



ENVIRONMENTAL PLUS, INC.
CONSULTING AND ENVIRONMENTAL REMEDIATION

7 January 2014

HOBBS OCD

Mr. Geoff Leking
Environmental Engineer
NMOCD
1625 North French Drive
Hobbs, New Mexico 88240

JAN 14 2014

RECEIVED

RE: Remediation Progress Report and Closure Proposal
XTO Energy – JL Greenwood #13
UL-K, Section 9, Township 22 South, Range 37 East
Lea County, New Mexico

Mr. Leking:

The following *Remediation Progress Report* and closure proposal for the above referenced site.

APPROVED PER ADDRESSING OF
COMMENTS 1/23/14

RETRY SENDING TO ANY LAST
CORRECT EMAIL ADDRESS

1 update

Remediation Progress:

Throughout the month of November approximately 826 cubic yards of contaminated material were excavated and transported to Sundance Services for disposal. In general the excavation is void of BTEX, TPH and Chloride concentrations in excess of NMOCD Remedial Threshold Goals (NMOCD Goals) of 50 mg/Kg, 100 mg/Kg and 500 mg/Kg, respectively. At the conclusion of excavation activities three (3) soil samples were collected and sent to Cardinal Labs for testing. Laboratory analytical results indicate a small section of the eastern end of excavation bottom still contains TPH concentration above NMOCD Goals. Sample SP 1 @ five (5) feet deep results indicates TPH at 165 mg/Kg (reference *Figure 5* and *Table 2*). The area was not excavated while awaiting lab analytical results on samples collected when excavation activities ended.

Closure Proposal:

East end of the excavation bottom will be thoroughly sprayed with a six (6) percent Micro-Blaze solution and allowed to remain overnight. This will aid dissipation of TPH concentrations which remain in the east end of the excavation. A second coat of Micro-Blaze solution will be sprayed over the east end excavation bottom the following day with backfill activities commencing immediately.

Backfilling will continue until the entire excavation is closed. Upon completion of backfill activities, the entire disturbed area will be contoured to blend with existing pasture area and protected against wind/water erosion. Disturbed areas will be disced and deep drill seeded with a mixture approved by the property owner. However, it is recommended completing this activity in late spring 2014 when ground conditions are more conducive to vegetative growth.

Following completion of remediation activities, EPI will provide a detailed *Final Closure Report* to XTO Energy and NMOCD personnel.

D+W = 83'



XTO Energy and EPI personnel would welcome an opportunity to briefly discuss the *Closure Proposal* at your earliest convenience. However, 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 or Mr. Guy Pearce at (575) 441-2965 or via e-mail at guy_pearce@xtoenergy.com. All official communication should be addressed to:

Mr. Guy Pearce
XTO Energy
P.O. Box 700
Eunice, New Mexico 88231

Sincerely,

ENVIRONMENTAL PLUS, INC.

Daniel Dominguez
Environmental Consultant

cc: Guy Pearce, Production Foreman – XTO Energy
Charlie Bettis, Landowner, Eunice, NM
File

Encl.: Figure 1 – Area Map
Figure 2 – Site Location Map
Figure 3 – Site Map
Figure 4 – Sample Map 11/11/13
Figure 5 – Sample Map 11/22/13
Table 1 – Well Data
Table 2 – Summary of Test Trench and Soil Sample Laboratory Analytical Results
Attachment I – Photographs
Attachment II – Laboratory Analytical Results
Attachment III – Copy of Initial NMOCD Form C-141

