

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

30-045-34980

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: Huerfano Unit #324 (30-045-34980)	Facility Type: Gas Well (Dakota)

Surface Owner: Federal	Mineral Owner:	Lease No.:
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LOCATION OF RELEASE

Unit Letter H	Section 16	Township 25N	Range 9W	Feet from the 1945	North/South Line FNL	Feet from the 665	East/West Line FEL	County San Juan
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Latitude: 36.40304 Longitude: -107.78788

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 40 bbls	Volume Recovered: 34 bbls
Source of Release: Leaking Frac Tank	Date and Hour of Occurrence: November 10, 2011	Date and Hour of Discovery: November 10, 2011
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell	
By Whom? James McDaniel	Date and Hour: November 10, 2011 - By phone	
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.*


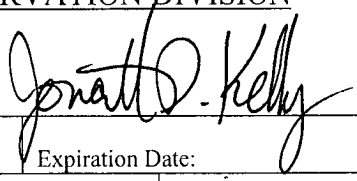
Describe Cause of Problem and Remedial Action Taken.*

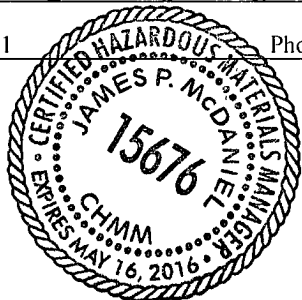
On November 10, 2011, a frac tank used to store produced water on-site after fracing activities leaked approximately 40 bbls of water inside the bermed area around the tank. Dawn Trucking removed approximately 34 bbls of water and soil from the bermed area, and hauled it to IEI for disposal. The damaged frac tank was removed and replaced by another tank. The site was then ranked pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a zero, setting the closure standard to 5,000 ppm TPH, 10 ppm benzene and 50 ppm total BTEX. No water was spilled outside of the bermed area on the production pad.

Describe Area Affected and Cleanup Action Taken.*

On November 10, 2011, a composite sample was collected from the spill area inside the berm after the standing produced water had been removed. This sample was analyzed for DRO/GRO via USEPA Method 8015, and for BTEX via USEPA Method 8021. The sample returned results of 19.8 ppm TPH, and 0.089 ppm total BTEX. The sample returned results below the detection limits for benzene. All applicable analytical results and bills of lading 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, CHMM #15676		Approved by District Supervisor: 	
Title: EH&S Supervisor		Approval Date: 1/12/2012 Expiration Date:	
E-mail Address: James.McDaniel@xtoenergy.com		Conditions of Approval:	
Date: 11/18/2011 Phone: 505-333-3701		Attached <input type="checkbox"/>	



nJK1201239660

RCVD NOV 22 '11

OIL CONS. DIV.

DIST. 3



12065 Lebanon Rd.
Mt Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859
Tax I.D 62-0814289
Est 1970

James McDaniel
XTO Energy - San Juan Division
382 Road 3100
Aztec, NM 87410

Report Summary

Thursday November 17, 2011

Report Number: L546361

Samples Received: 11/11/11

Client Project:

Description: HUERFANO # 324

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Daphne Richards , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915, PA - 68-02979

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences

Note The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

This report may not be reproduced, except in full, without written approval from ESC Lab Sciences. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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Est. 1970

REPORT OF ANALYSIS

November 17, 2011

James McDaniel
XTO Energy - San Juan Division
382 Road 3100
Aztec, NM 87410

Date Received : November 11, 2011
Description : HUERFANO # 324
Sample ID : CONFIRMATION
Collected By : Joshua Kirchner
Collection Date : 11/10/11 14:00

ESC Sample # : L546361-01

Site ID :

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	80.		%	2540G	11/17/11	1
Benzene	BDL	0.0031	mg/kg	8021/8015	11/14/11	5
Toluene	BDL	0.031	mg/kg	8021/8015	11/14/11	5
Ethylbenzene	0.013	0.0031	mg/kg	8021/8015	11/14/11	5
Total Xylene	0.072	0.0094	mg/kg	8021/8015	11/14/11	5
TPH (GC/FID) Low Fraction	7.8	0.63	mg/kg	GRO	11/14/11	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	94.9		% Rec.	8021/8015	11/14/11	5
a,a,a-Trifluorotoluene(PID)	104.		% Rec.	8021/8015	11/14/11	5
TPH (GC/FID) High Fraction	12.	5.0	mg/kg	3546/DRO	11/15/11	1
Surrogate recovery(%)						
o-Terphenyl	53.1		% Rec.	3546/DRO	11/15/11	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

This report shall not be reproduced, except in full, without the written approval from ESC.

