

ENVIRONMENTAL PLUS, INC.

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CLOSURE REPORT

BOPCO, L.P.
PLU-CVX-JV-BS #-17H
Eddy County, New Mexico
Unit Letter "C", Section 7, Township 25 South, Range 31 East
Latitude 32.151692 North, Longitude 103.819416 West
NMOCD Reference #'s 2RP 2613, 2RP 2630, 2RP 2781

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

May 2015

Daniel Dominguez
Project Manager



21 May 2015

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 #017H
UL-C, Section 7, Township 25 South, Range 31 East
Eddy County, New Mexico
NMOCD Reference #'s 2RP 2613; 2RP 2630; 2RP 2781

Mr. Bratcher:

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

Background Information:

The first release was caused by a flare stack motor valve and scrubber float valve failed to operate properly causing fluid to go out the flare stack. The system was repaired. The spill impacted approximately 2,550 sq. ft. of pasture land that had been recently disturbed during a pipeline construction job. The release also misted approximately 4,760 sq. ft. of pasture area. All of the free standing fluid was recovered; the stained area was left as is pending remediation. The second release occurred when the circulation piping was tied into this system causing the vessels to overpressure and release to the flare stack. The piping was changed to eliminate pressure relief to the flare stack. The spill impacted approximately 1,204 sq. ft. of bermed area around the flare stack, approximately 1,694 sq. ft. of well pad where the fluid had puddled up on and approximately 7,300 sq. ft. of pad-pasture area was misted. All of the free standing fluid was recovered; the stained area was left as is pending remediation. The third release occurred when a sight glass failed on the two phase separator, the sight glass was replaced. The majority of the spill was contained in 0-Perm containment around the process equipment. Due to the pressure of the release approximately 7,225 sq. ft. of caliche pad area was impacted by the release. A vacuum truck recovered 312 bbls of oil and 78 bbls of water from the containment, and picked up 3 bbls of oil off the ground. The equipment was power washed. It was estimated that a total of 5 bbls oil and 4 bbls of water saturated into the soil.

Remediation Activities:

EPI personnel mobilized on the site on January 19, 2015 to collect soil samples via hand auger to determine the vertical extent of contamination from the first and second releases. A total of twenty (20) soil samples were collected from five (5) sample locations; SP1 – SP5. On January 20, 2015 fourteen (14) additional soil samples were collected via hand auger from four (4) sample points, SP5 – SP8; all samples were sent to Cardinal Labs in Hobbs, New Mexico, for testing. Laboratory analytical results indicate the area of the release located on the pad, SP1 –

SP4, are void of Benzene, BTEX, TPH, and Chloride concentrations in excess of NMOCD Recommended Remedial Action Levels (RRALs) of 10 mg/Kg, 50 mg/Kg, 5,000 mg/Kg, and 1,000 mg/Kg respectively. With the exception of SP1 at one (1) foot bgs (reference *Figure 3* and *Table 2*).

Laboratory analytical results indicate the area of the release located off the pad, SP5 – SP8, are void of Chloride concentrations in excess of NMOCD RRALs of 1,000 mg/Kg. However, laboratory data indicate Benzene, BTEX and TPH concentrations exceed NMOCD RRALs in the areas of SP5 to a depth of three (3) feet bgs, SP6 to a depth of five (5) feet bgs, and SP7 to a depth of one (1) foot bgs. Benzene, BTEX, and TPH concentrations did not exceed NMOCD RRALs in the area of SP8 (reference *Figure 3* and *Table 2*).

The third release occurred while remediation activities took place for the first and second releases. On February 9, 2015, EPI personnel collected soil samples, via hand auger, from the release area outside the zero perm containment. A total of ten (10) soil samples were collected from five (5) sample locations, SPA – SPE; all samples were sent to Cardinal Labs in Hobbs, NM, for testing. Laboratory analytical results indicate this area, with exception of SPA, SPD, and SPE, to be void of Benzene, BTEX, TPH and Chloride concentrations in excess of NMOCD RRALs of 10 mg/Kg, 50 mg/Kg, 5,000 mg/Kg, and 1,000 mg/Kg respectively. TPH and Chloride concentrations exceed NMOCD RRALs at surface level in SPA, while TPH concentrations exceed NMOCD RRALs at surface level in SPD and SPE (reference *Figure 3* and *Table 2*).

The surface area outside the zero perm containment affected by the release was scraped up, with the contaminated soil added to the excavated soil from the first and second releases around the flare, and hauled to a state approved facility for disposal.

The release areas around the flare were excavated to a depth of one (1) foot bgs with approximately 197 tons of contaminated soil excavated and hauled to a state approved facility for disposal. The area around SP5 was excavated to a depth of three (3) feet bgs; SP6 to a depth of five (5) feet bgs; SP7 to a depth of one (1) foot bgs; the area around SP8 was tilled. The contaminated soil excavated from these areas was remediated on site in four blending cells: 5N, 5S, 3N, 3S (reference *Figure 4*). The blending cells were thoroughly sprayed with a 6% solution of Micro-Blaze, then tilled 2 – 3 times a week for approximately four (4) weeks.

On March 16, 2015, one (1) soil sample was collected from each of the blending cells and sent to Cardinal Labs in Hobbs, New Mexico for testing. Laboratory analytical results indicate the soil in the blending cells had been remediated below NMOCD RRALs (reference *Table 2*).

Closure Activities:

Based on laboratory analytical data and NMOCD approval, the pad release excavations were backfilled with approximately 197 tons of clean caliche and returned to operating condition. The field area excavation was backfilled with the remediated soil from the blending cells. The entire disturbed area off the pad was then contoured to blend with existing field, protected against wind/water erosion and reseeded.



