

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

30-045-27998

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: Gardner C #6 (30-045-27998)	Facility Type: Gas Well (Fruitland Coal)

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

Unit Letter B	Section 25	Township 32N	Range 9W	Feet from the 1120	North/South Line FNL	Feet from the 1820	East/West Line FEL	County San Juan
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Latitude: 36.9596 Longitude: -107.7285

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 60 bbls	Volume Recovered: 40 bbls
Source of Release: Frozen 'T' on waterline	Date and Hour of Occurrence: January 3, 2011	Date and Hour of Discovery: January 3, 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: January 4 th , 2011 - 16:35	
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.*

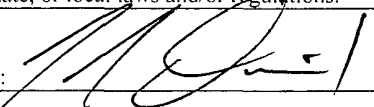
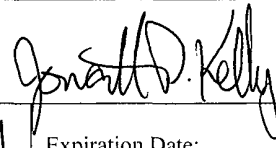
On January 3, 2011, a XTO lease operator noticed a produced water spill at the Gardner C #6 well site. A 3" 'T' on the produced water tank froze, releasing 60 bbls of produced water inside the bermed area. The entire spill was contained inside the tanks bermed area, and approximately 40 bbls were recovered on January 4th using a water truck. The damaged 'T' was replaced and the leak was stopped. The site was then ranked a 10 pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases due to a wash at approximately 880 feet to the south of this well site. The depth to groundwater at this site is greater than 100 feet. This set the closure standard to 1,000 ppm TPH, 10 ppm benzene and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken.*

On January 4th, 2011, a composite sample was collected from inside the bermed area. This sample was analyzed for TPH, BTEX and for total chlorides. The sample returned results of non-detect for benzene and total BTEX, and 32 ppm TPH. The sample also returned results of 710 ppm total chlorides. The sample returned results below the regulatory standard for all constituents analyzed. The elevated chloride levels inside the bermed area are not seen to be an immediate threat to human health and the environment due to the depth to groundwater of over 100 feet and the distance to the nearest surface water being nearly 900 feet. No further action will be taken regarding this release. 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.

OIL CONSERVATION DIVISION

Signature: 	Approved by District Supervisor: 	
Printed Name: James McDaniel	Approval Date: 12/06/2011	Expiration Date:
Title: EH&S Specialist	Conditions of Approval:	
E-mail Address: James_McDaniel@xtoenergy.com	Attached <input type="checkbox"/>	
Date: 1/10/2011	Phone: 505-333-3701	

WJA134033410



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Est. 1970

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

Report Summary

Friday January 07, 2011

Report Number: L496097

Samples Received: 01/05/11

Client Project:

Description: Gardner C #6

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

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.

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Where applicable, sampling conducted by ESC is performed per guidance provided
in laboratory standard operating procedures: 060302, 060303, and 060304



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REPORT OF ANALYSIS

January 07, 2011

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

Date Received : January 05, 2011
Description : Gardner C #6
Sample ID : SOIL COMPOSITE
Collected By : James McDaniel
Collection Date : 01/04/11 13:30

ESC Sample # : L496097-01

Site ID : GARDNER C 6

Project # .

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	710	13.	mg/kg	9056	01/06/11	1
Total Solids	74.5		%	2540G	01/06/11	1
Benzene	BDL	0.0034	mg/kg	8021/8015	01/05/11	5
Toluene	BDL	0.034	mg/kg	8021/8015	01/05/11	5
Ethylbenzene	BDL	0.0034	mg/kg	8021/8015	01/05/11	5
Total Xylene	BDL	0.010	mg/kg	8021/8015	01/05/11	5
TPH (GC/FID) Low Fraction	BDL	0.67	mg/kg	GRO	01/05/11	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	99.3		% Rec.	8021/8015	01/05/11	5
a,a,a-Trifluorotoluene (PID)	103.		% Rec.	8021/8015	01/05/11	5
TPH (GC/FID) High Fraction	32.	5.4	mg/kg	3546/DRO	01/06/11	1
Surrogate recovery(%)						
o-Terphenyl	53.2		% Rec.	3546/DRO	01/06/11	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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The reported analytical results relate only to the sample submitted

Reported: 01/07/11 10:00 Printed: 01/07/11 10.13



YOUR LAB OF CHOICE

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James McDaniel
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Aztec, NM 87410

Quality Assurance Report
Level II

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January 07, 2011

Analyte	Result	Laboratory Blank Units	% Rec	Limit	Batch	Date Analyzed
Benzene	< 0005	mg/kg			WG516033	01/05/11 15:01
Ethylbenzene	< 0005	mg/kg			WG516033	01/05/11 15:01
Toluene	< 005	mg/kg			WG516033	01/05/11 15:01
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG516033	01/05/11 15:01
Total Xylene	< .0015	mg/kg			WG516033	01/05/11 15:01
a,a,a-Trifluorotoluene (PID)		% Rec	99.64	59-128	WG516033	01/05/11 15:01
a,a,a-Trifluorotoluene (PID)		% Rec	104.1	54-144	WG516033	01/05/11 15:01
Total Solids	< .1	%			WG516052	01/06/11 10:41
TPH (GC/FID) High Fraction	< 4	ppm			WG516133	01/06/11 10:52
o-Terphenyl		% Rec	87.46	50-150	WG516133	01/06/11 10:52
Chloride	< 10	mg/kg			WG516071	01/06/11 09:25

