



13 August 2015

Ms. Kellie Jones  
Environmental Specialist  
NMOCD  
1625 North French Drive  
Hobbs, New Mexico 88240

RE: Final Closure Report  
XTO Energy – EMSU #209  
UL-J, Section 3, Township 21 South, Range 36 East  
Lea County, New Mexico  
NMOCD Reference # 1RP-3651

Ms. Jones:

The following *Final Closure Report* serves as a condensed update on closure activities for the above referenced Site.

**Background Information:**

Flow line was shut in at the header. The flow line pressured up and blew out by the well pad. Had a vacuum truck suck up all fluid possible. Pasture and an old abandoned location were affected.

**Remediation Activities:**

EPI personnel mobilized on the site on April 3, 2015 to collect soil samples to determine the vertical extent of contamination. A total of nine (9) soil samples were collected at varying depths from three (3) sample location; SP1 – SP3. All samples were sent to Cardinal Labs for testing. Laboratory analytical results indicate Benzene, BTEX and TPH concentrations do not exceed NMOCD Recommended Remedial Action Levels (NMOCD RRALs) of 10 mg/Kg, 50 mg/Kg, and 5,000 mg/Kg, respectively, at any depth. Chloride concentrations exceed NMOCD RRALs of 1,000 mg/Kg to a depth of twenty-five (25) feet bgs in the area of SP1. Chloride concentrations do not exceed NMOCD RRALs of 1,000 mg/Kg in the areas of SP2 and SP3 (reference *Figure 3* and *Table 2*).

The release area around SP1 and SP2 has been excavated approximately two (2) feet bgs; the release area on the lease road has been scraped up. All contaminated material has been transported to a state approved facility for disposal.

**Closure Activities:**

Taking into consideration the vertical depth of contamination, it would require a very large excavation for removal of all Chloride impacted soil to a depth of approximately twenty five (25) vertical feet. In lieu of this, the area around SP1 was excavated an additional two (2) feet and a twenty (20) mil thick polyethylene liner was installed in the bottom of the excavation (reference *Figure 4*). Approximately 930 yards of contaminated soil were hauled to a state approved

facility for disposal. Bottom of polyethylene liner was laid on a one (1) foot thick layer of clean soil. The excavation was backfilled with approximately 930 yards of clean soil to finish grade. Soil is free of deleterious material or rocks or large clumps.

Backfilling continued until the entire excavation was closed. Upon completion of backfill activities, the entire disturbed area has been contoured to blend with existing pad area and protected against wind/water erosion.

Should you have any questions or concerns please feel free to contact me at (575) 394-3481 or via e-mail at [ddominguezepi@gmail.com](mailto:ddominguezepi@gmail.com) or Mr. John Robinson at (575) 441-5199 or via e-mail at [john\\_robinson@xtoenergy.com](mailto:john_robinson@xtoenergy.com). All official communication should be addressed to:

Mr. John Robinson  
XTO Energy  
P.O. Box 700  
Eunice, NM 88231

Sincerely,

ENVIRONMENTAL PLUS, INC.

Daniel Dominguez  
Environmental Consultant

cc: John Robinson, Maintenance Foreman – XTO Energy  
File

Encl.: Figure 1 – Area Map  
Figure 2 – Site Location Map  
Figure 3 – Sample/Site Map  
Figure 4 – Liner Location Map  
Table 1 – Well Data  
Table 2 – Summary of Soil Sample Field Testing and Laboratory Analytical Results  
Attachment I – Photographs  
Attachment II – Laboratory Analytical Results  
Attachment II – Copy of Initial NMOCD Form C-141, Final C-141

