

# ***ENVIRONMENTAL PLUS, INC.***

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P.O. BOX 1558  
EUNICE, NM 88231  
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## **CLOSURE REPORT**

**BOPCO, L.P.  
PLU-CVX-JV-BS #028H  
Eddy County, New Mexico  
Unit Letter "A", Section 23, Township 24 South, Range 30 East  
Latitude 32.208892 North, Longitude 103.845917 West  
NMOCD Reference #2RP-2612**

Prepared For:

**BOPCO, L.P.  
522 W. Mermod, Suite 704  
Carlsbad, New Mexico 88220**

Prepared By:

**Environmental Plus, Inc.  
2100 Ave 'O'  
Eunice, NM 88231**

**June 2015**

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**Daniel Dominguez  
Project Manager**



9 June 2015

Mr. Mike Bratcher  
Environmental Specialist  
NMOCD  
811 S. First St.  
Artesia, New Mexico 88210

RE: Final Closure Report  
Bopco – PLU-CVX-JV-BS #28  
UL-A, Section 23, Township 24 South, Range 30 East  
Eddy County, New Mexico  
NMOCD Reference # 2RP 2612

Mr. Bratcher:

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

**Background Information:**

While performing normal maintenance on the well a sudden and unexpected pressure release released fluid to well pad area. The release impacted approximately 13,500 sq. ft. of caliche well pad, the fluid puddled up in an area measuring approximately 4,500 sq. ft.; the remainder of the area was misted with fluid that saturated from 1/2 inch to less than 1/8 inch. The free standing fluid was recovered with a vacuum truck.

**Remediation Activities:**

EPI personnel mobilized on the site on March 10-12, 2015 to collect soil samples via hand auger to determine the vertical extent of contamination. A total of twenty-seven (27) soil samples were collected from seven (7) sample locations. On March 30, 2015 three (3) additional deeper soil samples were collected from three (3) sample points; SP2, SP3, SP7. All samples were sent to Cardinal Labs in Hobbs, New Mexico, for testing. Laboratory analytical results indicate the release area is void of Benzene, BTEX, and TPH concentrations in excess of NMOCD Recommended Remedial Action Levels (RRALs) of 10 mg/Kg, 50 mg/Kg, and 5,000 mg/Kg, respectively. Chloride concentrations exceed NMOCD RRALs of 1,000 mg/Kg in the areas of sample locations SP1 – SP4, SP6 and SP7 to varying depths. Chloride concentrations do not exceed NMOCD RRALs in the area of SP5 (reference *Figure 3* and *Table 2*).

From May 18 - 20, 2015 the release area was excavated to a depth of six (6) inches bgs in the areas of SP1, SP4, SP5, and SP6; SP2 and SP3 were excavated to a depth of two (2) feet bgs; SP7 was excavated to a depth of one and a half (1.5) feet bgs. Approximately 336.53 tons of contaminated soil was excavated and hauled to a state approved facility for disposal.

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**Closure Activities:**

On May 21, 2015 two 20 mil poly-ethylene liners were installed; one over the areas of SP3 and SP7; one over the area of SP2. The excavation was then backfilled with approximately 336.53 tons of clean soil. All soil was free of rocks, clumps or deleterious material. The entire disturbed area was then 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. Brad Blevins at (432) 214-3704 or via e-mail at [bblevins@basspet.com](mailto:bblevins@basspet.com). All official communication should be addressed to:

Mr. Brad Blevins  
Bopco, L.P.  
522 W. Mermond, Suite 704  
Carlsbad, NM 88220

Sincerely,

ENVIRONMENTAL PLUS, INC.

Daniel Dominguez  
Environmental Consultant

cc: Brad Blevins, EHS Asst. Remediation Foreman – Bopco, L.P.  
Tony Savoie, Remediation Foreman – Bopco, L.P. 1(432)556-8730  
File

Encl.: Figure 1 – Area Map  
Figure 2 – Site Location Map  
Figure 3 – Site/Sample 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 III – Disposal Tickets  
Attachment IV – Copy of Initial NMOCD Form C-141, Final C-141

## **FIGURES**

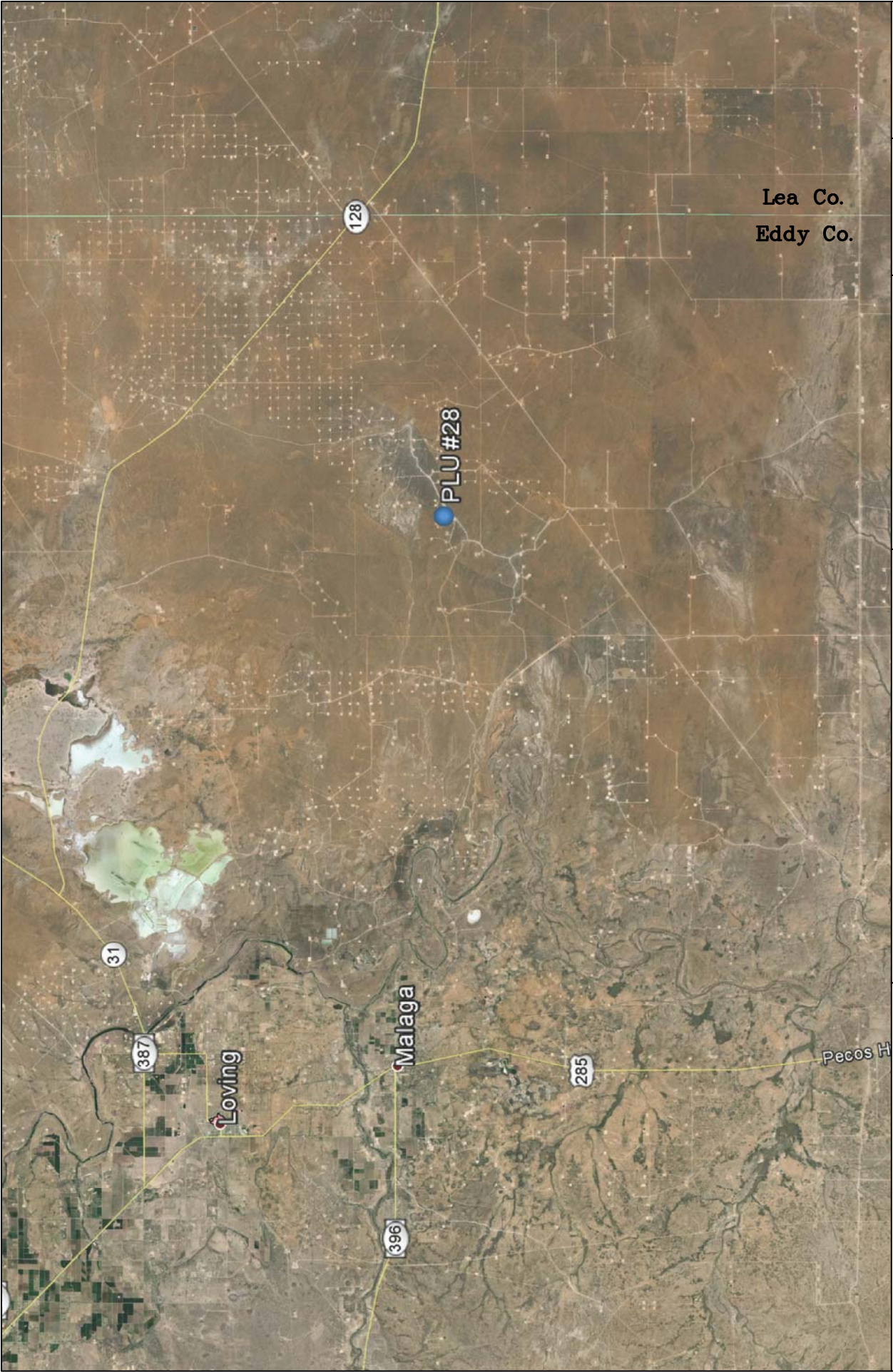
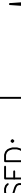


Figure 1 Area Map Bopco, L.P. PLU-CVX-JV-BS #28	Eddy County, New Mexico NE 1/4 of NE 1/4, Sec. 23, T24S, R30E N 32° 12' 32.01" W 103° 50' 45.30" Elevation: 3,435 feet amsl	DWG By: D Dominguez June 2015	REVISID:
		0 3 6 Miles	
			