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

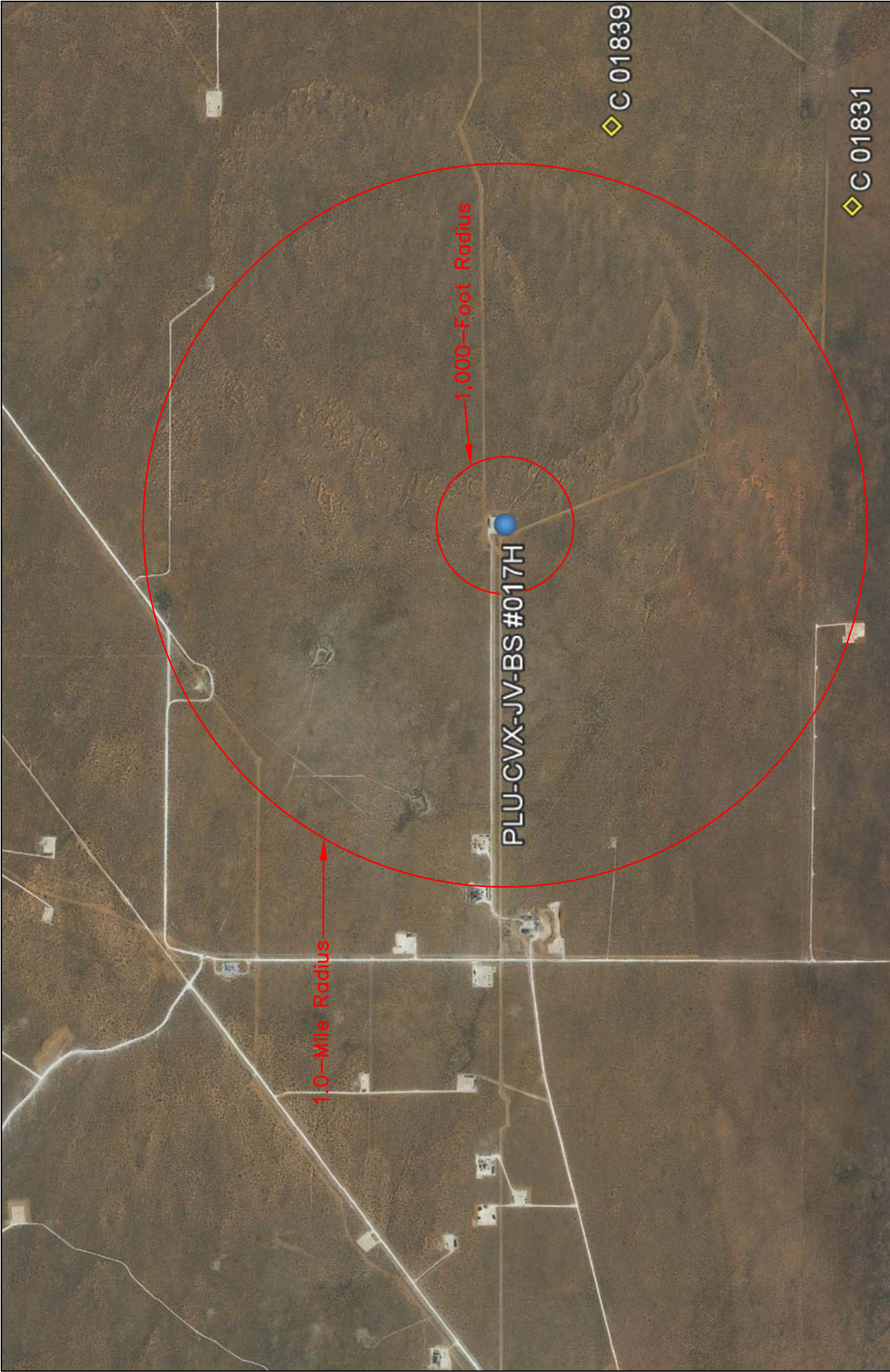
cc: Brad Blevins, EHS Asst. Remediation Foreman – Bopco, L.P.
Tony Savoie, Remediation Foreman – Bopco, L.P. 1(432)556-8730
File

Encl.: Figure 1 – Area Map
Figure 2 – Site Location Map
Figure 3 – Site/Sample Map
Figure 4 – Excavation/Blending Cell 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 – Disposal Tickets
Attachment IV – Copy of Initial NMOCD Form C-141's, Final C-141's

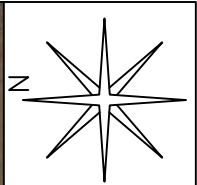
FIGURES



<div data-bbox="1334 92 1528 283"> </div> <div data-bbox="1334 283 1528 856"> <div data-bbox="1334 283 1429 856"> DWG By: D Dominguez April 2015 </div> <div data-bbox="1429 283 1528 856"> REVISED: <div data-bbox="1429 283 1528 420">SHEET 1 of 1</div> <div data-bbox="1429 420 1528 856"> <div data-bbox="1429 420 1528 661"> </div> <div data-bbox="1429 661 1528 856"> Miles </div> </div> </div> </div>	<div data-bbox="1334 856 1528 1465"> Eddy County, New Mexico NE 1/4 of NW 1/4, Sec. 7, T25S, R31E N 32° 9' 6.08" W 103° 49' 9.84" Elevation: 3,368 feet amsl </div>	<div data-bbox="1334 1465 1528 2005"> Figure 1 Area Map Bopco, L.P. PLU-CVX-JV-BS #017H </div>
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<p>Figure 2 Site Location Map Bopco, L.P. PLU-CVX-JV-BS #017H</p>	<p>Eddy County, New Mexico NE 1/4 of NW 1/4, Sec. 7, T25S, R31E N 32° 9' 6.08" W 103° 49' 9.84" Elevation: 3,368 feet amsl</p>	<p>DWG By: D Dominguez April 2015</p>	<p>REVISED:</p> <p>0 2,000 4,000 Feet</p> <p>SHEET 1 of 1</p>
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LEGEND

XSP1

Sample Point

DWG By: D Dominguez
April 2015

REVISED:

0 60 120

Feet

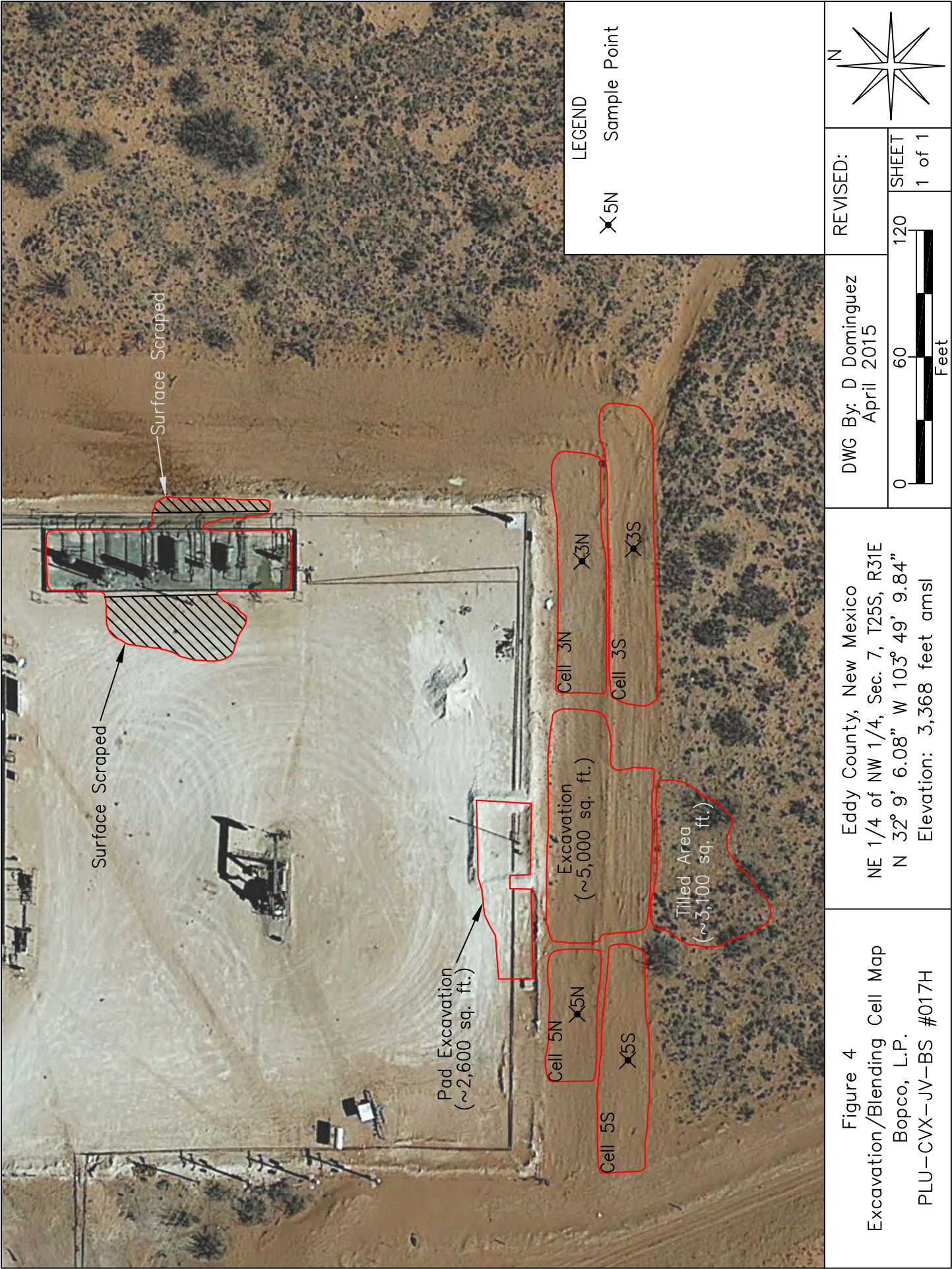
SHEET

1 of 1

N

Eddy County, New Mexico
NE 1/4 of NW 1/4, Sec. 7, T25S, R31E
N 32° 9' 6.08" W 103° 49' 9.84"
Elevation: 3,368 feet amsl

Figure 3
Site/Sample Map
Bopco, L.P.
PLU-CVX-JV-BS #017H



TABLES

TABLE 1

Well Data

Bopco - PLU-JV-CVX-Big Sinks #017H

Ref #	Well Number	Use	Diversion ^A	Owner	q64	q16	q4	Sec	Twsp	Rng	Easting	Northing	Date Measured	Surface Elevation ^B	Depth to Water (ft bgs)
1	C 01839	PRO	0	OXY Petroleum, Inc.		3	2	8	25S	31E	613364	3557344		3,405	
2	C 01831	PRO	0	OXY Petroleum, Inc.		2	1	17	25S	31E	612972	3556126		3,381	

* = Data obtained from the New Mexico Office of the State Engineer Website (http://iwaters.ose.state.nm.us:7001/iWATERS/wtr_RegisServlet1) and USGS Database

^A = In acre feet per annum

^B = Elevation interpolated from USGS topographical map based on referenced location.

PRO = 72-12-1 Prospecting or development of natural resource

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

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

PLU-CVX-JV-BS 017H

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	1	Excavated	19-Jan-15	1,742	240	5.06	44.8	9.15	52.7	112	2,260	4,970	586	7,816	<16.0
	2	In Situ	19-Jan-15	105	120	<0.050	0.157	<0.050	<0.150	<0.300	13.9	<10.0	<10.0	13.9	<16.0
	3	In Situ	19-Jan-15	28.1	120	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
	4	In Situ	19-Jan-15	8.9	120	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	48
SP2	1	Excavated	19-Jan-15	38.9	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	16
	2	In Situ	19-Jan-15	55.4	200	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	64
	3	In Situ	19-Jan-15	8.4	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
SP3	1	Excavated	19-Jan-15	50.7	120	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
	2	In Situ	19-Jan-15	255	120	<0.050	0.128	<0.050	0.183	0.311	<10.0	<10.0	<10.0	<30.0	<16.0
	3	In Situ	19-Jan-15	19.9	120	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
	4	In Situ	19-Jan-15	6.0	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
SP4	1	Excavated	19-Jan-15	177	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
	2	In Situ	19-Jan-15	33.6	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
	3	In Situ	19-Jan-15	24.5	120	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
	4	In Situ	19-Jan-15	19.4	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
	5	In Situ	19-Jan-15	8.4	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
SP5	1	Remediated on site	19-Jan-15	1,847	160	3.56	52.9	12.0	77.3	146	2,750	5,360	574	8,684	<16.0
	2	Remediated on site	19-Jan-15	1,731	160	7.76	83.9	16.6	105	213	3,520	6,390	726	10,636	<16.0
	3	Remediated on site	19-Jan-15	1,822	160	8.35	79.8	15.7	99.6	203	3,720	6,800	798	11,318	<16.0
	5	In Situ	19-Jan-15	990	80	<0.050	0.188	<0.050	0.202	0.389	23.4	139	<10.0	162.4	<16.0
	7	In Situ	20-Jan-15	37.6	80	<0.050	<0.050	<0.050	<0.150	<0.300	10.4	<10.0	<10.0	10.4	<16.0
	9	In Situ	20-Jan-15	5.0	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0

