

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: XTO Energy, Inc.	Contact: Logan Hixon	
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3683	
Facility Name: WF Federal 27-4	Facility Type: Gas Well (Fruitland Coal)	
Surface Owner: Federal Land	Mineral Owner	API No. 30-045-32394

LOCATION OF RELEASE

Unit Letter G	Section 27	Township 30 N	Range 14W	Feet from the 1335	North/South Line FNL	Feet from the 1330	East/West Line FEL	County San Juan
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Latitude: N36*.78871 Longitude: W-108*29208

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: Approximately 40 bbl.	Volume Recovered: 25 bbl. Recovered
Source of Release: Water Transfer Line	Date and Hour of Occurrence: June 9-10, 14 at Unknown Time	Date and Hour of Discovery: June 10, 2014 at 10:50.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell (NMOCD), Cory Smith (NMOCD)	
By Whom? Logan Hixon(XTO)	Date and Hour: June 10, 2014 at 1508	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

OIL CONS. DIV. DIST. 3

JUL 01 2014

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* A Poly Pipe ruptured at a butt weld inside the separator berm on the WF Federal 27-4 well site. Approximately 40 barrels of produced water (Fruitland Coal) were released, with 25 barrels being recovered on-site. The produced water filled the berm and overcame the berm but stayed on location. The site was then ranked according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 0 due to an estimated depth to groundwater greater than 100 feet, the distance to surface water greater than 1,000 feet, and with a distance greater than 1,000 feet to a water source or domestic water source. This set the closure standard to 5,000 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX. A composite soil sample was collected in the impacted area and sent in for laboratory analysis for TPH via USEPA Method 8015, BTEX via USEPA Method 8021, and for total chlorides. The composite sample collected returned results of 3,500 ppm total chlorides, and below regulatory standards set for this site for BTEX and TPH. (Sample Analytical data and Field Notes attached)

Describe Area Affected and Cleanup Action Taken.* On June 10, 2014 the line was exposed using non-mechanical equipment. Approximately 1 CY soil pulled by non-mechanical means at the source was disposed of at IEI disposal facility. On June 27, 2014 a crew raked into the impacted area approximately 800 lbs. of gypsum at an application rate of approximately one (1) lb. per linear ft. Activity was pursuant to the approved remediation plan (attached). No further action is required.

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: <i>Logan Hixon</i>		OIL CONSERVATION DIVISION	
Printed Name: Logan Hixon		Approved by Environmental Specialist: <i>Cory Smith</i>	
Title: EHS Coordinator		Approval Date: 7/7/14	Expiration Date:
E-mail Address: Logan_Hixon@xtoenergy.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 6-27-14	Phone: 505-333-3683		

* Attach Additional Sheets If Necessary

#NCS 141 8829056



XTO Energy On-Site Form

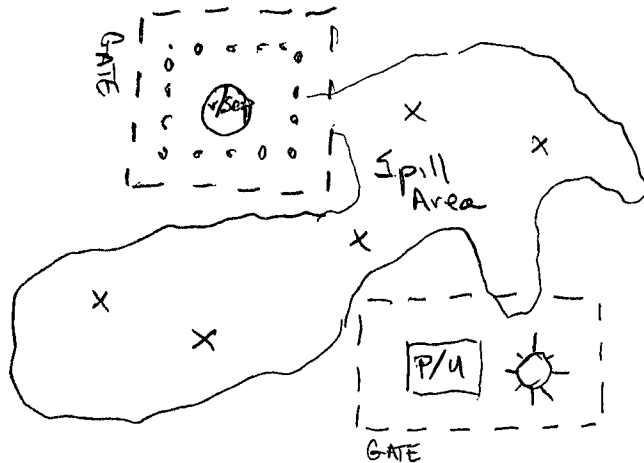
Well Name WF Federal 27#4 API # 30-045-30394