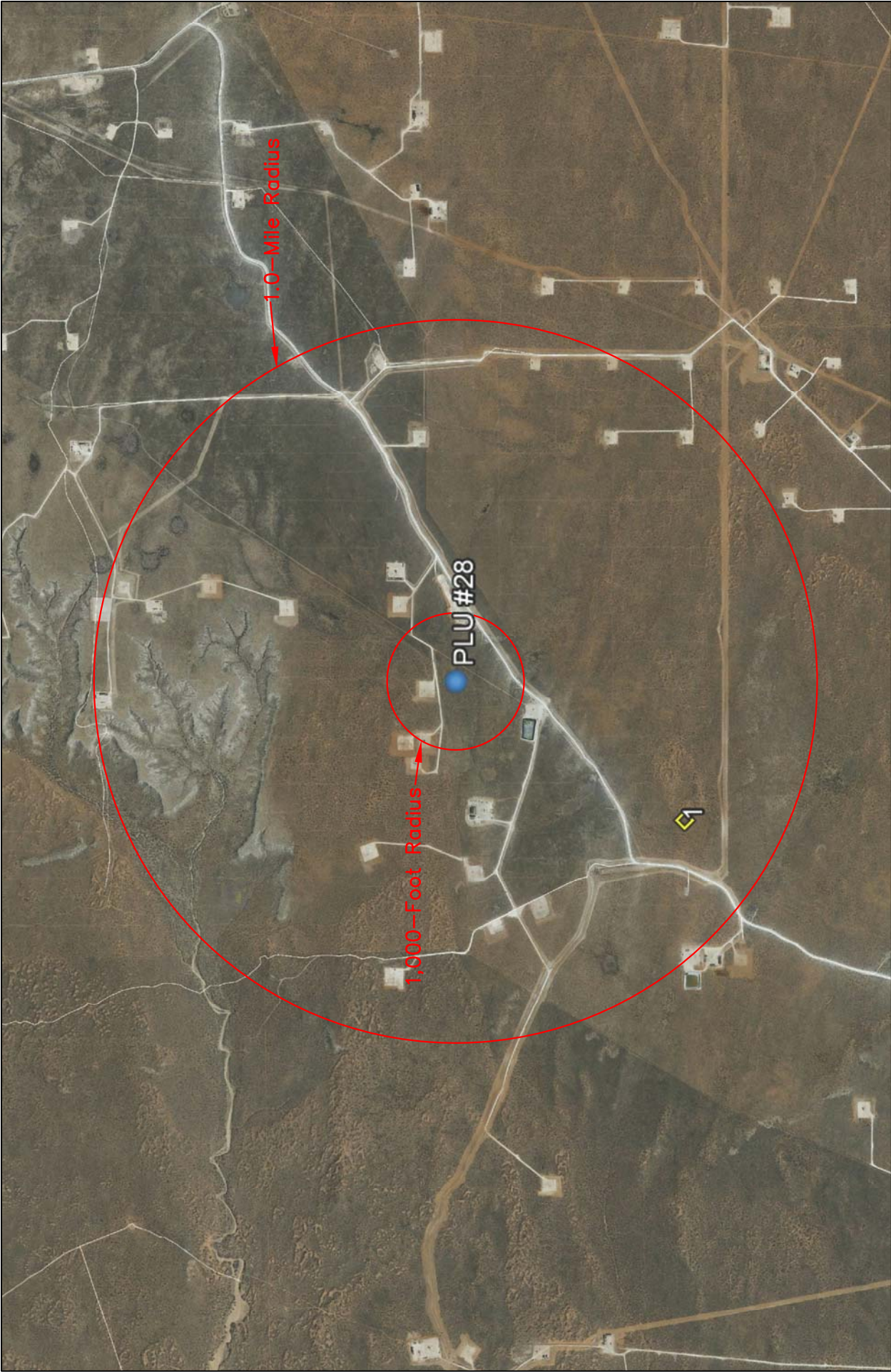
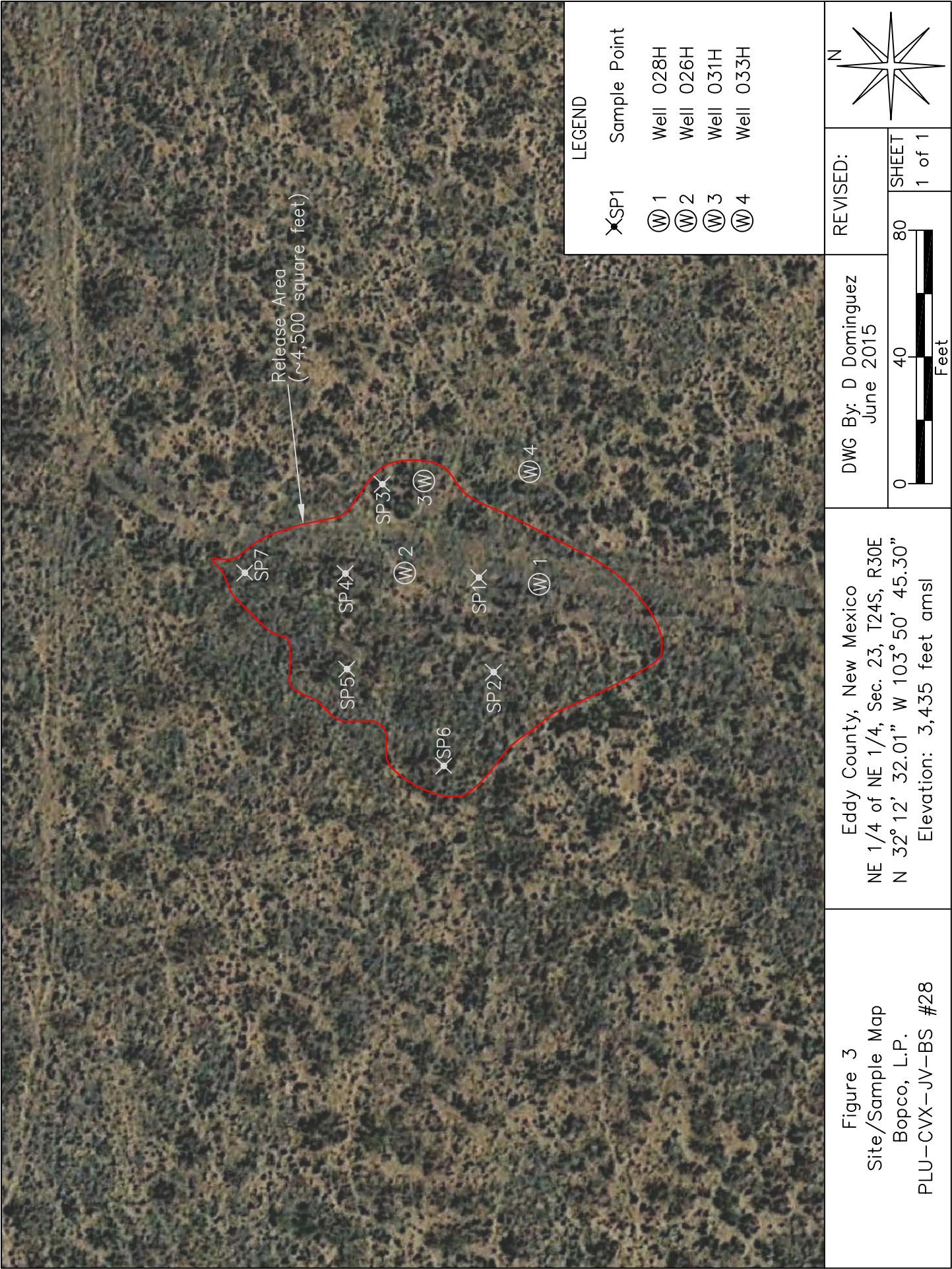


Figure 2 Site Location Map Bopco, L.P. PLU-CVX-JV-BS #28	Eddy County, New Mexico NE 1/4 of NE 1/4, Sec. 23, T24S, R30E N 32° 12' 32.01" W 103° 50' 45.30" Elevation: 3,435 feet amsl	DWG By: D Dominguez June 2015	REVISED:			
		0	2,000	4,000		SHEET
						1 of 1



