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 Fc, NM 87505

# State of New Mexico Energy Minerals and Natural Resources

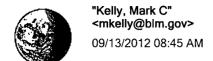
Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Revised October 10, 2003 abmit 2 Copies to appropriate

Form C-141

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: W F Federal 3 #2 (API 30-045-30168) Facility Type: Gas Well Surface Owner: Federal Mineral Owner: Lease No.: NMSF -079968 LOCATION OF RELEASE Unit Letter Section Township Feet from the North/South Line East/West Line County Range Feet from the 29N 14W 2495 1290 **FWL** San Juan FSL. RCVD SEP 19'12 Latitude: 36.75529 Longitude: -108.30130 OIL CONS. DIV. **NATURE OF RELEASE** DIST. 3 Type of Release: Produced Water Volume of Release: 120 bbls Volume Recovered: 60 bbls Source of Release: Water Line Date and Hour of Occurrence: Date and Hour of Discovery: 8/23/2012 8/23/2012 - 11:45 am If YES, To Whom? Was Immediate Notice Given? Brandon Powell By Whom? Date and Hour: Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. ☐ Yes ⊠ No If a Watercourse was Impacted, Describe Fully.\* Describe Cause of Problem and Remedial Action Taken.\* On August 23, 2012, a lease operator discovered a line leak at the W F Federal 3 #2 well site. The main water line going to the Salty Dog SWD #3R backpressured to the well piping, and caused a rupture near the separator inside the bermed area. The water filled the bermed area, and then overflowed the berm, running for approximately 150' from the well site in a small drainage feature. The water was shut off, and approximately 60 bbls of produced water was recovered from the bermed area. The site was then ranked pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and releases. The site was ranked a 20 due to an estimated depth to groundwater of 50-100 feet, and a wash at approximately 800 feet from the spill area. This set the closure standards to 100 ppm TPH, 10 ppm benzene and 50 ppm total BTEX. The ruptured water line was repaired and put back into service. Describe Area Affected and Cleanup Action Taken.\* On August 23, 2012, XTO EH&S personnel were on-site to assess the spill and collected samples from the spill area. Two (2) samples were collected from the spill area. One (1) composite sample was collected from the spill area inside the location's berm, and one (1) composite sample was collected from the drainage area where the water flowed off-site. Both samples were analyzed for DRO/GRO via USEPA Method 8015, for BTEX via USEPA Method 8021, and for chlorides. A background sample was also collected for chloride analysis. The spill composite samples returned results below the regulatory standards for all constituents analyzed The composite sample collected from the drainage area returned chloride results of 3,900 ppm, but due to the small volume of water that left the bermed area, the levels do not pose a threat to human health or the environment. Approval from the BLM was obtained to close the spill at these levels. Please find attached the Analytical Results and the BLM Email 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: ed by District Supervisor: Printed Name: James McDaniel, CHMM #15676 Title: EH&S Supervisor Expiration Date: 6, 2016 E-mail Address: James McDaniel@xtoenergy.com onditions of Approval: Attached Date: 9/14/2012 Phone: 505-333-3701

NJK 1229738492



To "james\_mcdaniel@xtoenergy.com" 
<james\_mcdaniel@xtoenergy.com>
cc

bcc

Subject FW: W F Federal 3 #2

James.

You can begin the final spill closure paperwork per your e-mail.

Thanks, Mark

From: Landon, Sherrie C

Sent: Thursday, September 13, 2012 7:53 AM

To: Kelly, Mark C

Subject: RE: W F Federal 3 #2

I have reviewed the lab results and your stated numbers and have determined that you can begin final spill closure. If you have any questions contact me, thanks sherrie

From: Kelly, Mark C

Sent: Tuesday, September 11, 2012 6:31 AM

To: Landon, Sherrie C

Subject: FW: W F Federal 3 #2

From: James McDaniel@xtoenergy.com [mailto:James McDaniel@xtoenergy.com]

Sent: Monday, September 10, 2012 11:11 AM

To: Kelly, Mark C

Cc: brandon.powell@state.nm.us; Kurt Hoekstra@xtoenergy.com

Subject: W F Federal 3 #2

## Mark,

The results for the W F Federal 3 #2 are in. Both spill composites samples were ND for BTEX and DRO/GRO The sample inside the berm was 47 ppm chlorides, and the sample off the well pad was 3,900 ppm chlorides. The site was ranked a 20 due to an estimated depth to GW of 50-100 feet, and a distance to a dry arroyo of 800 feet. Due to the small volume of water that left the bermed area, I do not believe that these chloride levels pose a threat to human health and the environment. I would like to recommend closure of this spill at this time. Please feel free to contact me with any questions regarding this release. I will await a response before beginning the final spill closure paperwork. Thanks much, and the lab results are attached for your reference.