Analyte	Units	Result	Duplicate Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	80.0	80.3	0.160	5	L496144-02	WG516052
Chloride	mg/kg	0	0	0	20	L496122-01	WG516071
Chloride	mg/kg	49.0	46.0	6.52	20	L496124-06	WG516071

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Benzene	mg/kg	.05	0.0506	101	76-113	WG516033
Ethylbenzene	mg/kg	.05	0.0538	108	78-115	WG516033
Toluene	mg/kg	.05	0.0513	103	76-114	WG516033
Total Xylene	mg/kg	.15	0.157	105	81-118	WG516033
a,a,a-Trifluorotoluene (PID)			103.9	54-144	WG516033	
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.94	108	67-135	WG516033
a,a,a-Trifluorotoluene (PID)			104.2	59-128	WG516033	
Total Solids	%	50	50.0	100	85-115	WG516052
TPH (GC/FID) High Fraction	ppm	60	51.9	86.5	50-150	WG516133
o-Terphenyl				81.72	50-150	WG516133
Chloride	mg/kg	200	191	95.5	85-115	WG516071

Analyte	Units	Result	Ref	% Rec	Limit	RPD	Limit	Batch
Benzene	mg/kg	0.0502	0.0506	100	76-113	0.760	20	WG516033
Ethylbenzene	mg/kg	0.0523	0.0538	105	78-115	2.80	20	WG516033
Toluene	mg/kg	0.0505	0.0513	101	76-114	1.55	20	WG516033
Total Xylene	mg/kg	0.153	0.157	102	81-118	3.03	20	WG516033
a,a,a-Trifluorotoluene (PID)			103.9	54-144	WG516033			
TPH (GC/FID) Low Fraction	mg/kg	5.95	5.94	108	67-135	0.230	20	WG516033
a,a,a-Trifluorotoluene (PID)			104.1	59-128	WG516033			

* 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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Analyte	Units	Laboratory Control Sample Duplicate.			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
TPH (GC/FID) High Fraction o-Terphenyl	ppm	49.0	51.9	82.0 78.11	50-150 50-150	5.77	25	WG516133 WG516133
Chloride	mg/kg	191.	191.	96.0	85-115	0	20	WG516071

Analyte	Units	Matrix Spike				Limit	Ref Samp	Batch
		MS Res	Ref Res	TV	% Rec			
Benzene	mg/kg	0.233	0	05	93.3	32-137	L495990-13	WG516033
Ethylbenzene	mg/kg	0.244	0	05	97.4	10-150	L495990-13	WG516033
Toluene	mg/kg	0.223	0	05	89.3	20-142	L495990-13	WG516033
Total Xylene	mg/kg	0.718	0	.15	95.8	16-141	L495990-13	WG516033
a,a,a-Trifluorotoluene (PID)					105.4	54-144		WG516033
TPH (GC/FID) Low Fraction	mg/kg	25.4	0	5.5	92.5	55-109	L495990-13	WG516033
a,a,a-Trifluorotoluene (FID)					102.9	59-128		WG516033
TPH (GC/FID) High Fraction o-Terphenyl	ppm	54.0	0	60	89.9 76.94	50-150 50-150	L496290-04	WG516133 WG516133
Chloride	mg/kg	556.	45.0	500	102.	80-120	L496124-01	WG516071

Analyte	Units	Matrix Spike Duplicate			Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec					
Benzene	mg/kg	0.247	0.233	98.7	32-137	5.61	39	L495990-13	WG516033
Ethylbenzene	mg/kg	0.253	0.244	101	10-150	3.70	44	L495990-13	WG516033
Toluene	mg/kg	0.246	0.223	98.4	20-142	9.67	42	L495990-13	WG516033
Total Xylene	mg/kg	0.751	0.718	100.	16-141	4.47	46	L495990-13	WG516033
a,a,a-Trifluorotoluene (PID)				99.69	54-144				WG516033
TPH (GC/FID) Low Fraction	mg/kg	23.5	25.4	85.4	55-109	8.01	20	L495990-13	WG516033
a,a,a-Trifluorotoluene (FID)				102.1	59-128				WG516033
TPH (GC/FID) High Fraction o-Terphenyl	ppm	50.5	54.0	84.2 77.63	50-150 50-150	6.59	25	L496290-04	WG516133 WG516133
Chloride	mg/kg	555	556.	102	80-120	0.180	20	L496124-01	WG516071

Batch number / Run number / Sample number cross reference

WG516033: R1527049: L496097-01
WG516052: R1527930: L496097-01
WG516133: R1528210: L496097-01
WG516071: R1528729: L496097-01

* * 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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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.