## **TABLES**

**TABLE 1**  
**Well Data**  
**Bopco, L.P. - PLU #28**

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
1	C 02110	STK	3	CLARENCE W. MCDONALD		4	3	23	24S	30E	608036	3562950	31-Dec-67	3,514	(ft bgs) 400

\* = 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

A = In acre feet per annum    -- = Data not provided on the NM iwaters website

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

STK = 72-12-1 Livestock watering

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

**TABLE 2**  
**Summary of Soil Sample Field Testing and Laboratory Analytical Data**  
**Bopco, L.P.**  
**PLU #28**

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)	EXT DRO C28-C35 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SP1	Surface	Excavated	10-Mar-15	7.6	3,600	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	204	68.6	272.6	5,120
	3	In Situ	10-Mar-15	1.1	480	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	352
	6	In Situ	10-Mar-15	0.0	640	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	576
	9	In Situ	10-Mar-15	0.0	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	2,880
	10.5	In Situ	10-Mar-15	0.0	800	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	816
SP2	Surface	Excavated	10-Mar-15	311	3,800	<0.050	0.114	0.571	5.73	6.41	78.6	1,320	613.0	2,011.6	4,360
	3	In Situ	10-Mar-15	3.9	1,400	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	1,520
	6	In Situ	10-Mar-15	0.0	640	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	688
	9	In Situ	10-Mar-15	0.0	2,200	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	352
	12	In Situ	10-Mar-15	0.0	2,800	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	3,440
SP3	14	In Situ	30-Mar-15	--	160	--	--	--	--	--	--	--	--	--	96
	3	In Situ	10-Mar-15	0.0	>4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	12,700
	6	In Situ	10-Mar-15	0.0	>4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	9,330
	9	In Situ	11-Mar-15	0.0	>4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	6,240
	13	In Situ	30-Mar-15	--	440	--	--	--	--	--	--	--	--	--	368
SP4	Surface	Excavated	11-Mar-15	3.0	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	86.2	13.4	99.6	3,280
	3	In Situ	11-Mar-15	3.1	1,040	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	1,300
	6	In Situ	11-Mar-15	3.2	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	336
	8	In Situ	11-Mar-15	2.9	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	80

**TABLE 2**  
**Summary of Soil Sample Field Testing and Laboratory Analytical Data**  
**Bopco, L.P.**  
**PLU #28**

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)	EXT DRO C28-C35 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SP5	3	In Situ	11-Mar-15	3.4	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	304
	6	In Situ	11-Mar-15	2.2	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	32
SP6	Surface	Excavated	11-Mar-15	10.1	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.9	10.9	31.8	128
	3	In Situ	11-Mar-15	2.0	400	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<b>2,080</b>
	6	In Situ	11-Mar-15	1.9	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	80
SP7	Surface	Excavated	11-Mar-15	11.4	2,080	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	391	98.5	489.5	<b>2,840</b>
	3	In Situ	11-Mar-15	2.9	560	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	448
	6	In Situ	12-Mar-15	1.0	2,600	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<b>3,440</b>
	8	In Situ	12-Mar-15	1.5	2,240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<b>2,440</b>
	10	In Situ	12-Mar-15	1.2	2,600	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<b>3,360</b>
NMOCD Recommended Remedial Action Levels	14	In Situ	30-Mar-15	--	80	--	--	--	--	--	--	--	--	--	<16.0
			NMOCD Recommended Remedial Action Levels		100	10				50				5,000	1,000

-- = Not Analyzed  
**Red** values are in excess of NMOCD Recommended Remedial Action Levels  
 Shaded values indicates soil has been excavated

## **ATTACHMENTS**

**ATTACHMENT I**  
**Photographs**



Photograph #1 – Lease sign



Photograph #2 – Looking across release area



Photograph #3 – Looking across release area



Photograph #4 – Excavated area



Photograph #5 – Excavated area



Photograph #6 – Excavated area



Photograph #7 – Excavated area



Photograph #8 – Installation of liner



Photograph #9 – Installation of liner



Photograph #10 – Backfilled area



Photograph #11 – Backfilled area



Photograph #12 – Backfilled area



Photograph #13 – Backfilled area

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

March 27, 2015

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: PLU #28

Enclosed are the results of analyses for samples received by the laboratory on 03/24/15 15:41.

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: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP1 ( SURFACE ) (H500791-01)**

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	03/25/2015	ND	2.15	108	2.00	0.147	
Toluene*	<0.050	0.050	03/25/2015	ND	1.98	98.8	2.00	0.395	
Ethylbenzene*	<0.050	0.050	03/25/2015	ND	1.92	96.1	2.00	0.693	
Total Xylenes*	<0.150	0.150	03/25/2015	ND	5.79	96.5	6.00	1.32	
Total BTX	<0.300	0.300	03/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	5120	16.0	03/26/2015	ND	400	100	400	3.92	

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	03/25/2015	ND	197	98.4	200	2.82	
DRO >C10-C28	204	10.0	03/25/2015	ND	208	104	200	0.481	
EXT DRO >C28-C35	68.6	10.0	03/25/2015	ND					

Surrogate: 1-Chlorooctane 109 % 47.2-157

Surrogate: 1-Chlorooctadecane 128 % 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: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP1 ( 3 ' ) (H500791-02)**

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	03/25/2015	ND	2.15	108	2.00	0.147	
Toluene*	<0.050	0.050	03/25/2015	ND	1.98	98.8	2.00	0.395	
Ethylbenzene*	<0.050	0.050	03/25/2015	ND	1.92	96.1	2.00	0.693	
Total Xylenes*	<0.150	0.150	03/25/2015	ND	5.79	96.5	6.00	1.32	
Total BTEX	<0.300	0.300	03/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	352	16.0	03/26/2015	ND	400	100	400	3.92	

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	03/25/2015	ND	197	98.4	200	2.82	
DRO >C10-C28	<10.0	10.0	03/25/2015	ND	208	104	200	0.481	
EXT DRO >C28-C35	<10.0	10.0	03/25/2015	ND					

Surrogate: 1-Chlorooctane 98.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 107 % 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: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP1 ( 6 ' ) (H500791-03)**

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	03/25/2015	ND	2.15	108	2.00	0.147	
Toluene*	<0.050	0.050	03/25/2015	ND	1.98	98.8	2.00	0.395	
Ethylbenzene*	<0.050	0.050	03/25/2015	ND	1.92	96.1	2.00	0.693	
Total Xylenes*	<0.150	0.150	03/25/2015	ND	5.79	96.5	6.00	1.32	
Total BTEX	<0.300	0.300	03/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	576	16.0	03/26/2015	ND	400	100	400	3.92	

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	03/25/2015	ND	197	98.4	200	2.82	
DRO >C10-C28	<10.0	10.0	03/25/2015	ND	208	104	200	0.481	
EXT DRO >C28-C35	<10.0	10.0	03/25/2015	ND					

Surrogate: 1-Chlorooctane 99.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 110 % 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

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Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP1 ( 9 ' ) (H500791-04)**

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	03/25/2015	ND	2.15	108	2.00	0.147		
Toluene*	<0.050	0.050	03/25/2015	ND	1.98	98.8	2.00	0.395		
Ethylbenzene*	<0.050	0.050	03/25/2015	ND	1.92	96.1	2.00	0.693		
Total Xylenes*	<0.150	0.150	03/25/2015	ND	5.79	96.5	6.00	1.32		
Total BTEX	<0.300	0.300	03/25/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	2880	16.0	03/26/2015	ND	432	108	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	03/25/2015	ND	197	98.4	200	2.82	
DRO >C10-C28	<10.0	10.0	03/25/2015	ND	208	104	200	0.481	
EXT DRO >C28-C35	<10.0	10.0	03/25/2015	ND					

Surrogate: 1-Chlorooctane 99.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 108 % 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: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP1 ( 10.5 ' ) (H500791-05)**