The test from my original email reporting the release on August 24th is attached for your reference. Thanks much!

Mark,

Please consider this email the required notification for a release at the W F Federal 3 #2 well site (api # 30-045-30168) located in Unit L, Section 3, Township 29N, Range 14W, San Juan County, New Mexico. Approximately 120 bbls of produced water was released when the Salty Dog SWD #3 mainline backpressured into the wellsite and ruptured the waterline beneath the SEP. The water filled the bermed area, and spilled over and ran for approximately 150' from the well location. Approximately 60 bbls of water was recovered from the bermed area. A composite sample was collected inside the bermed area, and two additional composite samples were collected outside of the bermed area where the water left location. A sample was also collected for background. The site was ranked a 20 according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. This is due to a dry arroyo at approximately 800 feet to the south-east of the location, and an estimated depth to groundwater between 50 and 100 feet. A copy of the final report with closure activities will be sent to your office. Please don't hesitate to contact me with any questions regarding this incident.



James McDaniel, CHMM #15676
EH&S Supervisor
XTO Energy, Inc.
office # 505-333-3701
Cell # 505-787-0519
James\_Mcdanlet@xtoenergy.com



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

# Report Summary

Wednesday August 29, 2012

Report Number: L591910
Samples Received: 08/25/12
Client Project:

Description: WF Federal 3 #2

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 - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BI0041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, 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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REPORT OF ANALYSIS

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

ESC Sample # : L591910-01

Date Received : August 25, 2012 Description : WF Federal 3 #2

Site ID :

August 29,2012

BACKGROUND

Sample ID

Collected By

Project # :

Collected By : Kurt Collection Date : 08/23/12 14:50

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	52.	12.	mg/kg	9056	08/25/12	1
Total Solids	80.2	0.100	8	2540G	08/27/12	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: 08/29/12 17:15 Printed: 08/29/12 17:15



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ESC Sample # : L591910-02

REPORT OF ANALYSIS

August 29,2012

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

Date Received : August 25, 2012 Description : WF Federal 3 #2

Site ID :

Sample ID

INSIDE BERM

Project # :

Collected By : Kurt Collection Date : 08/23/12 15:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	47.	12.	mg/kg	9056	08/25/12	1
Total Solids	84.2	0.100	8	2540G	08/27/12	1
Benzene Toluene Ethylbenzene Total Xylene TPH (GC/FID) Low Fraction Surrogate Recovery-% a,a,a-Trifluorotoluene(FID)	BDL BDL BDL BDL BDL	0.0030 0.030 0.0030 0.0089 0.59	mg/kg mg/kg mg/kg mg/kg mg/kg	8021/8015 8021/8015 8021/8015 8021/8015 GRO 8021/8015	08/26/12 08/26/12 08/26/12 08/26/12 08/26/12	5 5 5 5 5 5
a,a,a-Trifluorotoluene(PID)  TPH (GC/FID) High Fraction	96.2 BDL	4.8	% Rec. mg/kg	8021/8015 3546/DRO	08/26/12 08/29/12	5 1
Surrogate recovery(%) o-Terphenyl	55.9		% Rec.	3546/DRO	08/29/12	1

Results listed are dry weight basis. BDL - Below Detection Limit Det. Limit - Practical Quantitation Limit(PQL)

Note:
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Reported: 08/29/12 17:15 Printed: 08/29/12 17:15



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REPORT OF ANALYSIS

August 29,2012

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

ESC Sample # : L591910-03

Date Received : August 25, 2012
Description : WF Federal 3 #2

Site ID :

Sample ID SPILL

Project # :