## **FIGURES**

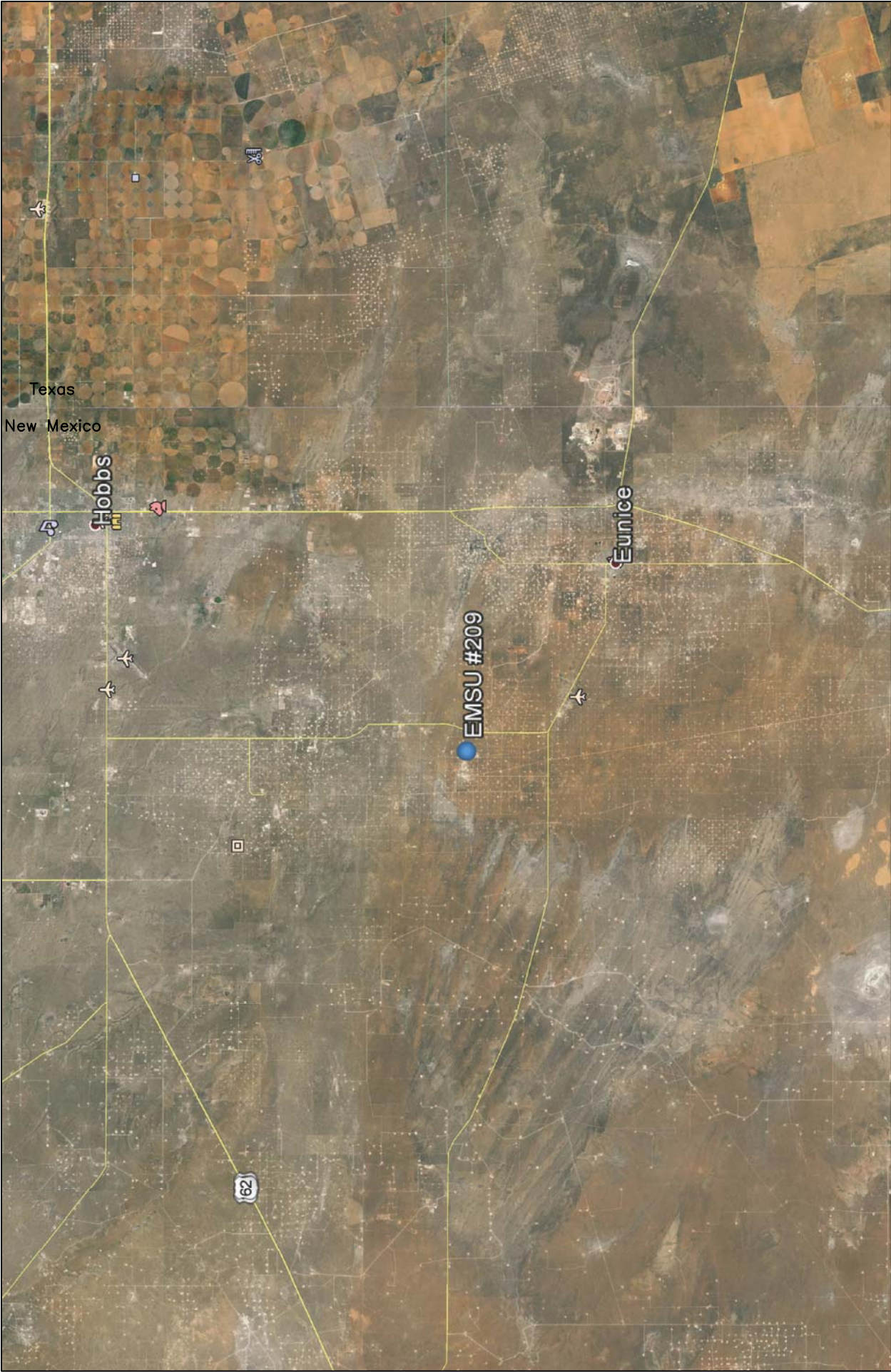


Figure 1 Area Map XTO Energy EMSU #209	Lea County, New Mexico NW 1/4 of SE 1/4, Sec. 3, T21S, R36E N 32° 30' 48.09" W 103° 16' 20.75" Elevation: 3,563 feet amsl	DWG By: D Dominguez May 2015		REVISED:	
				SHEET 1 of 1	
		 Miles			