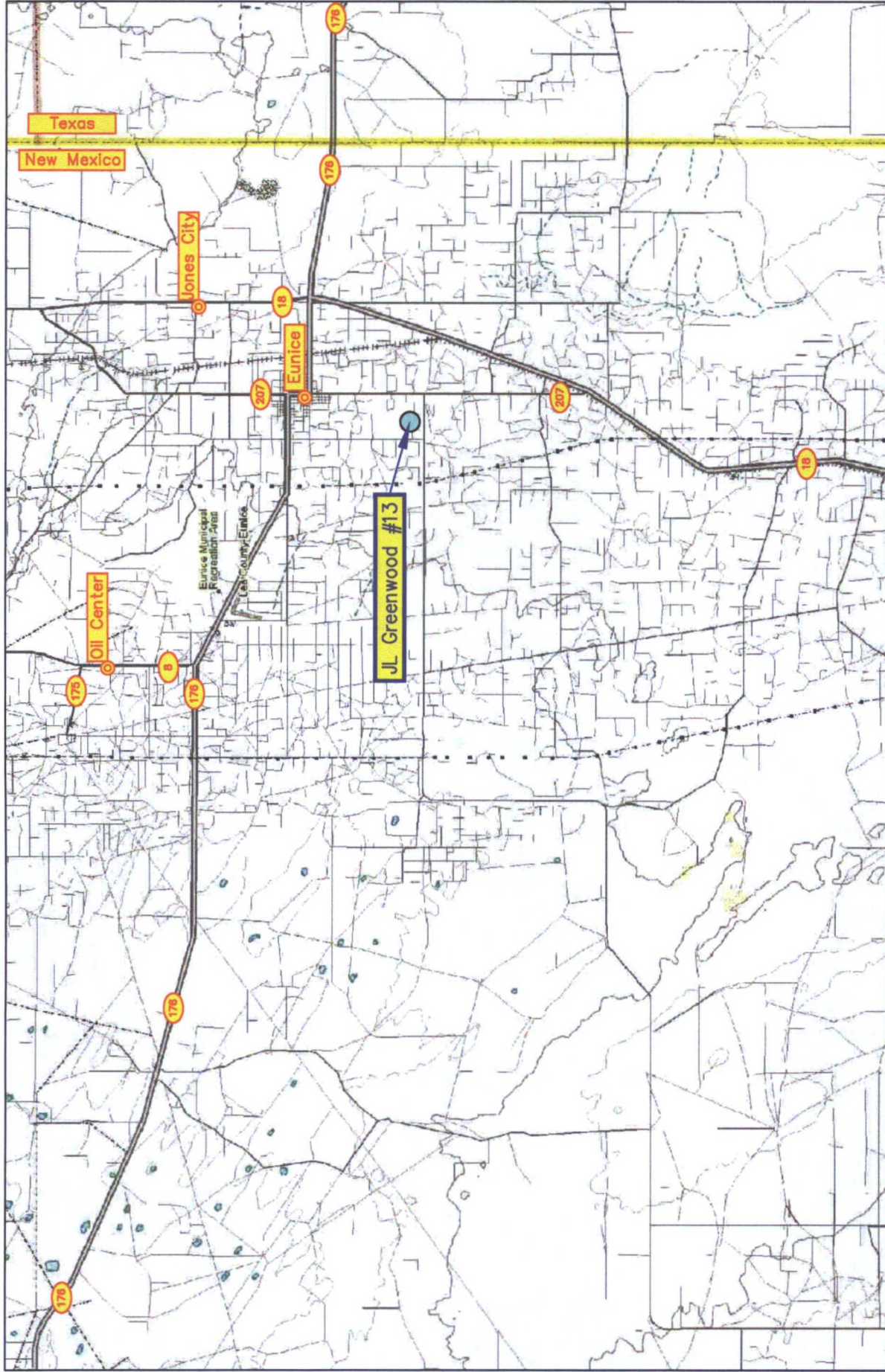


Figure 1
Area Map
XTO Energy
JL Greenwood #13

Lea County, New Mexico
NE 1/4 of SW 1/4, Sec. 9, T22S, R37E
N 32° 24' 12.06" W 103° 10' 09.76"
Elevation: 3,412 feet amsl

DWG By: D Dominguez
October 2013

REVISED:

0 3 6
Miles

SHEET
1 of 1



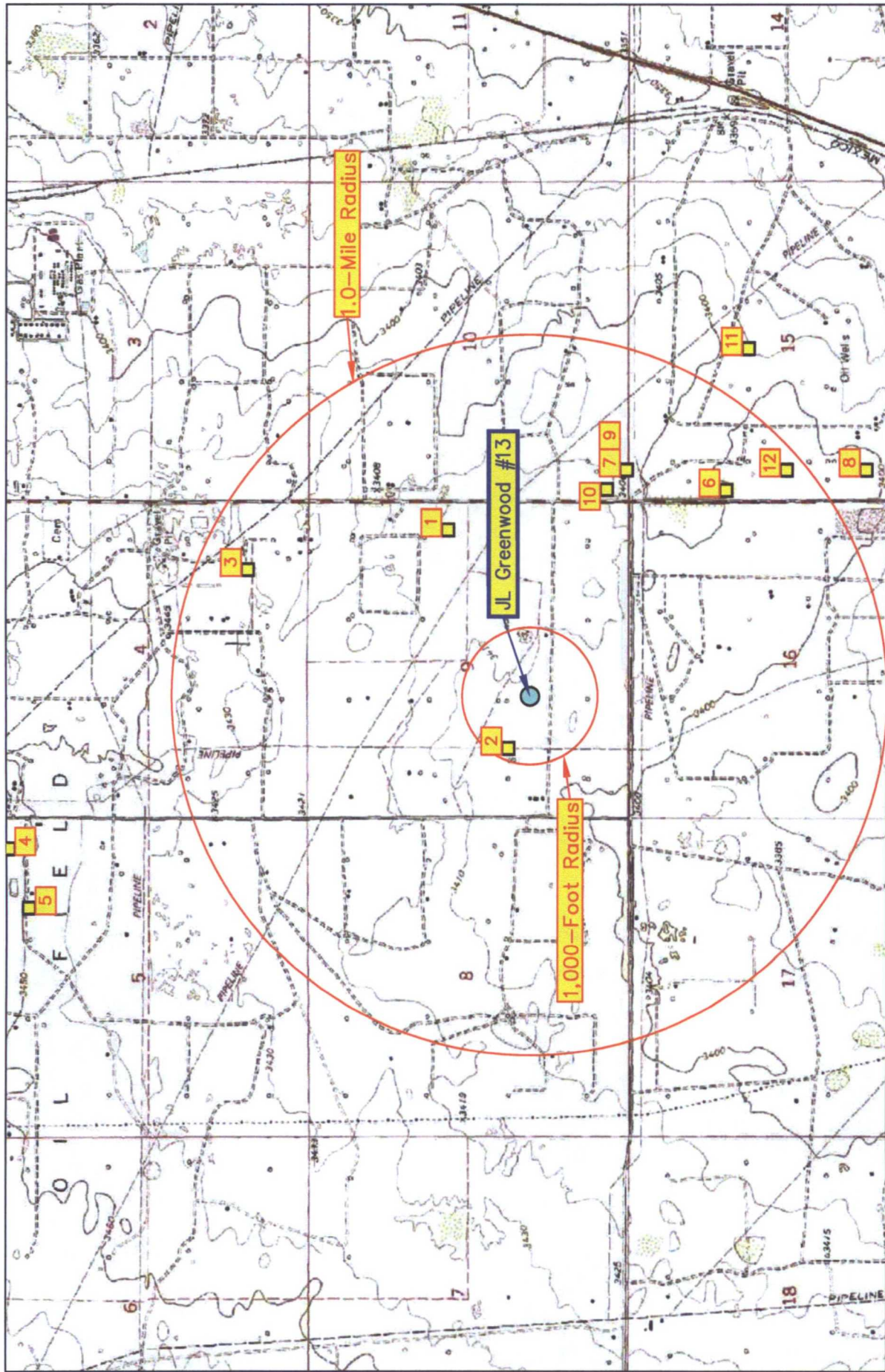


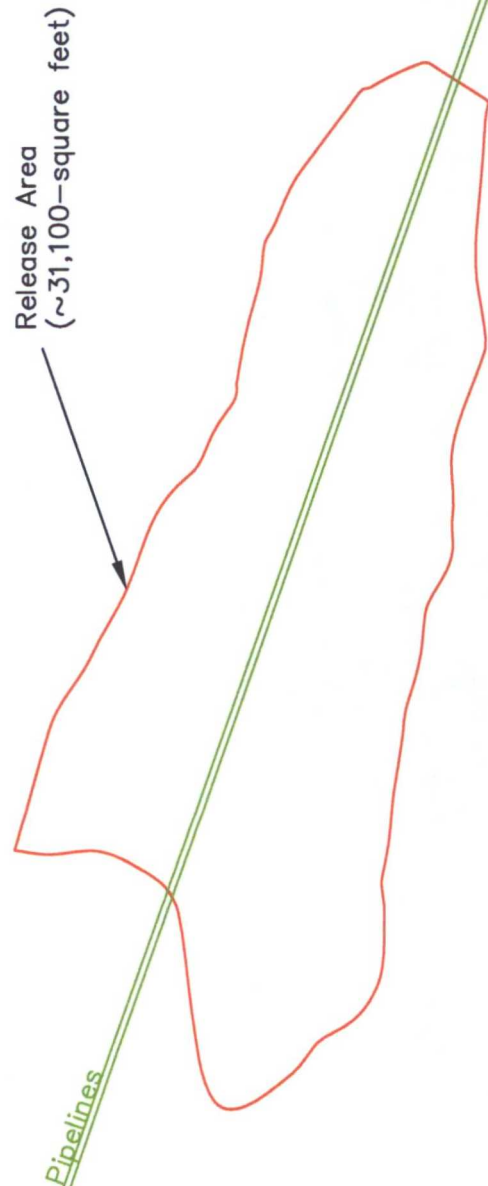
Figure 2
Site Location Map
XTO Energy
JL Greenwood #13

Lea County, New Mexico
NE 1/4 of SW 1/4, Sec. 9, T22S, R37E
N 32° 24' 12.06" W 103° 10' 09.76"
Elevation: 3,412 feet amsl

DWG By: D Dominguez
October 2013

REVISED:





LEGEND



REVISED:

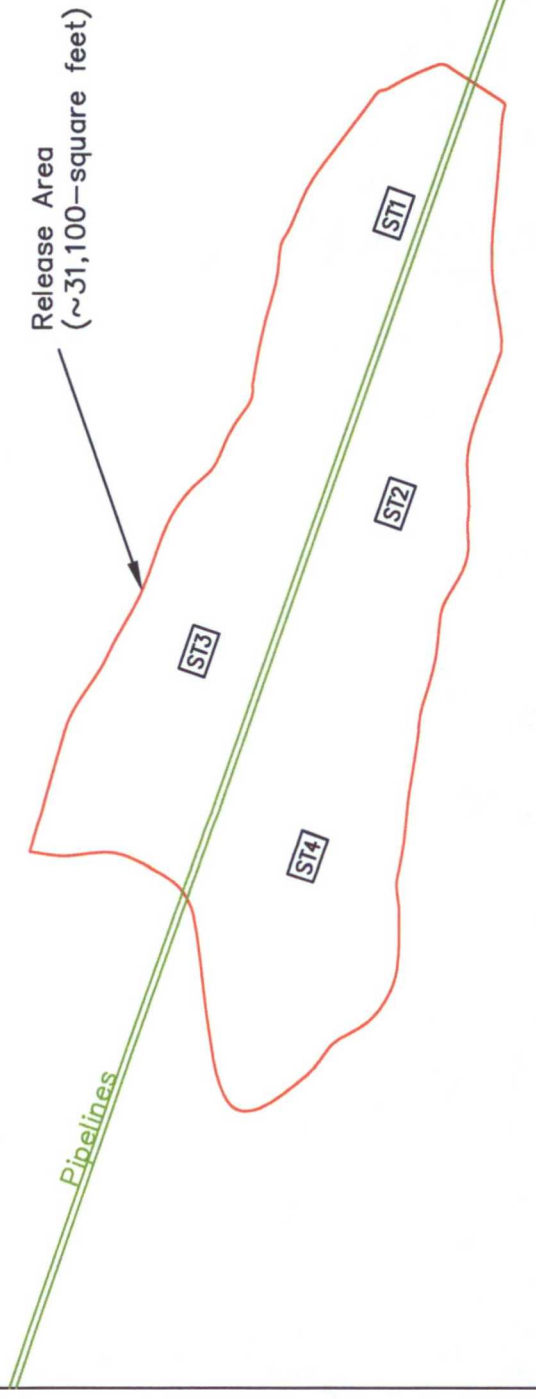
120
SHEET
1 of 1

DWG By: D Dominguez
October 2013



Lea County, New Mexico
NE 1/4 of SW 1/4, Sec. 9, T22S, R37E
N 32° 24' 12.06" W 103° 10' 09.76"
Elevation: 3,412 feet amsl

