ENVIRONMENTAL PLUS, INC.

2100 AVE 'O' P.O. BOX 1558 EUNICE, NM 88231

ddominguezepi@gmail.com

Office: (575)394-3481 Fax: (575)394-2601



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

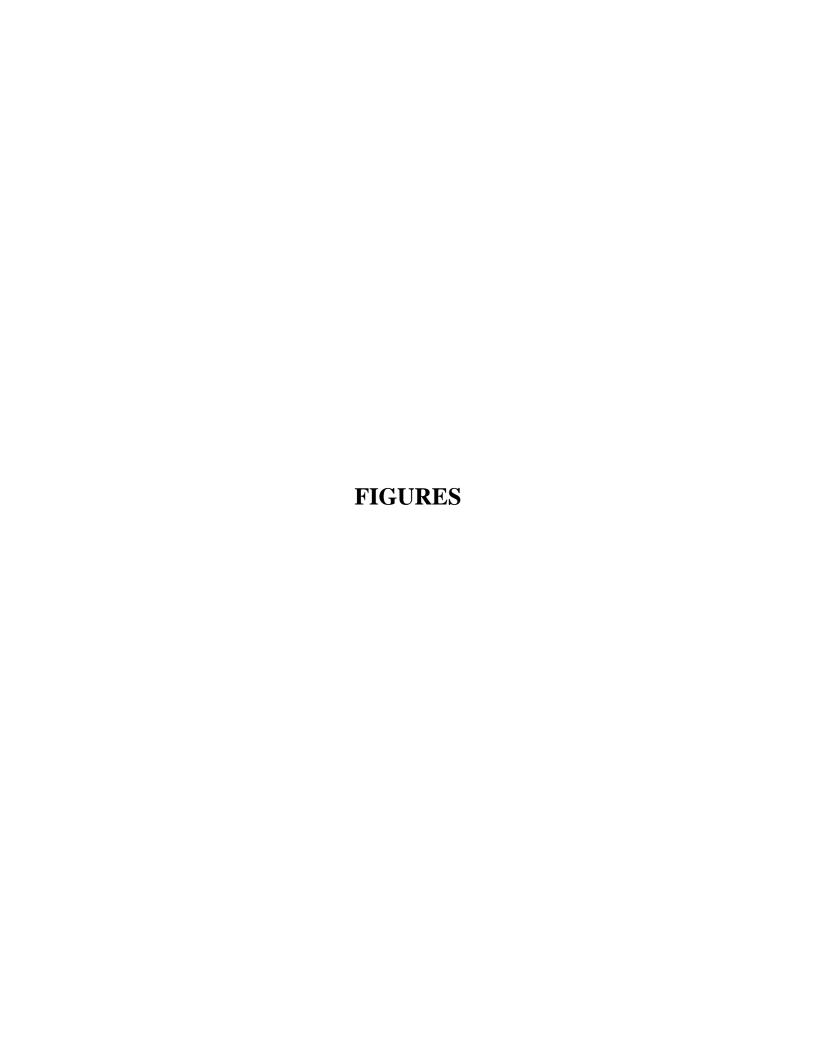
Table 2 – Summary of Soil Sample Field Testing and Laboratory Analytical Results

