

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

30-045-30348

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: WF Federal 29 #4 (30-045-30348)	Facility Type: Gas Well (Twin Mounds Pictured Cliffs)

Surface Owner: Federal	Mineral Owner:	Lease No.: NMNM-97843
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LOCATION OF RELEASE

Unit Letter D	Section 29	Township 30N	Range 14W	Feet from the 775	North/South Line FNL	Feet from the 735	East/West Line FWL	County San Juan
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Latitude: 36.79027 Longitude: -108.33909

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 5 bbls	Volume Recovered: ~5 bbls
Source of Release: Bull plug came out of a pipe after a freeze	Date and Hour of Occurrence: unknown	Date and Hour of Discovery: 12/13/2011 8:33 AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? RCVD DEC 23 '11	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. OIL CONS. DIV.	
If a Watercourse was Impacted, Describe Fully *		

Describe Cause of Problem and Remedial Action Taken.*

A ball valve on a water line failed and leaked approximately 5 bbls of produced water onto the well pad. The line was shut in, and the leak was repaired. The unnecessary riser will be removed from the main water line. The site was ranked according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a zero due to a distance to surface water of over 1,000 feet. This set the closure standard to 5,000 ppm TPH, 10 ppm benzene and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken.*

On 12/13/2011, Triple S Trucking was on-site to recover standing water and soil from the location and haul it to IEI for disposal. Approximately 5 bbls of water and soil was recovered. On 12/14/2011, XTO's Sr. EH&S Specialist was on-site to collect a spill composite sample for DRO/GRO via USEPA Method 8015, for BTEX via USEPA Method 8021, and for chlorides. A sample was also collected up gradient of the spill area off of the well pad as a background. The background sample was analyzed for chlorides only. The spill composite sample returned results below detection limits for DRO/GRO, benzene and BTEX. The spill composite sample returned chloride results of 1,200 ppm, while the background returned chloride results of 32 ppm. Currently, the NMOCD does not cite a chloride standard. Due to the small amount of produced water spilled, and the depth of groundwater of over 100 feet, XTO does not believe that the chloride level poses a threat to human health of the environment. No further action will be taken regarding this incident. 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.

Printed Name James McDaniel, CHMM #15676

Title: EH&S Supervisor

E-mail Address: James_McDaniel@xtoenergy.com

Date: 12/21/2011

Phone: 505-333-3701

OIL CONSERVATION DIVISION

Approved by District Supervisor:

Approval Date: 1/10/2012

Expiration Date:

Conditions of Approval:

Attached ☐

NSK1201042132



12065 Lebanon Rd
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(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 County Road 3100
Aztec, NM 87410

Report Summary

Wednesday December 21, 2011

Report Number: L551973

Samples Received: 12/16/11

Client Project:

Description: WF Federal 29-4

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:

T. Alan Harvill , 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.

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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

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

December 21, 2011

Date Received : December 16, 2011
Description : WF Federal 29-4
Sample ID : BACKGROUND
Collected By : Kurt
Collection Date : 12/14/11 11:20

ESC Sample # : L551973-01

Site ID : WF FEDERAL 29-4

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	32.	12.	mg/kg	9056	12/21/11	1
Total Solids	82.		%	2540G	12/20/11	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: 12/21/11 16:42 Printed: 12/21/11 16:43



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REPORT OF ANALYSIS

December 21, 2011

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

Date Received : December 16, 2011
Description : WF Federal 29-4
Sample ID : PRODUCED WATER SPILL 0-6IN
Collected By : Kurt
Collection Date : 12/14/11 11:30

ESC Sample # : L551973-02

Site ID : WF FEDERAL 29-4

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	1200	13.	mg/kg	9056	12/21/11	1
Total Solids	76.		%	2540G	12/20/11	1
Benzene	BDL	0.0033	mg/kg	8021/8015	12/16/11	5
Toluene	BDL	0.033	mg/kg	8021/8015	12/16/11	5
Ethylbenzene	BDL	0.0033	mg/kg	8021/8015	12/16/11	5
Total Xylene	BDL	0.0099	mg/kg	8021/8015	12/16/11	5
TPH (GC/FID) Low Fraction	BDL	0.66	mg/kg	GRO	12/16/11	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	94.7		% Rec.	8021/8015	12/16/11	5
a,a,a-Trifluorotoluene(PID)	94.6		% Rec.	8021/8015	12/16/11	5
TPH (GC/FID) High Fraction	BDL	5.3	mg/kg	3546/DRO	12/19/11	1
Surrogate recovery(%)						
o-Terphenyl	57.4		% Rec.	3546/DRO	12/19/11	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: 12/21/11 16:42 Printed: 12/21/11 16:43