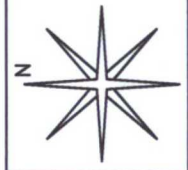
Figure 3
Site Map
XTO Energy
JL Greenwood #13



LEGEND

Sample Trench

Sample Point



REVISED:
Nov 2013

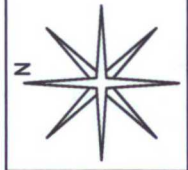
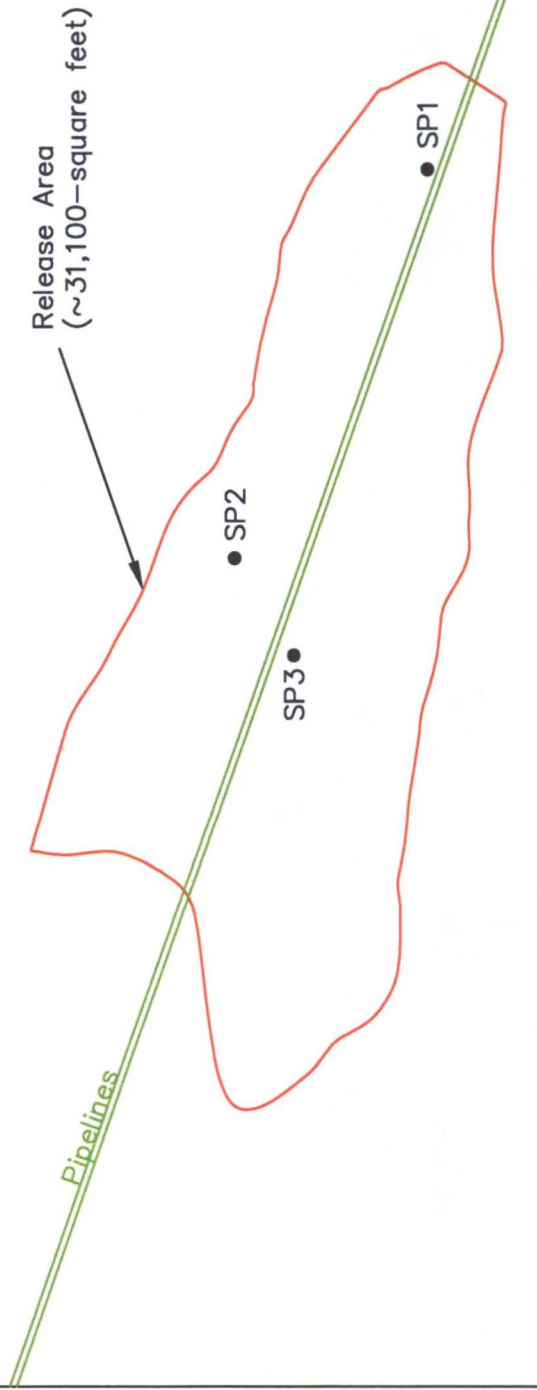
SHEET
1 of 1

DWG By: D Dominguez
October 2013

0 60 120
Feet

Lea County, New Mexico
NE 1/4 of SW 1/4, Sec. 9, T22S, R37E
N 32° 24' 12.06" W 103° 10' 09.76"
Elevation: 3,412 feet amsl

Figure 4
Sample Map 11/11/13
XTO Energy
JL Greenwood #13



REVISED:
Nov 2013

120
SHEET
1 of 1

DWG By: D Dominguez
October 2013

0 60 120
Feet

Lea County, New Mexico
NE 1/4 of SW 1/4, Sec. 9, T22S, R37E
N 32° 24' 12.06" W 103° 10' 09.76"
Elevation: 3,412 feet amsl

Figure 5
Sample Map 11/22/13
XTO Energy
JL Greenwood #13

TABLE 1

Well Data

XTO Energy - JL Greenwood #13

Ref #	Well Number	Diversion ^A	Owner	Use	Twsp	Rng	Sec	q64	q16	q4	Easting	Northing	Date Measured	Surface Elevation ^B	Depth to Water (ft bgs)
1	CP 00756	3	CHARLIE BETTIS	DOL	22S	37E	9	2	2	4	672999	3586863	30-Oct-90	3,415	85
2	CP 00871	3	BARBARA TRULL	DOM	22S	37E	9			3	671902	3586541	29-Sep-97	3,408	94
3	CP 00422	3	PRISCILLA B MOODY	STK	22S	37E	4	3	4	4	672777	3587870	25-Mar-67	3,430	92
4	CP 00481	3	NIX OSBORN	DOM	22S	37E	5	4	2	2	671349	3589047	11-Apr-70	3,451	90
5	CP 00666	3	LARRY HENSON	DOM	22S	37E	5			2	671055	3588939	27-Aug-84	3,450	79
6	CP 00662	3	GEORGE L SCHELLER	DOL	22S	37E	15	3	3	1	673223	3585464	20-Jul-83	3,400	150
7	CP 00674	3	WARREN HUGHES	DOM	22S	37E	15		1	1	673316	3585967	27-Mar-85	3,406	75
8	CP 00679	3	FRED FERBRACHE	DOM	22S	37E	15		3	3	673338	3584760	20-May-85	3,400	98
9	CP 00684	3	WARREN HUGHES	MUL	22S	37E	15		1	1	673316	3585967	01-Aug-85	3,406	180
10	CP 00699	3	MARTIN CARRASCO	DOM	22S	37E	15	1	1	1	673215	3586066	02-Jun-86	3,410	100
11	CP 00708	3	ROBERT A. CUETO	DOL	22S	37E	15				673941	3585363	15-Apr-87	3,390	185
12	CP 00709	3	JAMES D. SMITH	DOM	22S	37E	15		1	3	673331	3585163	29-Apr-87	3,405	87