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	03/25/2015	ND	2.15	108	2.00	0.147	
Toluene*	<0.050	0.050	03/25/2015	ND	1.98	98.8	2.00	0.395	
Ethylbenzene*	<0.050	0.050	03/25/2015	ND	1.92	96.1	2.00	0.693	
Total Xylenes*	<0.150	0.150	03/25/2015	ND	5.79	96.5	6.00	1.32	
Total BTX	<0.300	0.300	03/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	816	16.0	03/26/2015	ND	432	108	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	03/25/2015	ND	197	98.4	200	2.82	
DRO >C10-C28	<10.0	10.0	03/25/2015	ND	208	104	200	0.481	
EXT DRO >C28-C35	<10.0	10.0	03/25/2015	ND					

Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 109 % 52.1-176

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Received: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP2 ( SURFACE ) (H500791-06)**

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	03/25/2015	ND	2.15	108	2.00	0.147	
Toluene*	0.114	0.050	03/25/2015	ND	1.98	98.8	2.00	0.395	
Ethylbenzene*	0.571	0.050	03/25/2015	ND	1.92	96.1	2.00	0.693	
Total Xylenes*	5.73	0.150	03/25/2015	ND	5.79	96.5	6.00	1.32	
Total BTEX	6.41	0.300	03/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	4360	16.0	03/26/2015	ND	432	108	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	78.6	10.0	03/25/2015	ND	197	98.4	200	2.82	
DRO >C10-C28	1320	10.0	03/25/2015	ND	208	104	200	0.481	
EXT DRO >C28-C35	613	10.0	03/25/2015	ND					

Surrogate: 1-Chlorooctane 105 % 47.2-157

Surrogate: 1-Chlorooctadecane 115 % 52.1-176

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Received: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP2 ( 3 ' ) (H500791-07)**

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	03/25/2015	ND	2.15	108	2.00	0.147	
Toluene*	<0.050	0.050	03/25/2015	ND	1.98	98.8	2.00	0.395	
Ethylbenzene*	<0.050	0.050	03/25/2015	ND	1.92	96.1	2.00	0.693	
Total Xylenes*	<0.150	0.150	03/25/2015	ND	5.79	96.5	6.00	1.32	
Total BTEx	<0.300	0.300	03/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	1520	16.0	03/26/2015	ND	432	108	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	03/25/2015	ND	197	98.4	200	2.82	
DRO >C10-C28	<10.0	10.0	03/25/2015	ND	208	104	200	0.481	
EXT DRO >C28-C35	<10.0	10.0	03/25/2015	ND					

Surrogate: 1-Chlorooctane 79.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 88.6 % 52.1-176

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Received: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP2 ( 6 ' ) (H500791-08)**

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	03/25/2015	ND	2.15	108	2.00	0.147	
Toluene*	<0.050	0.050	03/25/2015	ND	1.98	98.8	2.00	0.395	
Ethylbenzene*	<0.050	0.050	03/25/2015	ND	1.92	96.1	2.00	0.693	
Total Xylenes*	<0.150	0.150	03/25/2015	ND	5.79	96.5	6.00	1.32	
Total BTEX	<0.300	0.300	03/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	688	16.0	03/26/2015	ND	432	108	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	03/25/2015	ND	197	98.4	200	2.82	
DRO >C10-C28	<10.0	10.0	03/25/2015	ND	208	104	200	0.481	
EXT DRO >C28-C35	<10.0	10.0	03/25/2015	ND					

Surrogate: 1-Chlorooctane 83.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 86.6 % 52.1-176

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Received: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP2 ( 9 ' ) (H500791-09)**

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	03/25/2015	ND	2.15	108	2.00	0.147	
Toluene*	<0.050	0.050	03/25/2015	ND	1.98	98.8	2.00	0.395	
Ethylbenzene*	<0.050	0.050	03/25/2015	ND	1.92	96.1	2.00	0.693	
Total Xylenes*	<0.150	0.150	03/25/2015	ND	5.79	96.5	6.00	1.32	
Total BTEX	<0.300	0.300	03/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	352	16.0	03/26/2015	ND	432	108	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	03/25/2015	ND	197	98.4	200	2.82	
DRO >C10-C28	<10.0	10.0	03/25/2015	ND	208	104	200	0.481	
EXT DRO >C28-C35	<10.0	10.0	03/25/2015	ND					

Surrogate: 1-Chlorooctane 86.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.0 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

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Received: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP2 ( 12 ' ) (H500791-10)**

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	03/25/2015	ND	2.15	108	2.00	0.147	
Toluene*	<0.050	0.050	03/25/2015	ND	1.98	98.8	2.00	0.395	
Ethylbenzene*	<0.050	0.050	03/25/2015	ND	1.92	96.1	2.00	0.693	
Total Xylenes*	<0.150	0.150	03/25/2015	ND	5.79	96.5	6.00	1.32	
Total BTEX	<0.300	0.300	03/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	3440	16.0	03/26/2015	ND	432	108	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	03/25/2015	ND	197	98.4	200	2.82	
DRO >C10-C28	<10.0	10.0	03/25/2015	ND	208	104	200	0.481	
EXT DRO >C28-C35	<10.0	10.0	03/25/2015	ND					

Surrogate: 1-Chlorooctane 85.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 92.8 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

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Received: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP3 ( 3 ' ) (H500791-11)**

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	03/25/2015	ND	2.15	108	2.00	0.147	
Toluene*	<0.050	0.050	03/25/2015	ND	1.98	98.8	2.00	0.395	
Ethylbenzene*	<0.050	0.050	03/25/2015	ND	1.92	96.1	2.00	0.693	
Total Xylenes*	<0.150	0.150	03/25/2015	ND	5.79	96.5	6.00	1.32	
Total BTEX	<0.300	0.300	03/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	12700	16.0	03/26/2015	ND	432	108	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	03/25/2015	ND	197	98.4	200	2.82	
DRO >C10-C28	<10.0	10.0	03/25/2015	ND	208	104	200	0.481	
EXT DRO >C28-C35	<10.0	10.0	03/25/2015	ND					

Surrogate: 1-Chlorooctane 89.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.4 % 52.1-176

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Received: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP3 ( 6 ' ) (H500791-12)**

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	03/25/2015	ND	2.15	108	2.00	0.147	
Toluene*	<0.050	0.050	03/25/2015	ND	1.98	98.8	2.00	0.395	
Ethylbenzene*	<0.050	0.050	03/25/2015	ND	1.92	96.1	2.00	0.693	
Total Xylenes*	<0.150	0.150	03/25/2015	ND	5.79	96.5	6.00	1.32	
Total BTEx	<0.300	0.300	03/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	9330	16.0	03/26/2015	ND	432	108	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	03/25/2015	ND	197	98.4	200	2.82	
DRO >C10-C28	<10.0	10.0	03/25/2015	ND	208	104	200	0.481	
EXT DRO >C28-C35	<10.0	10.0	03/25/2015	ND					

Surrogate: 1-Chlorooctane 88.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.9 % 52.1-176

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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: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP3 ( 9 ' ) (H500791-13)**

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	03/25/2015	ND	2.15	108	2.00	0.147		
Toluene*	<0.050	0.050	03/25/2015	ND	1.98	98.8	2.00	0.395		
Ethylbenzene*	<0.050	0.050	03/25/2015	ND	1.92	96.1	2.00	0.693		
Total Xylenes*	<0.150	0.150	03/25/2015	ND	5.79	96.5	6.00	1.32		
Total BTEX	<0.300	0.300	03/25/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	6240	16.0	03/26/2015	ND	432	108	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	03/25/2015	ND	197	98.4	200	2.82	
DRO >C10-C28	<10.0	10.0	03/25/2015	ND	208	104	200	0.481	
EXT DRO >C28-C35	<10.0	10.0	03/25/2015	ND					

Surrogate: 1-Chlorooctane 88.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 98.4 % 52.1-176

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Received: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP4 ( SURFACE ) (H500791-14)**

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	03/25/2015	ND	2.15	108	2.00	0.147	
Toluene*	<0.050	0.050	03/25/2015	ND	1.98	98.8	2.00	0.395	
Ethylbenzene*	<0.050	0.050	03/25/2015	ND	1.92	96.1	2.00	0.693	
Total Xylenes*	<0.150	0.150	03/25/2015	ND	5.79	96.5	6.00	1.32	
Total BTX	<0.300	0.300	03/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	3280	16.0	03/26/2015	ND	432	108	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	03/25/2015	ND	197	98.4	200	2.82	
DRO >C10-C28	86.2	10.0	03/25/2015	ND	208	104	200	0.481	
EXT DRO >C28-C35	13.4	10.0	03/25/2015	ND					