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

PLU-CVX-JV-BS 017H

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)
SP6	1	Remediated on site	20-Jan-15	1,697	160	8.42	77.9	15.3	97.2	199	3,250	5,810	680	9,740	<16.0
	2	Remediated on site	20-Jan-15	1,428	160	12.4	90.8	16.0	102	222	3,650	6,090	738	10,478	<16.0
	3	Remediated on site	20-Jan-15	1,380	160	12.2	76.8	13.0	82.5	185	3,000	4,440	504	7,944	<16.0
	5	Remediated on site	20-Jan-15	1,276	120	19.6	115.0	20.9	133.0	289	3,650	7,570	872	12,092	<16.0
	7	In Situ	20-Jan-15	42.6	80	0.083	0.204	<0.050	<0.150	<0.300	10.9	<10.0	<10.0	10.9	<16.0
SP7	9	In Situ	20-Jan-15	8.1	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
	1	Remediated on site	20-Jan-15	2,365	120	<0.050	38.0	10.9	74.9	124	2,490	5,850	639	8,979	<16.0
	2	In Situ	20-Jan-15	714	120	<0.050	0.079	<0.050	<0.150	<0.300	11.0	20.4	<10.0	31.4	<16.0
	3	In Situ	20-Jan-15	75.9	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
	6	In Situ	20-Jan-15	6.5	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
SP8	Surface	In Situ	20-Jan-15	5.5	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
	1	In Situ	20-Jan-15	2.0	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
SPA	Surface	Excavated	09-Feb-15	2.1	1,600	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	4,470	868	5,338	2,040
	1	In Situ	09-Feb-15	1.0	120	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
SPB	Surface	Excavated	09-Feb-15	155.0	360	<0.050	<0.050	<0.050	0.765	0.765	131	1,640	234	2,005	240
	1	In Situ	09-Feb-15	4.6	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
SPC	Surface	Excavated	09-Feb-15	1.6	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	64.4	11.5	75.9	96
	1	In Situ	09-Feb-15	1.5	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	48
SPD	Surface	Excavated	09-Feb-15	20.4	240	<0.050	<0.050	<0.050	0.282	<0.300	46	6,980	1,540	8,566	224
	1	In Situ	09-Feb-15	1.2	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0
SPE	Surface	Excavated	09-Feb-15	5.9	560	<0.050	<0.050	<0.050	<0.150	<0.300	13.1	5,830	1,120	6,963.1	566
	1	In Situ	09-Feb-15	1.5	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0	<16.0

TABLE 2
Summary of Soil Sample Field Testing and Laboratory Analytical Results
Bopco L.P.
PLU-CVX-JV-BS 017H

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)
3N	4"	Backfill	16-Mar-15	37.6	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	412	76.7	488.7	--
3S	4"	Backfill	16-Mar-15	23.2	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	447	76.6	523.6	--
5N	4"	Backfill	16-Mar-15	23.8	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	469	78	547	--
5S	4"	Backfill	16-Mar-15	45.3	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	274	38.2	312.2	--
NMOCD Recommended Remedial Action Levels				100		10				50				5,000	1,000

Red values are in excess of NMOCD Recommended Remedial Action Levels

Shaded values indicates soil has been excavated

-- = Not Analyzed

ATTACHMENTS

ATTACHMENT I
Photographs



Photograph #1 – Excavated pad area



Photograph #2 – Excavated pad area



Photograph #3 – Excavated field area



Photograph #4 – Excavated field area



Photograph #5 – Surface scraped area



Photograph #6 – Surface scraped area



Photograph #7 – Micro-Blaze applied to remediation cells



Photograph #8 – Tilling remediation cells



Photograph #9 – Pad area backfilled



Photograph #10 – Pad area backfilled field



Photograph #11 – Pad area backfilled



Photograph #12 – Pad area backfilled



Photograph #13 – Pad area backfilled



Photograph #14 – Field area backfilled



Photograph #15 – Field area backfilled



Photograph #16 – Field area seeded

ATTACHMENT II
Laboratory Analytical Results



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

January 26, 2015

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: PLU JV CVX BS 017H

Enclosed are the results of analyses for samples received by the laboratory on 01/21/15 15:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/19/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 (1') (H500205-01)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	5.06	2.00	01/23/2015	ND	1.62	80.9	2.00	8.09	
Toluene*	44.8	2.00	01/23/2015	ND	1.59	79.6	2.00	8.77	
Ethylbenzene*	9.15	2.00	01/23/2015	ND	1.51	75.4	2.00	9.10	
Total Xylenes*	52.7	6.00	01/23/2015	ND	4.51	75.2	6.00	9.79	
Total BTX	112	12.0	01/23/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

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	01/22/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	2260	10.0	01/22/2015	ND	191	95.5	200	0.131		
DRO >C10-C28	4970	10.0	01/22/2015	ND	198	99.0	200	5.55		
EXT DRO >C28-C35	586	10.0	01/22/2015	ND						

Surrogate: 1-Chlorooctane 190 % 47.2-157

Surrogate: 1-Chlorooctadecane 181 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/19/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 (2') (H500205-02)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2015	ND	1.62	80.9	2.00	8.09	
Toluene*	0.157	0.050	01/23/2015	ND	1.59	79.6	2.00	8.77	
Ethylbenzene*	<0.050	0.050	01/23/2015	ND	1.51	75.4	2.00	9.10	
Total Xylenes*	<0.150	0.150	01/23/2015	ND	4.51	75.2	6.00	9.79	
Total BTEx	<0.300	0.300	01/23/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

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	01/22/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	13.9	10.0	01/22/2015	ND	191	95.5	200	0.131	
DRO >C10-C28	<10.0	10.0	01/22/2015	ND	198	99.0	200	5.55	
EXT DRO >C28-C35	<10.0	10.0	01/22/2015	ND					

Surrogate: 1-Chlorooctane 111 % 47.2-157

Surrogate: 1-Chlorooctadecane 120 % 52.1-176

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Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/19/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 (3') (H500205-03)

BTX 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/23/2015	ND	1.62	80.9	2.00	8.09		
Toluene*	<0.050	0.050	01/23/2015	ND	1.59	79.6	2.00	8.77		
Ethylbenzene*	<0.050	0.050	01/23/2015	ND	1.51	75.4	2.00	9.10		
Total Xylenes*	<0.150	0.150	01/23/2015	ND	4.51	75.2	6.00	9.79		
Total BTX	<0.300	0.300	01/23/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

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	01/22/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/22/2015	ND	191	95.5	200	0.131	
DRO >C10-C28	<10.0	10.0	01/22/2015	ND	198	99.0	200	5.55	
EXT DRO >C28-C35	<10.0	10.0	01/22/2015	ND					

Surrogate: 1-Chlorooctane 108 % 47.2-157

Surrogate: 1-Chlorooctadecane 118 % 52.1-176

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Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/19/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 (4') (H500205-04)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/23/2015	ND	1.62	80.9	2.00	8.09		
Toluene*	<0.050	0.050	01/23/2015	ND	1.59	79.6	2.00	8.77		
Ethylbenzene*	<0.050	0.050	01/23/2015	ND	1.51	75.4	2.00	9.10		
Total Xylenes*	<0.150	0.150	01/23/2015	ND	4.51	75.2	6.00	9.79		
Total BTEx	<0.300	0.300	01/23/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/22/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/22/2015	ND	191	95.5	200	0.131	
DRO >C10-C28	<10.0	10.0	01/22/2015	ND	198	99.0	200	5.55	
EXT DRO >C28-C35	<10.0	10.0	01/22/2015	ND					

