

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

2100 AVE 'O'  
P.O. BOX 1558  
EUNICE, NM 88231  
[ddominguezepi@gmail.com](mailto:ddominguezepi@gmail.com)  
Office: (575)394-3481  
Fax: (575)394-2601



## **CLOSURE REPORT**

**BOPCO, L.P.**  
**PLU CVX JV BS #008H East Riser**  
**Eddy County, New Mexico**  
**Unit Letter "N", Section 14, Township 25 South, Range 30 East**  
**Latitude 32.13089 North, Longitude 103.84192 West**  
**NMOCD Reference #2RP-3495**

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

**March 2016**

---

Daniel Dominguez  
Project Manager



15 March 2016

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

RE: Final Closure Report  
Bopco, L.P. – PLU-CVX-JV-BS #008H East Riser  
UL-N, Section 14, Township 25 South, Range 30 East  
Eddy County, New Mexico  
NMOCD Reference #'s 2RP 3495

Mr. Bratcher:

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

**Background Information:**

The release occurred when a pinhole developed on the SWD riser at the tie in point of the main SWD line. The riser is located on the east side of Buck Jackson on the ROW. A vacuum truck was called to the location and was able to recover 6 barrels of produced water.

**Remediation Activities:**

EPI personnel mobilized on the site on January 25, 2016 to collect soil samples to determine the vertical extent of contamination. A total of eight (8) soil samples were collected from two (2) sample locations; SP1 and SP2. Two (2) representative samples were sent to Cardinal Labs in Hobbs, New Mexico, for testing. Laboratory analytical results indicate the release area to be void of Chloride concentrations in excess of NMOCD Recommended Remedial Action Levels (RRALs) of 1,000 mg/Kg (reference *Figure 3* and *Table 2*).

The release area around the riser was excavated to a depth of approximately one (1) foot bgs; the remainder of the release area was surface scraped. Approximately 28 yards of contaminated soil was excavated and hauled to a state approved facility for disposal.

**Closure Activities:**

Based on laboratory analytical data and NMOCD approval, the excavation was backfilled with approximately 28 yards of clean soil. The entire disturbed area was then contoured to blend with existing ROW 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.  
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 III – Laboratory Analytical Results  
Attachment IV – Copy of Initial NMOCD Form C-141, Final C-141