Section 27G Township T-30N Range R-14W County San Juan

Contractors On-Site Serranos/OFT Time On-Site 10:15 Time Off-Site _____

Spill Amount 20 bbls Spilled (Oil Produced Water Other _____)

Land Use Grazing / Residential / Tribe _____) Excavation _____ x _____ x _____ deep



Sample Location

Site Diagram

Sample Location

Comments

Number of Photos Taken

Samples

Time	Sample #	Sample Description	Characteristics	OVM (ppm)	Analysis Requested
	NA	100 Standard	NA		NA
1:15		Composite Spill	Soil	N/A	8015, 8021, CHLORIDES

Name (Print) Kurt Hoekstra Serrano Date 6-10-14
Name (Signature) Serrano Naegle Company XTO

Hoekstra, Kurt

From: Hoekstra, Kurt
Sent: Tuesday, June 10, 2014 3:08 PM
To: Cory.Smith@state.nm.us
Cc: McDaniel, James (James_McDaniel@xtoenergy.com); Hixon, Logan
Subject: 24 hour notification

Hello Cory please accept this as the required 24 hour notification of a produced water spill of approximately 40 BBL's at the WF Federal 27 # 4

API # 30-045-32394, Unit G, Sec. 27 T-30N R-14W San Juan County NM. At approximately 10:50 am on 6-10-2014 a lease operator reported a produced water spill of approximately 40 BBL's due to a water line leak inside the separator berm. Approximately 40BBL's leaked with 25 BBL's recovered the produced water went over the berm but stayed on location. A composite sample was collected and sent to a lab for analysis of TPH 8015, BTEX 8021 and chlorides. If you have any questions or concerns please contact me.

Thank You

Kurt Hoekstra
EHS Coordinator
XTO Energy
505-333-3202 Office
505-486-9543 Cell
Kurt_Hoekstra@xtoenergy.com



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Tax I.D. 62-0814289

Est. 1970

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

Report Summary

Wednesday June 18, 2014

Report Number: L704026

Samples Received: 06/11/14

Client Project:

Description: WF Federal 27-4

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:

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/BIO041, 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, IA Lab #364, EPA - TN002

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

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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REPORT OF ANALYSIS

June 18, 2014

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

Date Received : June 11, 2014
Description : WF Federal 27-4
Sample ID : FARKH-061014-1315
Collected By : Kurt
Collection Date : 06/10/14 13:15

ESC Sample # : L704026-01

Site ID :

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	3500	59.	mg/kg	9056	06/14/14	5
Total Solids	84.6		%	2540 G-2011	06/13/14	1
Benzene	BDL	0.0030	mg/kg	8021/8015	06/15/14	5
Toluene	BDL	0.030	mg/kg	8021/8015	06/15/14	5
Ethylbenzene	BDL	0.0030	mg/kg	8021/8015	06/15/14	5
Total Xylene	BDL	0.0089	mg/kg	8021/8015	06/15/14	5
TPH (GC/FID) Low Fraction	BDL	0.59	mg/kg	GRO	06/15/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	99.3		% Rec.	8021/8015	06/15/14	5
a,a,a-Trifluorotoluene(PID)	99.1		% Rec.	8021/8015	06/15/14	5
TPH (GC/FID) High Fraction	BDL	4.7	mg/kg	3546/DRO	06/17/14	1
Surrogate recovery(%)						
o-Terphenyl	74.9		% Rec.	3546/DRO	06/17/14	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: 06/18/14 12:31 Printed: 06/18/14 12:31

Summary of Remarks For Samples Printed
06/18/14 at 12:31:51

TSR Signing Reports: 288
R5 - Desired TAT

Domestic Water Well Sampling-see L609759 Lobato for tests EDD's on ALL projects email James,
Kurt and Logan all reports

Sample: L704026-01 Account: XTORNM Received: 06/11/14 09:00 Due Date: 06/18/14 00:00 RPT Date: 06/18/14 12:31



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XTO Energy - San Juan Division
Logan Hixon
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L704026