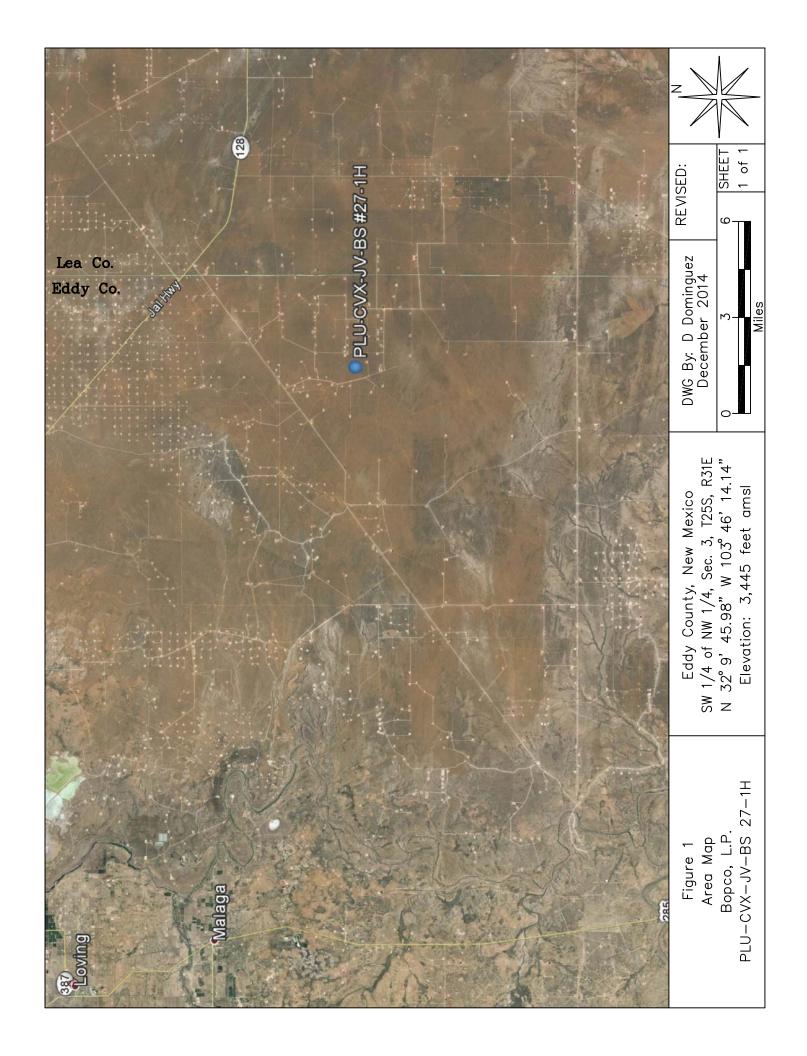
Attachment I – Photographs

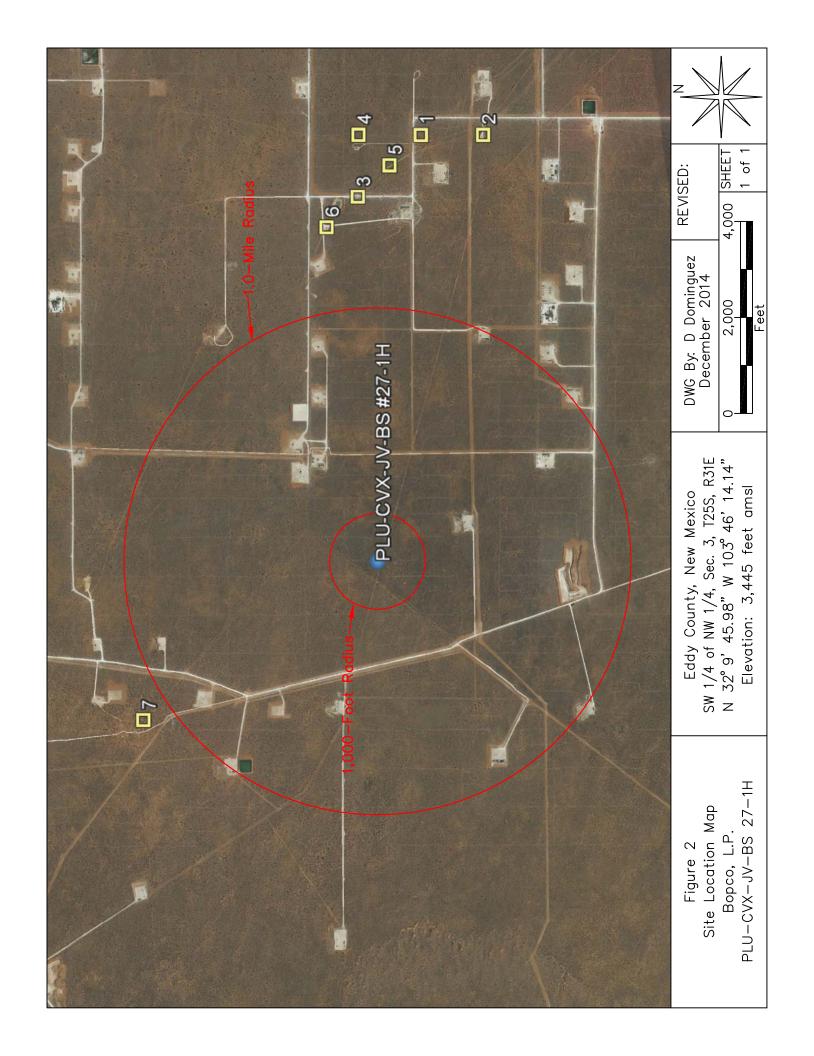
Attachment II – Laboratory Analytical Results

