

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

Form C-141
Revised August 8, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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: Salty Dog SWD 3R	Facility Type: SWD

Surface Owner: Federal Land	Mineral Owner	API No. 30-045-31274
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	28	30 N	14W	1140	FNL	2360	FEL	San Juan

Latitude: N36*.788105 Longitude: W-108*310425

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: Approximately 70 bbl.	Volume Recovered: 5 bbl. Recovered
Source of Release: Water Transfer Line	Date and Hour of Occurrence: June 2-3, 2014 at Unknown Time	Date and Hour of Discovery: June 3, 2014 at 10:30.
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 3, 2014 at 19:15 (see attached E-Mail)	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

OIL CONS. DIV DIST. 3
JUN 27 2014

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

A 4" SDR II Poly Pipe ruptured at a butt weld alongside the access road to the Salty Dogs SWD 3R well site. The release occurred at the approximate coordinates of 36.788470 and -108.310132. Approximately 70 barrels of produced water was released. Approximately 5 BBL. were recovered on-site. The release occurred on the west side of a slight draw on the north side of the bar ditch of the access road and ran approximately 80 feet east into the slight draw and then through the access road culvert and then proceeded approximately another 1000 feet south east down the unnamed draw where it came to an end. The unnamed draw is not a blue line on a topographic map at 24K scale. The site was then ranked according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 20 due to an estimated distance to surface water less than 200 feet. This set the closure standard to 100 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX. A water sample was collected at the source of the release to be laboratory analyzed for BTEX via USEPA Method 8021. Soil samples were collected at the source, at the point of release entering the draw downstream of the culvert, midway down the draw at the point of the release cresting a rock outfall, and at the end of the release for a total of four (4) soil samples. All four (4) samples individual of each other were sent in for laboratory analysis for TPH via USEPA Method 8015, BTEX via USEPA Method 8021 and for total chlorides. The water sample collected at the source returned results below the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases standards set for this site for BTEX via USEPA Method 8021. The soil samples collected from the source, at the point of release entering the draw downstream of the culvert, midway down the draw at the point of the release cresting a rock outfall, and at the end of the release returned results below the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases standards set for this site for TPH via USEPA Method 8015, BTEX via USEPA Method 8021. The soil sample collected at the source returned results of 2,900 ppm total chlorides. Further down the impacted area the sample collected at the point of release entering the draw downstream of the culvert returned analytical results of 2,400 ppm total chlorides. The sample collected midway down the draw at the point of the release cresting a rock outfall returned results of 2,400 ppm total chlorides. The sample collected at the end of the release returned results of 600 ppm total chlorides. (Sample Analytical data and Field Notes attached)

Describe Area Affected and Cleanup Action Taken.*

On June 3, 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 16, 2014 a crew raked into the dry drainage feature approximately 2,000 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>[Signature]</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: 6-25-14	Phone: 505-333-3683	

* Attach Additional Sheets If Necessary

#NCS 141 8834631

SALTY DOG SWD 3R

On-Site Form- Samples Needed

Well lat and long

77

Waterflow, NM 87421

United States

(36.788105, -108.310425)

API

30-045-31274

State

nm

County

SJ

Section

28 A

Township

30

Range

14

Time On-Site

6/3/14 12:45 PM

Reason for On-Site

RELEASE

Contractors On Site

Yes

Spill Amount

APPROX 70 bbls

Amount Recovered

5 BBLS


Material Spilled


PRODUCED WATER

Land Usage

range

Audit

Question	Response	Details
 <p data-bbox="250 562 313 584">Appendix 1</p>		
Ranking		
Distance to groundwater	0	
Distance to surface water	20	
Distance to water well	0	
Total ranking	20	
Sample 1		
Time sample collected	6/3/14 12:45 PM	
Sample description	source	
Characteristic	sand	
OVM (PPM)		
Analysis Requested	yes	8015,8021, chloride-rush
Sample 2		
Time sample collected	6/3/14 1:00 PM	
Sample description	mid source	
Characteristic	sand	
OVM (PPM)		
Analysis Requested	yes	8015,8021, chloride-rush
Sample 3		
Time sample collected	6/3/14 1:15 PM	
Sample description	mid end	
Characteristic	sand	
OVM (PPM)		
Analysis Requested	yes	8015,8021, chloride-rush
Sample 4		
Time sample collected	6/3/14 1:30 PM	

