

ENVIRONMENTAL PLUS, INC.

2100 AVE 'O'
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CLOSURE REPORT

BOPCO, L.P.
PLU-CVX-JV-BS 27-1H
Eddy County, New Mexico
Unit Letter "E", Section 3, Township 25 South, Range 31 East
Latitude 32.160773 North, Longitude 103.770594 West
NMOCD Reference #2RP-2508

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

December 2014

Daniel Dominguez
Project Manager



16 December 2014

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

RE: Final Closure Report
Bopco – PLU-CVX-JV-BS 27-1H
UL-E, Section 3, Township 25 South, Range 31 East
Eddy County, New Mexico
NMOCD Reference # 2RP 2508

Mr. Bratcher:

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

Background Information:

A pickup truck operated by Baker Hughes backed over a 10 inch lay flat frac hose creating a tear. The line was isolated and a section of hose was replaced. The spill impacted approximately 1,800 sq. ft. of caliche lease road and bar-ditch. A vacuum truck on-site recovered the free standing fluid. The remainder of the spill soaked into the road. A sampling event was conducted to determine the need for further remediation.

Remediation Activities:

EPI personnel mobilized on the site on October 24, 2014 to collect soil samples via hand auger to determine the vertical extent of contamination. A total of twenty-one (21) soil samples were collected from five (5) sample locations. On October 29, 2014 eight (8) additional, deeper, soil samples were collected from three (3) of the sample points; all samples were sent to Cardinal Labs in Hobbs, New Mexico; testing for Chloride concentrations. Laboratory analytical results indicate the release area is void of Chloride concentrations in excess of NMOCD Recommended Remedial Action Levels (RRALs) of 1,000 mg/Kg, in all samples except SP4. Chloride concentrations at SP4 exceed NMOCD RRALs only at a depth of four (4) to five (5) feet bgs (reference *Figure 3* and *Table 2*).

Closure Activities:

Based on laboratory analytical results of the samples collected on October 24 and 29, 2014, a notice of 'no further action required' was issued by the NMOCD for this site (reference *Table 2* and *Attachment III*).

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. Brad Blevins at (432) 214-3704 or via e-mail at 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 – Copy of NMOCD Email Notice of No Further Action Required
Attachment IV – Copy of Initial NMOCD Form C-141, Final C-141