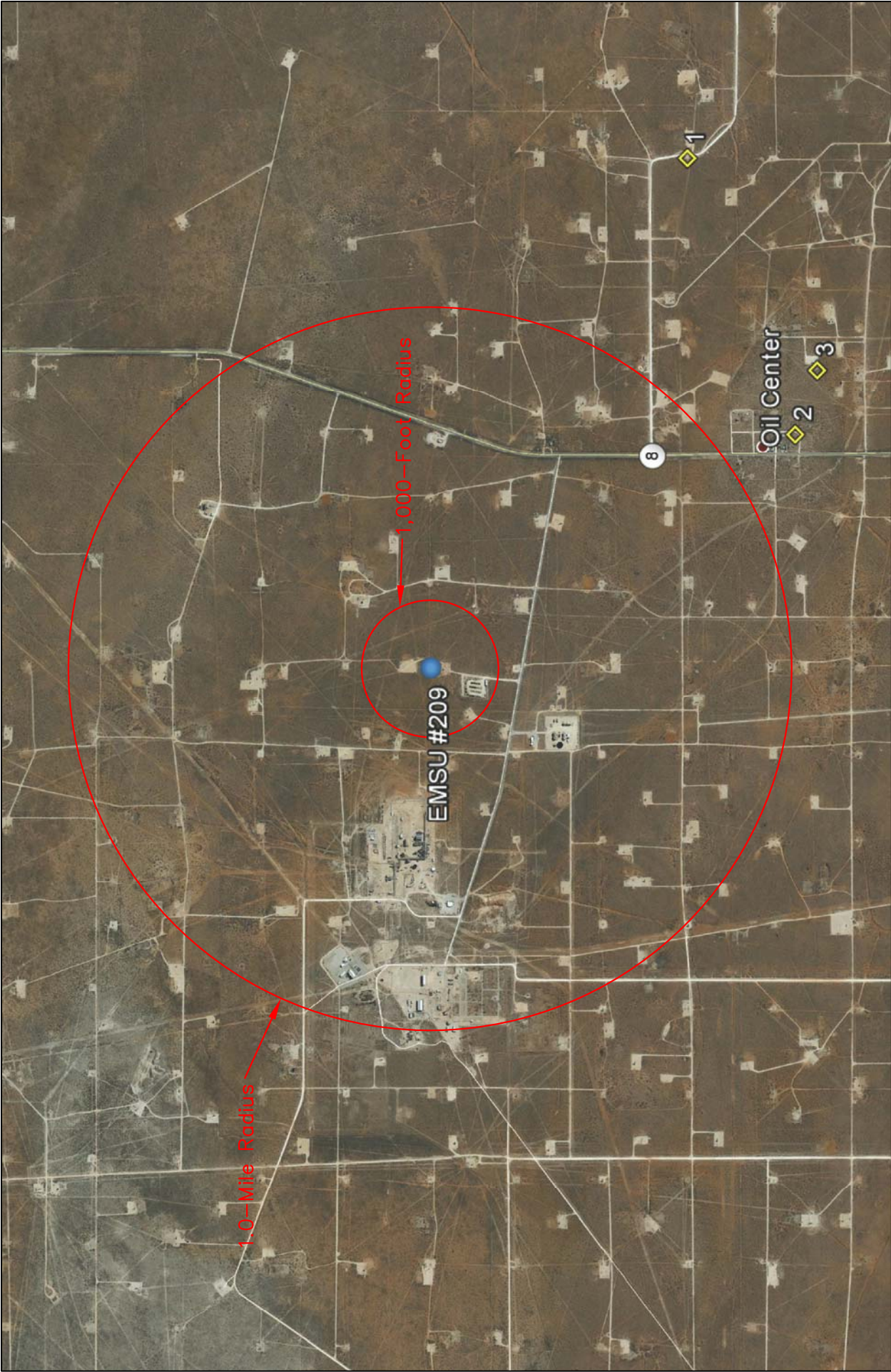


Figure 2 Site Location Map XTO Energy EMSU #209	Lea County, New Mexico NW 1/4 of SE 1/4, Sec. 3, T21S, R36E N 32° 30' 48.09" W 103° 16' 20.75" Elevation: 3,563 feet amsl		DWG By: D Dominguez May 2015		
			REVISED:		
			 0 2,000 4,000 Feet		
				SHEET 1 of 1	