Sample description		end	
Characteristic		sand	
OVM (PPM)			
Analysis Requested		yes	8015,8021, chloride-rush
Comments			
Print Name & Sign	LOGAN HIXON	6/3/14 1:37 PM	
Company		Xto	
		6/3/14 2:06 PM	

Media



Appendix 1

Hixon, Logan

From: Hixon, Logan
Sent: Tuesday, June 03, 2014 7:15 PM
To: 'Cory.smith@state.nm.us'; BRANDON POWELL (brandon.powell@state.nm.us); Jonathan Kelly (jonathan.kelly@state.nm.us)
Cc: Marriott, Mike; Shelby, Ray; Nee, Martin; Wilson, Mark; Divine, Olan; McDaniel, James; 'Woolley, Jeff'; Hoekstra, Kurt
Subject: 24 Hour Notification of Release-Salty Dog SWD 3R Water Transfer Line (30-045-31274)

Good Evening,

Please accept this email as the required notification of a release at the Salty Dog SWD 3R (30-045-31274) located in section 28(A), Township 30N, Range 14W, San Juan County, New Mexico produced water transfer line along the access road at the approximate Latitude and Longitude of 36.788470, -108.310132. At approximately 10:30 on June 3, 2014 a water leak was found along the access road to the Salty Dog SWD 3R. Approximately 70 barrels of produced water (Fruitland Coal Production Water) was released from the line. Approximately 5 barrels were recovered on site. The release occurred on the west side of a slight draw on the north side of the bar ditch of the access road and ran approximately 80 feet east into the slight draw and then through the access road culvert and then proceeded approximately another 1000 feet south east down the unnamed draw where it came to an end. The unnamed draw is not a blue line on a topographic map at 24K scale. The unnamed drainage runs into runs into Coolidge Arroyo approximately 1,580 feet from the end of the release. Coolidge Arroyo runs into the San Juan River approximately 6 miles downstream. The site was then ranked according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 20 due to an estimated distance to surface water less than 200 feet. This set the closure standard to 100 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX. A water sample was collected at the source of the release to be laboratory analyzed for BTEX via USEPA Method 8021. Soil samples were collected at the source, at the point of release entering the draw downstream of the culvert, midway down the draw at the point of the release cresting a rock outfall, and at the end of the release for a total of four (4) soil samples. All four (4) samples individual of each other were sent in for laboratory analysis for TPH via USEPA Method 8015, BTEX via USEPA Method 8021, and for total chlorides. Repairs are being made at this time with the use of non-mechanical equipment to expose the line. Once the line was exposed it was determined that the line had come apart at a butt weld. All non-mechanical removed material will be hauled to Industrial Ecosystem Inc. land farm for proper disposal. A follow-up correspondence will be made at the time of receiving the laboratory analytical data. Thanks and have a good evening!

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

Report Summary

Thursday June 05, 2014

Report Number: L702443

Samples Received: 06/04/14

Client Project: 30-045-31274

Description:

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

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REPORT OF ANALYSIS

June 05, 2014

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

Date Received : June 04, 2014
 Description :

Sample ID : FARLH-060314-1245

Collected By : Logan Hixon
 Collection Date : 06/03/14 12:45

ESC Sample # : L702443-01

Site ID : SALTY DOG SWD 3R

Project # : 30-045-31274

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	2900	64.	mg/kg	9056	06/05/14	5
Total Solids	78.1		%	2540 G-2011	06/05/14	1
Benzene	0.0056	0.0032	mg/kg	8021/8015	06/04/14	5
Toluene	BDL	0.032	mg/kg	8021/8015	06/04/14	5
Ethylbenzene	BDL	0.0032	mg/kg	8021/8015	06/04/14	5
Total Xylene	BDL	0.0096	mg/kg	8021/8015	06/04/14	5
TPH (GC/FID) Low Fraction	BDL	0.64	mg/kg	GRO	06/04/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	100.		% Rec.	8021/8015	06/04/14	5
a,a,a-Trifluorotoluene (PID)	105.		% Rec.	8021/8015	06/04/14	5
TPH (GC/FID) High Fraction	BDL	5.1	mg/kg	3546/DRO	06/05/14	1
Surrogate recovery(%)						
o-Terphenyl	83.0		% Rec.	3546/DRO	06/05/14	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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Reported: 06/05/14 13:06 Printed: 06/05/14 13:56