Summary of Remarks For Samples Printed
12/21/11 at 16:43.10

TSR Signing Reports. 288
R4 - Rush: Three Day

drywt

Sample: L551973-01 Account: XTORNM Received: 12/16/11 09:00 Due Date: 12/21/11 00:00 RPT Date: 12/21/11 16:42

Sample: L551973-02 Account: XTORNM Received: 12/16/11 09:00 Due Date: 12/21/11 00:00 RPT Date: 12/21/11 16:42



YOUR LAB OF CHOICE

XTO Energy - San Juan Division
James McDaniel
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L551973

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December 21, 2011

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .0005	mg/kg			WG570389	12/16/11 15:26
Ethylbenzene	< .0005	mg/kg			WG570389	12/16/11 15:26
Toluene	< .0005	mg/kg			WG570389	12/16/11 15:26
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG570389	12/16/11 15:26
Total Xylene	< .0015	mg/kg			WG570389	12/16/11 15:26
a,a,a-Trifluorotoluene(FID)		% Rec	95.60	59-128	WG570389	12/16/11 15:26
a,a,a-Trifluorotoluene(FID)		% Rec	94.95	54-144	WG570389	12/16/11 15:26
TPH (GC/FID) High Fraction	< 4	ppm			WG570366	12/19/11 09:17
o-Terphenyl		% Rec	75.85	50-150	WG570366	12/19/11 09:17
Total Solids	< .1	%			WG570722	12/20/11 11:03
Chloride	< 10	mg/kg			WG570535	12/20/11 20:33

Analyte	Units	Duplicate		RPD	Limit	Ref Samp	Batch
		Result	Duplicate				
Total Solids	%	75.0	75.7	0.300	5	L551973-02	WG570722

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/kg	05	0.0463	92.6	76-113	WG570389
Ethylbenzene	mg/kg	05	0.0468	93.5	78-115	WG570389
Toluene	mg/kg	05	0.0501	100	76-114	WG570389
Total Xylene	mg/kg	15	0.136	90.5	81-118	WG570389
a,a,a-Trifluorotoluene(FID)				95.53	54-144	WG570389
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.88	107	67-135	WG570389
a,a,a-Trifluorotoluene(FID)				100.7	59-128	WG570389
TPH (GC/FID) High Fraction	ppm	60	45.6	76.0	50-150	WG570366
o-Terphenyl				77.22	50-150	WG570366
Total Solids	%	50	49.9	99.9	85-155	WG570722
Chloride	mg/kg	200	201	101	85-115	WG570535

Analyte	Units	Laboratory Control Sample Duplicate		Limit	RPD	Limit	Batch
		Result	Ref %Rec				
Benzene	mg/kg	0.0468	0.0463 94.0	76-113	1.09	20	WG570389
Ethylbenzene	mg/kg	0.0473	0.0468 95.0	78-115	1.24	20	WG570389
Toluene	mg/kg	0.0508	0.0501 102	76-114	1.33	20	WG570389
Total Xylene	mg/kg	0.136	0.136 91.0	81-118	0.220	20	WG570389
a,a,a-Trifluorotoluene(FID)				95.35			WG570389
TPH (GC/FID) Low Fraction	mg/kg	5.92	5.88 108	67-135	0.710	20	WG570389
a,a,a-Trifluorotoluene(FID)				100.7			WG570389
TPH (GC/FID) High Fraction	ppm	45.3	45.6 76.0	50-150	0.583	25	WG570366
o-Terphenyl				74.55			WG570366

* 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

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Analyte	Laboratory Control Sample Duplicate				Limit	RPD	Limit	Batch
	Units	Result	Ref	%Rec				
Chloride	mg/kg	201	201	100	85-115	0	20	WG570535

