

# ***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 #347H  
Eddy County, New Mexico  
Unit Letter "C", Section 11, Township 25 South, Range 30 East  
Latitude 32.150845 North, Longitude 103.855589 West  
NMOCD Reference #2RP-3931**

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**

**November 2016**

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**Daniel Dominguez  
Project Manager**



28 November 2016

Ms. Heather Patterson  
Environmental Specialist  
NMOCD  
811 S. First St.  
Artesia, New Mexico 88210

RE: Final Closure Report  
Bopco, L.P. – PLU #347H  
UL-C, Section 11, Township 25 South, Range 30 East  
Eddy County, New Mexico  
NMOCD Reference #'s 2RP 3931

Ms. Patterson:

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

**Background Information:**

The lease operator arrived on location and found the release was caused by corrosion on the nipple that connects the tubing gauge to the Baird BPV, the nipple broke off causing the release. Vacuum trucks were called to the location and were able to recover 230 barrels of fluid from the location. All fluid remained on the well pad.

**Remediation Activities:**

EPI personnel mobilized on the site on October 7, 2016 to collect soil samples to determine the vertical extent of contamination. A total of ten (10) soil samples were collected from two (2) sample locations; SP1 – SP2. All samples were sent to Cardinal Labs in Hobbs, New Mexico, for testing. Laboratory analytical results indicate that other than at surface level, the release area is void of Chloride concentrations in excess of NMOCD Recommended Remedial Action Levels (RRALs) of 1,000 mg/Kg (reference *Figure 3* and *Table 2*). Samples were not collected from the northern part of the release area so as not to compromise a twenty-millimeter (20-mm) polyethylene liner, measuring one hundred feet (100') by one hundred feet (100'), which was placed on the floor of the excavation around the well head on January 8, 2015, as part of the remediation of a previous spill (reference *Figure 3*).

The release area was surface scraped approximately three (3) – four (4) inches deep. Approximately 147 tons 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 147 tons of clean soil. The entire disturbed area was then contoured to blend with existing pad area and protected against wind/water erosion.



Should you have any questions or concerns please feel free to contact me at (575) 394-3481 or via e-mail at [ddominguezepi@gmail.com](mailto:ddominguezepi@gmail.com) or Mr. Brad Blevins at (432) 214-3704 or via e-mail at [bblevins@basspet.com](mailto:bblevins@basspet.com). All official communication should be addressed to:

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

Sincerely,

ENVIRONMENTAL PLUS, INC.

Daniel Dominguez  
Environmental Consultant

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



Lea Co.  
Eddy Co.

Jal Hwy

128

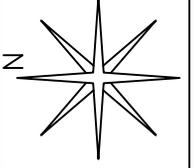
PLU #347

Loving

Malaga

Pecos Hwy

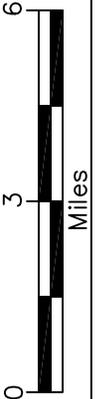
31D



REVISED:

DWG By: D Dominguez  
November 2016

6  
SHEET  
1 of 1

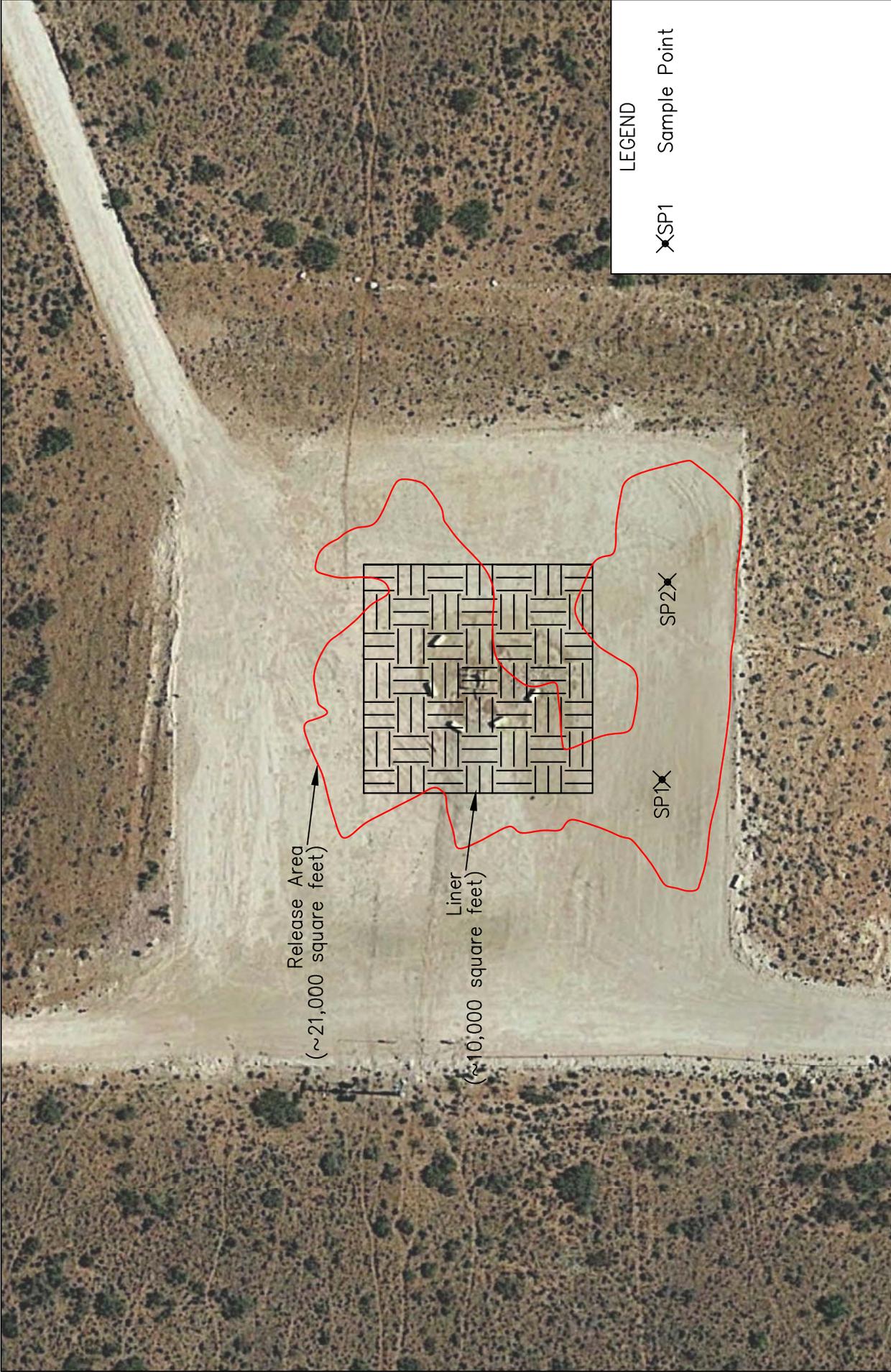


Eddy County, New Mexico  
NE 1/4 of NW 1/4, Sec. 11, T25S, R30E  
N 32° 09' 03.57" W 103° 51' 20.22"  
Elevation: 3,343 feet amsl

Figure 1  
Area Map  
Bopco, L.P.  
PLU #347H



<p>DWG By: D Dominguez November 2016</p> <p>REVISIONS:</p> <table border="1"> <tr> <td>0</td> <td>2,000</td> <td>4,000</td> <td>SHEET</td> </tr> <tr> <td></td> <td></td> <td></td> <td>1 of 1</td> </tr> </table> <p>Feet</p>	0	2,000	4,000	SHEET				1 of 1	<p>Eddy County, New Mexico NE 1/4 of NW 1/4, Sec. 11, T25S, R30E N 32° 09' 03.57" W 103° 51' 20.22" Elevation: 3,343 feet amsl</p>	<p>Figure 2 Site Location Map Bopco, L.P. PLU #347H</p>
0	2,000	4,000	SHEET							
			1 of 1							



<p>Figure 3 Site/Sample Map Bopco, L.P. PLU #347H</p>	<p>Eddy County, New Mexico NE 1/4 of NW 1/4, Sec. 11, T25S, R30E N 32° 09' 03.57" W 103° 51' 20.22" Elevation: 3,343 feet amsl</p>	<p>DWG By: D Dominguez November 2016</p>	<p>REVISIED:</p>	
		<p>0 60 120 Feet</p>	<p>SHEET 1 of 1</p>	