Surrogate: 1-Chlorooctane 98.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 115 % 52.1-176

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Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/19/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 (1') (H500205-05)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2015	ND	1.62	80.9	2.00	8.09	
Toluene*	<0.050	0.050	01/23/2015	ND	1.59	79.6	2.00	8.77	
Ethylbenzene*	<0.050	0.050	01/23/2015	ND	1.51	75.4	2.00	9.10	
Total Xylenes*	<0.150	0.150	01/23/2015	ND	4.51	75.2	6.00	9.79	
Total BTX	<0.300	0.300	01/23/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/22/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/22/2015	ND	191	95.5	200	0.131	
DRO >C10-C28	<10.0	10.0	01/22/2015	ND	198	99.0	200	5.55	
EXT DRO >C28-C35	<10.0	10.0	01/22/2015	ND					

Surrogate: 1-Chlorooctane 108 % 47.2-157

Surrogate: 1-Chlorooctadecane 121 % 52.1-176

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Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/19/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 (2') (H500205-06)

BTX 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/23/2015	ND	1.62	80.9	2.00	8.09		
Toluene*	<0.050	0.050	01/23/2015	ND	1.59	79.6	2.00	8.77		
Ethylbenzene*	<0.050	0.050	01/23/2015	ND	1.51	75.4	2.00	9.10		
Total Xylenes*	<0.150	0.150	01/23/2015	ND	4.51	75.2	6.00	9.79		
Total BTX	<0.300	0.300	01/23/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/22/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/22/2015	ND	191	95.5	200	0.131	
DRO >C10-C28	<10.0	10.0	01/22/2015	ND	198	99.0	200	5.55	
EXT DRO >C28-C35	<10.0	10.0	01/22/2015	ND					

Surrogate: 1-Chlorooctane 104 % 47.2-157

Surrogate: 1-Chlorooctadecane 115 % 52.1-176

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 Received: 01/21/2015
 Reported: 01/26/2015
 Project Name: PLU JV CVX BS 017H
 Project Number: NONE GIVEN
 Project Location: UL-C SEC. 7, T25S, R31E

 Sampling Date: 01/19/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 (3') (H500205-07)

BTX 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/23/2015	ND	1.62	80.9	2.00	8.09		
Toluene*	<0.050	0.050	01/23/2015	ND	1.59	79.6	2.00	8.77		
Ethylbenzene*	<0.050	0.050	01/23/2015	ND	1.51	75.4	2.00	9.10		
Total Xylenes*	<0.150	0.150	01/23/2015	ND	4.51	75.2	6.00	9.79		
Total BTX	<0.300	0.300	01/23/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/22/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/22/2015	ND	191	95.5	200	0.131	
DRO >C10-C28	<10.0	10.0	01/22/2015	ND	198	99.0	200	5.55	
EXT DRO >C28-C35	<10.0	10.0	01/22/2015	ND					

Surrogate: 1-Chlorooctane 104 % 47.2-157

Surrogate: 1-Chlorooctadecane 120 % 52.1-176

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Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/19/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 (1') (H500205-08)

BTX 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/23/2015	ND	1.62	80.9	2.00	8.09		
Toluene*	<0.050	0.050	01/23/2015	ND	1.59	79.6	2.00	8.77		
Ethylbenzene*	<0.050	0.050	01/23/2015	ND	1.51	75.4	2.00	9.10		
Total Xylenes*	<0.150	0.150	01/23/2015	ND	4.51	75.2	6.00	9.79		
Total BTX	<0.300	0.300	01/23/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/22/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/22/2015	ND	191	95.5	200	0.131	
DRO >C10-C28	<10.0	10.0	01/22/2015	ND	198	99.0	200	5.55	
EXT DRO >C28-C35	<10.0	10.0	01/22/2015	ND					

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 120 % 52.1-176

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Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/19/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 (2') (H500205-09)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2015	ND	1.62	80.9	2.00	8.09	
Toluene*	0.128	0.050	01/23/2015	ND	1.59	79.6	2.00	8.77	
Ethylbenzene*	<0.050	0.050	01/23/2015	ND	1.51	75.4	2.00	9.10	
Total Xylenes*	0.183	0.150	01/23/2015	ND	4.51	75.2	6.00	9.79	
Total BTEX	0.311	0.300	01/23/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 61-154

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	01/22/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/22/2015	ND	191	95.5	200	0.131	
DRO >C10-C28	<10.0	10.0	01/22/2015	ND	198	99.0	200	5.55	
EXT DRO >C28-C35	<10.0	10.0	01/22/2015	ND					

Surrogate: 1-Chlorooctane 108 % 47.2-157

Surrogate: 1-Chlorooctadecane 120 % 52.1-176

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Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/19/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 (3') (H500205-10)

BTX 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/23/2015	ND	1.62	80.9	2.00	8.09		
Toluene*	<0.050	0.050	01/23/2015	ND	1.59	79.6	2.00	8.77		
Ethylbenzene*	<0.050	0.050	01/23/2015	ND	1.51	75.4	2.00	9.10		
Total Xylenes*	<0.150	0.150	01/23/2015	ND	4.51	75.2	6.00	9.79		
Total BTX	<0.300	0.300	01/23/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 61-154

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	01/22/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/22/2015	ND	191	95.5	200	0.131	
DRO >C10-C28	<10.0	10.0	01/22/2015	ND	198	99.0	200	5.55	
EXT DRO >C28-C35	<10.0	10.0	01/22/2015	ND					

Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 113 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/19/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 (4') (H500205-11)

BTX 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/23/2015	ND	1.62	80.9	2.00	8.09		
Toluene*	<0.050	0.050	01/23/2015	ND	1.59	79.6	2.00	8.77		
Ethylbenzene*	<0.050	0.050	01/23/2015	ND	1.51	75.4	2.00	9.10		
Total Xylenes*	<0.150	0.150	01/23/2015	ND	4.51	75.2	6.00	9.79		
Total BTX	<0.300	0.300	01/23/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 61-154

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	01/22/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/22/2015	ND	191	95.5	200	0.131	
DRO >C10-C28	<10.0	10.0	01/22/2015	ND	198	99.0	200	5.55	
EXT DRO >C28-C35	<10.0	10.0	01/22/2015	ND					

Surrogate: 1-Chlorooctane 105 % 47.2-157

Surrogate: 1-Chlorooctadecane 125 % 52.1-176

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 Received: 01/21/2015
 Reported: 01/26/2015
 Project Name: PLU JV CVX BS 017H
 Project Number: NONE GIVEN
 Project Location: UL-C SEC. 7, T25S, R31E