FIGURES

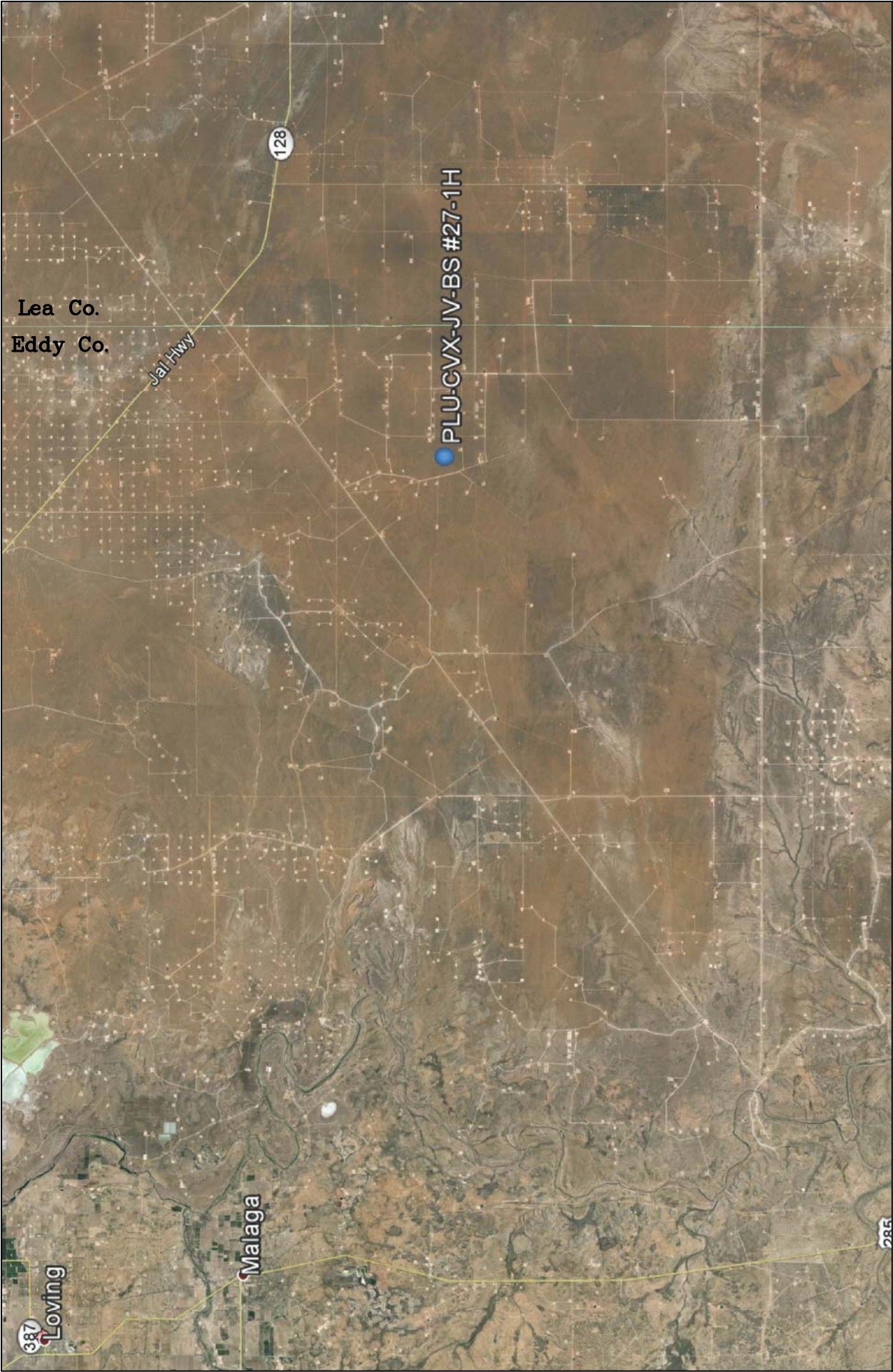
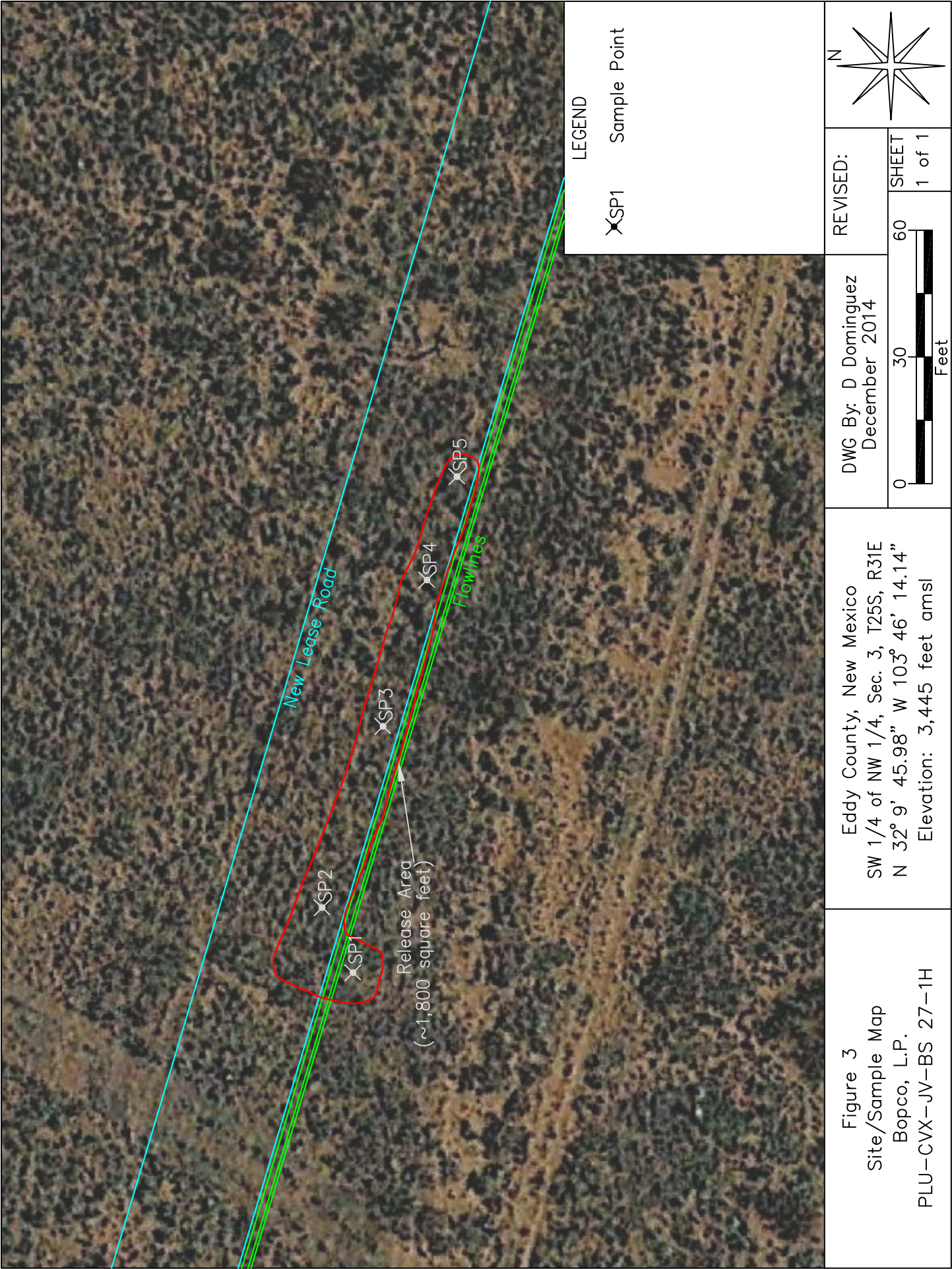