## **TABLES**

**TABLE 1**

**Well Data**

**Bopco, L.P. - PLU #347H**

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 03716	EXP	0	BOPCO, LP	4	2	2	2	25S	30E	609069	3559211	1863	03-Mar-14	3,402	425
2	C 01379	STK	3	BUCK JACKSON	4	4	3	10	25S	30E	606571	3556355	1936	20-Mar-68	3,319	--

\* = Data obtained from the New Mexico Office of the State Engineer Website ([http://iwaters.ose.state.nm.us:7001/IWATERS/wr\\_RegisServlet](http://iwaters.ose.state.nm.us:7001/IWATERS/wr_RegisServlet)) and USGS Database

<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

STK = 72-12-1 Livestock watering

-- = Data not provided on the NM iwaters website

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

**Shaded area indicates wells not shown in Figure 2**

**TABLE 2**  
**Summary of Soil Sample Field Testing and Laboratory Analytical Results**  
**Bopco L.P.**  
**PLU #347H**

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	07-Oct-16	0.5	>4,000	--	--	--	--	--	--	--	--	--	<b>23,600</b>	
	1	In Situ	07-Oct-16	0.0	80	--	--	--	--	--	--	--	--	--	<16.0	
	2	In Situ	07-Oct-16	0.0	80	--	--	--	--	--	--	--	--	--	<16.0	
	3	In Situ	07-Oct-16	0.0	80	--	--	--	--	--	--	--	--	--	<16.0	
	4	In Situ	07-Oct-16	0.0	80	--	--	--	--	--	--	--	--	--	<16.0	
SP2	Surface	Excavated	07-Oct-16	0.2	>4,000	--	--	--	--	--	--	--	--	--	<b>23,600</b>	
	1	In Situ	07-Oct-16	0.0	80	--	--	--	--	--	--	--	--	--	<16.0	
	2	In Situ	07-Oct-16	0.0	80	--	--	--	--	--	--	--	--	--	<16.0	
	3	In Situ	07-Oct-16	0.0	80	--	--	--	--	--	--	--	--	--	<16.0	
	4	In Situ	07-Oct-16	0.0	80	--	--	--	--	--	--	--	--	--	<16.0	
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 – View across release area



Photograph #2 – View across release area



Photograph #3 – View across release area



Photograph #4 – Surface scraped



Photograph #5 – Surface scraped



Photograph #6 – Liner installation during remediation of previous release



Photograph #7 – Backfilled



Photograph #8 – Backfilled

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



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

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October 12, 2016

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: PLU #347H

Enclosed are the results of analyses for samples received by the laboratory on 10/10/16 15:32.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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 "Hope S. Moreno". The signature is written in a cursive style with a long, sweeping underline.

Hope S. Moreno For 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:	10/10/2016	Sampling Date:	10/07/2016
Reported:	10/12/2016	Sampling Type:	Soil
Project Name:	PLU #347H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC. 11, T25S, R30E		

**Sample ID: SP 1 (SURFACE) (H602277-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	23600	16.0	10/12/2016	ND	416	104	400	0.00	

**Sample ID: SP 1 (1') (H602277-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/12/2016	ND	416	104	400	0.00	

**Sample ID: SP 1 (2') (H602277-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/12/2016	ND	416	104	400	0.00	

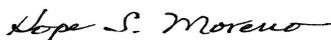
**Sample ID: SP 1 (3') (H602277-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/12/2016	ND	416	104	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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Hope S. Moreno For 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:	10/10/2016	Sampling Date:	10/07/2016
Reported:	10/12/2016	Sampling Type:	Soil
Project Name:	PLU #347H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC. 11, T25S, R30E		

**Sample ID: SP 1 (4') (H602277-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/12/2016	ND	416	104	400	0.00	

**Sample ID: SP 2 (SURFACE) (H602277-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>23600</b>	16.0	10/12/2016	ND	416	104	400	0.00	

**Sample ID: SP 2 (1') (H602277-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/12/2016	ND	416	104	400	0.00	

**Sample ID: SP 2 (2') (H602277-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/12/2016	ND	416	104	400	0.00	

**Sample ID: SP 2 (3') (H602277-09)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/12/2016	ND	416	104	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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Hope S. Moreno For 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:	10/10/2016	Sampling Date:	10/07/2016
Reported:	10/12/2016	Sampling Type:	Soil
Project Name:	PLU #347H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC. 11, T25S, R30E		