 Sampling Date: 01/19/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 4 (1') (H500205-12)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/24/2015	ND	1.74	87.0	2.00	4.85		
Toluene*	<0.050	0.050	01/24/2015	ND	1.66	83.1	2.00	6.04		
Ethylbenzene*	<0.050	0.050	01/24/2015	ND	1.60	79.9	2.00	7.17		
Total Xylenes*	<0.150	0.150	01/24/2015	ND	4.84	80.7	6.00	7.52		
Total BTEx	<0.300	0.300	01/24/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 61-154

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	01/22/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/22/2015	ND	191	95.5	200	0.131	
DRO >C10-C28	<10.0	10.0	01/22/2015	ND	198	99.0	200	5.55	
EXT DRO >C28-C35	<10.0	10.0	01/22/2015	ND					

Surrogate: 1-Chlorooctane 104 % 47.2-157

Surrogate: 1-Chlorooctadecane 121 % 52.1-176

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Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/19/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 4 (2') (H500205-13)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/24/2015	ND	1.74	87.0	2.00	4.85		
Toluene*	<0.050	0.050	01/24/2015	ND	1.66	83.1	2.00	6.04		
Ethylbenzene*	<0.050	0.050	01/24/2015	ND	1.60	79.9	2.00	7.17		
Total Xylenes*	<0.150	0.150	01/24/2015	ND	4.84	80.7	6.00	7.52		
Total BTEx	<0.300	0.300	01/24/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 61-154

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	01/22/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/22/2015	ND	191	95.5	200	0.131	
DRO >C10-C28	<10.0	10.0	01/22/2015	ND	198	99.0	200	5.55	
EXT DRO >C28-C35	<10.0	10.0	01/22/2015	ND					

Surrogate: 1-Chlorooctane 99.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 116 % 52.1-176

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Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/19/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 4 (3') (H500205-14)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/24/2015	ND	1.74	87.0	2.00	4.85		
Toluene*	<0.050	0.050	01/24/2015	ND	1.66	83.1	2.00	6.04		
Ethylbenzene*	<0.050	0.050	01/24/2015	ND	1.60	79.9	2.00	7.17		
Total Xylenes*	<0.150	0.150	01/24/2015	ND	4.84	80.7	6.00	7.52		
Total BTEX	<0.300	0.300	01/24/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 61-154

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	01/22/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/22/2015	ND	191	95.5	200	0.131	
DRO >C10-C28	<10.0	10.0	01/22/2015	ND	198	99.0	200	5.55	
EXT DRO >C28-C35	<10.0	10.0	01/22/2015	ND					

Surrogate: 1-Chlorooctane 104 % 47.2-157

Surrogate: 1-Chlorooctadecane 118 % 52.1-176

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 Received: 01/21/2015
 Reported: 01/26/2015
 Project Name: PLU JV CVX BS 017H
 Project Number: NONE GIVEN
 Project Location: UL-C SEC. 7, T25S, R31E

 Sampling Date: 01/19/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 4 (4') (H500205-15)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2015	ND	1.74	87.0	2.00	4.85	
Toluene*	<0.050	0.050	01/24/2015	ND	1.66	83.1	2.00	6.04	
Ethylbenzene*	<0.050	0.050	01/24/2015	ND	1.60	79.9	2.00	7.17	
Total Xylenes*	<0.150	0.150	01/24/2015	ND	4.84	80.7	6.00	7.52	
Total BTEx	<0.300	0.300	01/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/22/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/22/2015	ND	191	95.5	200	0.131	
DRO >C10-C28	<10.0	10.0	01/22/2015	ND	198	99.0	200	5.55	
EXT DRO >C28-C35	<10.0	10.0	01/22/2015	ND					

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 124 % 52.1-176

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Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/19/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 4 (5') (H500205-16)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2015	ND	1.74	87.0	2.00	4.85	
Toluene*	<0.050	0.050	01/24/2015	ND	1.66	83.1	2.00	6.04	
Ethylbenzene*	<0.050	0.050	01/24/2015	ND	1.60	79.9	2.00	7.17	
Total Xylenes*	<0.150	0.150	01/24/2015	ND	4.84	80.7	6.00	7.52	
Total BTEx	<0.300	0.300	01/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/22/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/23/2015	ND	191	95.5	200	0.131	
DRO >C10-C28	<10.0	10.0	01/23/2015	ND	198	99.0	200	5.55	
EXT DRO >C28-C35	<10.0	10.0	01/23/2015	ND					

Surrogate: 1-Chlorooctane 109 % 47.2-157

Surrogate: 1-Chlorooctadecane 121 % 52.1-176

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Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/19/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 5 (1') (H500205-17)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.56	2.00	01/24/2015	ND	1.74	87.0	2.00	4.85	
Toluene*	52.9	2.00	01/24/2015	ND	1.66	83.1	2.00	6.04	
Ethylbenzene*	12.0	2.00	01/24/2015	ND	1.60	79.9	2.00	7.17	
Total Xylenes*	77.3	6.00	01/24/2015	ND	4.84	80.7	6.00	7.52	
Total BTX	146	12.0	01/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

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	01/22/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	2750	10.0	01/23/2015	ND	191	95.5	200	0.131		
DRO >C10-C28	5360	10.0	01/23/2015	ND	198	99.0	200	5.55		
EXT DRO >C28-C35	574	10.0	01/23/2015	ND						

Surrogate: 1-Chlorooctane 205 % 47.2-157

Surrogate: 1-Chlorooctadecane 178 % 52.1-176

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Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/19/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 5 (2') (H500205-18)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	7.76	2.00	01/24/2015	ND	1.74	87.0	2.00	4.85	
Toluene*	83.9	2.00	01/24/2015	ND	1.66	83.1	2.00	6.04	
Ethylbenzene*	16.6	2.00	01/24/2015	ND	1.60	79.9	2.00	7.17	
Total Xylenes*	105	6.00	01/24/2015	ND	4.84	80.7	6.00	7.52	
Total BTX	213	12.0	01/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

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	01/22/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	3520	10.0	01/23/2015	ND	192	95.8	200	2.95		
DRO >C10-C28	6390	10.0	01/23/2015	ND	198	99.0	200	2.87		
EXT DRO >C28-C35	726	10.0	01/23/2015	ND						

Surrogate: 1-Chlorooctane 224 % 47.2-157

Surrogate: 1-Chlorooctadecane 192 % 52.1-176

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Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/19/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 5 (3') (H500205-19)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	8.35	2.00	01/24/2015	ND	1.74	87.0	2.00	4.85	
Toluene*	79.8	2.00	01/24/2015	ND	1.66	83.1	2.00	6.04	
Ethylbenzene*	15.7	2.00	01/24/2015	ND	1.60	79.9	2.00	7.17	
Total Xylenes*	99.6	6.00	01/24/2015	ND	4.84	80.7	6.00	7.52	
Total BTX	203	12.0	01/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 61-154