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REPORT OF ANALYSIS

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

June 05, 2014

Date Received : June 04, 2014
 Description :
 Sample ID : FARLH-060314-1300
 Collected By : Logan Hixon
 Collection Date : 06/03/14 13:00

ESC Sample # : L702443-02

Site ID : SALTY DOG SWD 3R

Project # : 30-045-31274

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	2400	66.	mg/kg	9056	06/05/14	5
Total Solids	75.2		%	2540 G-2011	06/05/14	1
Benzene	BDL	0.0033	mg/kg	8021/8015	06/04/14	5
Toluene	BDL	0.033	mg/kg	8021/8015	06/04/14	5
Ethylbenzene	BDL	0.0033	mg/kg	8021/8015	06/04/14	5
Total Xylene	BDL	0.010	mg/kg	8021/8015	06/04/14	5
TPH (GC/FID) Low Fraction	BDL	0.66	mg/kg	GRO	06/04/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	98.9		% Rec.	8021/8015	06/04/14	5
a,a,a-Trifluorotoluene (PID)	104.		% Rec.	8021/8015	06/04/14	5
TPH (GC/FID) High Fraction	BDL	5.3	mg/kg	3546/DRO	06/05/14	1
Surrogate recovery(%)						
o-Terphenyl	69.3		% Rec.	3546/DRO	06/05/14	1

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

Note:
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REPORT OF ANALYSIS

June 05, 2014

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

Date Received : June 04, 2014
 Description :

Sample ID : FARLH-060314-1315

Collected By : Logan Hixon
 Collection Date : 06/03/14 13:15

ESC Sample # : L702443-03

Site ID : SALTY DOG SWD 3R

Project # : 30-045-31274

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	2400	61.	mg/kg	9056	06/05/14	5
Total Solids	82.2		%	2540 G-2011	06/05/14	1
Benzene	BDL	0.0030	mg/kg	8021/8015	06/04/14	5
Toluene	BDL	0.030	mg/kg	8021/8015	06/04/14	5
Ethylbenzene	BDL	0.0030	mg/kg	8021/8015	06/04/14	5
Total Xylene	BDL	0.0091	mg/kg	8021/8015	06/04/14	5
TPH (GC/FID) Low Fraction	BDL	0.61	mg/kg	GRO	06/04/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	97.5		% Rec.	8021/8015	06/04/14	5
a,a,a-Trifluorotoluene (PID)	98.9		% Rec.	8021/8015	06/04/14	5
TPH (GC/FID) High Fraction	BDL	4.9	mg/kg	3546/DRO	06/05/14	1
Surrogate recovery(%)						
o-Terphenyl	69.6		% Rec.	3546/DRO	06/05/14	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

June 05, 2014

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

ESC Sample # : L702443-04

Date Received : June 04, 2014
 Description :

Site ID : SALTY DOG SWD 3R

Sample ID : FARLH-060314-1330

Project # : 30-045-31274

Collected By : Logan Hixon
 Collection Date : 06/03/14 13:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	600	11.	mg/kg	9056	06/05/14	1
Total Solids	87.2		%	2540 G-2011	06/05/14	1
Benzene	BDL	0.0029	mg/kg	8021/8015	06/04/14	5
Toluene	BDL	0.029	mg/kg	8021/8015	06/04/14	5
Ethylbenzene	BDL	0.0029	mg/kg	8021/8015	06/04/14	5
Total Xylene	BDL	0.0086	mg/kg	8021/8015	06/04/14	5
TPH (GC/FID) Low Fraction	BDL	0.57	mg/kg	GRO	06/04/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	96.8		% Rec.	8021/8015	06/04/14	5
a,a,a-Trifluorotoluene(PID)	98.7		% Rec.	8021/8015	06/04/14	5
TPH (GC/FID) High Fraction	BDL	4.6	mg/kg	3546/DRO	06/05/14	1
Surrogate recovery(%)						
o-Terphenyl	86.1		% Rec.	3546/DRO	06/05/14	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