**Sample ID: SP 2 (4') (H602277-10)**
**Chloride, SM4500Cl-B**
**mg/kg**
**Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/12/2016	ND	432	108	400	3.77	

Cardinal Laboratories

\*=Accredited Analyte

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Hope S. Moreno For Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Cardinal Laboratories

\*=Accredited Analyte

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Hope S. Moreno For Celey D. Keene, Lab Director/Quality Manager



**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

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**

**NAB1628542275** 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 347	Facility Type: Exploration and Production
Surface Owner: Federal	Mineral Owner: Federal
API No. 30-015-38668	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	11	25S	30E	540		1440		Eddy

Latitude: 32.150845 Longitude: 103.855589

**NATURE OF RELEASE**

Type of Release: Produced Water	Volume of Release: 273 barrels	Volume Recovered: 230 barrels
Source of Release: Failed connection on wellhead	Date and Hour of Occurrence: 10-07-16 @ 11:00am	Date and Hour of Discovery: 10-07-16 @ 12:30pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher, Heather Patterson, Jim Amos BLM via email	
By Whom? Bradley Blevins	Date and Hour: 10-7-16 @ 3:43pm	
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.\*  
The lease operator arrived on location and found the release was caused by corrosion on the nipple that connects the tubing gauge to the Baird BPV, the nipple broke off causing the release. Vacuum trucks were called to the location and were able to recover 230 barrels of fluid from the location. All fluid remained on the well pad.

Describe Area Affected and Cleanup Action Taken.\*  
A initial response crew was dispatched to the location and began removing the saturated surface soils and stockpiled soil on plastic until the material can be hauled to a disposal facility. The release area was also sampled once the saturated surface soils were removed.

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>		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Bradley Blevins		Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Assistant Remediation Foreman		Approval Date: <i>10/11/16</i>	Expiration Date: <i>NIA</i>
E-mail Address: bblevins@basspet.com		Conditions of Approval: Remediation per O.C.D. Rules & Guidelines <input type="checkbox"/>	
Date: <i>10-10-16</i> Phone: 432-214-3704		<b>SUBMIT REMEDIATION PROPOSAL NO</b>	

\* Attach Additional Sheets If Necessary

LATER THAN: *11/2/16* *ARP-3931*

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**

Name of Company: BOPCO, L.P.		<b>OPERATOR</b>		<input type="checkbox"/> Initial Report	<input checked="" type="checkbox"/> Final Report
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220		Contact: Bradley Blevins			
Facility Name: PLU #347H; 2RP #3931		Telephone No. 575-887-7329			
		Facility Type: Exploration and Production			
Surface Owner: Federal		Mineral Owner: Federal		API No. 30-015-38668	

**LOCATION OF RELEASE**

Unit Letter C	Section 11	Township 25S	Range 30E	Feet from the 540	North/South Line North	Feet from the 1440	East/West Line West	County Eddy
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Latitude: N 32.150845° Longitude: W 103.855589°

**NATURE OF RELEASE**

Type of Release: produced water	Volume of Release: 273 bbls	Volume Recovered: 230 bbls
Source of Release: failed connection on wellhead	Date and Hour of Occurrence: 10/7/16 @ 11:00 am	Date and Hour of Discovery: 10/7/16 @ 12:30 pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher, Heather Patterson, Jim Amos BLM via email	
By Whom? Bradley Blevins	Date and Hour: 10/7/16 @ 3:43 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.* The lease operator arrived on location and found the release was caused by corrosion on the nipple that connects the tubing gauge to the Baird BPV, the nipple broke off causing the release. Vacuum trucks were called to the location and were able to recover 230 barrels of fluid from the location. All fluid remained on the well pad.		
Describe Area Affected and Cleanup Action Taken.* An initial response crew was dispatched to the location and began removing the saturated surface soils and stockpiled soil on plastic until the material can be hauled to a disposal facility. 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.		
Signature: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Bradley Blevins	Approved by Environmental Specialist: 	
Title: Assistant Remediation Foreman	Approval Date: 11/19/2019	Expiration Date:
E-mail Address: bblevins@basspet.com	Conditions of Approval:	
Date: 12-2-16	Phone: 432-214-3704	Attached <input type="checkbox"/>

\* Attach Additional Sheets If Necessary