Figure 1 Area Map Bopco, L.P. PLU-CVX-JV-BS 27-1H		Eddy County, New Mexico SW 1/4 of NW 1/4, Sec. 3, T25S, R31E N 32° 9' 45.98" W 103° 46' 14.14" Elevation: 3,445 feet amsl		DWG By: D Dominguez December 2014		REVISED:		N 	
				0 3 6 Miles 		6		SHEET 1 of 1	



Figure 2 Site Location Map Bopco, L.P. PLU-CVX-JV-BS 27-1H	Eddy County, New Mexico SW 1/4 of NW 1/4, Sec. 3, T25S, R31E N 32° 9' 45.98" W 103° 46' 14.14" Elevation: 3,445 feet amsl	DWG By: D Dominguez December 2014	REVISED:			
		0	2,000		4,000	SHEET
					1 of 1	



TABLES

TABLE 1

Well Data**Bopco, L.P. - PLU-CVX-JV-BS 27-1H**

Ref #	Well Number	Use	Diversion ^A	Owner	q64	q16	q4	Sec	Twsp	Rng	Easting	Northing	Date Measured	Surface Elevation ^B	Depth to Water (ft bgs)
1	C 02569	COM	12	BUREAU OF LAND MANAGEMENT	4	4	2	2	25S	31E	618699	3558891	01-Jan-66	3,469	--
2	C 02570	COM	3	BUREAU OF LAND MANAGEMENT	4	2	4	2	25S	31E	618704	3558489	06-Apr-68	3,479	--
3	C 02571	COM	3	BUREAU OF LAND MANAGEMENT	4	1	2	2	25S	31E	618292	3559294	22-May-68	3,476	--
4	C 02572	COM	3	OXY USA INC	4	2	2	2	25S	31E	618695	3559294	12-Oct-68	3,479	--
5	C 02573	COM	3	BUREAU OF LAND MANAGEMENT	1	4	2	2	25S	31E	618499	3559091	10-Dec-73	3,473	--
6	C 02574	COM	12	OXY USA INC	1	1	2	2	25S	31E	618092	3559494	08-Dec-73	3,482	--
7	C 02959	STK	3	RICHARDSON CATTLE COMPANY	1	3	2	33	24S	31E	614866	3560646		3,467	--