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	01/22/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	3720	10.0	01/23/2015	ND	192	95.8	200	2.95		
DRO >C10-C28	6800	10.0	01/23/2015	ND	198	99.0	200	2.87		
EXT DRO >C28-C35	798	10.0	01/23/2015	ND						

Surrogate: 1-Chlorooctane 232 % 47.2-157

Surrogate: 1-Chlorooctadecane 193 % 52.1-176

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Analytical Results For:

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

Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/19/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 5 (5') (H500205-20)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2015	ND	1.74	87.0	2.00	4.85	
Toluene*	0.188	0.050	01/24/2015	ND	1.66	83.1	2.00	6.04	
Ethylbenzene*	<0.050	0.050	01/24/2015	ND	1.60	79.9	2.00	7.17	
Total Xylenes*	0.202	0.150	01/24/2015	ND	4.84	80.7	6.00	7.52	
Total BTEx	0.389	0.300	01/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/22/2015	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	23.4	10.0	01/23/2015	ND	192	95.8	200	2.95	
DRO >C10-C28	139	10.0	01/23/2015	ND	198	99.0	200	2.87	
EXT DRO >C28-C35	<10.0	10.0	01/23/2015	ND					

Surrogate: 1-Chlorooctane 106 % 47.2-157

Surrogate: 1-Chlorooctadecane 125 % 52.1-176

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Received:	01/21/2015	Sampling Date:	01/20/2015
Reported:	01/26/2015	Sampling Type:	Soil
Project Name:	PLU JV CVX BS 017H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-C SEC. 7, T25S, R31E		

Sample ID: SP 5 (7') (H500205-21)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2015	ND	1.74	87.0	2.00	4.85	
Toluene*	<0.050	0.050	01/24/2015	ND	1.66	83.1	2.00	6.04	
Ethylbenzene*	<0.050	0.050	01/24/2015	ND	1.60	79.9	2.00	7.17	
Total Xylenes*	<0.150	0.150	01/24/2015	ND	4.84	80.7	6.00	7.52	
Total BTEx	<0.300	0.300	01/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/22/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10.4	10.0	01/23/2015	ND	192	95.8	200	2.95	
DRO >C10-C28	<10.0	10.0	01/23/2015	ND	198	99.0	200	2.87	
EXT DRO >C28-C35	<10.0	10.0	01/23/2015	ND					

Surrogate: 1-Chlorooctane 96.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 112 % 52.1-176

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 Received: 01/21/2015
 Reported: 01/26/2015
 Project Name: PLU JV CVX BS 017H
 Project Number: NONE GIVEN
 Project Location: UL-C SEC. 7, T25S, R31E

 Sampling Date: 01/19/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 5 (9') (H500205-22)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/24/2015	ND	1.74	87.0	2.00	4.85		
Toluene*	<0.050	0.050	01/24/2015	ND	1.66	83.1	2.00	6.04		
Ethylbenzene*	<0.050	0.050	01/24/2015	ND	1.60	79.9	2.00	7.17		
Total Xylenes*	<0.150	0.150	01/24/2015	ND	4.84	80.7	6.00	7.52		
Total BTEX	<0.300	0.300	01/24/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 61-154

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	01/22/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/23/2015	ND	192	95.8	200	2.95	
DRO >C10-C28	<10.0	10.0	01/23/2015	ND	198	99.0	200	2.87	
EXT DRO >C28-C35	<10.0	10.0	01/23/2015	ND					

Surrogate: 1-Chlorooctane 94.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 103 % 52.1-176

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Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/20/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 6 (1') (H500205-23)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	8.42	2.00	01/24/2015	ND	1.74	87.0	2.00	4.85	
Toluene*	77.9	2.00	01/24/2015	ND	1.66	83.1	2.00	6.04	
Ethylbenzene*	15.3	2.00	01/24/2015	ND	1.60	79.9	2.00	7.17	
Total Xylenes*	97.2	6.00	01/24/2015	ND	4.84	80.7	6.00	7.52	
Total BTX	199	12.0	01/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 61-154

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	01/22/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	3250	10.0	01/23/2015	ND	192	95.8	200	2.95		
DRO >C10-C28	5810	10.0	01/23/2015	ND	198	99.0	200	2.87		
EXT DRO >C28-C35	680	10.0	01/23/2015	ND						

Surrogate: 1-Chlorooctane 212 % 47.2-157

Surrogate: 1-Chlorooctadecane 174 % 52.1-176

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Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/20/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 6 (2') (H500205-24)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	12.4	2.00	01/24/2015	ND	1.74	87.0	2.00	4.85	
Toluene*	90.8	2.00	01/24/2015	ND	1.66	83.1	2.00	6.04	
Ethylbenzene*	16.0	2.00	01/24/2015	ND	1.60	79.9	2.00	7.17	
Total Xylenes*	102	6.00	01/24/2015	ND	4.84	80.7	6.00	7.52	
Total BTEX	222	12.0	01/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

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	01/22/2015	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3650	10.0	01/23/2015	ND	192	95.8	200	2.95	
DRO >C10-C28	6090	10.0	01/23/2015	ND	198	99.0	200	2.87	
EXT DRO >C28-C35	738	10.0	01/23/2015	ND					

Surrogate: 1-Chlorooctane 216 % 47.2-157

Surrogate: 1-Chlorooctadecane 172 % 52.1-176

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Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/20/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 6 (3') (H500205-25)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	12.2	2.00	01/24/2015	ND	1.74	87.0	2.00	4.85	
Toluene*	76.8	2.00	01/24/2015	ND	1.66	83.1	2.00	6.04	
Ethylbenzene*	13.0	2.00	01/24/2015	ND	1.60	79.9	2.00	7.17	
Total Xylenes*	82.5	6.00	01/24/2015	ND	4.84	80.7	6.00	7.52	
Total BTX	185	12.0	01/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 61-154

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	01/22/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	3000	10.0	01/23/2015	ND	192	95.8	200	2.95		
DRO >C10-C28	4440	10.0	01/23/2015	ND	198	99.0	200	2.87		
EXT DRO >C28-C35	504	10.0	01/23/2015	ND						

Surrogate: 1-Chlorooctane 187 % 47.2-157

Surrogate: 1-Chlorooctadecane 157 % 52.1-176

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Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/20/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 6 (5') (H500205-26)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	19.6	2.00	01/24/2015	ND	1.74	87.0	2.00	4.85	
Toluene*	115	2.00	01/24/2015	ND	1.66	83.1	2.00	6.04	
Ethylbenzene*	20.9	2.00	01/24/2015	ND	1.60	79.9	2.00	7.17	
Total Xylenes*	133	6.00	01/24/2015	ND	4.84	80.7	6.00	7.52	
Total BTEX	289	12.0	01/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 61-154