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

June 05, 2014

Date Received : June 04, 2014
 Description :

ESC Sample # : L702443-05

Sample ID : FARLH-060314-1000

Site ID : SALTY DOG SWD 3R

Collected By : Logan Hixon
 Collection Date : 06/03/14 10:00

Project # : 30-045-31274

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.12	0.00050	mg/l	8021B	06/04/14	1
Toluene	0.056	0.0050	mg/l	8021B	06/04/14	1
Ethylbenzene	0.0068	0.00050	mg/l	8021B	06/04/14	1
Total Xylene	0.036	0.0015	mg/l	8021B	06/04/14	1
Surrogate Recovery(%) a,a,a-Trifluorotoluene (PID)	97.9		% Rec.	8021B	06/04/14	1

9

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit (PQL)
 Note:

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

Quality Assurance Report
 Level II

Aztec, NM 87410

June 05, 2014

L702443

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .0005	mg/kg			WG724439	06/04/14 04:50
Ethylbenzene	< .0005	mg/kg			WG724439	06/04/14 04:50
Toluene	< .005	mg/kg			WG724439	06/04/14 04:50
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG724439	06/04/14 04:50
Total Xylene	< .0015	mg/kg			WG724439	06/04/14 04:50
a, a, a-Trifluorotoluene (FID)		% Rec.	100.0	59-128	WG724439	06/04/14 04:50
a, a, a-Trifluorotoluene (PID)		% Rec.	106.0	54-144	WG724439	06/04/14 04:50
Benzene	< .0005	mg/kg			WG724438	06/04/14 06:30
Ethylbenzene	< .0005	mg/kg			WG724438	06/04/14 06:30
Toluene	< .005	mg/kg			WG724438	06/04/14 06:30
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG724438	06/04/14 06:30
Total Xylene	< .0015	mg/kg			WG724438	06/04/14 06:30
a, a, a-Trifluorotoluene (FID)		% Rec.	97.50	59-128	WG724438	06/04/14 06:30
a, a, a-Trifluorotoluene (PID)		% Rec.	98.00	54-144	WG724438	06/04/14 06:30
Benzene	< .0005	mg/l			WG724443	06/04/14 06:28
Ethylbenzene	< .0005	mg/l			WG724443	06/04/14 06:28
Toluene	< .005	mg/l			WG724443	06/04/14 06:28
Total Xylene	< .0015	mg/l			WG724443	06/04/14 06:28
a, a, a-Trifluorotoluene (PID)		% Rec.	102.0	55-122	WG724443	06/04/14 06:28
Total Solids	< .1	%			WG724559	06/05/14 07:20
TPH (GC/FID) High Fraction	< 4	mg/kg			WG724496	06/04/14 23:46
o-Terphenyl		% Rec.	79.50	50-150	WG724496	06/04/14 23:46
Chloride	< 10	mg/kg			WG724550	06/05/14 00:13

Analyte	Units	Duplicate		RPD	Limit	Ref Samp	Batch
		Result	Duplicate				
Total Solids	%	80.1	78.1	2.57	5	L702443-01	WG724559

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/kg	.05	0.0485	97.1	70-130	WG724439
Ethylbenzene	mg/kg	.05	0.0501	100.	70-130	WG724439
Toluene	mg/kg	.05	0.0498	99.6	70-130	WG724439
Total Xylene	mg/kg	.15	0.153	102.	70-130	WG724439
a, a, a-Trifluorotoluene (PID)				104.0	54-144	WG724439
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.23	95.2	63.5-137	WG724439
a, a, a-Trifluorotoluene (FID)				101.0	59-128	WG724439
Benzene	mg/kg	.05	0.0495	98.9	70-130	WG724438
Ethylbenzene	mg/kg	.05	0.0504	101.	70-130	WG724438
Toluene	mg/kg	.05	0.0491	98.3	70-130	WG724438
Total Xylene	mg/kg	.15	0.150	99.7	70-130	WG724438
a, a, a-Trifluorotoluene (FID)				97.50	59-128	WG724438
a, a, a-Trifluorotoluene (PID)				99.10	54-144	WG724438
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.40	98.2	63.5-137	WG724438
a, a, a-Trifluorotoluene (FID)				98.50	59-128	WG724438