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June 18, 2014

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Total Solids	< .1	%			WG726101	06/13/14 06:56
Chloride	< 10	mg/kg			WG726274	06/13/14 20:10
Benzene	< .0005	mg/kg			WG726100	06/15/14 15:42
Ethylbenzene	< .0005	mg/kg			WG726100	06/15/14 15:42
Toluene	< .005	mg/kg			WG726100	06/15/14 15:42
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG726100	06/15/14 15:42
Total Xylene	< .0015	mg/kg			WG726100	06/15/14 15:42
a,a,a-Trifluorotoluene(FID)		% Rec.	100.0	59-128	WG726100	06/15/14 15:42
a,a,a-Trifluorotoluene(PID)		% Rec.	100.0	54-144	WG726100	06/15/14 15:42
TPH (GC/FID) High Fraction	< 4	mg/kg			WG726586	06/17/14 17:55
o-Terphenyl		% Rec.	76.50	50-150	WG726586	06/17/14 17:55

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
			Duplicate				
Total Solids	%	93.0	91.7	1.37	5	L704031-05	WG726101
Chloride	mg/kg	83.0	72.5	14.0	20	L704453-09	WG726274
Chloride	mg/kg	86.0	89.6	4.00	20	L704453-02	WG726274

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Total Solids	%	50	50.0	100.	85-115	WG726101
Chloride	mg/kg	200	201.	101.	80-120	WG726274
Benzene	mg/kg	.05	0.0474	94.9	70-130	WG726100
Ethylbenzene	mg/kg	.05	0.0500	99.9	70-130	WG726100
Toluene	mg/kg	.05	0.0480	96.0	70-130	WG726100
Total Xylene	mg/kg	.15	0.148	98.3	70-130	WG726100
a,a,a-Trifluorotoluene(PID)				102.0	54-144	WG726100
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.39	98.1	63.5-137	WG726100
a,a,a-Trifluorotoluene(FID)				98.20	59-128	WG726100
TPH (GC/FID) High Fraction	mg/kg	60	54.6	91.0	50-150	WG726586
o-Terphenyl				82.60	50-150	WG726586

Analyte	Units	Laboratory Control Sample Duplicate		% Rec	Limit	RPD	Limit	Batch
		Result	Ref					
Chloride	mg/kg	201.	201.	100.	80-120	0.0	20	WG726274
Benzene	mg/kg	0.0505	0.0474	101.	70-130	6.17	20	WG726100
Ethylbenzene	mg/kg	0.0528	0.0500	106.	70-130	5.49	20	WG726100
Toluene	mg/kg	0.0505	0.0480	101.	70-130	5.05	20	WG726100
Total Xylene	mg/kg	0.155	0.148	104.	70-130	5.13	20	WG726100
a,a,a-Trifluorotoluene(PID)				103.0	54-144			WG726100

* 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	Laboratory Control Sample Duplicate				Limit	RPD	Limit	Batch
	Units	Result	Ref	%Rec				
TPH (GC/FID) Low Fraction	mg/kg	5.58	5.39	101.	63.5-137	3.45	20	WG726100
a,a,a-Trifluorotoluene (FID)				97.30	59-128			WG726100
TPH (GC/FID) High Fraction	mg/kg	55.7	54.6	93.0	50-150	2.04	20	WG726586
o-Terphenyl				78.70	50-150			WG726586