Attachment III - Copy of NMOCD Email Notice of No Further Action Required

Attachment IV – Copy of Initial NMOCD Form C-141, Final C-141







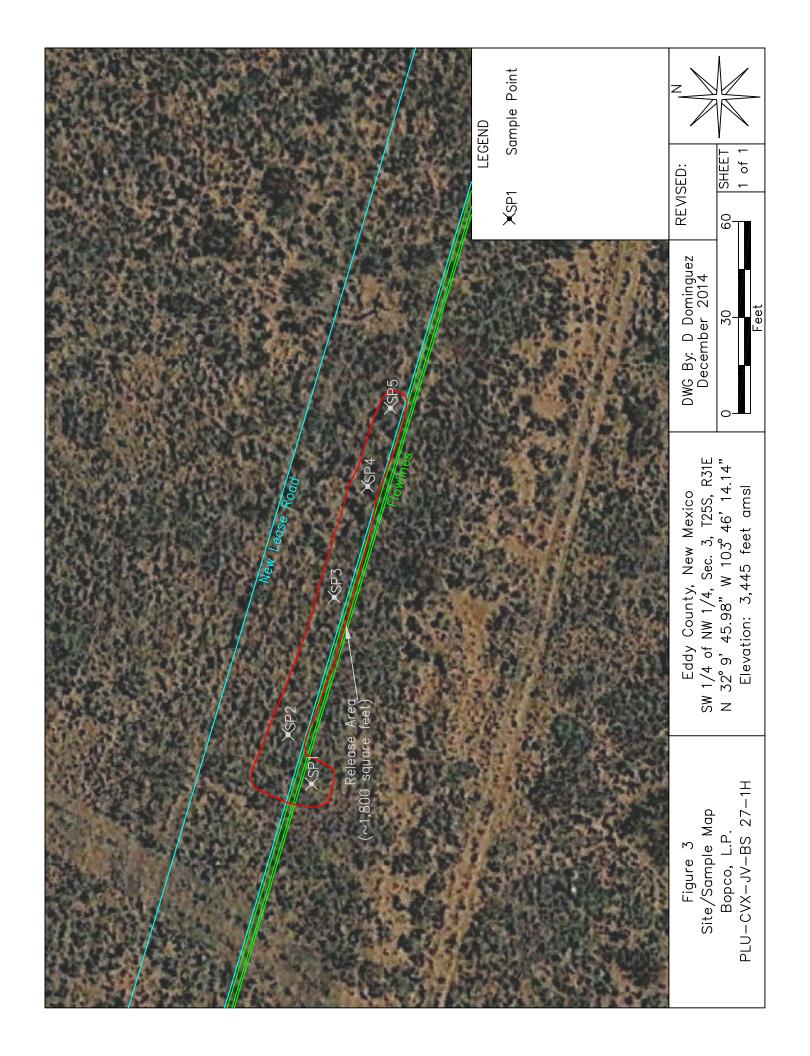




TABLE 1

Well Data

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

Ref#	Well Number	$\mathbf{U}_{\mathbf{Se}}$	Diversion ^A	Owner	q64	q16	d4	Sec 1	wsp	Rng	Easting	q64 q16 q4 Sec Twsp Rng Easting Northing	Date Surface Measured Elevation ^B		Depth to Water
															(ft bgs)
1	C 02569	COM	12	BUREAU OF LAND MANAGEMENT	4	4	2	2	25S 31E	31E	618699	3558891	3558891 01-Jan-66	3,469	-
2	C 02570	COM	3	BUREAU OF LAND MANAGEMENT	4	2	4	2	25S	31E	618704	3558489	3558489 06-Apr-68	3,479	-
3	C 02571	COM	3	BUREAU OF LAND MANAGEMENT	4	1 2	2	2	25S 31E	31E	618292	3559294	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	3559091 10-Dec-73	3,473	1
9	C 02574	COM	12	OXY USA INC	1	1	2	2	25S	31E	618092	3559494	3559494 08-Dec-73	3,482	-
7	C 02959	STK	3	RICHARDSON CATTLE COMPANY	1	3	2	33	3 2 33 24S 31E	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_RegisServlet1) and USGS Database

STK = 72-12-1 Livestock watering quarters are 1=NW, 2=NE, 3=SW, 4=SE; quarters are smallest to biggest

^{-- =} Data not provided on the NM iwaters website $^{\rm A}$ = In acre feet per annum

 $^{^{\}rm B}$ = Elevation interpolated from USGS topographical map based on referenced location. COM = Commercial