Analyte	Units	Matrix Spike				Limit	Ref Samp	Batch
		MS Res	Ref Res	TV	% Rec			
Benzene	mg/kg	48.4	2070	05	91.4	32-137	L550791-18	WG570389
Ethylbenzene	mg/kg	134	93 0	05	82 2	10-150	L550791-18	WG570389
Toluene	mg/kg	64.6	15 0	05	99.3	20-142	L550791-18	WG570389
Total Xylene	mg/kg	445	320	15	83 6	16-141	L550791-18	WG570389
a,a,a-Trifluorotoluene (PID)					96.74	54-144		WG570389
TPH (GC/FID) Low Fraction	mg/kg	7520	1700	5 5	106	55-109	L550791-18	WG570389
a,a,a-Trifluorotoluene (FID)					102.9	59-128		WG570389
TPH (GC/FID) High Fraction	ppm	47.1	0	60	78 6	50-150	L551924-03	WG570366
o-Terphenyl					76.39	50-150		WG570366
Chloride	mg/kg	547	34 0	500	103	80-120	L551979-01	WG570535

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Benzene	mg/kg	49.4	48 4	93.3	32-137	1.93	39	L550791-18	WG570389
Ethylbenzene	mg/kg	130	134	73 7	10-150	3 22	44	L550791-18	WG570389
Toluene	mg/kg	63 9	64.6	97 8	20-142	1 13	42	L550791-18	WG570389
Total Xylene	mg/kg	424	445	69 6	16-141	4 82	46	L550791-18	WG570389
a,a,a-Trifluorotoluene (PID)				96 11	54-144				WG570389
TPH (GC/FID) Low Fraction	mg/kg	7580	7520	107	55-109	0 800	20	L550791-18	WG570389
a,a,a-Trifluorotoluene (FID)				102 2	59-128				WG570389
TPH (GC/FID) High Fraction	ppm	43 9	47.1	73 2	50-150	7 12	20	L551924-03	WG570366
o-Terphenyl				75.15	50-150				WG570366
Chloride	mg/kg	521	547	97 4	80-120	4 87	20	L551979-01	WG570535

Batch number / Run number / Sample number cross reference

WG570389: R1969496 L551973-02
WG570366: R1971392 L551973-02
WG570722: R1973226 L551973-01 02
WG570535: R1975352 L551973-01 02

* * 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.

XTO Energy - San Juan Division 382 County Road 3100 Aztec, NM 87410				Billing information XTO Energy Inc Accounts Payable 382 CR 3100 Aztec, NM 87410				Analysis/Container/Preservative <div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Metals V8260 2oz Clr-No Pres</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TDS 250ml HDPE-No Pres</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Wet Chem 4oz Clr-No Pres</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CHLORIDE</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">8015</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">8021</div> </div>				Chain of Custody Page ____ of ____ <div style="text-align: center;"> ESC L.A.B S.C.I.E.N.C.E.S 12065 Lebanon Road Mt. Juliet, TN 37122 Phone: (800) 767-5859 Phone: (615) 758-5858 Fax: (615) 758-5859 C224 </div>			
Report to: James McDaniel				Email: James_McDaniel@xtoenergy.											
Project Description: WF FEDERAL 29#4				City/State Collected											
Phone: (505) 333-3100 FAX:		Client Project #		Lab Project # XTORNM-052610S		P.O.#									
Collected by (print) KURT		Site/Facility ID# WF FEDERAL 29#4		Rush? (Lab MUST Be Notified)		Date Results Needed		No. of Cntrs							
Collected by (signature): Immediately Packed on Ice N ___ Y X		<input checked="" type="checkbox"/> Same Day 200% <input type="checkbox"/> Next Day 100% <input type="checkbox"/> Two Day 50% <input type="checkbox"/> Three Day 25%		Email? ___ No <input checked="" type="checkbox"/> Yes FAX? ___ No ___ Yes											
Sample ID		Comp/Grab	Matrix*	Depth	Date	Time									
BACKGROUND		Grab	SS	0-6"	12-14	11:20	1	2	X						
PRODUCED WATER SPILL		Grab Comp	SS	0-6"	12-14	11:30			X	X	X				

*Matrix **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other _____

Remarks: _____

pH _____ Temp _____
Flow _____ Other _____

4341 9819 2336

Relinquished by (Signature):	Date: 12:15	Time: 9:00	Received by (Signature): _____	Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier	Condition: _____ (lab use only)
Relinquished by (Signature): _____	Date: _____	Time: _____	Received by (Signature):	Temp: 5.40°C	Bottles Received: 2
Relinquished by (Signature): _____	Date: _____	Time: _____	Received for lab by (Signature): _____	COC Seal Intact: Y	NCF: X
				Date: 12/16/11	Time: 09:00