* = Data obtained from the New Mexico Office of the State Engineer Website (http://iwaters.ose.state.nm.us:7001/iWATERS/wr_RegisServlet) 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.

COM = Commercial

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 Results
Bopco L.P.
PLU-CVX-JV Big Sinks 27-1H

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	In Situ	24-Oct-14	--	60	--	--	--	--	--	--	--	--	--	<16.0
	1	In Situ	24-Oct-14	--	160	--	--	--	--	--	--	--	--	--	<16.0
	2	In Situ	24-Oct-14	--	160	--	--	--	--	--	--	--	--	--	<16.0
	3	In Situ	24-Oct-14	--	1,200	--	--	--	--	--	--	--	--	--	992
	4	In Situ	24-Oct-14	--	720	--	--	--	--	--	--	--	--	--	912
	5	In Situ	29-Oct-14	--	360	--	--	--	--	--	--	--	--	--	304
	6	In Situ	29-Oct-14	--	120	--	--	--	--	--	--	--	--	--	<16.0
SP2	Surface	In Situ	24-Oct-14	--	200	--	--	--	--	--	--	--	--	--	<16.0
	1	In Situ	24-Oct-14	--	200	--	--	--	--	--	--	--	--	--	<16.0
	2	In Situ	24-Oct-14	--	240	--	--	--	--	--	--	--	--	--	48
	3	In Situ	24-Oct-14	--	800	--	--	--	--	--	--	--	--	--	784
	4	In Situ	29-Oct-14	--	2,000	--	--	--	--	--	--	--	--	--	--
	5	In Situ	29-Oct-14	--	320	--	--	--	--	--	--	--	--	--	576
	6	In Situ	29-Oct-14	--	360	--	--	--	--	--	--	--	--	--	144
SP3	Surface	In Situ	24-Oct-14	--	160	--	--	--	--	--	--	--	--	--	<16.0
	1	In Situ	24-Oct-14	--	160	--	--	--	--	--	--	--	--	--	<16.0
	2	In Situ	24-Oct-14	--	200	--	--	--	--	--	--	--	--	--	32
	3	In Situ	24-Oct-14	--	200	--	--	--	--	--	--	--	--	--	112

TABLE 2
Summary of Soil Sample Field Testing and Laboratory Analytical Results
Bopco L.P.
PLU-CVX-JV Big Sinks 27-1H

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)
SP4	Surface	In Situ	24-Oct-14	--	160	--	--	--	--	--	--	--	--	--	<16.0
	1	In Situ	24-Oct-14	--	160	--	--	--	--	--	--	--	--	--	<16.0
	2	In Situ	24-Oct-14	--	160	--	--	--	--	--	--	--	--	--	<16.0
	3	In Situ	24-Oct-14	--	480	--	--	--	--	--	--	--	--	--	736
	4	In Situ	29-Oct-14	--	1,600	--	--	--	--	--	--	--	--	--	1,480
	5	In Situ	29-Oct-14	--	1,080	--	--	--	--	--	--	--	--	--	1,390
	6	In Situ	29-Oct-14	--	200	--	--	--	--	--	--	--	--	--	64
SP5	Surface	In Situ	24-Oct-14	--	160	--	--	--	--	--	--	--	--	--	<16.0
	1	In Situ	24-Oct-14	--	240	--	--	--	--	--	--	--	--	--	<16.0
	2	In Situ	24-Oct-14	--	160	--	--	--	--	--	--	--	--	--	<16.0
	3	In Situ	24-Oct-14	--	120	--	--	--	--	--	--	--	--	--	32
NMOCD Recommended Remedial Action Levels				100		10				50				5,000	1,000