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

Quality Assurance Report
 Level II

Aztec, NM 87410

June 05, 2014

L702443

Analyte	Units	Laboratory Control Known Val	Sample Result	% Rec	Limit	Batch
a, a, a-Trifluorotoluene (PID)				100.0	54-144	
Benzene	mg/l	.05	0.0455	91.0	70-130	WG724443
Ethylbenzene	mg/l	.05	0.0476	95.3	70-130	WG724443
Toluene	mg/l	.05	0.0463	92.5	70-130	WG724443
Total Xylene	mg/l	.15	0.145	96.4	70-130	WG724443
a, a, a-Trifluorotoluene (PID)				102.0	55-122	WG724443
Total Solids	%	50	50.0	100.	85-115	WG724559
TPH (GC/FID) High Fraction o-Terphenyl	mg/kg	60	51.7	86.1 80.40	50-150 50-150	WG724496 WG724496
Chloride	mg/kg	200	208.	104.	80-120	WG724550

Analyte	Units	Laboratory Control		Sample Duplicate	Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzene	mg/kg	0.0490	0.0485	98.0	70-130	0.920	20	WG724439
Ethylbenzene	mg/kg	0.0500	0.0501	100.	70-130	0.260	20	WG724439
Toluene	mg/kg	0.0497	0.0498	99.0	70-130	0.140	20	WG724439
Total Xylene	mg/kg	0.153	0.153	102.	70-130	0.530	20	WG724439
a, a, a-Trifluorotoluene (PID)				105.0	54-144			WG724439
TPH (GC/FID) Low Fraction	mg/kg	5.26	5.23	96.0	63.5-137	0.450	20	WG724439
a, a, a-Trifluorotoluene (FID)				102.0	59-128			WG724439
Benzene	mg/kg	0.0498	0.0495	100.	70-130	0.640	20	WG724438
Ethylbenzene	mg/kg	0.0505	0.0504	101.	70-130	0.0400	20	WG724438
Toluene	mg/kg	0.0489	0.0491	98.0	70-130	0.530	20	WG724438
Total Xylene	mg/kg	0.149	0.150	99.0	70-130	0.420	20	WG724438
a, a, a-Trifluorotoluene (FID)				97.20	59-128			WG724438
a, a, a-Trifluorotoluene (PID)				99.40	54-144			WG724438
TPH (GC/FID) Low Fraction	mg/kg	5.47	5.40	99.0	63.5-137	1.25	20	WG724438
a, a, a-Trifluorotoluene (FID)				97.70	59-128			WG724438
a, a, a-Trifluorotoluene (PID)				98.50	54-144			WG724438
Benzene	mg/l	0.0453	0.0455	91.0	70-130	0.360	20	WG724443
Ethylbenzene	mg/l	0.0471	0.0476	94.0	70-130	1.09	20	WG724443
Toluene	mg/l	0.0457	0.0463	91.0	70-130	1.23	20	WG724443
Total Xylene	mg/l	0.143	0.145	96.0	70-130	0.840	20	WG724443
a, a, a-Trifluorotoluene (PID)				101.0	55-122			WG724443
TPH (GC/FID) High Fraction o-Terphenyl	mg/kg	52.3	51.7	87.0 80.90	50-150 50-150	1.18	20	WG724496 WG724496
Chloride	mg/kg	204.	208.	102.	80-120	2.00	20	WG724550

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
Benzene	mg/kg	0.234	0.000362	.05	94.0	49.7-127	L702278-01	WG724439
Ethylbenzene	mg/kg	0.229	0.000475	.05	91.0	40.8-141	L702278-01	WG724439
Toluene	mg/kg	0.237	0.00149	.05	94.0	49.8-132	L702278-01	WG724439