TABLE 2
Summary of Soil Sample Field Testing and Laboratory Analytical Results
Bopco L.P.

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	Chloride (mg/Kg)	<16.0	<16.0	<16.0	992	912	304	<16.0	<16.0	<16.0	48	784	-	576	144	<16.0	<16.0	32	112
		V	V	V	5	5	(1)	V	V	V	,	,		3)]	V	V		1
	Total TPH (mg/Kg)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	EXT DRO C28-C35 (mg/Kg)								1		1							1	-
	DRO C10-C28 (mg/Kg)	-	-	-	-	-			ŀ	-	ł	-	-	-		1	-	1	1
	GRO C6-C10 (mg/Kg)								ł		1					-		1	:
	Total BTEX (mg/Kg)	1	1	1	1	-	-	:	ł	1	1	1	1	1	1	1	1	1	1
ŀ	Total Xylenes (mg/Kg)	1	1	1	1	-	-	:	ł	1	1	1	1	1	1	1	1	1	:
PLU-CVX-JV Big Sinks 27-1H	Ethylbenzene (mg/Kg)				-				1		-							-	1
CVX-JV B	Toluene (mg/Kg)	-	-	-	-		-		1	:	1	-	-	-			:	1	!
PLU-	Benzene (mg/Kg)								:		1							1	
	Field Chloride (mg/Kg)	09	160	160	1,200	720	360	120	200	200	240	800	2,000	320	360	160	160	200	200
	PID Reading (ppm)	-	1	1	1	-	-	-	1	-	1	1	1	1	-		-	1	1
	Sample Date	24-Oct-14	24-Oct-14	24-Oct-14	24-Oct-14	24-Oct-14	29-Oct-14	29-Oct-14	24-Oct-14	24-Oct-14	24-Oct-14	24-Oct-14	29-Oct-14	29-Oct-14	29-Oct-14	24-Oct-14	24-Oct-14	24-Oct-14	24-Oct-14
	Soil Status	In Situ																	
	Depth (feet)	Surface	1	2	3	4	5	9	Surface	1	2	3	4	5	9	Surface	1	2	3
	Lab Sample ID	- 2			SP1						1	SP2					cas	SF3	

Summary of Soil Sample Field Testing and Laboratory Analytical Results

Bopco L.P.