-- = Not Analyzed
Bold values are in excess of NMOCD Recommended Remedial Action Levels

ATTACHMENTS

ATTACHMENT I
Photographs



Photograph #1 – Release Point



Photograph #2 – Looking across release area



Photograph #3 – Looking across release area



Photograph #4 – Looking across release area

ATTACHMENT II
Laboratory Analytical Results



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

October 31, 2014

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: BIG SINKS 27-1H-1

Enclosed are the results of analyses for samples received by the laboratory on 10/28/14 9:30.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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:	10/28/2014	Sampling Date:	10/24/2014
Reported:	10/31/2014	Sampling Type:	Soil
Project Name:	BIG SINKS 27-1H-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-E, SEC 3, T25S, R31E		

Sample ID: SP1 (SURFACE) (H403304-01)

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	10/28/2014	ND	416	104	400	0.00		

Sample ID: SP1 (1') (H403304-02)

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	10/28/2014	ND	416	104	400	0.00		

Sample ID: SP1 (2') (H403304-03)

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	10/28/2014	ND	416	104	400	0.00		

Sample ID: SP1 (3') (H403304-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	10/28/2014	ND	416	104	400	0.00	

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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:	10/28/2014	Sampling Date:	10/24/2014
Reported:	10/31/2014	Sampling Type:	Soil
Project Name:	BIG SINKS 27-1H-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-E, SEC 3, T25S, R31E		

Sample ID: SP1 (4') (H403304-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	10/28/2014	ND	416	104	400	0.00		

Sample ID: SP2 (SURFACE) (H403304-06)

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	10/28/2014	ND	384	96.0	400	4.08		

Sample ID: SP2 (1') (H403304-07)

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	10/28/2014	ND	384	96.0	400	4.08	

Sample ID: SP2 (2') (H403304-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/28/2014	ND	384	96.0	400	4.08	

Sample ID: SP2 (3') (H403304-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	10/28/2014	ND	384	96.0	400	4.08		

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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: 10/28/2014
Reported: 10/31/2014
Project Name: BIG SINKS 27-1H-1
Project Number: NONE GIVEN
Project Location: UL-E, SEC 3, T25S, R31E

Sampling Date: 10/24/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP3 (SURFACE) (H403304-10)

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	10/28/2014	ND	384	96.0	400	4.08		

Sample ID: SP3 (1') (H403304-11)

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	10/28/2014	ND	384	96.0	400	4.08	

Sample ID: SP3 (2') (H403304-12)

Chloride, SM4500CI-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	10/28/2014	ND	384	96.0	400	4.08		

Sample ID: SP3 (3') (H403304-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/28/2014	ND	384	96.0	400	4.08		

Sample ID: SP4 (SURFACE) (H403304-14)

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	10/28/2014	ND	384	96.0	400	4.08		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 10/28/2014
 Reported: 10/31/2014
 Project Name: BIG SINKS 27-1H-1
 Project Number: NONE GIVEN
 Project Location: UL-E, SEC 3, T25S, R31E

 Sampling Date: 10/24/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP4 (1') (H403304-15)

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	10/28/2014	ND	384	96.0	400	4.08		

Sample ID: SP4 (2') (H403304-16)

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	10/28/2014	ND	384	96.0	400	4.08	

Sample ID: SP4 (3') (H403304-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	10/28/2014	ND	384	96.0	400	4.08		

Sample ID: SP5 (SURFACE) (H403304-18)

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	10/28/2014	ND	384	96.0	400	4.08		

Sample ID: SP5 (1') (H403304-19)

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	10/28/2014	ND	384	96.0	400	4.08		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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Eunice NM, 88231
Fax To: (505) 394-2601

Received:	10/28/2014	Sampling Date:	10/24/2014
Reported:	10/31/2014	Sampling Type:	Soil
Project Name:	BIG SINKS 27-1H-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-E, SEC 3, T25S, R31E		