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

^A = In acre feet per annum

^B = Elevation interpolated from USGS topographical map based on referenced location.

DOL = 72-12-1 Domestic and Livestock watering

DOM = 72-12-1 Domestic one household

STK = 72-12-1 Livestock watering

MUL = 72-12-1 Multiple domestic households

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

TABLE 2

Summary of Test Trench and Soil Sample Laboratory Analytical Results

XTO Energy

JL Greenwood #13

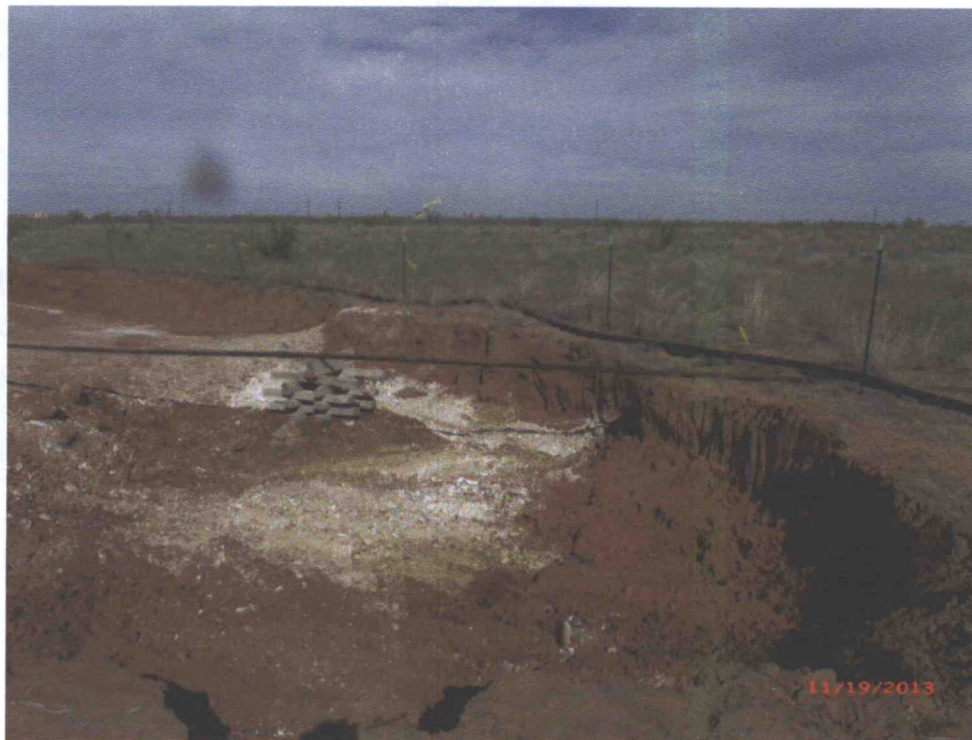
Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
Background	1	In Situ	11-Nov-13	--	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
ST 1	4	Excavated	11-Nov-13	--	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
ST 1	6	In Situ	11-Nov-13	--	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	36.4	36.4	<16.0
ST 2	4	Excavated	11-Nov-13	--	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	133	133	<16.0
ST 2	6	In Situ	11-Nov-13	--	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
ST 3	4	In Situ	11-Nov-13	--	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
ST 3	6	In Situ	11-Nov-13	--	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.3	18.3	<16.0
ST 4	4	In Situ	11-Nov-13	--	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
ST 4	6	In Situ	11-Nov-13	--	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
SP 1	5	In Situ	22-Nov-13	--	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	165	165	<16.0
SP 2	2	In Situ	22-Nov-13	--	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
SP 3	3	In Situ	22-Nov-13	--	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
NMOCD Remedial Thresholds				100		10				50			100	500

-- = Not Analyzed

Bold values are in excess of NMOCD Remediation Threshold Goals



Photograph #1 – Looking west across excavation



Photograph #2 – Looking north across excavation



Photograph #3 – Looking east across excavation



Photograph #4 – Looking toward location of SP 1 and area to be sprayed with Micro-Blaze

November 19, 2013

Daniel Dominguez
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

RE: JL GREENWOOD #13

Enclosed are the results of analyses for samples received by the laboratory on 11/11/13 15:40.

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.