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June 05, 2014

L702443

Analyte	Units	MS Res	Matrix Spike			% Rec	Limit	Ref Samp	Batch
			Ref Res	TV					
Total Xylene	mg/kg	0.695	0.00236	.15		92.0	41.2-140	L702278-01	WG724439
a, a, a-Trifluorotoluene (PID)						103.0	54-144		WG724439
TPH (GC/FID) Low Fraction	mg/kg	21.0	0.0	5.5		76.0	28.5-138	L702278-01	WG724439
a, a, a-Trifluorotoluene (FID)						101.0	59-128		WG724439
Benzene	mg/kg	0.239	0.000275	.05		95.0	49.7-127	L702065-01	WG724438
Ethylbenzene	mg/kg	0.229	0.000614	.05		91.0	40.8-141	L702065-01	WG724438
Toluene	mg/kg	0.234	0.00184	.05		93.0	49.8-132	L702065-01	WG724438
Total Xylene	mg/kg	0.668	0.00250	.15		89.0	41.2-140	L702065-01	WG724438
a, a, a-Trifluorotoluene (FID)						97.00	59-128		WG724438
a, a, a-Trifluorotoluene (PID)						99.00	54-144		WG724438
TPH (GC/FID) Low Fraction	mg/kg	18.4	0.0	5.5		67.0	28.5-138	L701786-02	WG724438
a, a, a-Trifluorotoluene (FID)						94.70	59-128		WG724438
a, a, a-Trifluorotoluene (PID)						98.60	54-144		WG724438
Benzene	mg/l	0.0480	0.000207	.05		96.0	57.2-131	L702262-17	WG724443
Ethylbenzene	mg/l	0.0492	0.0	.05		98.0	67.5-135	L702262-17	WG724443
Toluene	mg/l	0.0478	0.0	.05		96.0	63.7-134	L702262-17	WG724443
Total Xylene	mg/l	0.149	0.000146	.15		99.0	65.9-138	L702262-17	WG724443
a, a, a-Trifluorotoluene (PID)						101.0	55-122		WG724443

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Benzene	mg/kg	0.229	0.234	91.6	49.7-127	1.97	23.5	L702278-01	WG724439
Ethylbenzene	mg/kg	0.221	0.229	88.0	40.8-141	3.68	23.8	L702278-01	WG724439
Toluene	mg/kg	0.228	0.237	90.5	49.8-132	3.93	23.5	L702278-01	WG724439
Total Xylene	mg/kg	0.669	0.695	88.9	41.2-140	3.81	23.7	L702278-01	WG724439
a, a, a-Trifluorotoluene (PID)				104.0	54-144				WG724439
TPH (GC/FID) Low Fraction	mg/kg	21.3	21.0	77.6	28.5-138	1.73	23.6	L702278-01	WG724439
a, a, a-Trifluorotoluene (FID)				101.0	59-128				WG724439
Benzene	mg/kg	0.209	0.239	83.6	49.7-127	13.1	23.5	L702065-01	WG724438
Ethylbenzene	mg/kg	0.196	0.229	78.3	40.8-141	15.3	23.8	L702065-01	WG724438
Toluene	mg/kg	0.200	0.234	79.4	49.8-132	15.6	23.5	L702065-01	WG724438
Total Xylene	mg/kg	0.571	0.668	75.8	41.2-140	15.5	23.7	L702065-01	WG724438
a, a, a-Trifluorotoluene (FID)				97.50	59-128				WG724438
a, a, a-Trifluorotoluene (PID)				99.10	54-144				WG724438
TPH (GC/FID) Low Fraction	mg/kg	23.1	18.4	84.1	28.5-138	22.7	23.6	L701786-02	WG724438
a, a, a-Trifluorotoluene (FID)				95.30	59-128				WG724438
a, a, a-Trifluorotoluene (PID)				98.20	54-144				WG724438
Benzene	mg/l	0.0445	0.0480	88.5	57.2-131	7.71	20	L702262-17	WG724443
Ethylbenzene	mg/l	0.0453	0.0492	90.6	67.5-135	8.24	20	L702262-17	WG724443
Toluene	mg/l	0.0441	0.0478	88.1	63.7-134	8.22	20	L702262-17	WG724443
Total Xylene	mg/l	0.137	0.149	91.5	65.9-138	8.14	20	L702262-17	WG724443
a, a, a-Trifluorotoluene (PID)				100.0	55-122				WG724443