					PLU-	CVX-JV B	PLU-CVX-JV Big Sinks 27-1H	E						
Soil	Status	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)
I	In Situ	24-Oct-14	:	160	:	-	-	-	-	-	:	!	-	<16.0
Ι	In Situ	24-Oct-14		160	:				-				1	<16.0
	In Situ	24-Oct-14		160	:				-				1	<16.0
	In Situ	24-Oct-14	1	480	1	:	-	1	;	:	1	1	1	736
	In Situ	29-Oct-14	-	1,600	1	-	1	:	1	-	-	1	1	1,480
	In Situ	29-Oct-14		1,080									-	1,390
	In Situ	29-Oct-14		200	-							-	-	64
	In Situ	24-Oct-14	1	160	1	1	1	1	1	1	1	1	1	<16.0
	In Situ	24-Oct-14		240	:				-				1	<16.0
	In Situ	24-Oct-14		160	:	-			-	-		-	1	<16.0
	In Situ	24-Oct-14		120	:	-			;			1	ŀ	32
e el	nended Reme Levels	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



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



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/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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



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	Analyze	d 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	Analyze	d 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, SM4500CI-B	mg/	'kg	Analyze	d 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	Analyze	d 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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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: Sample Received By: NONE GIVEN Jodi Henson

Project Location: UL-E, SEC 3, T25S, R31E

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	912	16.0	10/28/2014	ND	416	104	400	0.00	
Sample ID: SP2 (SURFA	CE) (H403304-0	06)							
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Claira	<16.0	16.0	10/28/2014	ND	384	96.0	400	4.08	
Chioride									
Sample ID: SP2 (1') (H4		/kg	Analyze	d By: AP					
Sample ID: SP2 (1') (H4	03304-07)	/kg Reporting Limit	Analyze Analyzed	d By: AP Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride Sample ID: SP2 (1') (H4 Chloride, SM4500Cl-B Analyte Chloride	03304-07) mg				BS 384	% Recovery 96.0	True Value QC 400	RPD 4.08	Qualifie
Sample ID: SP2 (1') (H4 Chloride, SM4500Cl-B	03304-07) mg, Result <16.0	Reporting Limit	Analyzed	Method Blank		•	•		Qualifie
Sample ID: SP2 (1') (H4 Chloride, SM4500CI-B Analyte Chloride Sample ID: SP2 (2') (H4	03304-07) mg, Result <16.0	Reporting Limit	Analyzed 10/28/2014	Method Blank		•	•		Qualifie
Sample ID: SP2 (1') (H4 Chloride, SM4500Cl-B Analyte Chloride	03304-07) mg, Result <16.0	Reporting Limit	Analyzed 10/28/2014	Method Blank ND		•	•		Qualifie

Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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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Celeg D. Keene



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: SP3 (SURFACE) (H403304-10)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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, SM4500Cl-B	mg/	'kg	Analyze	d 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	Analyze	d 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	Analyze	d 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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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: Sample Received By: NONE GIVEN Jodi Henson

Project Location: UL-E, SEC 3, T25S, R31E

Chloride, SM4500CI-B	mg	/kg	Analyze	d 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') (H40	03304-16)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d 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') (H40	03304-17)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
			10/28/2014	ND	384	96.0	400	4.08	

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

Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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, SM4500CI-B	mg	/kg	Analyze	d 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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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: 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	Analyze	d 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	

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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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Chain of Custody Form 8 of 10

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Chain of Custody Form 9 of 10

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Environmental Plus, Inc.