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: 11/11/2013
Reported: 11/19/2013
Project Name: JL GREENWOOD #13
Project Number: NONE GIVEN
Project Location: UL-K SEC. 9, T22S, R37E

Sampling Date: 11/11/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BACKGROUND (H302745-01)

BTEX 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	11/14/2013	ND	1.75	87.5	2.00	13.2	
Toluene*	<0.050	0.050	11/14/2013	ND	1.75	87.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	11/14/2013	ND	1.74	87.1	2.00	13.2	
Total Xylenes*	<0.150	0.150	11/14/2013	ND	5.12	85.3	6.00	12.7	
Total BTEX	<0.300	0.300	11/14/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 89.4-126

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	11/14/2013	ND	400	100	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	11/13/2013	ND	197	98.6	200	7.27	
DRO >C10-C28	<10.0	10.0	11/13/2013	ND	188	94.0	200	9.72	

Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 119 % 63.6-154

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: 11/11/2013
Reported: 11/19/2013
Project Name: JL GREENWOOD #13
Project Number: NONE GIVEN
Project Location: UL-K SEC. 9, T22S, R37E

Sampling Date: 11/11/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: ST 1 (4') (H302745-02)

BTEX 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	11/14/2013	ND	1.75	87.5	2.00	13.2	
Toluene*	<0.050	0.050	11/14/2013	ND	1.75	87.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	11/14/2013	ND	1.74	87.1	2.00	13.2	
Total Xylenes*	<0.150	0.150	11/14/2013	ND	5.12	85.3	6.00	12.7	
Total BTEX	<0.300	0.300	11/14/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 109 % 89.4-126

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	11/14/2013	ND	400	100	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	11/13/2013	ND	197	98.6	200	7.27	
DRO >C10-C28	198	10.0	11/13/2013	ND	188	94.0	200	9.72	

Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 129 % 63.6-154

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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: 11/11/2013
Reported: 11/19/2013
Project Name: JL GREENWOOD #13
Project Number: NONE GIVEN
Project Location: UL-K SEC. 9, T22S, R37E

Sampling Date: 11/11/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: ST 1 (6') (H302745-03)

BTEX 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	11/18/2013	ND	1.98	99.2	2.00	5.01	
Toluene*	<0.050	0.050	11/18/2013	ND	1.96	98.2	2.00	5.59	
Ethylbenzene*	<0.050	0.050	11/18/2013	ND	1.95	97.4	2.00	5.81	
Total Xylenes*	<0.150	0.150	11/18/2013	ND	5.71	95.2	6.00	5.49	
Total BTEX	<0.300	0.300	11/18/2013	ND					

Surrogate: 4-Bromofluorobenzene (PII) 109 % 89.4-126

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	11/14/2013	ND	400	100	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	11/13/2013	ND	197	98.6	200	7.27	
DRO >C10-C28	36.4	10.0	11/13/2013	ND	188	94.0	200	9.72	

Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 118 % 63.6-154

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*=Accredited Analyte

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

Received: 11/11/2013
Reported: 11/19/2013
Project Name: JL GREENWOOD #13
Project Number: NONE GIVEN
Project Location: UL-K SEC. 9, T22S, R37E

Sampling Date: 11/11/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: ST 2 (4') (H302745-04)

BTEX 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	11/18/2013	ND	1.98	99.2	2.00	5.01	
Toluene*	<0.050	0.050	11/18/2013	ND	1.96	98.2	2.00	5.59	
Ethylbenzene*	<0.050	0.050	11/18/2013	ND	1.95	97.4	2.00	5.81	
Total Xylenes*	<0.150	0.150	11/18/2013	ND	5.71	95.2	6.00	5.49	
Total BTEX	<0.300	0.300	11/18/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 108 % 89.4-126

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	11/14/2013	ND	400	100	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	11/13/2013	ND	197	98.6	200	7.27	
DRO >C10-C28	133	10.0	11/13/2013	ND	188	94.0	200	9.72	

Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 124 % 63.6-154

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Fax To: (505) 394-2601

Received: 11/11/2013
Reported: 11/19/2013
Project Name: JL GREENWOOD #13
Project Number: NONE GIVEN
Project Location: UL-K SEC. 9, T22S, R37E

Sampling Date: 11/11/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: ST 2 (6') (H302745-05)

BTEX 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	11/19/2013	ND	1.98	99.2	2.00	5.01	
Toluene*	<0.050	0.050	11/19/2013	ND	1.96	98.2	2.00	5.59	
Ethylbenzene*	<0.050	0.050	11/19/2013	ND	1.95	97.4	2.00	5.81	
Total Xylenes*	<0.150	0.150	11/19/2013	ND	5.71	95.2	6.00	5.49	
Total BTEX	<0.300	0.300	11/19/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 112 % 89.4-126

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	11/14/2013	ND	400	100	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	11/13/2013	ND	197	98.6	200	7.27	
DRO >C10-C28	<10.0	10.0	11/13/2013	ND	188	94.0	200	9.72	

Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 126 % 63.6-154

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: 11/11/2013
Reported: 11/19/2013
Project Name: JL GREENWOOD #13
Project Number: NONE GIVEN
Project Location: UL-K SEC. 9, T22S, R37E

Sampling Date: 11/11/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: ST 3 (4') (H302745-06)

BTEX 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	11/18/2013	ND	1.98	99.2	2.00	5.01	
Toluene*	<0.050	0.050	11/18/2013	ND	1.96	98.2	2.00	5.59	
Ethylbenzene*	<0.050	0.050	11/18/2013	ND	1.95	97.4	2.00	5.81	
Total Xylenes*	<0.150	0.150	11/18/2013	ND	5.71	95.2	6.00	5.49	
Total BTEX	<0.300	0.300	11/18/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 89.4-126

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	11/14/2013	ND	400	100	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	11/13/2013	ND	197	98.6	200	7.27	
DRO >C10-C28	<10.0	10.0	11/13/2013	ND	188	94.0	200	9.72	