Sample ID: SP5 (2') (H403304-20)

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	10/28/2014	ND	384	96.0	400	4.08		

Sample ID: SP5 (3') (H403304-21)

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	10/28/2014	ND	384	96.0	400	4.08	

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

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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 BOPCO

Facility Name Big Sinks 27-1H

Location UL-E Sec. 3, T25S, R31E

Project Reference

EPI Sampler Name David Robinson

Bill To

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

ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING		BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO ₄ ²⁻)	pH	TCLP	OTHER >>>	PAH
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER								
1	SP1 (Surface)	G	1			X					X				X					
2	SP1 (1')	G	1			X					X				X					
3	SP1 (2')	G	1			X					X				X					
4	SP1 (3')	G	1			X					X				X					
5	SP1 (4')	G	1			X					X				X					
6	SP2 (Surface)	G	1			X					X				X					
7	SP2 (1')	G	1			X					X				X					
8	SP2 (2')	G	1			X					X				X					
9	SP2 (3')	G	1			X					X				X					
10	SP3 (Surface)	G	1			X					X				X					

Sample Relinquished

Date 10-24-14

Received By: [Signature]

Relinquished by: [Signature]

Date 10-24-14

Received By: (lab staff) [Signature]

Delivered by: [Signature]

Date 10-24-14

Received By: [Signature]

Sample Cool & Intact Yes

Checked By: [Signature]

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

#54

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

Bill To

ANALYSIS REQUEST

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 Big Sinks 27-1H
Location UL-E Sec. 3, T25S, R31E
Project Reference
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.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		BTX 8021B	TPH 8015M	CHLORIDES (Cl ⁻)	SULFATES (SO ₄ ²⁻)	pH	TCLP	OTHER >>>	PAH	
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE									TIME
	11 SP3 (1')	G	1			X					X		24-Oct-14	11:21			X					
	12 SP3 (2')	G	1			X					X		24-Oct-14	11:22			X					
	13 SP3 (3')	G	1			X					X		24-Oct-14	11:23			X					
	14 SP4 (Surface)	G	1			X					X		24-Oct-14	11:45			X					
	15 SP4 (1')	G	1			X					X		24-Oct-14	11:46			X					
	16 SP4 (2')	G	1			X					X		24-Oct-14	11:47			X					
	17 SP4 (3')	G	1			X					X		24-Oct-14	11:48			X					
	18 SP5 (Surface)	G	1			X					X		24-Oct-14	12:10			X					
	19 SP5 (1')	G	1			X					X		24-Oct-14	12:11			X					
	20 SP5 (2')	G	1			X					X		24-Oct-14	12:12			X					

Sampler Relinquished:

Date 10-24-14 Received By:

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

NOTES:

& tasavoie@basspet.com

Relinquished by:

Date 10-24-14

Time 4:30 PM

Received By: (lab staff)

Delivered by:

Date 10-24-14

Time 5:10 PM

Sample Cool & Intact

Yes No

Checked By:

5.70

#54

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 Big Sinks 27-1H

Location UL-E Sec. 3, T25S, R31E

Project Reference

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.

21 SP5 (3)

G

1

GROUND WATER

WASTEWATER

SOIL

CRUDE OIL

SLUDGE

OTHER:

ACID/BASE

ICE/COOL

OTHER

DATE

TIME

24-Oct-14

12:13

BTEX 8021B

TPH 8015M

CHLORIDES (Cl⁻)

SULFATES (SO₄²⁻)

pH

TCLP

OTHER >>>

PAH

Sampler Relinquished:

Date Received By:

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

Relinquished by:

Date Time

Received By: (lab staff)

NOTES:

& tasavotie@basspet.com

Delivered by:

5.7°C

Sample Cool & Intact

Checked By:



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

November 03, 2014

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: BIG SINKS 27-1H

Enclosed are the results of analyses for samples received by the laboratory on 10/29/14 15:35.