Collected By : Kurt Collection Date : 08/23/12 15:10

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dıl.
Chloride	3900	120	mg/kg	9056	08/25/12	10
Total Solids	85.6	0.100	8	2540G	08/27/12	1
Benzene Toluene Ethylbenzene Total Xylene TPH (GC/FID) Low Fraction Surrogate Recovery-% a,a,a-Trifluorotoluene(FID)	BDL BDL BDL BDL BDL	0.0029 0.029 0.0029 0.0088 0.58	mg/kg mg/kg mg/kg mg/kg % Rec.	8021/8015 8021/8015 8021/8015 8021/8015 GRO 8021/8015	08/26/12 08/26/12 08/26/12 08/26/12 08/26/12	5 5 5 5 5
a,a,a-Trifluorotoluene(PID)	96.3		% Rec.	8021/8015	08/26/12	5
TPH (GC/FID) High Fraction Surrogate recovery(%)	BDL	4.7	mg/kg	3546/DRO	08/29/12	1
o-Terphenyl	49.5		% Rec.	3546/DRO	08/29/12	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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: 08/29/12 17:15 Printed: 08/29/12 17:15

# Summary of Remarks For Samples Printed 08/29/12 at 17:15:18

TSR Signing Reports: 288 R4 - Rush: Three Day

Sample: L591910-01 Account: XTORNM Received: 08/25/12 09:00 Due Date: 08/30/12 00:00 RPT Date: 08/29/12 17:15 Sample: L591910-02 Account: XTORNM Received: 08/25/12 09:00 Due Date: 08/30/12 00:00 RPT Date: 08/29/12 17:15 Sample: L591910-03 Account: XTORNM Received: 08/25/12 09:00 Due Date: 08/30/12 00:00 RPT Date: 08/29/12 17:15



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

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### Quality Assurance Report Level II

L591910

August 29, 2012

			boratory B						
Analyte	Result	U	nits	% R∈	ec .	Limit		Batch	Date Analyz
Total Solids	< .1	8						WG609538	08/27/12 09
Benzene	< .0005	m	ıg/kg					WG609420	08/26/12 19
Ethylbenzene	< .0005	m	ig/kg					WG609420	08/26/12 19
Toluene	< .005		ıg/kg						08/26/12 19
TPH (GC/FID) Low Fraction	< .1		ig/kg						08/26/12 19
Total Xylene	< .0015		ıg/kg						08/26/12 19
a,a,a-Trifluorotoluene(FID) a,a,a-Trifluorotoluene(PID)			Rec.	93.		59-128			08/26/12 19
a, a, a-fiffidorocoldene (PID)		ъ	Rec.	97.	45	54-144		WG609420	08/26/12 19
Chloride	< 10	m	ıg/kg					WG609473	08/25/12 14
TPH (GC/FID) High Fraction	< 4	р	pm					WG609496	08/28/12 11
o-Terphenyl			Rec	62.	98	50-150		WG609496	08/28/12 11
			Duplicat						
Analyte	Units	Result	Dupli	cate	RPD	Limit		Ref Samp	Batch
Total Solids	8	66.0	65.2		0.688	5		L591922-	03 WG609
Chloride	mg/kg	46.0	47.0		1.72	20		L591448-	01 WG609
Chloride	mg/kg	43.0	47.0		9.35	20		L591448-	03 WG609
		Lahora	tory Contr	ol Sam	ınle				
Analyte	Units	Known			sult	% Rec		Limit	Batch
Total Solids	8	50		50.0	)	100.		85-115	WG609
TBU (00/ETD) T- E									
TPH (GC/FID) Low Fraction	mg/kg	5.5		6.16	1	112.		67-135	WG609
a,a,a-Trıfluorotoluene(FID) Benzene	mg/kg	.05		0.0500		101.8 100.		59-128 76-113	WG609
Ethylbenzene	mg/kg	.05		0 0500 0.0551		110		78-113	WG609 WG609
Toluene	mg/kg	.05		0.05		108.		76-114	WG609
Total Xylene	mg/kg	.15		0 16		107.		81-118	WG609
a,a,a-Trifluorotoluene(PID)	J. J					101.3		54-144	WG609
Chloride	mg/kg	200		202.		101.		80-120	WG 609
TPH (GC/FID) High Fraction	ppm	60		45.4		75.7		50-150	WG609
o-Terphenyl						61.28		50-150	WG 609
			Control Sa						
Analyte	Units E	Result	Ref	%Rec	·	Limit	RPD	Lim	ıt Batch
FPH (GC/FID) Low Fraction	mg/kg 5	5.92	6.16	108.		67-135	3.99	20	WG609
a,a,a-Trıfluorotoluene(FID)				100.		59-128			WG609
Benzene		0475	0.0500	95.0		76-113	5 06	20	WG609
Ethylbenzene		0.0529	0.0551	106.		78-115	3.98	20	WG609
Coluene		0.0569	0.0539	114.		76-114	5.48	20	WG609
Total Xylene	mg/kg (	0.157	0.161	105.		81-118	2.48	20	WG609
a,a,a-Trifluorotoluene(PID)  * Performance of this Analyte				100.	4	54-144			WG609