Surrogate: 1-Chlorooctane 88.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.5 % 52.1-176

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Received: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP4 ( 3 ' ) (H500791-15)**

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	03/25/2015	ND	2.15	108	2.00	0.147		
Toluene*	<0.050	0.050	03/25/2015	ND	1.98	98.8	2.00	0.395		
Ethylbenzene*	<0.050	0.050	03/25/2015	ND	1.92	96.1	2.00	0.693		
Total Xylenes*	<0.150	0.150	03/25/2015	ND	5.79	96.5	6.00	1.32		
Total BTEX	<0.300	0.300	03/25/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	1300	16.0	03/26/2015	ND	432	108	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	03/25/2015	ND	197	98.4	200	2.82	
DRO >C10-C28	<10.0	10.0	03/25/2015	ND	208	104	200	0.481	
EXT DRO >C28-C35	<10.0	10.0	03/25/2015	ND					

Surrogate: 1-Chlorooctane 86.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 94.7 % 52.1-176

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Received: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP4 ( 6 ' ) (H500791-16)**

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	03/25/2015	ND	2.15	108	2.00	0.147	
Toluene*	<0.050	0.050	03/25/2015	ND	1.98	98.8	2.00	0.395	
Ethylbenzene*	<0.050	0.050	03/25/2015	ND	1.92	96.1	2.00	0.693	
Total Xylenes*	<0.150	0.150	03/25/2015	ND	5.79	96.5	6.00	1.32	
Total BTEX	<0.300	0.300	03/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	336	16.0	03/26/2015	ND	432	108	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	03/25/2015	ND	197	98.4	200	2.82	
DRO >C10-C28	<10.0	10.0	03/25/2015	ND	208	104	200	0.481	
EXT DRO >C28-C35	<10.0	10.0	03/25/2015	ND					

Surrogate: 1-Chlorooctane 87.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 99.5 % 52.1-176

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Received: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP4 ( 8 ' ) (H500791-17)**

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	03/25/2015	ND	2.15	108	2.00	0.147	
Toluene*	<0.050	0.050	03/25/2015	ND	1.98	98.8	2.00	0.395	
Ethylbenzene*	<0.050	0.050	03/25/2015	ND	1.92	96.1	2.00	0.693	
Total Xylenes*	<0.150	0.150	03/25/2015	ND	5.79	96.5	6.00	1.32	
Total BTEX	<0.300	0.300	03/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	80.0	16.0	03/26/2015	ND	432	108	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	03/25/2015	ND	197	98.4	200	2.82	
DRO >C10-C28	<10.0	10.0	03/25/2015	ND	208	104	200	0.481	
EXT DRO >C28-C35	<10.0	10.0	03/25/2015	ND					

Surrogate: 1-Chlorooctane 80.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.6 % 52.1-176

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Received: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP5 ( 3 ' ) (H500791-18)**

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	03/25/2015	ND	2.15	108	2.00	0.147	
Toluene*	<0.050	0.050	03/25/2015	ND	1.98	98.8	2.00	0.395	
Ethylbenzene*	<0.050	0.050	03/25/2015	ND	1.92	96.1	2.00	0.693	
Total Xylenes*	<0.150	0.150	03/25/2015	ND	5.79	96.5	6.00	1.32	
Total BTEx	<0.300	0.300	03/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	304	16.0	03/26/2015	ND	432	108	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	03/25/2015	ND	197	98.4	200	2.82	
DRO >C10-C28	<10.0	10.0	03/25/2015	ND	208	104	200	0.481	
EXT DRO >C28-C35	<10.0	10.0	03/25/2015	ND					

Surrogate: 1-Chlorooctane 82.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.1 % 52.1-176

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Fax To: (505) 394-2601

Received: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP5 ( 6 ' ) (H500791-19)**

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	03/25/2015	ND	2.15	108	2.00	0.147		
Toluene*	<0.050	0.050	03/25/2015	ND	1.98	98.8	2.00	0.395		
Ethylbenzene*	<0.050	0.050	03/25/2015	ND	1.92	96.1	2.00	0.693		
Total Xylenes*	<0.150	0.150	03/25/2015	ND	5.79	96.5	6.00	1.32		
Total BTX	<0.300	0.300	03/25/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	32.0	16.0	03/26/2015	ND	432	108	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	03/25/2015	ND	197	98.4	200	2.82	
DRO >C10-C28	<10.0	10.0	03/25/2015	ND	208	104	200	0.481	
EXT DRO >C28-C35	<10.0	10.0	03/25/2015	ND					

Surrogate: 1-Chlorooctane 90.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 103 % 52.1-176

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Received: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP6 ( SURFACE ) (H500791-20)**

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	03/25/2015	ND	2.15	108	2.00	0.147	
Toluene*	<0.050	0.050	03/25/2015	ND	1.98	98.8	2.00	0.395	
Ethylbenzene*	<0.050	0.050	03/25/2015	ND	1.92	96.1	2.00	0.693	
Total Xylenes*	<0.150	0.150	03/25/2015	ND	5.79	96.5	6.00	1.32	
Total BTEx	<0.300	0.300	03/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	128	16.0	03/26/2015	ND	432	108	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	03/25/2015	ND	197	98.4	200	2.82	
DRO >C10-C28	20.9	10.0	03/25/2015	ND	208	104	200	0.481	
EXT DRO >C28-C35	10.9	10.0	03/25/2015	ND					

Surrogate: 1-Chlorooctane 81.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 92.0 % 52.1-176

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Received: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP6 ( 3 ' ) (H500791-21)**

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	03/26/2015	ND	2.16	108	2.00	1.54	
Toluene*	<0.050	0.050	03/26/2015	ND	1.96	97.8	2.00	1.01	
Ethylbenzene*	<0.050	0.050	03/26/2015	ND	1.94	97.2	2.00	1.81	
Total Xylenes*	<0.150	0.150	03/26/2015	ND	5.86	97.7	6.00	1.49	
Total BTX	<0.300	0.300	03/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	2080	16.0	03/26/2015	ND	432	108	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	03/26/2015	ND	189	94.4	200	3.26	
DRO >C10-C28	<10.0	10.0	03/26/2015	ND	195	97.7	200	5.35	
EXT DRO >C28-C35	<10.0	10.0	03/26/2015	ND					

Surrogate: 1-Chlorooctane 96.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 98.2 % 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: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP6 ( 6 ' ) (H500791-22)**

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	03/26/2015	ND	2.16	108	2.00	1.54	
Toluene*	<0.050	0.050	03/26/2015	ND	1.96	97.8	2.00	1.01	
Ethylbenzene*	<0.050	0.050	03/26/2015	ND	1.94	97.2	2.00	1.81	
Total Xylenes*	<0.150	0.150	03/26/2015	ND	5.86	97.7	6.00	1.49	
Total BTX	<0.300	0.300	03/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	80.0	16.0	03/26/2015	ND	432	108	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	03/26/2015	ND	189	94.4	200	3.26	
DRO >C10-C28	<10.0	10.0	03/26/2015	ND	195	97.7	200	5.35	
EXT DRO >C28-C35	<10.0	10.0	03/26/2015	ND					

Surrogate: 1-Chlorooctane 99.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 99.2 % 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: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP7 ( SURFACE ) (H500791-23)**

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	03/26/2015	ND	2.16	108	2.00	1.54	
Toluene*	<0.050	0.050	03/26/2015	ND	1.96	97.8	2.00	1.01	
Ethylbenzene*	<0.050	0.050	03/26/2015	ND	1.94	97.2	2.00	1.81	
Total Xylenes*	<0.150	0.150	03/26/2015	ND	5.86	97.7	6.00	1.49	
Total BTX	<0.300	0.300	03/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	2840	16.0	03/26/2015	ND	432	108	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	03/26/2015	ND	189	94.4	200	3.26	
DRO >C10-C28	391	10.0	03/26/2015	ND	195	97.7	200	5.35	
EXT DRO >C28-C35	98.5	10.0	03/26/2015	ND					