## **FIGURES**

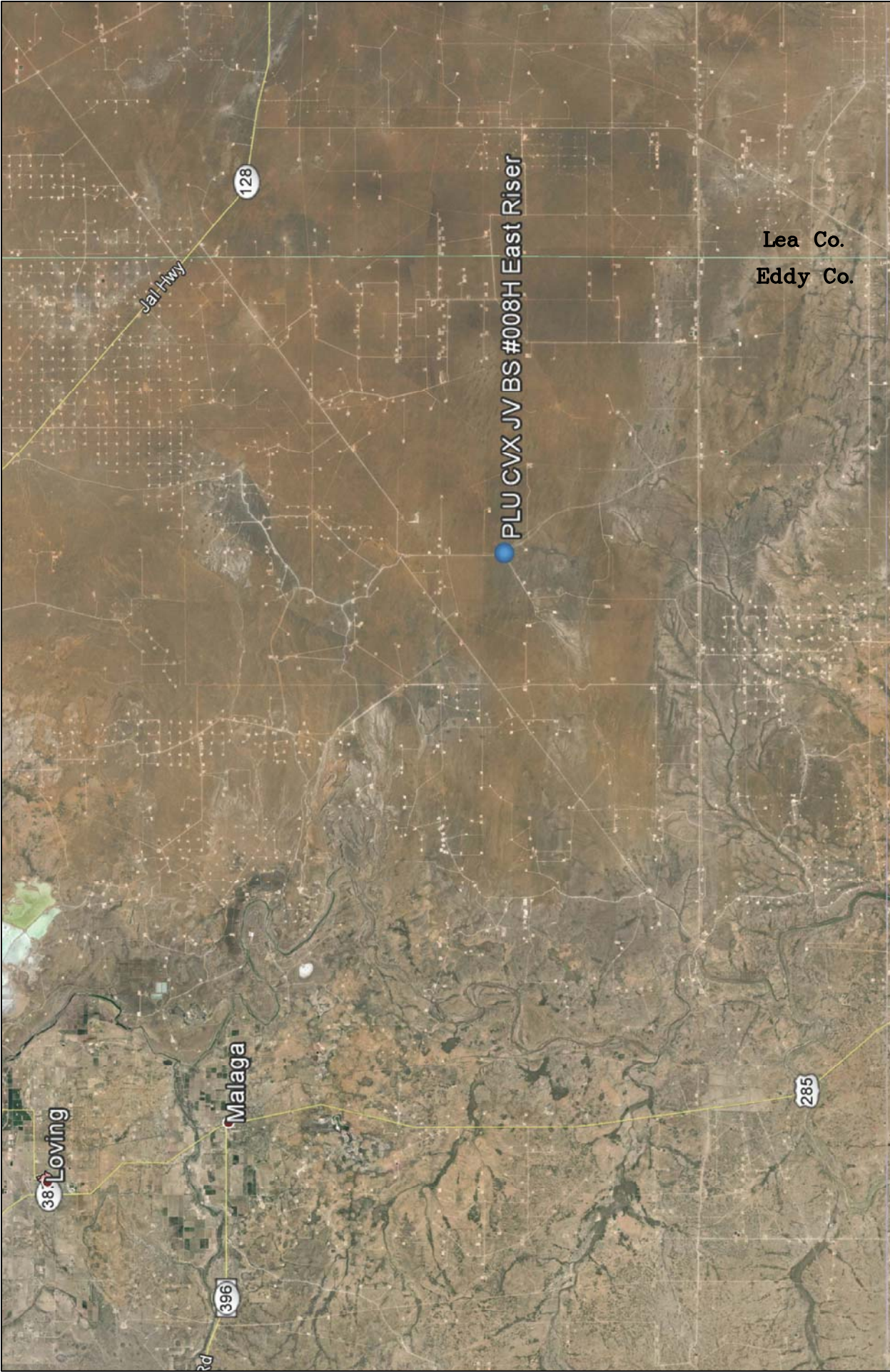


Figure 1 Area Map Bopco, L.P. PLU CVX JV BS #008H East Riser		Eddy County, New Mexico SE 1/4 of SW 1/4, Sec. 14, T25S, R30E N 32° 07' 51.00" W 103° 50' 30.82" Elevation: 3,372 feet amsl		DWG By: D Dominguez March 2016		REVISED:			
				0 3 6 Miles		6		SHEET	
								1 of 1	