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

Aztec, NM 87410

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### Quality Assurance Report Level II

L591910

August 29, 2012

nnal+a	Units	Result	Ref	Sample Dupl %Rec	. 10000	Limit	RPD	Limit	Batch
Analyte	Units	Result	ReI	*Kec		LIMIC	KPD	LIMILC	Batti
Chloride	mg/kg	209	202.	104		80-120	3.41	20	WG6094
TPH (GC/FID) High Fraction o-Terphenyl	ppm	45.1	45.4	75.0 61 73		50-150 50-150	0.626	23	WG60949 WG60949
			Matrix S	pike					
Analyte	Units	MS Res	Ref Re	s TV	% Rec	Limit		Ref Samp	Batch
Benzene	ma/ka	0.203	0	05	81.2	32-137		L591881-09	WG6094:
Ethylbenzene	ma/ka	0.219	0	.05	87.7	10-150		L591881-09	WG6094
Toluene	mg/kg	0.212	0	.05	84 9	20-142		L591881-09	WG6094
Total Xylene	mg/kg	0.636	0	. 1.5	84.8	16-141		L591881-09	WG6094
a, a, a-Trifluorotoluene (PID)					103.9	54-144			WG6094
TPH (GC/FID) Low Fraction	mg/kg	21.2	0	5.5	77.2	55-109		L591881-09	WG6094
a,a,a-Trifluorotoluene(FID)					96.92	59-128			WG6094
Chloride	mg/kg	715.	220	500	99.0	80-120		L591448-02	WG6094
TPH (GC/FID) High Fraction	ppm	36.9	0	60	61.4	50-150		L591910-03	WG6094
o-Terphenyl					50.28	50-150			WG6094
		Mati	ix Spike	Duplicate					
Analyte	Units	M\$D	Ref	%Rec	Limit	RPD	Limit	Ref Samp	<u>Bat</u> ch
Benzene	mg/kg	0.211	0 203	84.4	32-137	3.85	39	L591881-09	WG60942
Ethylbenzene	mg/kg	0.222	0.219	88.7	10-150	1.10	44	L591881-09	WG60942
Poluene	mg/kg	0.217	0.212	87.0	20-142	2.42	42	L591881-09	WG60942
Total Xylene	mg/kg	0 639	0.636	85.3	16-141	0.530	46	L591881-09	WG6094:
a, a, a-Trifluorotoluene (PID)				101.4	54-144				WG6094
PPH (GC/FID) Low Fraction	mg/kg	17.8	21.2	64.9	55-109	17.4	20	L591881-09	WG6094
a,a,a-Trıfluorotoluene(FID)				95.10	59-128				WG6094
Chloride	mg/kg	713.	715	98.6	80-120	0 280	20	L591448-02	WG6094
TPH (GC/FID) High Fraction	mag	35.3	36.9	58.9	50-150	4.21	40	L591910-03	WG6094

Batch number /Run number / Sample number cross reference

WG609538: R2317675: L591910-01 02 03 WG609420: R2318193: L591910-02 03 WG609473: R2319313: L591910-01 02 03 WG609496: R2322133: L591910-02 03

 <sup>\* \*</sup> 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.'



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

Aztec, NM 87410

Quality Assurance Report Level II

L591910

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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.