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,

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: 10/29/2014
 Reported: 11/03/2014
 Project Name: BIG SINKS 27-1H
 Project Number: NONE GIVEN
 Project Location: UL-E SEC. 3, T25S, R31E

 Sampling Date: 10/29/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: SP 1 (5') (H403335-01)

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	10/30/2014	ND	416	104	400	0.00	

Sample ID: SP 1 (6') (H403335-02)

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	10/30/2014	ND	416	104	400	0.00	

Sample ID: SP 2 (5') (H403335-03)

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	10/30/2014	ND	416	104	400	0.00	

Sample ID: SP 2 (6') (H403335-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/30/2014	ND	416	104	400	0.00	

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: 10/29/2014
Reported: 11/03/2014
Project Name: BIG SINKS 27-1H
Project Number: NONE GIVEN
Project Location: UL-E SEC. 3, T25S, R31E

Sampling Date: 10/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: SP 4 (4') (H403335-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1480	16.0	10/30/2014	ND	416	104	400	0.00	

Sample ID: SP 4 (5') (H403335-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1390	16.0	10/30/2014	ND	416	104	400	0.00	

Sample ID: SP 4 (6') (H403335-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/30/2014	ND	416	104	400	0.00	

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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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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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 Big Sinks 27-1H

Location UL-E Sec. 3, T25S, R31E

Project Reference

EPI Sampler Name David Robinson

Bill To

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

ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		ANALYSIS REQUEST										
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl ⁻)	SULFATES (SO ₄ ²⁻)	pH	TCLP	OTHER >>>	PAH		
4403335	1 SP1 (5')	G	1			X					X		29-Oct-14	10:10			X							
	2 SP1 (6')	G	1			X					X		29-Oct-14	10:11			X							
	3 SP2 (5')	G	1			X					X		29-Oct-14	10:30			X							
	4 SP2 (6')	G	1			X					X		29-Oct-14	10:50			X							
	5 SP4 (4')	G	1			X					X		29-Oct-14	11:30			X							
	6 SP4 (5')	G	1			X					X		29-Oct-14	11:32			X							
	7 SP4 (6')	G	1			X					X		29-Oct-14	12:10			X							
	8																							
	9																							
	10																							

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

Received By:

Date:

Time:

Received By: (lab staff)

Date:

Time:

Received By:

Date:

Time:

Sample Cool & Intact

Yes

No

Checked By:

Date:

ATTACHMENT III
Copy of NMOCD Email Notice of No Further Action
Required



BIG SINKS 27-1H

Blevins, Bradley <BBlevins@basspet.com>

Mon, Dec 15, 2014 at 8:30 AM

To: "Daniel Dominguez (ddominguezepi@gmail.com)" <ddominguezepi@gmail.com>

From: Patterson, Heather, EMNRD [mailto:Heather.Patterson@state.nm.us]

Sent: Tuesday, November 18, 2014 10:52 AM

To: Blevins, Bradley

Cc: Bratcher, Mike, EMNRD

Subject: RE: BIG SINKS 27-1H

Bradley,

Your request for no further action is approved. This site looks good to close.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Heather Patterson

Environmental Specialist

NMOCD District II

(575)748-1283 ext.101

From: Blevins, Bradley [mailto:BBlevins@BassPet.Com]

Sent: Wednesday, November 12, 2014 8:04 AM

To: Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD

Cc: Blevins, Bradley

Subject: FW: BIG SINKS 27-1H

Mike/ Heather

If you recall during our last meeting we discussed collecting further samples on the PLU Big Sinks 27-1H Frac Line release. It was discussed if the chloride numbers did not jump to an extremely high number we would be able to close with no further action required. Please find the attached lab data for the samples collected. At this time I would like to request no further action required at this site. If you have any questions or concerns please let me know. Thanks,