Surrogate: 1-Chlorooctane 114 % 65.2-140

Surrogate: 1-Chlorooctadecane 122 % 63.6-154

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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: 11/11/2013
Reported: 11/19/2013
Project Name: JL GREENWOOD #13
Project Number: NONE GIVEN
Project Location: UL-K SEC. 9, T22S, R37E

Sampling Date: 11/11/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: ST 3 (6') (H302745-07)

BTEX 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	11/18/2013	ND	1.98	99.2	2.00	5.01	
Toluene*	<0.050	0.050	11/18/2013	ND	1.96	98.2	2.00	5.59	
Ethylbenzene*	<0.050	0.050	11/18/2013	ND	1.95	97.4	2.00	5.81	
Total Xylenes*	<0.150	0.150	11/18/2013	ND	5.71	95.2	6.00	5.49	
Total BTEX	<0.300	0.300	11/18/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 109 % 89.4-126

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	11/14/2013	ND	400	100	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	11/13/2013	ND	217	108	200	4.00	
DRO >C10-C28	18.3	10.0	11/13/2013	ND	215	107	200	6.89	

Surrogate: 1-Chlorooctane 90.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.9 % 63.6-154

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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: 11/11/2013
Reported: 11/19/2013
Project Name: JL GREENWOOD #13
Project Number: NONE GIVEN
Project Location: UL-K SEC. 9, T22S, R37E

Sampling Date: 11/11/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: ST 4 (4') (H302745-08)

BTEX 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	11/18/2013	ND	1.98	99.2	2.00	5.01	
Toluene*	<0.050	0.050	11/18/2013	ND	1.96	98.2	2.00	5.59	
Ethylbenzene*	<0.050	0.050	11/18/2013	ND	1.95	97.4	2.00	5.81	
Total Xylenes*	<0.150	0.150	11/18/2013	ND	5.71	95.2	6.00	5.49	
Total BTEX	<0.300	0.300	11/18/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 89.4-126

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	11/14/2013	ND	400	100	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	11/13/2013	ND	217	108	200	4.00	
DRO >C10-C28	<10.0	10.0	11/13/2013	ND	215	107	200	6.89	

Surrogate: 1-Chlorooctane 118 % 65.2-140

Surrogate: 1-Chlorooctadecane 127 % 63.6-154

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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: 11/11/2013
 Reported: 11/19/2013
 Project Name: JL GREENWOOD #13
 Project Number: NONE GIVEN
 Project Location: UL-K SEC. 9, T22S, R37E

 Sampling Date: 11/11/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: ST 4 (6') (H302745-09)

BTEX 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	11/18/2013	ND	1.98	99.2	2.00	5.01	
Toluene*	<0.050	0.050	11/18/2013	ND	1.96	98.2	2.00	5.59	
Ethylbenzene*	<0.050	0.050	11/18/2013	ND	1.95	97.4	2.00	5.81	
Total Xylenes*	<0.150	0.150	11/18/2013	ND	5.71	95.2	6.00	5.49	
Total BTEX	<0.300	0.300	11/18/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 89.4-126

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	11/14/2013	ND	400	100	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	11/13/2013	ND	217	108	200	4.00	
DRO >C10-C28	<10.0	10.0	11/13/2013	ND	215	107	200	6.89	

Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 118 % 63.6-154

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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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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

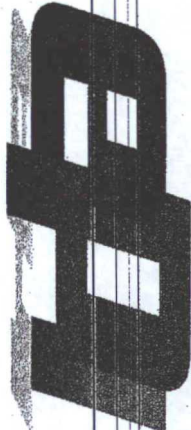
Facility Name JL Greenwood #13

Location UL-K Sec. 9, T22S, R37E

Project Reference

EPI Sampler Name Dustin Crockett

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



ANALYSIS REQUEST

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		JL Greenwood #13	
Location		UL-K Sec. 9, T22S, R37E	
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	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl ⁻)	SULFATES (SO ₄ ²⁻)	pH	TCLP	OTHER >>>	PAH
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:												

H502745	1 Background	G	1			X							11-Nov-13	8:00	X	X	X					
	2 ST1 (4')	G	1			X							11-Nov-13	8:10	X	X	X					
	3 ST1 (6')	G	1			X							11-Nov-13	8:15	X	X	X					
	4 ST2 (4')	G	1			X							11-Nov-13	8:25	X	X	X					
	5 ST2 (6')	G	1			X							11-Nov-13	8:30	X	X	X					
	6 ST3 (4')	G	1			X							11-Nov-13	8:40	X	X	X					
	7 ST3 (6')	G	1			X							11-Nov-13	8:45	X	X	X					
	8 ST4 (4')	G	1			X							11-Nov-13	8:55	X	X	X					
	9 ST4 (6')	G	1			X							11-Nov-13	9:00	X	X	X					
	10																					

Sampler Relinquished:

Date 11/11/13 Received By: [Signature]

Relinquished by:

Date 11-11-13 Received By: (lab staff) [Signature]

Delivered by:

Date 11-11-13 Sample Cdn & Intact No

E-mail results to: ddominguezepi@gmail.com & guy.pearce@xtoenergy.com

NOTES:

#54

December 03, 2013

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: JL GREENWOOD #13

Enclosed are the results of analyses for samples received by the laboratory on 11/22/13 13:48.

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.