The reported analytical results relate only to the sample submitted

Reported: 11/17/11 12:58 Printed: 11/17/11 12:58

Summary of Remarks For Samples Printed
11/17/11 at 12:58:47

TSR Signing Reports: 288
R5 - Desired TAT

drywt

Sample: L546361-01 Account: XTORNM Received: 11/11/11 09:00 Due Date: 11/18/11 00:00 RPT Date: 11/17/11 12:58



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Quality Assurance Report
Level II

L546361

November 17, 2011

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .0005	mg/kg			WG565452	11/14/11 13:29
Ethylbenzene	< .0005	mg/kg			WG565452	11/14/11 13:29
Toluene	< .005	mg/kg			WG565452	11/14/11 13:29
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG565452	11/14/11 13:29
Total Xylene	< .0015	mg/kg			WG565452	11/14/11 13:29
a,a,a-Trifluorotoluene (FID)		% Rec.	95.91	59-128	WG565452	11/14/11 13:29
a,a,a-Trifluorotoluene (PID)		% Rec.	101.5	54-144	WG565452	11/14/11 13:29
TPH (GC/FID) High Fraction	< 4	ppm			WG565319	11/14/11 11:48
o-Terphenyl		% Rec	63.35	50-150	WG565319	11/14/11 11:48
Total Solids	< 1	%			WG565854	11/17/11 10:07

Analyte	Units	Duplicate		RPD	Limit	Ref Samp	Batch
		Result	Duplicate				
Total Solids	%	67.0	67.4	1.06	5	L546746-01	WG565854

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
TPH (GC/FID) Low Fraction	mg/kg	5.5	6.24	113.	67-135	WG565452
a,a,a-Trifluorotoluene (FID)				106.9	59-128	WG565452
a,a,a-Trifluorotoluene (PID)				113.8	54-144	WG565452
Benzene	mg/kg	.05	0.0446	89.2	76-113	WG565452
Ethylbenzene	mg/kg	.05	0.0503	101	78-115	WG565452
Toluene	mg/kg	.05	0.0513	103	76-114	WG565452
Total Xylene	mg/kg	.15	0.146	97.5	81-118	WG565452
a,a,a-Trifluorotoluene (FID)				95.98	59-128	WG565452
a,a,a-Trifluorotoluene (PID)				101.1	54-144	WG565452
TPH (GC/FID) High Fraction	ppm	60	44.0	73.3	50-150	WG565319
o-Terphenyl				68.29	50-150	WG565319
Total Solids	%	50	50.0	99.9	85-155	WG565854

Analyte	Units	Laboratory Control Sample Duplicate		Limit	RPD	Limit	Batch
		Result	Ref %Rec				
TPH (GC/FID) Low Fraction	mg/kg	6.12	6.24	111	67-135	2.00	WG565452
a,a,a-Trifluorotoluene (FID)				106.4	59-128		WG565452
a,a,a-Trifluorotoluene (PID)				112.9	54-144		WG565452
Benzene	mg/kg	0.0448	0.0446	90.0	76-113	0.370	WG565452
Ethylbenzene	mg/kg	0.0502	0.0503	100	78-115	0.240	WG565452
Toluene	mg/kg	0.0504	0.0513	101	76-114	1.93	WG565452
Total Xylene	mg/kg	0.146	0.146	97.0	81-118	0.240	WG565452
a,a,a-Trifluorotoluene (FID)				96.00	59-128		WG565452
a,a,a-Trifluorotoluene (PID)				101.4	54-144		WG565452
TPH (GC/FID) High Fraction	ppm	39.8	44.0	66.0	50-150	9.80	WG565319
o-Terphenyl				60.48	50-150		WG565319

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers'



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Quality Assurance Report
Level II

L546361

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Est. 1970

November 17, 2011

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
Benzene	mg/kg	3.01	0.760	05	91.9	32-137	L545709-07	WG565452
Ethylbenzene	mg/kg	2.82	0.210	05	106	10-150	L545709-07	WG565452
Toluene	mg/kg	4.93	2.70	05	91.2	20-142	L545709-07	WG565452
Total Xylene	mg/kg	8.55	1.00	15	103.	16-141	L545709-07	WG565452
a,a,a-Trifluorotoluene (FID)					95.39	59-128		WG565452
a,a,a-Trifluorotoluene (PID)					100.3	54-144		WG565452
TPH (GC/FID) Low Fraction	mg/kg	333.	20.0	5.5	116.*	55-109	L545709-07	WG565452
a,a,a-Trifluorotoluene (FID)					101.8	59-128		WG565452
a,a,a-Trifluorotoluene (PID)					107.8	54-144		WG565452