Analyte	Units	Matrix Spike				Limit	Ref Samp	Batch
		MS Res	Ref Res	TV	% Rec			
Chloride	mg/kg	592.	81.5	500	100.	80-120	L704453-06	WG726274
Benzene	mg/kg	0.224	0.000256	.05	90.0	49.7-127	L703689-02	WG726100
Ethylbenzene	mg/kg	0.223	0.000364	.05	89.0	40.8-141	L703689-02	WG726100
Toluene	mg/kg	0.238	0.00124	.05	95.0	49.8-132	L703689-02	WG726100
Total Xylene	mg/kg	0.679	0.00188	.15	90.0	41.2-140	L703689-02	WG726100
a,a,a-Trifluorotoluene (PID)					101.0	54-144		WG726100
TPH (GC/FID) Low Fraction	mg/kg	22.6	0.0	5.5	82.0	28.5-138	L703689-02	WG726100
a,a,a-Trifluorotoluene (FID)					96.20	59-128		WG726100
TPH (GC/FID) High Fraction	mg/kg	55.1	0.631	60	91.0	50-150	L704026-01	WG726586
o-Terphenyl					69.20	50-150		WG726586

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Chloride	mg/kg	584.	592.	100.	80-120	1.00	20	L704453-06	WG726274
Benzene	mg/kg	0.215	0.224	85.7	49.7-127	4.46	23.5	L703689-02	WG726100
Ethylbenzene	mg/kg	0.209	0.223	83.5	40.8-141	6.55	23.8	L703689-02	WG726100
Toluene	mg/kg	0.209	0.238	83.0	49.8-132	13.0	23.5	L703689-02	WG726100
Total Xylene	mg/kg	0.620	0.679	82.4	41.2-140	9.17	23.7	L703689-02	WG726100
a,a,a-Trifluorotoluene (PID)				101.0	54-144				WG726100
TPH (GC/FID) Low Fraction	mg/kg	23.3	22.6	84.9	28.5-138	3.16	23.6	L703689-02	WG726100
a,a,a-Trifluorotoluene (FID)				96.60	59-128				WG726100
TPH (GC/FID) High Fraction	mg/kg	52.0	55.1	85.6	50-150	5.73	20	L704026-01	WG726586
o-Terphenyl				67.70	50-150				WG726586

Batch number / Run number / Sample number cross reference

WG726101: R2940264: L704026-01
WG726274: R2941265: L704026-01
WG726100: R2942047: L704026-01
WG726586: R2943377: L704026-01