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: 11/22/2013
Reported: 12/03/2013
Project Name: JL GREENWOOD #13
Project Number: NONE GIVEN
Project Location: UL-K SEC. 9, T22S, R37E

Sampling Date: 11/22/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 (5') (H302879-01)

BTEX 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	11/26/2013	ND	2.06	103	2.00	2.78	
Toluene*	<0.050	0.050	11/26/2013	ND	2.06	103	2.00	2.04	
Ethylbenzene*	<0.050	0.050	11/26/2013	ND	2.03	102	2.00	1.59	
Total Xylenes*	<0.150	0.150	11/26/2013	ND	5.95	99.1	6.00	0.825	
Total BTEX	<0.300	0.300	11/26/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 89.4-126

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	11/26/2013	ND	416	104	400	3.77	

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	11/26/2013	ND	225	112	200	1.52	
DRO >C10-C28	165	10.0	11/26/2013	ND	216	108	200	3.15	

Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

Cardinal Laboratories

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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: 11/22/2013
Reported: 12/03/2013
Project Name: JL GREENWOOD #13
Project Number: NONE GIVEN
Project Location: UL-K SEC. 9, T22S, R37E

Sampling Date: 11/22/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 (2') (H302879-02)

BTEX 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	11/26/2013	ND	2.06	103	2.00	2.78	
Toluene*	<0.050	0.050	11/26/2013	ND	2.06	103	2.00	2.04	
Ethylbenzene*	<0.050	0.050	11/26/2013	ND	2.03	102	2.00	1.59	
Total Xylenes*	<0.150	0.150	11/26/2013	ND	5.95	99.1	6.00	0.825	
Total BTEX	<0.300	0.300	11/26/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 89.4-126

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	11/26/2013	ND	416	104	400	3.77	

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	11/26/2013	ND	225	112	200	1.52	
DRO >C10-C28	<10.0	10.0	11/26/2013	ND	216	108	200	3.15	

Surrogate: 1-Chlorooctane 114 % 65.2-140

Surrogate: 1-Chlorooctadecane 116 % 63.6-154

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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: 11/22/2013
Reported: 12/03/2013
Project Name: JL GREENWOOD #13
Project Number: NONE GIVEN
Project Location: UL-K SEC. 9, T22S, R37E

Sampling Date: 11/22/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 (3') (H302879-03)

BTEX 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	11/26/2013	ND	2.06	103	2.00	2.78	
Toluene*	<0.050	0.050	11/26/2013	ND	2.06	103	2.00	2.04	
Ethylbenzene*	<0.050	0.050	11/26/2013	ND	2.03	102	2.00	1.59	
Total Xylenes*	<0.150	0.150	11/26/2013	ND	5.95	99.1	6.00	0.825	
Total BTEX	<0.300	0.300	11/26/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 89.4-126

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	11/26/2013	ND	416	104	400	3.77	

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	11/26/2013	ND	225	112	200	1.52	
DRO >C10-C28	<10.0	10.0	11/26/2013	ND	216	108	200	3.15	

Surrogate: 1-Chlorooctane 114 % 65.2-140

Surrogate: 1-Chlorooctadecane 116 % 63.6-154

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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Celey D. Keene, Lab Director/Quality Manager

Chain of Custody Form

LAB Cardinal

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#54

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR



Initial Report



Final Report

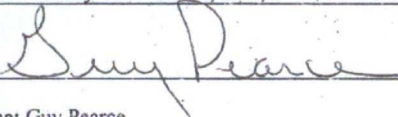
Name of Company: XTO Energy	Contact: Guy Pearce	
Address: P.O. Box 700 Eunice, NM 88231	Telephone No.: (575) 394 - 2089 Ext 2203	
Facility Name: JL Greenwood #13	Facility Type: Oil well	
Surface Owner: Charlie Bettis	Mineral Owner:	API:

LOCATION OF RELEASE

Unit Letter K	Section 9	Township 22S	Range 37E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
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Latitude: N 32° 24' 12.06" Longitude: W 103° 10' 09.76"

NATURE OF RELEASE

Type of Release: Oil	Volume of Release: 5 bbls	Volume Recovered: 0 bbls
Source of Release: sidewall of steel flow-line split	Date and Hour of Occurrence: 10/25/13 @ 14:00pm	Date and Hour of Discovery: 10/25/13 @ 14:00pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Geoff Leking	
By Whom? Guy Pearce	Date and Hour: 10/25/13	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse: Not Applicable	
Depth to Water, ~85 ft bgs		
If a Watercourse was Impacted, Describe Fully.* Not Applicable		
Describe Cause of Problem and Remedial Action Taken.* Approximately 5 bbls of oil were released when the sidewall of a steel flow-line split. There was no volume recovered. An Emergency Response Team arrived at the release area and began continuous abatement of the impacted area. Visibly stained soil was excavated and hauled away for disposal at a state approved facility.		
Describe Area Affected and Cleanup Action Taken.* Approximately 31,100 square feet of surface area was impacted by the release. No volume of water was recovered from the site. Soil samples will be collected from release area and submitted to Cardinal Laboratories for testing. Upon receipt of laboratory analytical data from soil samples collected during delineation operations, EPI will prepare and present a Remediation Proposal for approval.		
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: 	OIL CONSERVATION DIVISION	
Printed Name: Guy Pearce	Approved by District Supervisor:	
Title: Production Foreman	Approval Date:	Expiration Date:
E-mail Address: guy_pearce@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: Phone: (575) 394-2089 Ext 2203		

* Attach Additional Sheets If Necessary