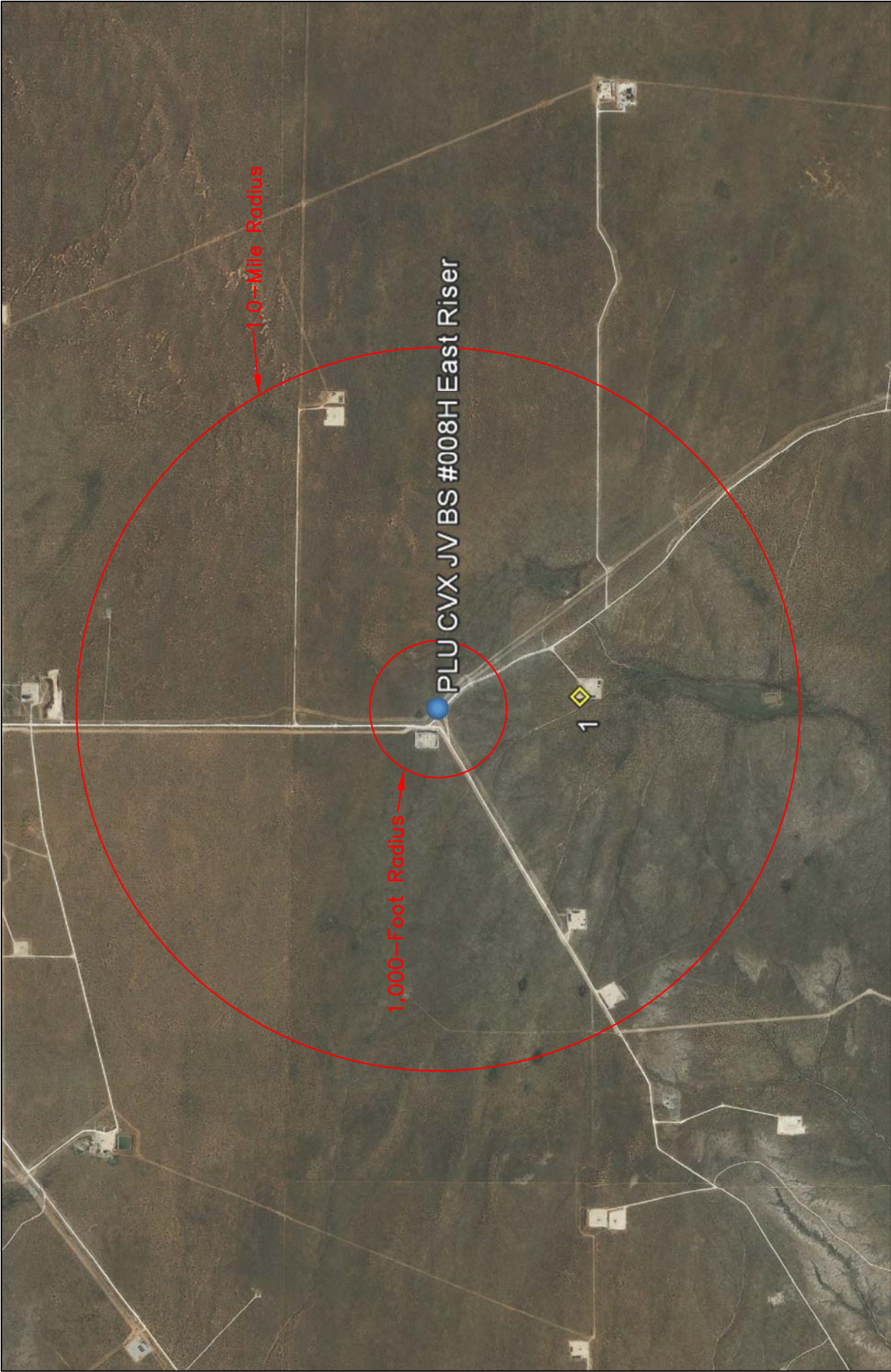

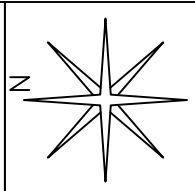


Figure 2 Site Location Map Bopco, L.P. PLU CVX JV BS #008H East Riser	Eddy County, New Mexico SE 1/4 of SW 1/4, Sec. 14, T25S, R30E N 32° 07' 51.00" W 103° 50' 30.82" Elevation: 3,372 feet amsl	DWG By: D Dominguez March 2016	REVISED:
		0 2,000 4,000 Feet	SHEET 1 of 1
			





	<p>Figure 3 Site/Sample Map Bopco, L.P. PLU CVX JV BS #008H East Riser</p>		<p>Eddy County, New Mexico SE 1/4 of SW 1/4, Sec. 14, T25S, R30E N 32° 07' 51.00" W 103° 50' 30.82" Elevation: 3,372 feet amsl</p>		<p>DWG By: D Dominguez March 2016</p>	<p>REVISED:</p>	<p>LEGEND</p> <p>XSP1 Sample Point</p> 
				<p>0 60 120 Feet</p>	<p>SHEET 1 of 1</p>		

## **TABLES**



TABLE 1

Well Data**Bopco, L.P. - PLU CVX JV BS #008H East Riser**

Ref #	Well Number	Use	Diversion <sup>A</sup>	Owner	q64	q16	q4	Sec	Twsp	Rng	Easting	Northing	Distance <sup>B</sup>	Date Measured	Surface Elevation <sup>C</sup>	Depth to Water (ft.bgs)
1	C 03781	EXP	0	BOPCO, L.P.	3	3	3	13	25S	30E	609305	3554761	766	10-Jan-15	3,304	325

\* = 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))

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

<sup>B</sup> = In meters

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

EXP = Exploration

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 CVX JV BS #008H East Riser**

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	25-Jan-16	18.6	>4,000	--	--	--	--	--	--	--	--	--	--
	1	In Situ	25-Jan-16	5.6	>4,000	--	--	--	--	--	--	--	--	--	--
	2	In Situ	25-Jan-16	2.0	80	--	--	--	--	--	--	--	--	--	<16.0
	3	In Situ	25-Jan-16	1.1	80	--	--	--	--	--	--	--	--	--	--
SP2	Surface	Excavated	25-Jan-16	4.9	>4,000	--	--	--	--	--	--	--	--	--	--
	1	In Situ	25-Jan-16	4.4	480	--	--	--	--	--	--	--	--	--	--
	2	In Situ	25-Jan-16	3.9	80	--	--	--	--	--	--	--	--	--	32
	3	In Situ	25-Jan-16	2.1	120	--	--	--	--	--	--	--	--	--	--
NMOCD Recommended Remedial Action Levels				100		10				50				5,000	1,000

-- = Not Analyzed

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

Shaded values indicates soil has been excavated

## **ATTACHMENTS**



**ATTACHMENT I**  
**Photographs**



Photograph #1 – Southern view across release area



Photograph #2 – Northern view across release area





Photograph #3 – Excavated area around riser



Photograph #4 – Surface scraped at south end of release area





Photograph #5 – Backfilled



Photograph #6 – Backfilled

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



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

---

January 27, 2016

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: PLU BS #008H EAST RISER

Enclosed are the results of analyses for samples received by the laboratory on 01/26/16 15:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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: 01/26/2016  
Reported: 01/27/2016  
Project Name: PLU BS #008H EAST RISER  
Project Number: NONE GIVEN  
Project Location: UL-E SEC. 13, T25S, R30E