* * 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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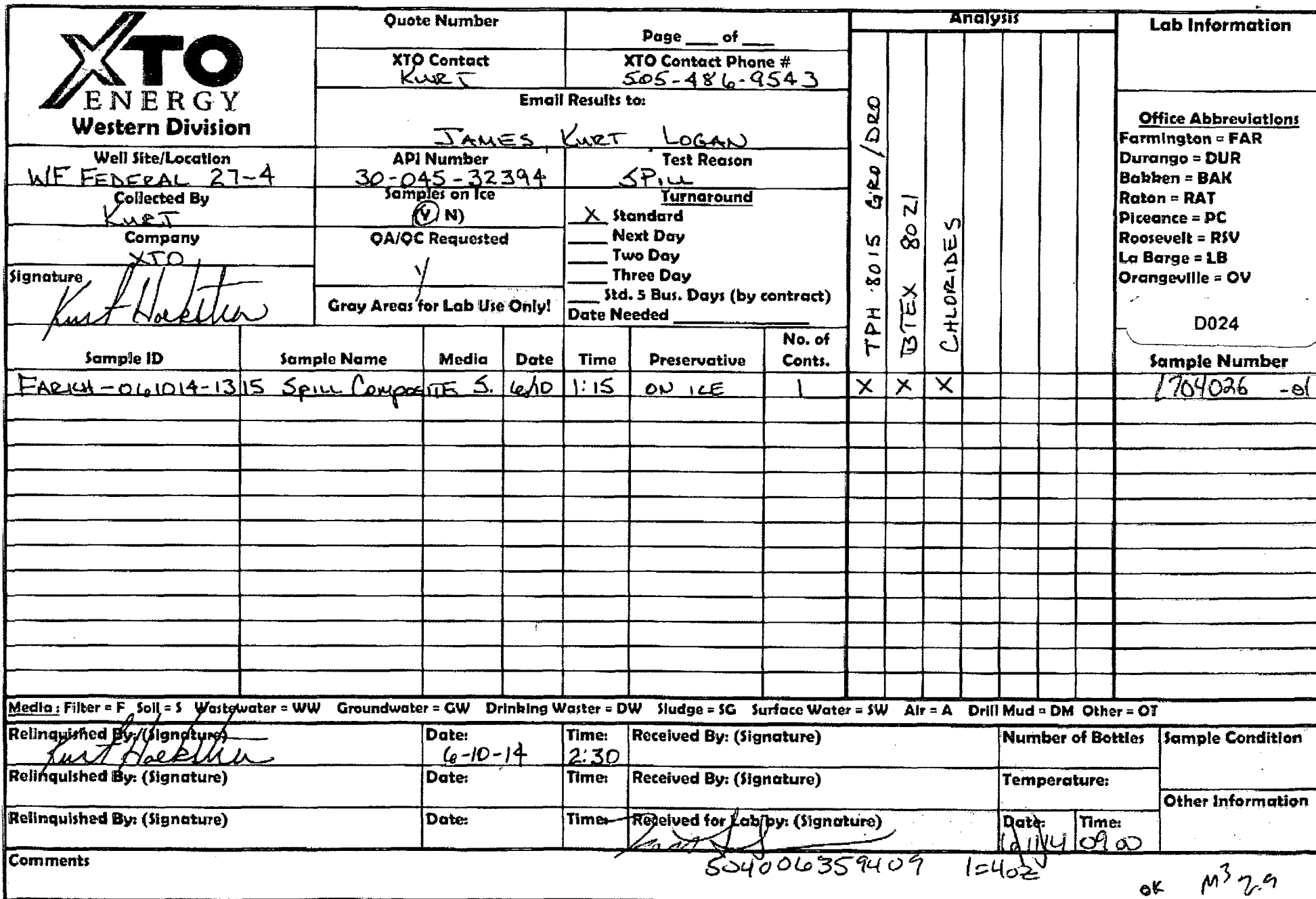
June 18, 2014

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.



* Sample ID will be the office and sampler-date-military time FARJM-MMDDYY-1200

0384

Hixon, Logan

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Monday, June 23, 2014 8:47 AM
To: Hixon, Logan
Cc: Powell, Brandon, EMNRD
Subject: RE: WF Federal 27-4 Release Remediation Plan (30-045-32394)

Mr. Hixon,

I Apologize for the late response I was out of the office for training. The below plan is approved for remediation at the WF Federal 27-4

Please send a hard copy of the final C-141 to the Aztec OCD Office when remediation is complete.

Thank you,

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Hixon, Logan [mailto:Logan_Hixon@xtoenergy.com]
Sent: Wednesday, June 18, 2014 1:41 PM
To: Smith, Cory, EMNRD
Cc: McDaniel, James; Hoekstra, Kurt; Divine, Olan; Wilson, Mark; Shelby, Ray
Subject: WF Federal 27-4 Release Remediation Plan (30-045-32394)

Good Afternoon,

Attached for your reference are the analytical results and on-site form taken on June 10, 2014 from the WF Federal 27-4 water (Fruitland Coal) line release. XTO proposes to remediate the impacted area with gypsum, in the impacted area. Approximately 800 lbs. of gypsum at an application rate of 1 lb. per linear feet approximately will be used in the impacted area by raking and spreading of the gypsum. After the application of gypsum to the impacted area XTO will consider this site closed and a follow up C-141 documentation will be submitted. Thank you for your time!

If you have any questions or concerns do not hesitate to contact me at anytime. Thank you and have a good day!

Thank You!

XTO ENERGY INC., an ExxonMobil subsidiary

Logan Hixon | 72 Suttle Street, Suite J | Durango, CO 81303 | ph: 970-247-7708 | Cell: 505-386-8018

Logan Hixon | 382 CR 3100 | Aztec, NM 87410 | ph: 505-333-3100 | Logan_Hixon@xtoenergy.com

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