Surrogate: 1-Chlorooctane 95.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 115 % 52.1-176

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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: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP7 ( 3 ' ) (H500791-24)**

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	03/26/2015	ND	2.16	108	2.00	1.54	
Toluene*	<0.050	0.050	03/26/2015	ND	1.96	97.8	2.00	1.01	
Ethylbenzene*	<0.050	0.050	03/26/2015	ND	1.94	97.2	2.00	1.81	
Total Xylenes*	<0.150	0.150	03/26/2015	ND	5.86	97.7	6.00	1.49	
Total BTEX	<0.300	0.300	03/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	448	16.0	03/26/2015	ND	432	108	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	03/26/2015	ND	189	94.4	200	3.26	
DRO >C10-C28	<10.0	10.0	03/26/2015	ND	195	97.7	200	5.35	
EXT DRO >C28-C35	<10.0	10.0	03/26/2015	ND					

Surrogate: 1-Chlorooctane 99.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 102 % 52.1-176

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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: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP7 ( 6 ' ) (H500791-25)**

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	03/26/2015	ND	2.16	108	2.00	1.54	
Toluene*	<0.050	0.050	03/26/2015	ND	1.96	97.8	2.00	1.01	
Ethylbenzene*	<0.050	0.050	03/26/2015	ND	1.94	97.2	2.00	1.81	
Total Xylenes*	<0.150	0.150	03/26/2015	ND	5.86	97.7	6.00	1.49	
Total BTEx	<0.300	0.300	03/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	3440	16.0	03/26/2015	ND	432	108	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	03/26/2015	ND	189	94.4	200	3.26	
DRO >C10-C28	<10.0	10.0	03/26/2015	ND	195	97.7	200	5.35	
EXT DRO >C28-C35	<10.0	10.0	03/26/2015	ND					

Surrogate: 1-Chlorooctane 94.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 92.2 % 52.1-176

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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: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP7 ( 8 ' ) (H500791-26)**

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	03/26/2015	ND	2.16	108	2.00	1.54	
Toluene*	<0.050	0.050	03/26/2015	ND	1.96	97.8	2.00	1.01	
Ethylbenzene*	<0.050	0.050	03/26/2015	ND	1.94	97.2	2.00	1.81	
Total Xylenes*	<0.150	0.150	03/26/2015	ND	5.86	97.7	6.00	1.49	
Total BTEX	<0.300	0.300	03/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	2440	16.0	03/26/2015	ND	432	108	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	03/26/2015	ND	189	94.4	200	3.26	
DRO >C10-C28	<10.0	10.0	03/26/2015	ND	195	97.7	200	5.35	
EXT DRO >C28-C35	<10.0	10.0	03/26/2015	ND					

Surrogate: 1-Chlorooctane 91.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 99.0 % 52.1-176

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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: 03/24/2015  
Reported: 03/27/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP7 ( 10 ' ) (H500791-27)**

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	03/26/2015	ND	2.16	108	2.00	1.54	
Toluene*	<0.050	0.050	03/26/2015	ND	1.96	97.8	2.00	1.01	
Ethylbenzene*	<0.050	0.050	03/26/2015	ND	1.94	97.2	2.00	1.81	
Total Xylenes*	<0.150	0.150	03/26/2015	ND	5.86	97.7	6.00	1.49	
Total BTEx	<0.300	0.300	03/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	3360	16.0	03/26/2015	ND	432	108	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	03/26/2015	ND	189	94.4	200	3.26	
DRO >C10-C28	<10.0	10.0	03/26/2015	ND	195	97.7	200	5.35	
EXT DRO >C28-C35	<10.0	10.0	03/26/2015	ND					

Surrogate: 1-Chlorooctane 85.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.5 % 52.1-176

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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.

Bill To

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 BOPCO

Facility Name PLU #28

Location UL-A Sec. 23, T24S, R30E

AFE#

EPI Sampler Name David Robinson

BOPCO, L.P.  
Attn: Brad Blevins  
522 W. Mermod, Suite 704  
Carlsbad, NM 88220

LAB I.D.

SAMPLE I.D.

H560791

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING		DATE	TIME	BTX 8021B	TPH 8015M	CHLORIDES (Cl <sup>-</sup> )	SULFATES (SO <sub>4</sub> <sup>2-</sup> )	pH	TCLP	OTHER >>>	PAH
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE		ACID/BASE	ICE/COOL										
1	SP1 (Surface)	G	1			X					X	12-Mar-15	9:03	X	X	X					
2	SP1 (3')	G	1			X					X	12-Mar-15	9:06	X	X	X					
3	SP1 (6')	G	1			X					X	12-Mar-15	10:42	X	X	X					
4	SP1 (9')	G	1			X					X	12-Mar-15	11:47	X	X	X					
5	SP1 (10.5')	G	1			X					X	12-Mar-15	13:06	X	X	X					
6	SP2 (Surface)	G	1			X					X	12-Mar-15	9:55	X	X	X					
7	SP2 (3')	G	1			X					X	12-Mar-15	9:58	X	X	X					
8	SP2 (6')	G	1			X					X	12-Mar-15	11:17	X	X	X					
9	SP2 (9')	G	1			X					X	12-Mar-15	12:07	X	X	X					
10	SP2 (12')	G	1			X					X	12-Mar-15	13:22	X	X	X					

Sampler Relinquished

Date 3/24/15

Received By: David Robinson

Relinquished by:

Date 3/24/15

Received By: (lab staff)

Delivered by:

Date 3/24/15

Sample Cool & Intact: Yes

Checked By:

E-mail results to: ddominguezepi@gmail.com & bblevins@basspet.com  
NOTES: & tasavole@basspet.com

# 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.

Bill To

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 BOPCO

Facility Name PLU #28

Location UL-A Sec. 23, T24S, R30E

A/E#

EPI Sampler Name David Robinson

BOPCO, L.P.  
Attn: Brad Blevins  
522 W. Mermod, Suite 704  
Carlsbad, NM 88220

LAB I.D.

SAMPLE I.D.

#500791

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING											
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:		ACID/BASE	ICE/COOL	OTHER	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl <sup>-</sup> )	SULFATES (SO <sub>4</sub> <sup>2-</sup> )	pH	TCLP	OTHER >>>
#500 791	11 SP3 (3')	G	1			X					X		12-Mar-15	13:58	X	X	X					
	12 SP3 (6')	G	1			X					X		12-Mar-15	14:37	X	X	X					
	13 SP3 (9')	G	1			X					X		12-Mar-15	9:01	X	X	X					
	14 SP4 (Surface)	G	1			X					X		12-Mar-15	9:35	X	X	X					
	15 SP4 (3')	G	1			X					X		12-Mar-15	9:38	X	X	X					
	16 SP4 (6')	G	1			X					X		12-Mar-15	10:13	X	X	X					
	17 SP4 (8')	G	1			X					X		12-Mar-15	10:50	X	X	X					
	18 SP5 (3')	G	1			X					X		12-Mar-15	12:08	X	X	X					
	19 SP5 (6')	G	1			X					X		12-Mar-15	13:07	X	X	X					
	20 SP6 (Surface)	G	1			X					X		12-Mar-15	14:00	X	X	X					

Sampler Relinquished:

Date 3/23/15

Received By:

Relinquished By:

Date 3/24/15

Received By: (lab staff)

Delivered by:

-15.40

Sample Cool & Intact Yes

Checked By:

E-mail results to: ddominguezepi@gmail.com & bblevins@basspet.com  
NOTES: & tasavole@basspet.com

# Environmental Plus, Inc.

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

P.O. Box 1558, Eunice, NM 88231

LAB Cardinal

Chain of Custody Form

Company Name Environmental Plus, Inc.

Bill To

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 BOPCO

Facility Name PLU #28

Location UL-A Sec. 23, T24S, R30E

A/E#

EPI Sampler Name David Robinson

BOPCO, L.P.  
Attn: Brad Blevins  
522 W. Mermod, Suite 704  
Carlsbad, NM 88220

LAB I.D.

SAMPLE I.D.