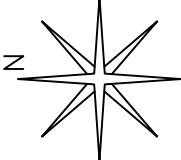


<p>LEGEND</p> <p>XSP1 Sample Location</p>	<div> <div>Figure 3</div> <div>Sample/Site Map</div> <div>XTO Energy</div> <div>EMSU #209</div> </div> <div> <div>Lea County, New Mexico</div> <div>NW 1/4 of SE 1/4, Sec. 3, T21S, R36E</div> <div>N 32° 30' 48.09" W 103° 16' 20.75"</div> <div>Elevation: 3,563 feet amsl</div> </div> <div> <div>DWG By: D Dominguez</div> <div>May 2015</div> </div> <div> <div>REVISED:</div> <div> <div>0</div> <div>110</div> <div>220</div> <div>Feet</div> </div> <div> <div>SHEET</div> <div>1 of 1</div> </div> </div> <div> </div>
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LEGEND

Figure 4 Liner Location Map XTO Energy EMSU #209	Lea County, New Mexico NW 1/4 of SE 1/4, Sec. 3, T21S, R36E N 32° 30' 48.09" W 103° 16' 20.75" Elevation: 3,563 feet amsl	DWG By: D Dominguez May 2015	REVISED: August 2015		
			220	SHEET 1 of 1	

Feet

## **TABLES**



TABLE 1

Well Data**XTO Energy - EMSU #209**

Ref #	Well Number	Use	Diversion <sup>A</sup>	Owner	q64	q16	q4	Sec	Twsp	Rng	Easting	Northing	Date Measured	Surface Elevation <sup>B</sup>	Depth to Water (ft bgs)
1	CP 00690	PRO	0	SUN EXPL. & PROD.		4	4	3	21S	36E	664706	3597487	30-Nov-85	3,554	--
2	CP 00692	DOM	3	W.L. VAN NOY	3	1	1	10	21S	36E	663405	3596961	14-Jan-86	3,596	195
3	CP 00734	DOM	3	W.L. VAN NOY			1	10	21S	36E	663713	3596862	22-Jun-88	3,604	200

\* = Data obtained from the New Mexico Office of the State Engineer Website ([http://iwaters.ose.state.nm.us:7001/iWATERS/wr\\_RegisServlet1](http://iwaters.ose.state.nm.us:7001/iWATERS/wr_RegisServlet1)) and USGS Database

<sup>A</sup> = In acre feet per annum

<sup>B</sup> = Elevation interpolated from USGS topographical map based on referenced location.

PRO = 72-12-1 Prospecting or development of Natural Resource

DOM = 72-12-1 Domestic one household

quarters are 1=NW, 2=NE, 3=SW, 4=SE; quarters are smallest to biggest

-- = Data not provided on the NM iwaters website

**TABLE 2**  
**Summary of Soil Sample Field Testing and Laboratory Analytical Results**  
**XTO Energy**  
**EMSU #209**

Lab Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SP1	Surface	Excavated	03-Apr-15	--	184	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	52	52	<b>1,070</b>
	1	Excavated	03-Apr-15	--	880	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	288
	18	In Situ	03-Apr-15	--	2,800	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<b>2,160</b>
	25	In Situ	03-Apr-15	--	1,760	<0.050	0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<b>1,170</b>
	28	In Situ	03-Apr-15	--	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	224
SP2	4	In Situ	03-Apr-15	--	480	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,160	1,160	208
	5	In Situ	03-Apr-15	--	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	851	851	<16.0
SP3	Surface	Excavated	03-Apr-15	--	800	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	170	170	432
	1	In Situ	03-Apr-15	--	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
NMOCD Recommended Remedial Action Levels				100		10				50			5,000	1,000

-- = Not Analyzed

**Bold** values are in excess of NMOCD Recommended Remedial Action Levels

Shaded values indicates soil has been excavated



## **ATTACHMENTS**

**ATTACHMENT I**  
**Photographs**





Photograph #1 – Looking across release area



Photograph #2 – Looking across release area





Photograph #3 – Looking across release area



Photograph #4 – Looking across release area





Photograph #5 – Looking across release area



Photograph #6 – Excavated area



Photograph #7 – Excavated area



Photograph #8 – Excavated area





Photograph #9 – Installation of liner



Photograph #10 – Backfilled





Photograph #11 – Backfilled



Photograph #12 – Backfilled

**ATTACHMENT II**  
**Laboratory Analytical Results**

April 13, 2015

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: EMSU #209

Enclosed are the results of analyses for samples received by the laboratory on 04/06/15 15:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager



**Analytical Results For:**

Environmental Plus, Inc.  
Daniel Dominguez  
P.O. Box 1558  
Eunice NM, 88231  
Fax To: (505) 394-2601

Received:	04/06/2015	Sampling Date:	04/03/2015
Reported:	04/13/2015	Sampling Type:	Soil
Project Name:	EMSU #209	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-J SEC. 3, T21S, R36E		

**Sample ID: SP 1 (SURFACE) (H500909-01)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2015	ND	1.91	95.4	2.00	0.00906	
Toluene*	<0.050	0.050	04/09/2015	ND	1.74	86.8	2.00	0.711	
Ethylbenzene*	<0.050	0.050	04/09/2015	ND	1.70	84.9	2.00	2.43	
Total Xylenes*	<0.150	0.150	04/09/2015	ND	5.35	89.2	6.00	2.87	
Total BTX	<0.300	0.300	04/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	04/08/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/07/2015	ND	183	91.4	200	0.116	
DRO >C10-C28	52.0	10.0	04/07/2015	ND	191	95.4	200	0.113	

Surrogate: 1-Chlorooctane 94.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.9 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Environmental Plus, Inc.  
Daniel Dominguez  
P.O. Box 1558  
Eunice NM, 88231  
Fax To: (505) 394-2601

Received: 04/06/2015  
Reported: 04/13/2015  
Project Name: EMSU #209  
Project Number: NONE GIVEN  
Project Location: UL-J SEC. 3, T21S, R36E

Sampling Date: 04/03/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 (1') (H500909-02)**

BTX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2015	ND	1.91	95.4	2.00	0.00906	
Toluene*	<0.050	0.050	04/09/2015	ND	1.74	86.8	2.00	0.711	
Ethylbenzene*	<0.050	0.050	04/09/2015	ND	1.70	84.9	2.00	2.43	
Total Xylenes*	<0.150	0.150	04/09/2015	ND	5.35	89.2	6.00	2.87	
Total BTX	<0.300	0.300	04/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 61-154

Chloride, SM4500CI-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	04/08/2015	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/07/2015	ND	183	91.4	200	0.116	
DRO >C10-C28	<10.0	10.0	04/07/2015	ND	191	95.4	200	0.113	

Surrogate: 1-Chlorooctane 90.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 87.0 % 52.1-176

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Environmental Plus, Inc.  
Daniel Dominguez  
P.O. Box 1558  
Eunice NM, 88231  
Fax To: (505) 394-2601

Received: 04/06/2015  
Reported: 04/13/2015  
Project Name: EMSU #209  
Project Number: NONE GIVEN  
Project Location: UL-J SEC. 3, T21S, R36E

Sampling Date: 04/03/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 (18') (H500909-03)**

BTX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2015	ND	1.91	95.4	2.00	0.00906	
Toluene*	<0.050	0.050	04/09/2015	ND	1.74	86.8	2.00	0.711	
Ethylbenzene*	<0.050	0.050	04/09/2015	ND	1.70	84.9	2.00	2.43	
Total Xylenes*	<0.150	0.150	04/09/2015	ND	5.35	89.2	6.00	2.87	
Total BTX	<0.300	0.300	04/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 61-154

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	04/08/2015	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/07/2015	ND	183	91.4	200	0.116	
DRO >C10-C28	<10.0	10.0	04/07/2015	ND	191	95.4	200	0.113	

Surrogate: 1-Chlorooctane 80.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 83.5 % 52.1-176

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Daniel Dominguez  
P.O. Box 1558  
Eunice NM, 88231  
Fax To: (505) 394-2601

Received: 04/06/2015  
Reported: 04/13/2015  
Project Name: EMSU #209  
Project Number: NONE GIVEN  
Project Location: UL-J SEC. 3, T21S, R36E

Sampling Date: 04/03/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 (25') (H500909-04)**