Brad Blevins

Assistant Remediation Foreman

BOPCO, LP

522 W. Mermod, Suite 704

Carlsbad, NM 88220

Office-575-887-7329

ATTACHMENT IV
Copy of Initial NMOCD Form C-141's
Final C-141's

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

NM OIL CONSERVATION

ARTESIA DISTRICT

SEP 22 2014

Form C-141
Revised August 8, 2011

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

RECEIVED

Release Notification and Corrective Action

Name of Company: BOPCO, L.P. <i>260737</i>		OPERATOR <input checked="" type="checkbox"/> Initial Report <input type="checkbox"/> Final Report
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220		Contact: Tony Savoie
Facility Name: PLU-CVX-JV #027H. The spill is 1470 ft. S.W. of the well pad		Telephone No. 575-887-7329
		Facility Type: Exploration and Production

Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-42111
------------------------	------------------------	----------------------

LOCATION OF RELEASE

Unit Letter	Section 3	Township 25S	Range 31E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
-------------	--------------	-----------------	--------------	---------------	------------------	---------------	----------------	----------------

Latitude N 32.162773 Longitude W 103.770594

NATURE OF RELEASE

Type of Release: Produced water	Volume of Release: 15 bbls.	Volume Recovered: 5 bbls
Source of Release: 10" lay flat frac hose	Date and Hour of Occurrence: 9/15/14 at approximately 10:38 p.m.	Date and Hour of Discovery: 9/15/14 at approximately 10:38 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD in person to Heather while in the Artesia office	
By Whom? Tony Savoie	Date and Hour 9/16/14 at approximately 12:00 p.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.*

A pickup truck operated by Baker Hughes backed over the frac hose creating a tear. The line was isolated and a section of hose was replaced.

Describe Area Affected and Cleanup Action Taken.*

The spill impacted approximately 1800 sq.ft. of caliche lease road and bar-ditch. A vacuum truck on-site recovered the free standing fluid. The remainder of the spill soaked into the road. The spill 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>		OIL CONSERVATION DIVISION	
Printed Name: Tony Savoie		Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Waste Management and Remediation Specialist		Approval Date: <i>9/23/14</i>	Expiration Date: <i>NA</i>
E-mail Address: tasavoie@basspet.com		Conditions of Approval:	
Date: <i>9/22/14</i> Phone: 432-556-8730		Remediation per O.C.D. Rules & Guidelines SUBMIT REMEDIATION PROPOSAL NO LATER THAN: <i>10/23/14</i>	

Attached ☐

* Attach Additional Sheets If Necessary

2RP-2508

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 #027H. The spill is 1,470 ft. S.W. of the well pad	Facility Type: Exploration and Production

Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-42111
------------------------	------------------------	----------------------

LOCATION OF RELEASE

Unit Letter E	Section 3	Township 25S	Range 31E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
------------------	--------------	-----------------	--------------	---------------	------------------	---------------	----------------	----------------

Latitude: N 32.160773° Longitude: W 103.770594°

NATURE OF RELEASE

Type of Release: produced water	Volume of Release: 15 bbls	Volume Recovered: 5 bbls
Source of Release: 10" lay flat frac hose	Date and Hour of Occurrence: 9/15/14 @ approx. 10:38 pm	Date and Hour of Discovery: 9/15/14 @ approx. 10:38 pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD in person to Heather while in Artesia office	
By Whom? Tony Savoie	Date and Hour: 9/16/14 @ approx. 12:00 pm	
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.*

A pickup truck operated by Baker Hughes backed over the frac hose creating a tear. The line was isolated and a section of hose was replaced.

Describe Area Affected and Cleanup Action Taken.*

The spill impacted approximately 1,800 sq. ft. of caliche lease road and bar-ditch. A vacuum truck on-site recovered the free standing fluid. The remainder of the spill soaked into the road. Samples were collected from the site and based on laboratory analytical results a notice of 'no further action required' was issued by the NMOCD for this site.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

OIL CONSERVATION DIVISION

Signature: 

Printed Name: Bradley Blevins

Title: Assistant Remediation Foreman

E-mail Address: bblevins@basspet.com

Date: 12-15-14

Phone: 432-214-3704

Approved by Environmental Specialist:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

* Attach Additional Sheets If Necessary