H500791

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME	BTX 8021B	TPH 8015M	CHLORIDES (Cl <sup>-</sup> )	SULFATES (SO <sub>4</sub> <sup>2-</sup> )	pH	TCLP	OTHER >>>	PAH
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER										
21	SP6 (3')	G	1			X					X		12-Mar-15	14:03	X	X	X					
22	SP6 (6')	G	1			X					X		12-Mar-15	14:17	X	X	X					
23	SP7 (Surface)	G	1			X					X		12-Mar-15	8:49	X	X	X					
24	SP7 (3')	G	1			X					X		12-Mar-15	9:18	X	X	X					
25	SP7 (6')	G	1			X					X		12-Mar-15	9:45	X	X	X					
26	SP7 (8')	G	1			X					X		12-Mar-15	14:46	X	X	X					
27	SP7 (10')	G	1			X					X		12-Mar-15	14:49	X	X	X					
28																						
29																						
30																						

Sampler Relinquished:

Date 4/23/15 Received By: [Signature]

E-mail results to: ddominguezepi@gmail.com & bblevins@basspet.com

Relinquished by: [Signature]

Date 4/23/15 Received By: [Signature]

NOTES:

Delivered by: [Signature]

Sample Cool & Intact Yes No

Checked By: [Signature]

-15.40a

#54



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

April 01, 2015

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: PLU #28

Enclosed are the results of analyses for samples received by the laboratory on 03/31/15 15:42.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

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: 03/31/2015  
Reported: 04/01/2015  
Project Name: PLU #28  
Project Number: NONE GIVEN  
Project Location: UL-A SEC. 23, T24S, R30E

Sampling Date: 03/30/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 (14') (H500851-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/01/2015	ND	400	100	400	0.00	

**Sample ID: SP 3 (13') (H500851-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	04/01/2015	ND	400	100	400	0.00	

**Sample ID: SP 7 (14') (H500851-03)**

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	04/01/2015	ND	400	100	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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

---

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



---

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 BOPCO

Facility Name PLU #28

Location UL-A Sec. 23, T24S, R30E

AFE#

EPI Sampler Name David Robinson

Bill To

ANALYSIS REQUEST

BOPCO, L.P.  
Attn: Brad Blevins  
522 W. Mermod, Suite 704  
Carlsbad, NM 88220

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING		BTEX 8021B	TPH 8015M	CHLORIDES (Cl <sup>-</sup> )	SULFATES (SO <sub>4</sub> <sup>=</sup> )	pH	TCLP	OTHER >>>	PAH	
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:		ACID/BASE	ICE/COOL									OTHER
1500851	1 SP2 (14')	G	1			X				X		30-Mar-15	14:10			X					
	2 SP3 (13')	G	1			X				X		30-Mar-15	11:05			X					
	3 SP7 (14')	G	1			X				X		30-Mar-15	13:00			X					
	4																				
	5																				
	6																				
	7																				
	8																				
	9																				
	10																				

Sampler Relinquished:

Date: 3/31/15  
Time: 6:00am

Received By: David Robinson

Relinquished by:

Date: 3/31/15  
Time: 3:00pm

Received By: (lab staff)

Delivered by:

4.60

Sample Cool & Intact  
Yes No

Checked By:

E-mail results to: ddominguezepi@gmail.com & bblevins@basspet.com  
NOTES: & tasavole@basspet.com

**ATTACHMENT III**  
**Disposal Tickets**

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

EPI.

### NON-HAZARDOUS WASTE MANIFEST

NO

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1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO.

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3. COMPANY NAME

PHONE NO.

4. ADDRESS

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5. PICK-UP DATE

6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a. Non-hazardous Tion Hierarchy Waste

b.

c.

d.

41.520

41080

8. CONTAINERS  
No. Type

9. TOTAL  
QUANTITY

10. UNIT  
Wt/Vol.

11. TEXAS  
WASTE ID #

12. COMMENTS OR SPECIAL INSTRUCTIONS:

PLU... RS # 21.11

13. WASTE PROFILE NO.

14.

### IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

PHONE NO

24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I Herby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME

SIGNATURE

DATE

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16. **TRANSPORTER (1)**

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

18. **TRANSPORTER (1):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

17. **TRANSPORTER (2)**

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. **TRANSPORTER (2):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

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Lea Land, LLC

ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

PHONE:

575-887-4048

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Herby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

CELL NO.

DATE

TIME

Donna Hino

5/15/2015

10:50

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

### NON-HAZARDOUS WASTE MANIFEST

NO

108681

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO.

124

G

3. COMPANY NAME

4. ADDRESS

5. PICK-UP DATE

PHONE NO.

CITY

STATE

ZIP

6. TNRCC I.D. NO.

E

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

8. CONTAINERS  
No. Type

9. TOTAL  
QUANTITY

10. UNIT  
Wt/Vol.

11. TEXAS  
WASTE ID #

N

a. Non-Hazardous Waste

E

c.

R

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

A

### IN CASE OF EMERGENCY OR SPILL, CONTACT

14.

NAME

PHONE NO

24-HOUR EMERGENCY NO.

T

O

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

R

PRINTED/TYPED NAME

SIGNATURE

DATE

T

16.

### TRANSPORTER (1)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

18. **TRANSPORTER (1):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

17.

### TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. **TRANSPORTER (2):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

D

Lea Land, LLC

ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

PHONE:

575-887-4048

F

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

S

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

CELL NO.

DATE

TIME

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

### NON-HAZARDOUS WASTE MANIFEST

NO

108682

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO.

126

G

3. COMPANY NAME

4. ADDRESS

5. PICK-UP DATE

PHONE NO.

CITY

STATE

ZIP

6. TNRCC I.D. NO.

E

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

8. CONTAINERS  
No. Type

9. TOTAL  
QUANTITY

10. UNIT  
Wt/Vol.

11. TEXAS  
WASTE ID #

N

a. Non-Regulated, Non-Hazardous Waste

E

b.

R

c.

44,520

42,740

A

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

T

14.

### IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

PHONE NO

24-HOUR EMERGENCY NO.

O

15. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

R

PRINTED/TYPED NAME

SIGNATURE

DATE

T

16.

### TRANSPORTER (1)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

R

18. **TRANSPORTER (1):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

A

17.

### TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

S

19. **TRANSPORTER (2):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

D

PERMIT NO.

WM-01-035 - New Mexico

ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

PHONE:

575-887-4048

I

20. COMMENTS

S

21. **DISPOSAL FACILITY'S CERTIFICATION:** I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

A

AUTHORIZED SIGNATURE

CELL NO.

DATE

TIME

L

Donna Brown

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

### NON-HAZARDOUS WASTE MANIFEST

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108692

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO. 112

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3. COMPANY NAME

PHONE NO.

4. ADDRESS

CITY

STATE

ZIP

5. PICK-UP DATE

6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a.

b. 43,520

c.

d. 42020, 42640

8. CONTAINERS  
No. Type

9. TOTAL  
QUANTITY

10. UNIT  
Wt/Vol.

11. TEXAS  
WASTE ID #

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

14.

### IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

PHONE NO.

24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME

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16. TRANSPORTER (1)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

18. TRANSPORTER (1): Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

17. TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. TRANSPORTER (2): Acknowledgment of receipt of material

PRINTED/TYPED NAME

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Lea Land, LLC

ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

PHONE:

575-887-4048

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

CELL NO.

DATE

TIME

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

### NON-HAZARDOUS WASTE MANIFEST

NO 108693

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2. TRAILER NO. 126

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3. COMPANY NAME

PHONE NO.

4. ADDRESS

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5. PICK-UP DATE

6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a. 100% Fertilizer, 100% Fertilizer, 100% Fertilizer

b. 31560

c.

d. 45,500 44,380

8. CONTAINERS  
No. Type

9. TOTAL  
QUANTITY

10. UNIT  
Wt/Vol.

11. TEXAS  
WASTE ID #

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

### IN CASE OF EMERGENCY OR SPILL, CONTACT

14.

NAME

PHONE NO.

24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME

SIGNATURE

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16. TRANSPORTER (1)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

18. TRANSPORTER (1): Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

17. TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. TRANSPORTER (2): Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

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Lea Land, LLC

ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

PHONE:

575-887-4048

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

CELL NO.

DATE

TIME

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

### NON-HAZARDOUS WASTE MANIFEST

NO

108699

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO.

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3. COMPANY NAME

PHONE NO.