BTX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2015	ND	1.91	95.4	2.00	0.00906	
Toluene*	<0.050	0.050	04/09/2015	ND	1.74	86.8	2.00	0.711	
Ethylbenzene*	<0.050	0.050	04/09/2015	ND	1.70	84.9	2.00	2.43	
Total Xylenes*	<0.150	0.150	04/09/2015	ND	5.35	89.2	6.00	2.87	
Total BTX	<0.300	0.300	04/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 61-154

Chloride, SM4500CI-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	04/08/2015	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/07/2015	ND	183	91.4	200	0.116	
DRO >C10-C28	<10.0	10.0	04/07/2015	ND	191	95.4	200	0.113	

Surrogate: 1-Chlorooctane 86.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 87.2 % 52.1-176

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\*=Accredited Analyte

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Received: 04/06/2015  
Reported: 04/13/2015  
Project Name: EMSU #209  
Project Number: NONE GIVEN  
Project Location: UL-J SEC. 3, T21S, R36E

Sampling Date: 04/03/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 (28') (H500909-05)**

BTX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2015	ND	1.91	95.4	2.00	0.00906	
Toluene*	<0.050	0.050	04/10/2015	ND	1.74	86.8	2.00	0.711	
Ethylbenzene*	<0.050	0.050	04/10/2015	ND	1.70	84.9	2.00	2.43	
Total Xylenes*	<0.150	0.150	04/10/2015	ND	5.35	89.2	6.00	2.87	
Total BTX	<0.300	0.300	04/10/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 61-154

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	04/08/2015	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/07/2015	ND	183	91.4	200	0.116	
DRO >C10-C28	<10.0	10.0	04/07/2015	ND	191	95.4	200	0.113	

Surrogate: 1-Chlorooctane 93.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.1 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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 Received: 04/06/2015  
 Reported: 04/13/2015  
 Project Name: EMSU #209  
 Project Number: NONE GIVEN  
 Project Location: UL-J SEC. 3, T21S, R36E

 Sampling Date: 04/03/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 2 (4') (H500909-06)**

BTX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2015	ND	1.91	95.4	2.00	0.00906	
Toluene*	<0.050	0.050	04/10/2015	ND	1.74	86.8	2.00	0.711	
Ethylbenzene*	<0.050	0.050	04/10/2015	ND	1.70	84.9	2.00	2.43	
Total Xylenes*	<0.150	0.150	04/10/2015	ND	5.35	89.2	6.00	2.87	
Total BTX	<0.300	0.300	04/10/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 61-154

Chloride, SM4500CI-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	04/08/2015	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	04/07/2015	ND	183	91.4	200	0.116	
DRO >C10-C28	1160	50.0	04/07/2015	ND	191	95.4	200	0.113	

Surrogate: 1-Chlorooctane 88.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 124 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

Environmental Plus, Inc.  
Daniel Dominguez  
P.O. Box 1558  
Eunice NM, 88231  
Fax To: (505) 394-2601

Received: 04/06/2015  
Reported: 04/13/2015  
Project Name: EMSU #209  
Project Number: NONE GIVEN  
Project Location: UL-J SEC. 3, T21S, R36E

Sampling Date: 04/03/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 (5') (H500909-07)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2015	ND	1.91	95.4	2.00	0.00906	
Toluene*	<0.050	0.050	04/10/2015	ND	1.74	86.8	2.00	0.711	
Ethylbenzene*	<0.050	0.050	04/10/2015	ND	1.70	84.9	2.00	2.43	
Total Xylenes*	<0.150	0.150	04/10/2015	ND	5.35	89.2	6.00	2.87	
Total BTX	<0.300	0.300	04/10/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/08/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	04/07/2015	ND	183	91.4	200	0.116	
DRO >C10-C28	851	50.0	04/07/2015	ND	191	95.4	200	0.113	

Surrogate: 1-Chlorooctane 88.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 118 % 52.1-176

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Environmental Plus, Inc.  
Daniel Dominguez  
P.O. Box 1558  
Eunice NM, 88231  
Fax To: (505) 394-2601

Received:	04/06/2015	Sampling Date:	04/03/2015
Reported:	04/13/2015	Sampling Type:	Soil
Project Name:	EMSU #209	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-J SEC. 3, T21S, R36E		