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

P.O. Box 1558, Eunice, NM 88231

Eunice New Mexico 88231 575-394-3481 / 575-394-2601 BOPCO Big Sinks 27-1H UL- E Sec. 3, T25S, R31E David Robinson David Robinson BOPCO, L.P. Attn: Brad Blevins 522 W. Mermod, Suite 704 Carlsbad, NM 88220 MATRIX PRESERV. SAMPLIN MATRIX PRESERV. SAMPLIN BOPCO, L.P. Attn: Brad Blevins 522 W. Mermod, Suite 704 Carlsbad, NM 88220 MATRIX PRESERV. SAMPLIN BOPCO, L.P. Attn: Brad Blevins 522 W. Mermod, Suite 704 Carlsbad, NM 88220 DATE DATE PA (I') BOPCO, L.P. Attn: Brad Blevins 522 W. Mermod, Suite 704 Carlsbad, NM 88220 DATE DATE PA (I') PA (Surface) G 1	Eunice New Mexico 88231 BOPCO Big Sinks 27-1H UL- E Sec. 3, T25S, R31E David Robinson David Robinson P3(1') G 1	Eunice New Mexico 88231	Company Name EPI Project Manager Mailing Address	Environmental Plus, Inc. Daniel Dominguez P.O. BOX 1558	is, inc									m	Bill To	[0				P	Z	7		SIS	'SIS RE	'SIS REQU	SIS REQUES	ANALYSIS REQUEST
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#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

	Delivered by:	Relinquished by:	Sample Nemindiano.		30	29	28	27	26	25	24	23	22	21 S	LAB I.D.		EPI Sampler Name	Project Reference	Location	Facility Name	Client Company	EPI Phone#/Fax#	City, State, Zip	Mailing Address	EPI Project Manager	Company Name	(3/3) 394-3401 17
2.11.0	o Sar	Time C : 50	Fine you	Date										21 SP5 (3')	SAMPLE I.D.		David Robinson		UL- E Sec. 3, T25S,	Big Sinks 27-1H	ВОРСО	575-394-3481 / 575-394-2601	Eunice New Mexico 88231	P.O. BOX 1558	er Daniel Dominguez	Environmental Plus, Inc.	TAX. (010) 394-2001
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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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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



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

Received: 10/29/2014 Sampling Date: 10/29/2014

Reported: 11/03/2014 Sampling Type: Soil

Project Name: BIG SINKS 27-1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Kathy Perez

Project Location: UL-E SEC. 3, T25S, R31E

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

Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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') (H40	03335-02)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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') (H40	03335-03)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte									
	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	Result 576	Reporting Limit	Analyzed 10/30/2014	Method Blank	BS 416	% Recovery	True Value QC 400	RPD 0.00	Qualifier
Chloride Sample ID: SP 2 (6') (H40	576		,			•	·		Qualifier
	576	16.0	10/30/2014			•	·		Qualifier
Sample ID: SP 2 (6') (H40	576 03335-04)	16.0	10/30/2014	ND		•	·		Qualifier

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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

Fax To: (505) 394-2601

Received: 10/29/2014 Sampling Date: 10/29/2014

Reported: 11/03/2014 Sampling Type: Soil

Project Name: BIG SINKS 27-1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Kathy Perez

Project Location: UL-E SEC. 3, T25S, R31E

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 10/30/2014 ND 416 104 400 0.00 16.0

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

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

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

Chloride, SM4500CI-B	mg	/kg	Analyze	d 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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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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Chain of Custody Form

Cardinal

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

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



BIG SINKS 27-1H

Blevins, Bradley <BBlevins@basspet.com>

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

Mon, Dec 15, 2014 at 8:30 AM

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
Tel Bradena Miles FMNDD: Betterner Health or FMNDD

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

NM OIL CONSERVATION ARTESIA DISTRICT

<u>District I</u> 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**

SEP 2 2 2014

Form C-141 Revised August 8, 2011

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

Submit 1 Copy to appropriate District Office in RECEIVED NMAC.