4. ADDRESS

CITY

STATE

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5. PICK-UP DATE

6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a. 38,620 #46180

b.

c.

d.

8. CONTAINERS  
No. Type

9. TOTAL  
QUANTITY

10. UNIT  
Wt/Vol.

11. TEXAS  
WASTE ID #

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

### IN CASE OF EMERGENCY OR SPILL, CONTACT

14.  
NAME

PHONE NO

24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME

SIGNATURE

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16. TRANSPORTER (1)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

18. TRANSPORTER (1): Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

17. TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. TRANSPORTER (2): Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

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Y

Lea Land, LLC

ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

PHONE:

575-887-4048

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

CELL NO.

DATE

TIME

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

### NON-HAZARDOUS WASTE MANIFEST

NO

108711

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO.

112

G E N E R A T O R	3. COMPANY NAME LEA LAND, LLC		4. ADDRESS 1300 WEST MAIN STREET OKLAHOMA CITY, OK 73106		5. PICK-UP DATE 04/20/15	
	PHONE NO. 575-887-2277		CITY OKLAHOMA CITY		STATE OK	
	ZIP 73106		6. TNRCC I.D. NO.			
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:		8. CONTAINERS No. Type		9. TOTAL QUANTITY	10. UNIT Wt/Vol.
	a. 100 PALLETS, 100 PALLETS, 100 PALLETS					
E N V I R O N M E N T	b. 30 ILC					
	c.					
	d. 42,940 45,840					
	12. COMMENTS OR SPECIAL INSTRUCTIONS: PICK UP, 04/20/15		13. WASTE PROFILE NO.			
T R A N S P O R T E R	14. IN CASE OF EMERGENCY OR SPILL, CONTACT					
	NAME LEA LAND, LLC		PHONE NO. 575-887-4048		24-HOUR EMERGENCY NO.	
	15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC					
R	PRINTED/TYPED NAME		SIGNATURE		DATE	
T R A N S P O R T E R S	16. TRANSPORTER (1)		17. TRANSPORTER (2)			
	NAME: LEA LAND, LLC		NAME:			
	TEXAS I.D. NO.		TEXAS I.D. NO.			
	IN CASE OF EMERGENCY CONTACT: ROGER BOONE 575-887-4048		IN CASE OF EMERGENCY CONTACT:			
D I S P O S I T Y	EMERGENCY PHONE:		EMERGENCY PHONE:			
	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material			
	PRINTED/TYPED NAME JAMES M. BOONE		PRINTED/TYPED NAME			
	SIGNATURE JAMES M. BOONE		SIGNATURE			
D I S P O S I T Y	ADDRESS: Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: 575-887-4048	
	PERMIT NO. WM-01-035 - New Mexico		20. COMMENTS			
	21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.					
	AUTHORIZED SIGNATURE Domingo Juarez		CELL NO.		DATE 04/20/15	TIME 4:35

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

**ATTACHMENT IV**  
**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

# NM OIL CONSERVATION

ARTESIA DISTRICT

State of New Mexico

Energy Minerals and Natural Resources

NOV 18 2014

RECEIVED

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

<i>NAB143235716075</i>		<b>OPERATOR</b>		<input checked="" type="checkbox"/> Initial Report	<input type="checkbox"/> Final Report
Name of Company: BOPCO, L.P. <i>3160737</i>		Contact: Tony Savoie			
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220		Telephone No. 575-887-7329			
Facility Name: PLU-CVX-JV-Big Sinks #028H		Facility Type: Exploration and Production			
Surface Owner: Federal		Mineral Owner: Federal		API No. 30-015-42393	

## LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	23	24S	30E	590	North	1060	East	Eddy

Latitude N 32. 208892 Longitude W 103.845917

## NATURE OF RELEASE

Type of Release: Crude oil and Produced water	Volume of Release: Estimated 8 bbls crude oil, 38 bbls produced water with soap.	Volume Recovered: Estimated 2 bbls crude oil, 23 bbls produced water.
Source of Release: Production Wellhead	Date and Hour of Occurrence: 11/14/14 at approximately 11:30 p.m.	Date and Hour of Discovery: 11/14/14 at approximately 11:30 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Emergency services at approximately 11:30 p.m. 11/14/14 Jim Amos BLM and Mike Bratcher NMOCD	
By Whom? Rig Supervisor and Tony Savoie	Date and Hour: 11/15/14 BLM at 7:30 a.m. NMOCD at 7:35 a.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

Integrity rig #106 was performing normal maintenance on the well when a sudden and unexpected pressure release damaged a portion of the well and blow out preventer. After the area was declared safe, an integrity mechanic and rig operator repaired the blow out preventer, the well was shut in and the location was vacated except for emergency personnel. The exact cause of the pressure release is still under investigation.

Describe Area Affected and Cleanup Action Taken.\*

The release impacted approximately 13,500 sq.ft. of caliche well pad, the fluid puddled up in an area measuring approximately 4,500 sq.ft. the remainder of the area was misted with fluid that saturated from 1/2 inch to less than 1/8 inch. The free standing fluid was recovered with a vacuum truck. The saturated soil was left as is until the incident can be further evaluated. The spill area will be cleaned up in accordance to the NMOCD and BLM remediation guidelines.

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>Tony Savoie</i>		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Tony Savoie		Signed By: <i>Mike Bratcher</i> Approved by Environmental Specialist:	
Title: Waste Management and Remediation Specialist		Approval Date: <i>11/19/14</i>	Expiration Date: <i>N/A</i>
E-mail Address: <i>tasavoie@basspet.com</i>		Conditions of Approval: <b>Remediation per O.C.D. Rules &amp; Guidelines</b>	
Date: 11/15/14 Phone: 432-556-8730		Attached <input type="checkbox"/> <b>SUBMIT REMEDIATION PROPOSAL NO</b> <b>LATER THAN: 12/19/14</b>	

\* Attach Additional Sheets If Necessary

*PAB1432357160*

*2RP-2612*

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: BOPCO, L.P.	Contact: Bradley Blevins	
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220	Telephone No. 575-887-7329	
Facility Name: PLU-CVX-JV-BS #028H; 2RP# 2612	Facility Type: Exploration and Production	
Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-42393

#### LOCATION OF RELEASE

Unit Letter A	Section 23	Township 24S	Range 30E	Feet from the 590	North/South Line North	Feet from the 1060	East/West Line East	County Eddy
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Latitude: N 32.208892° Longitude: W 103.845917°

#### NATURE OF RELEASE

Type of Release: crude oil and produced water	Volume of Release: 8 bbls crude oil, 38 bbls produced water with soap	Volume Recovered: 2 bbls crude oil, 23 bbls produced water
Source of Release: Production wellhead	Date and Hour of Occurrence: 11/14/14 @ approx. 11:30 pm	Date and Hour of Discovery: 11/14/14 @ approx. 11:30 pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Emergency services @ approx. 11:30 pm 11/14/14 Jim Amos, BLM and Mike Bratcher, NMOCD	
By Whom? Rig Supervisor and Tony Savoie	Date and Hour: 11/15/14 BLM @ 7:30 am NMOCD @ 7:35 am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse: Not Applicable	

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

Describe Cause of Problem and Remedial Action Taken.\*


While performing normal maintenance on the well a sudden and unexpected pressure release released fluid to well pad area.

Describe Area Affected and Cleanup Action Taken.\*

The release impacted approximately 13,500 sq. ft. of caliche well pad, the fluid puddled up in an area measuring approximately 4,500 sq. ft. the remainder of the area was misted with fluid that saturated from 1/2 inch to less than 1/8 inch. The free standing fluid was recovered with a vacuum truck. Samples were collected, and based on laboratory analytical data and NMOCD approval: the contaminated soil has been excavated and hauled to a state approved disposal facility, a liner installed over areas of deeper contamination, and the excavation backfilled with clean soil.

The spill area has been cleaned up in accordance to the NMOCD and BLM remediation guidelines.

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: 		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Bradley Blevins		Approved by Environmental Specialist:	
Title: Assistant Remediation Foreman		Approval Date:	Expiration Date:
E-mail Address: bblevins@basspet.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>6-15-2015</u> Phone: 432-214-3704			

\* Attach Additional Sheets If Necessary