**Sample ID: SP 3 (SURFACE) (H500909-08)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2015	ND	1.91	95.4	2.00	0.00906	
Toluene*	<0.050	0.050	04/10/2015	ND	1.74	86.8	2.00	0.711	
Ethylbenzene*	<0.050	0.050	04/10/2015	ND	1.70	84.9	2.00	2.43	
Total Xylenes*	<0.150	0.150	04/10/2015	ND	5.35	89.2	6.00	2.87	
Total BTX	<0.300	0.300	04/10/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	04/08/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/07/2015	ND	183	91.4	200	0.116	
DRO >C10-C28	170	10.0	04/07/2015	ND	191	95.4	200	0.113	

Surrogate: 1-Chlorooctane 86.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 88.8 % 52.1-176

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Environmental Plus, Inc.  
Daniel Dominguez  
P.O. Box 1558  
Eunice NM, 88231  
Fax To: (505) 394-2601

Received: 04/06/2015  
Reported: 04/13/2015  
Project Name: EMSU #209  
Project Number: NONE GIVEN  
Project Location: UL-J SEC. 3, T21S, R36E

Sampling Date: 04/03/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 (1') (H500909-09)**

BTX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2015	ND	1.91	95.4	2.00	0.00906	
Toluene*	<0.050	0.050	04/10/2015	ND	1.74	86.8	2.00	0.711	
Ethylbenzene*	<0.050	0.050	04/10/2015	ND	1.70	84.9	2.00	2.43	
Total Xylenes*	<0.150	0.150	04/10/2015	ND	5.35	89.2	6.00	2.87	
Total BTX	<0.300	0.300	04/10/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 61-154

Chloride, SM4500CI-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/08/2015	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/07/2015	ND	183	91.4	200	0.116	
DRO >C10-C28	<10.0	10.0	04/07/2015	ND	191	95.4	200	0.113	

Surrogate: 1-Chlorooctane 88.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 87.8 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

# Environmental Plus, Inc.

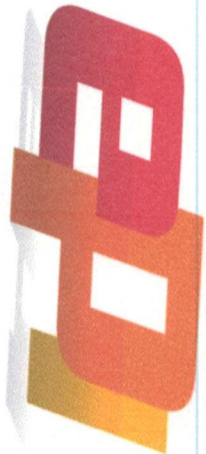
2100 Avenue O, Eunice, NM 88231  
(575) 394-3481 FAX: (575) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB Cardinal

Company Name: Environmental Plus, Inc.  
EPI Project Manager: Daniel Dominguez  
Mailing Address: P.O. BOX 1558  
City, State, Zip: Eunice New Mexico 88231  
EPI Phone/Fax#: 575-394-3481 / 575-394-2601  
Client Company: XTO  
Facility Name: EMSU #209  
Location: UL-J Sec. 3, T21S, R36E  
Project Reference: Dustin Crockett  
EPI Sampler Name: Dustin Crockett



Attn: Daniel Dominguez  
P.O. Box 1558  
Eunice, NM 88231

Bill To


ANALYSIS REQUEST

City, State, Zip		Eunice New Mexico 88231	
EPI Phone#/Fax#		575-394-3481 / 575-394-2601	
Client Company		XTO	
Facility Name		EMSU #209	
Location		UL-J Sec. 3, T21S, R36E	
Project Reference			
EPI Sampler Name		Dustin Crockett	

Attn: Daniel Dominguez

P.O. Box 1558

Eunice, NM 88231



LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV.	SAMPLING																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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Sampler Relinquished:  
Relinquished by: [Signature]  
Date: 4/16/15  
Time: 3:20pm

Received By: [Signature]  
Date: 4/16/15  
Time: 3:20pm

Received By: (lab staff)  
Date: 4/16/15  
Time: 3:20pm

Sample Cobi & Intact  
Yes No

Checked By: [Signature]  
E-mail results to: ddominguezepi@gmail.com & john\_robinson@xtoenergy.com  
NOTES:

**ATTACHMENT III**  
**Copy of Initial NMOCD Form C-141**  
**Final C-141**



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**

X Initial Report ☐ Final Report

Name of Company	XTO Energy Inc.	Contact	John Robinson
Address	P.O. Box 700 Eunice, N.M. 88231	Telephone No.	575-441-5199
Facility Name	EMSU 209	Facility Type	Producing well
Surface Owner	Millard Deck Estate	Mineral Owner	State
		API No.	30-025-04473

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	3	21S	36E	3233	NORTH	1980	EAST	LEA

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

**NATURE OF RELEASE**

Type of Release	Oil And Produced Water	Volume of Release	3 Oil 97 produced water	Volume Recovered	2 oil 73 water
Source of Release	Flow line	Date and Hour of Occurrence	March 1 <sup>st</sup>	Date and Hour of Discovery	March 1 <sup>st</sup> 10:00 am
Was Immediate Notice Given?	<input type="checkbox"/> Yes X No <input type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?		Date and Hour			
Was a Watercourse Reached?	<input type="checkbox"/> Yes X No	If YES, Volume Impacting the Watercourse.			
If a Watercourse was Impacted, Describe Fully.*					

**RECEIVED**

By OCD District 1 at 10:26 am, May 28, 2015

Describe Cause of Problem and Remedial Action Taken.\*

Corrosion in flow line. Had truck suck up all fluid possible and wait for ocd to tell us what to do.

Describe Area Affected and Cleanup Action Taken.\*

Pad area and some pasture and caliche road were affected. No cleanup action taken till ocd lets us know what to do.

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: *John Robinson*

Printed Name: John Robinson

Title: Maintenance Foreman

E-mail Address: john\_robinson@xtoenergy.com

Date: 3-3-15

Phone: 575-441-5199

Approved by Environmental Specialist: *[Signature]*

Approval Date: 05/28/2015

Expiration Date: 08/28/2015

Conditions of Approval:  
Site samples required. Delineate and  
remediate as per MNOCD guides. Geotag  
photographs of remediation required.

Attached ☐ 5380  
1RP-3651

\* Attach Additional Sheets If Necessary

nKJ1514839370  
pKJ1514839803

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	Contact: John Robinson
Address: P.O. Box 700 Eunice NM 88231	Telephone No. 575-441-5199
Facility Name: EMSU #209; 1RP# 3651	Facility Type: producing well

Surface Owner:	Mineral Owner: State	API No. 30-025-04473
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### LOCATION OF RELEASE

Unit Letter J	Section 3	Township 21S	Range 36E	Feet from the 3323	North/South Line North	Feet from the 1980	East/West Line East	County Lea
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Latitude: N 32.513483° Longitude: W 103.272427°

### NATURE OF RELEASE

Type of Release: oil and produced water	Volume of Release: 3 oil 97 produced water	Volume Recovered: 2 oil 73 water
Source of Release: Flow line	Date and Hour of Occurrence: 3/1/15 @ approx. 10:00 am	Date and Hour of Discovery: 3/1/15 @ approx. 10:00 am
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour of Occurrence:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume of Release: Not Applicable	

**RECEIVED**

By OCD District 1 at 12:46 pm, Aug 31, 2015

**APPROVED**

By OCD District 1 at 12:46 pm, Aug 31, 2015

If a Watercourse was Impacted, Describe Fully.\* Not Applicable

Describe Cause of Problem and Remedial Action Taken.\*  
Corrosion in flow line. Had a vacuum truck suck up all fluid possible.

Describe Area Affected and Cleanup Action Taken.\*  
Pad area and some pasture and caliche road were affected. Samples were collected and sent to the lab for analysis. Based on laboratory analytical data the release area was excavated; contaminated soil was hauled to a state approved facility for disposal. With NMOCD approval the excavation was partially lined with 20 mil poly liner and then backfilled with clean soil.

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 Environmental Specialist: <i>Janet Rhyer</i>		
Printed Name: John Robinson			
Title: Maintenance Foreman	Approval Date: 08/31/2015	Expiration Date: ///	
E-mail Address: john_robinson@xtoenergy.com	Conditions of Approval: Ensure BLM concurrence/approval.		Attached <input type="checkbox"/> 1RP 3651
Date: Phone: 575-441-5199			

\* Attach Additional Sheets If Necessary