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Benzene	mg/kg	3.20	3.01	99.8	32-137	6.18	39	L545709-07	WG565452
Ethylbenzene	mg/kg	2.99	2.82	114	10-150	5.87	44	L545709-07	WG565452
Toluene	mg/kg	5.25	4.93	104	20-142	6.28	42	L545709-07	WG565452
Total Xylene	mg/kg	9.09	8.55	110.	16-141	6.10	46	L545709-07	WG565452
a,a,a-Trifluorotoluene (FID)				96.80	59-128				WG565452
a,a,a-Trifluorotoluene (PID)				101.1	54-144				WG565452
TPH (GC/FID) Low Fraction	mg/kg	329.	333.	115.*	55-109	1.18	20	L545709-07	WG565452
a,a,a-Trifluorotoluene (FID)				101.5	59-128				WG565452
a,a,a-Trifluorotoluene (PID)				111.9	54-144				WG565452

Batch number / Run number / Sample number cross reference

WG565452 R1930972 L546361-01
WG565319 R1932074 L546361-01
WG565854: R1935158: L546361-01

* * Calculations are performed prior to rounding of reported values
* Performance of this Analyte is outside of established criteria
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers'



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November 17, 2011

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

18214



Industrial Ecosystems Inc.
 #49 C.E. 3150 • Aztec, NM 87410
 Phone: 505-632-1782 • Fax: 505-632-1876

Unit: 257

Employee: Dawn

Contact: Adrian Soto

Date: 11-10-11

PO#: _____

Billing Code: _____

Customer: XTO

Location Name: Huerfano #324

☐ Jicarilla Apache Land ☐ Southern Ute Land

LABOR		HRS/UNITS	RATE		TOTAL	
Equipment Operator	41000.1	Hours/Day	\$	Per hour/day	\$	
General Laborer	41000.1	Hours	\$	Per hour	\$	
Project Manager	41000.1	Hours	\$	Per hour	\$	
Per Diem	41000.1	Hours	\$	Per day/man	\$	
Travel Time	41000.1	Hours	\$	Per hour	\$	
EQUIPMENT						
4wd Pickup	42000.1	Miles	\$	Per mile	\$	
12yd Dump Truck	42000.1	Hours	\$	Per hour	\$	
18yd Side Dump	42000.1	Hours	\$	Per hour	\$	
Backhoe with Operator	42000.1	Hours	\$	Per hour	\$	
Loader with Operator	42000.1	Hours	\$	Per hour	\$	
Excavator with Operator	42000.1	Hours	\$	Per hour	\$	
One Ton Truck	42000.1	Hours/Day	\$	Per hour/day	\$	
Portable Pressure Wash	42000.1	Hours/Day	\$	Per hour/day	\$	
Portable Pres. Wash Unit	42000.1	Hours	\$	Per hour	\$	
80 Barrel Vacuum Truck	42000.1	Hours	\$	Per hour	\$	
King Vac Truck with Crew	42000.1	Hours	\$	Per hour	\$	
Skid Steer	42000.1	Hours	\$	Per hour	\$	
Mileage	42000.1	Miles	\$	Per mile	\$	
SCBA (Breathing Apparatus)	42000.1	Day	\$	Per day	\$	
SCBA Refill	42000.1	Each	\$	Per Refill	\$	
LEL, O ₂ , H ₂ S Monitoring	42000.1	Day	\$	Per day	\$	
SERVICES						
Chloride Test	45000.2	Each	\$ 15.00	Per test	\$ 15.00	
Mobile Dewatering	42100.1	Hours/Day	\$	Per hour/day	\$	
Mob/Demob	42100.1	Hours	\$	Per hour	\$	
Monthly Maintenance	45000.1	Month	\$	Per month	\$	
SUPPLIES						
Soap/Degreaser		Gallons	\$	Per gallon	\$	
Misc. Description:		Each	\$	Per:	\$	
Virgin Soil/Gravel	45500.2	Cubic yard	\$	Per yard	\$	
DISPOSAL & MISC.						
Disposal Fee (solids)	44000.2	Cubic yard	\$	Per yard	\$	
Disposal Fee (liquids)	44100.2	Per barrel	\$ 20.00	Per barrel	\$ 680.00	
Facility Use Fee	42000.2	Each	\$	Each	\$	

Comments: SW-1 - H2O

Employee Signature: _____

Customer Signature: _____

Sub Total: 695.00
 Tax: County
 Total: 100% = 69.50
\$ 625.50

FOR BILLING INQUIRIES PLEASE CALL (505) 632-1782

AMOUNTS ARE DUE NET 30 DAYS. PURCHASER AGREES TO PAY FINANCE CHARGES OF 1.5% PER MONTH (ANNUAL PERCENTAGE RATE OF 18%) OR A MINIMUM CHARGE OF 50 PER MONTH. ACCOUNTS THAT HAVE BEEN PLACED FOR COLLECTION WILL BE CHARGED A \$100.00 COLLECTION FEE IN ADDITION TO REASONABLE ATTORNEY FEES AND COLLECTION CHARGES.