Sampling Date: 01/25/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 (2') (H600180-01)**

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	01/27/2016	ND	400	100	400	0.00	

**Sample ID: SP 2 (2') (H600180-02)**

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	01/27/2016	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 BS #008H East Riser

Location UL-E Sec. 13, T25S, R30E

AFE#

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		ANALYSIS REQUEST									
				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 >>>	PAH	
H10001540	1 SP1 (2')	G	1			X					X		25-Jan-16	10:08			X						
	2 SP2 (2')	G	1			X					X		25-Jan-16	10:42			X						
	3																						
	4																						
	5																						
	6																						
	7																						
	8																						
	9																						
	10																						

Sampler Relinquished:

David Robinson

Relinquished by:

David Robinson

Date 1/26/16

Time 6:00 am

Date 1/26/16

Time 3:42 pm

Received By:

David Robinson

Received By: (lab staff)

Sample Ctd & Intact

Yes No

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

NOTES:

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



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

State of New Mexico  
Energy Minerals and Natural Resources

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

NM OIL CONSERVATION

ARTESIA DISTRICT

JAN 18 2016

Form C-141  
Revised August 8, 2011

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

RECEIVED

Release Notification and Corrective Action

NAB1601536561 OPERATOR ☒ Initial Report ☐ Final Report

Name of Company: BOPCO, L.P. 2100737	Contact: Bradley Blevins	
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220	Telephone No. 575-887-7329	
Facility Name: PLU CVX JV BS 008H	Facility Type: Exploration and Production	
Surface Owner: Federal	Mineral Owner:	API No. 3001539508

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	14	25S	30	300		1980		Eddy

Latitude: 32.13089 Longitude: 103.84192

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 15 barrels	Volume Recovered: 6 barrels
Source of Release: Pinhole in SWD Riser	Date and Hour of Occurrence 1-8-2016 @ 9:00am	Date and Hour of Discovery 1-8-2016 @ 9:30am
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
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 pinhole developed on SWD riser tie in to main line due to internal corrosion. A vacuum truck was called to location and was able to recover 6 barrels of produced water from the ground surface.

Describe Area Affected and Cleanup Action Taken.\*

The release occurred on the SWD riser at the tie in point of the main SWD line, the riser is located on the east side of Buck Jackson on the ROW. A vacuum truck was called to the location and was able to recover 6 barrels of produced water.

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: <u>Bradley Blevins</u>	OIL CONSERVATION DIVISION	
Printed Name: Bradley Blevins	Approved by Environmental Specialist: <u>[Signature]</u>	
Title: Assistant Remediation Foreman	Approval Date: <u>1/15/16</u>	Expiration Date: <u>N/A</u>
E-mail Address: bblevins@basspet.com	Conditions of Approval: <b>Remediation per O.C.D. Rules &amp; Guidelines</b> <b>SUBMIT REMEDIATION PROPOSAL NO</b>	
Date: <u>1-12-2016</u> Phone: 432-214-3704	Attached <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary

LATER THAN: 1/18/16

2RP-3495

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-JV-CVX-BS #008H; 2RP #3495	Facility Type: Exploration and Production

Surface Owner: Federal	Mineral Owner:	API No. 30-015-39508
------------------------	----------------	----------------------

### LOCATION OF RELEASE

Unit Letter N	Section 14	Township 25S	Range 30E	Feet from the 300	North/South Line South	Feet from the 1980	East/West Line West	County Eddy
------------------	---------------	-----------------	--------------	----------------------	---------------------------	-----------------------	------------------------	----------------

Latitude: N 32.13089° Longitude: W 103.84192°

### NATURE OF RELEASE

Type of Release: produced water	Volume of Release: 15 bbls	Volume Recovered: 6 bbls
Source of Release: pinhole in SWD riser	Date and Hour of Occurrence: 1/8/16 @ 9 am	Date and Hour of Discovery: 1/8/16 @ 9:30 am
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
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 pinhole developed on SWD riser tie in to main line due to internal corrosion. A vacuum truck was called to location and was able to recover 6 barrels of produced water from the ground surface.

#### Describe Area Affected and Cleanup Action Taken.\*

The release occurred on the SWD riser at the tie in point of the main SWD line, the riser is located on the east side of Buck Jackson on the ROW. A vacuum truck was called to the location and was able to recover 6 barrels of produced water. Contaminated soil was excavated and hauled to a state approved disposal facility and samples were collected. Based on laboratory analytical data and NMOCD approval the excavation has been backfilled with clean soil.

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

### OIL CONSERVATION DIVISION

Signature:



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 ☐

Date: 3-18-16

Phone: 432-214-3704

\* Attach Additional Sheets If Necessary