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Signature:	کی میں	Same									1			7		
Printed Name:	Tony Savoid	e	·			Αŗ	proved by E	Environment	al Sp	ecialist:	H			<u></u>		
Title: Waste M	lanagement a	and Remedia	ion Spec	alist		Αp	proval Date	9/23/	14	E	xpiratio	on D	ate:	'A		
E-mail Addres	s: tasavoie@	basspet.com		.,,			nditions of A						Attached	ı 🗆		
Date: 9/6	22/14			432- <u>55</u> 6-8730	Rer	m Bi	ediation p MIT REME	er O.C.D.	Rul PR	es & (OPOS	Guide	line	S	· <u> </u>		
Attach Addition	onal Sheets	If Necessar	У				R THAN:	10/23	14			_		ZRP-	250	18

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

Revised August 8, 2011

Form C-141

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

	Release Notifica	ation	and Cor	rective Ac	tion						
		(OPERAT	OR a	Initial F	Report Final Report					
Name of Company: BOPCO, L.P.			Contact: Bra	dley Blevins							
Address: 522 W. Mermod, Suite 70	4 Carlsbad, N.M. 88220		Telephone No. 575-887-7329								
Facility Name: PLU-CVX-JV #027 S.W. of the well pad	H. The spill is 1,470 ft.		Facility Typ	e: Exploration a	nd Production						
Surface Owner: Federal	Mineral C	Owner:	Federal	30-015-42111							
र राज्यसूच्या । वे प्र	LOCA'	TION	OF REL	EASE							
Unit Letter Section Township 3 25S	Range Feet from the 31E		/South Line	Feet from the	East/West Line	County Eddy					
20,000, 3000, 30	31 28 91 2										
	Latitude: N 32.16	50773°	Longitude	<u>W 103.770594</u>	<u>o</u>						
	NAT	URE (OF RELE	ASE							
Type of Release: produced water			Volume of	Release: 15 bbls		ecovered: 5 bbls					
Source of Release: 10" lay flat frac hos	se	-		Iour of Occurrenc		Hour of Discovery:					
	///			approx. 10:38 pm	9/15/14@	approx. 10:38 pm					
Was Immediate Notice Given?	Yes No Not R	equired	If YES, To NMOCD i		er while in Artesis o	ffice					
By Whom? Tony Savoie	515165	0		Iour: 9/16/14 @ a							
Was a Watercourse Reached?			If YES, Volume Impacting the Watercourse:								
	Yes No		Not Applie	cable							
Describe Cause of Problem and Remed A pickup truck operated by Baker Hug	that Action Taken.	nose crea	ating a tear. T	he line was isolate	ed and a section of h	ose was replaced.					
Describe Area Affected and Cleanup A The spill impacted approximately 1,80 of the spill soaked into the road. Samp issued by the NMOCD for this site.	0 sq. ft. of caliche lease ro les were collected from the	e site and	d based on lab	oratory analytical	results a notice of	no further action required' was					
I hereby certify that the information give regulations all operators are required to public health or the environment. The should their operations have failed to a or the environment. In addition, NMO federal, state, or local laws and/or regu	o report and/or file certain acceptance of a C-141 rep dequately investigate and CD acceptance of a C-141	release i ort by the remedia	notifications a ne NMOCD m te contaminat	nd perform correct parked as "Final R ion that pose a thr	ctive actions for rele eport" does not relice teat to ground water,	ases which may endanger eve the operator of liability surface water, human health					
1 ·	2		OIL CONSERVATION DIVISION								
Signature: Dradley B	1	9.0									
Printed Name: Bradley Blevins			Approved by Environmental Specialist:								
Title: Assistant Remediation Foreman			Approval Da	te:	Expiration I	Expiration Date:					
E-mail Address: bblevins@basspet.com	n		Conditions o	f Approval:		Attached					
Date: /2-/5-/4/ Attach Additional Sheets If Necessar	Phone: 432-214-3704	· ·	K B		*						