

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 #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 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,

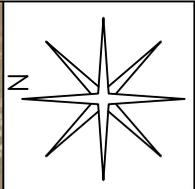
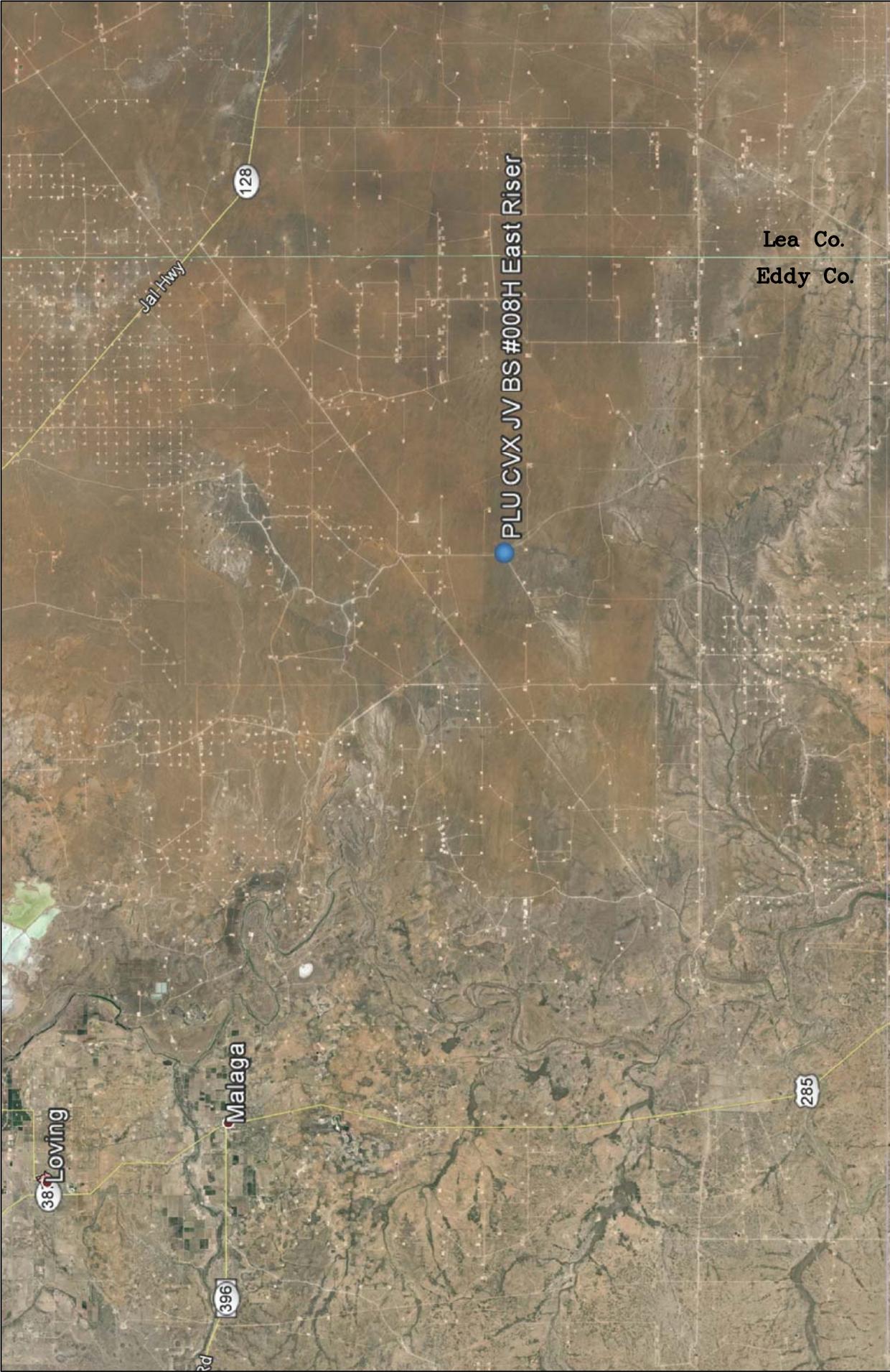
ENVIRONMENTAL PLUS, INC.

Daniel Dominguez
Environmental Consultant

cc: Brad Blevins, EHS Asst. Remediation Foreman – Bopco, L.P.
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



REVISSED:

DWG By: D Dominguez March 2016	6	SHEET
	0 3 6	1 of 1

Miles

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

Figure 1
 Area Map
 Bopco, L.P.
 PLU CVX JV BS #008H East Riser

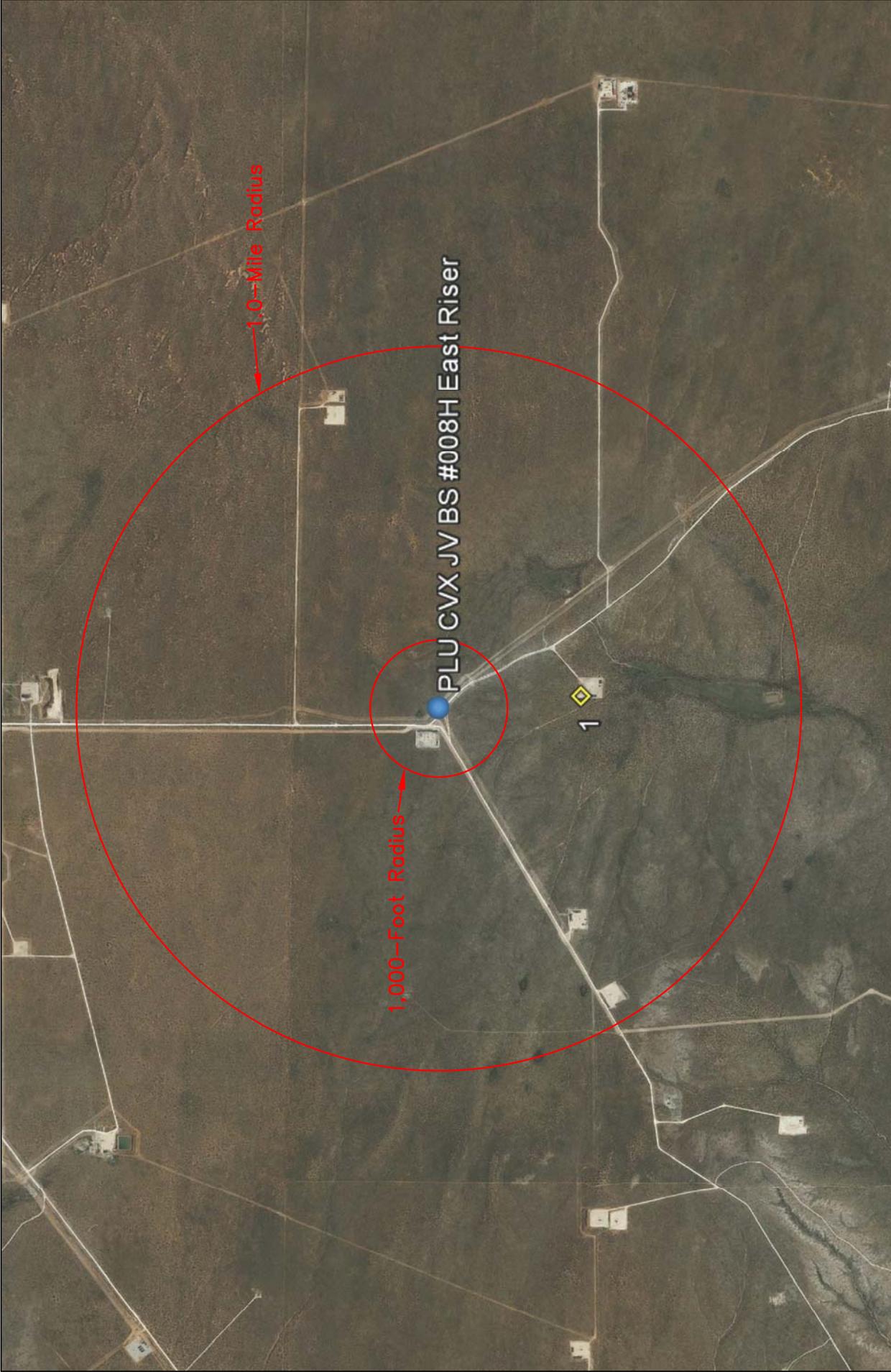


Figure 2
 Site Location Map
 Bopco, L.P.
 PLU CVX JV BS #008H East Riser

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 SHEET
 Feet 1 of 1



LEGEND

XSP1 Sample Point

REVISED:

DWG By: D Dominguez
March 2016

0 60 120
Feet

SHEET
1 of 1

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

Figure 3
Site/Sample Map
Bopco, L.P.
PLU CVX JV BS #008H East Riser

TABLES

TABLE 1

Well Data

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

Ref #	Well Number	Use	Diversion ^A	Owner	q64	q16	q4	Sec	Twsp	Rng	Easting	Northing	Distance ^B	Date Measured	Surface Elevation ^C	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)

^A = In acre feet per annum

^B = In meters

^C = 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



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.

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".

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	Sampling Date:	01/25/2016
Reported:	01/27/2016	Sampling Type:	Soil
Project Name:	PLU BS #008H EAST RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-E SEC. 13, T25S, R30E		

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



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

AFFE#

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	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl ⁻)	SULFATES (SO ₄ ²⁻)	pH	TCLP	OTHER >>>	PAH
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:												
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* Date: 1/26/16 Received By: *[Signature]*

Relinquished by: *[Signature]* Date: 1/26/16 Time: 6:00 am

Time: *6:00 am* Received By: (lab staff) *[Signature]*

Delivered by: *[Signature]* -2.42 Sample Ctd & Intact (Yes) No Checked By: *[Signature]*

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

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

NM OIL CONSERVATION
ARTESIA DISTRICT

State of New Mexico
Energy Minerals and Natural Resources

JAN 18 2016

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
concordance with 19.15.29 NMAC.

RECEIVED

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

Release Notification and Corrective Action

NAB1601536561 OPERATOR Initial Report Final Report

Name of Company: BOPCO, L.P. <i>2100737</i>	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: <i>Bradley Blevins</i>	OIL CONSERVATION DIVISION	
Printed Name: Bradley Blevins	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Assistant Remediation Foreman	Approval Date: <i>1/15/16</i>	Expiration Date: <i>NIA</i>
E-mail Address: bblevins@basspet.com	Conditions of Approval: <input type="checkbox"/> Attached	
Date: <i>1-12-2016</i> Phone: 432-214-3704	Remediation per O.C.D. Rules & Guidelines	

SUBMIT REMEDIATION PROPOSAL NO
LATER THAN: *1/18/16*

2RP-3495

* Attach Additional Sheets If Necessary

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
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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: 	Approved by Environmental Specialist:	
Printed Name: Bradley Blevins	Approval Date:	Expiration Date:
Title: Assistant Remediation Foreman	Conditions of Approval:	
E-mail Address: bblevins@basspet.com	Attached <input type="checkbox"/>	
Date: <u>3-18-16</u> Phone: 432-214-3704		

* Attach Additional Sheets If Necessary