Batch number / Run number / Sample number cross reference

WG724439: R2934065: L702443-01
 WG724438: R2934213: L702443-03 04
 WG724443: R2934425: L702443-05
 WG724559: R2934622: L702443-01 02 03 04

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L702443

June 05, 2014

WG724496: R2934737: L702443-01 02 03 04
WG724550: R2934989: L702443-01 02 03 04

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
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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.



Quote Number

Page 1 of 1

XTO Contact

Logan Hixon

XTO Contact Phone #

505 386-888

Email Results to:

Logan, Kurt, Jane

Analysis

Lab Information

Office Abbreviations

- Farmington = FAR
- Durango = DUR
- Bakken = BAK
- Raton = RAT
- Piceance = PC
- Roosevelt = RSV
- La Barge = LB
- Orangeville = OV

D125

Well Site/Location
Salty Dog SWD 3R

API Number
30-048-21774

Test Reason
Release

Collected By
Logan Hixon

Samples on Ice
(Y/N)

Turnaround

Company
XTO

QA/QC Requested

Standard
 Next Day

Two Day

Three Day

Std. 5 Bus. Days (by contract)

Date Needed

Gray Areas for Lab Use Only!

Signature

Joy

8015 (MOD 60)
 8021 (BTEX)
 Chlorides

Sample ID	Sample Name	Media	Date	Time	Preservative	No. of Conts.					Sample Number
FARLH-060314-1245	Source	S	6-3	1245	COOL	1-402	X	X	X	X	L702443-01
FARLH-060314-1300	Mid Source	S	6-3	1300	COOL	1-402	X	X	X	X	02
" " -1315	Mid End	S	6-3	1315	COOL	1-402	X	X	X	X	03
" " -1330	End	S	6-3	1330	COOL	1-402	X	X	X	X	04
FARLH-060314-1600	Wtr Source	WW	6-2	10:00	COOL	2-100	X				05

Media: Filter = F Soil = S Wastewater = WW Groundwater = GW Drinking Water = DW Sludge = SG Surface Water = SW Air = A Drill Mud = DM Other = OT

Relinquished By: (Signature) Joy	Date: 6-3-14	Time: 1500	Received By: (Signature)	Number of Bottles	Sample Condition
Relinquished By: (Signature)	Date:	Time:	Received By: (Signature)	Temperature:	Other Information
Relinquished By: (Signature)	Date:	Time:	Received for Lab by: (Signature)	Date: 6/4/14	Time: 0900

Comments: 504006359394 6 3.86 PV

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

Hixon, Logan

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Tuesday, June 10, 2014 1:24 PM
To: Hixon, Logan
Subject: RE: Salty Dog SWD 3R Release Remediation Plan (30-045-31274)

Mr. Hixon,

Your remediation plan for the Salty Dog SWD 3R is approved.

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: Tuesday, June 10, 2014 10:13 AM
To: Smith, Cory, EMNRD; Powell, Brandon, EMNRD
Cc: McDaniel, James; Hoekstra, Kurt; Divine, Olan; Wilson, Mark; Shelby, Ray
Subject: Salty Dog SWD 3R Release Remediation Plan (30-045-31274)

Good Afternoon,

Attached for your reference are the analytical results and on-site form taken on June 3, 2014 from the Salty Dog SWD 3R water transfer line release. XTO proposes to remediate the impacted area with gypsum, from the source of the release to the end of the release. Approximately 1,500 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. The work is tentatively scheduled for Monday June 16, 2014. 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
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Logan Hixon | 382 CR 3100 | Aztec, NM 87410 | ph: 505-333-3100 | Logan_Hixon@xtoenergy.com

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