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	01/22/2015	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	3650	10.0	01/23/2015	ND	192	95.8	200	2.95		
DRO >C10-C28	7570	10.0	01/23/2015	ND	198	99.0	200	2.87		
EXT DRO >C28-C35	872	10.0	01/23/2015	ND						

Surrogate: 1-Chlorooctane 236 % 47.2-157

Surrogate: 1-Chlorooctadecane 189 % 52.1-176

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Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/20/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 6 (7') (H500205-27)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.083	0.050	01/24/2015	ND	1.74	87.0	2.00	4.85	
Toluene*	0.204	0.050	01/24/2015	ND	1.66	83.1	2.00	6.04	
Ethylbenzene*	<0.050	0.050	01/24/2015	ND	1.60	79.9	2.00	7.17	
Total Xylenes*	<0.150	0.150	01/24/2015	ND	4.84	80.7	6.00	7.52	
Total BTEX	<0.300	0.300	01/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 61-154

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	01/22/2015	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10.9	10.0	01/23/2015	ND	192	95.8	200	2.95	
DRO >C10-C28	<10.0	10.0	01/23/2015	ND	198	99.0	200	2.87	
EXT DRO >C28-C35	<10.0	10.0	01/23/2015	ND					

Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 111 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/20/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 6 (9') (H500205-28)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2015	ND	1.74	87.0	2.00	4.85	
Toluene*	<0.050	0.050	01/24/2015	ND	1.66	83.1	2.00	6.04	
Ethylbenzene*	<0.050	0.050	01/24/2015	ND	1.60	79.9	2.00	7.17	
Total Xylenes*	<0.150	0.150	01/24/2015	ND	4.84	80.7	6.00	7.52	
Total BTEx	<0.300	0.300	01/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/22/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/23/2015	ND	192	95.8	200	2.95	
DRO >C10-C28	<10.0	10.0	01/23/2015	ND	198	99.0	200	2.87	
EXT DRO >C28-C35	<10.0	10.0	01/23/2015	ND					

Surrogate: 1-Chlorooctane 95.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 109 % 52.1-176

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Analytical Results For:

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Fax To: (505) 394-2601

Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/20/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 7 (1') (H500205-29)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	01/24/2015	ND	1.74	87.0	2.00	4.85	
Toluene*	38.0	2.00	01/24/2015	ND	1.66	83.1	2.00	6.04	
Ethylbenzene*	10.9	2.00	01/24/2015	ND	1.60	79.9	2.00	7.17	
Total Xylenes*	74.9	6.00	01/24/2015	ND	4.84	80.7	6.00	7.52	
Total BTEX	124	12.0	01/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 61-154

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	01/22/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2490	10.0	01/23/2015	ND	192	95.8	200	2.95	
DRO >C10-C28	5850	10.0	01/23/2015	ND	198	99.0	200	2.87	
EXT DRO >C28-C35	639	10.0	01/23/2015	ND					

Surrogate: 1-Chlorooctane 206 % 47.2-157

Surrogate: 1-Chlorooctadecane 178 % 52.1-176

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Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/20/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 7 (2') (H500205-30)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2015	ND	1.74	87.0	2.00	4.85	
Toluene*	0.079	0.050	01/24/2015	ND	1.66	83.1	2.00	6.04	
Ethylbenzene*	<0.050	0.050	01/24/2015	ND	1.60	79.9	2.00	7.17	
Total Xylenes*	<0.150	0.150	01/24/2015	ND	4.84	80.7	6.00	7.52	
Total BTEx	<0.300	0.300	01/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 61-154

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	01/22/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	11.0	10.0	01/23/2015	ND	192	95.8	200	2.95	
DRO >C10-C28	20.4	10.0	01/23/2015	ND	198	99.0	200	2.87	
EXT DRO >C28-C35	<10.0	10.0	01/23/2015	ND					

Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 111 % 52.1-176

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Analytical Results For:

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Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/20/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 7 (3') (H500205-31)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2015	ND	1.74	87.0	2.00	4.85	
Toluene*	<0.050	0.050	01/24/2015	ND	1.66	83.1	2.00	6.04	
Ethylbenzene*	<0.050	0.050	01/24/2015	ND	1.60	79.9	2.00	7.17	
Total Xylenes*	<0.150	0.150	01/24/2015	ND	4.84	80.7	6.00	7.52	
Total BTEx	<0.300	0.300	01/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 61-154

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	01/22/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/23/2015	ND	192	95.8	200	2.95	
DRO >C10-C28	<10.0	10.0	01/23/2015	ND	198	99.0	200	2.87	
EXT DRO >C28-C35	<10.0	10.0	01/23/2015	ND					

Surrogate: 1-Chlorooctane 95.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 113 % 52.1-176

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Analytical Results For:

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Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/20/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 7 (6') (H500205-32)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2015	ND	1.73	86.3	2.00	4.78	
Toluene*	<0.050	0.050	01/24/2015	ND	1.68	83.8	2.00	5.78	
Ethylbenzene*	<0.050	0.050	01/24/2015	ND	1.64	81.8	2.00	5.48	
Total Xylenes*	<0.150	0.150	01/24/2015	ND	4.94	82.4	6.00	5.56	
Total BTX	<0.300	0.300	01/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

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	01/22/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/23/2015	ND	192	95.8	200	2.95	
DRO >C10-C28	<10.0	10.0	01/23/2015	ND	198	99.0	200	2.87	
EXT DRO >C28-C35	<10.0	10.0	01/23/2015	ND					

Surrogate: 1-Chlorooctane 97.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 113 % 52.1-176

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Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/20/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 8 (1') (H500205-33)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/24/2015	ND	1.73	86.3	2.00	4.78		
Toluene*	<0.050	0.050	01/24/2015	ND	1.68	83.8	2.00	5.78		
Ethylbenzene*	<0.050	0.050	01/24/2015	ND	1.64	81.8	2.00	5.48		
Total Xylenes*	<0.150	0.150	01/24/2015	ND	4.94	82.4	6.00	5.56		
Total BTEx	<0.300	0.300	01/24/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 61-154

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	01/22/2015	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/23/2015	ND	192	95.8	200	2.95	
DRO >C10-C28	<10.0	10.0	01/23/2015	ND	198	99.0	200	2.87	
EXT DRO >C28-C35	<10.0	10.0	01/23/2015	ND					

Surrogate: 1-Chlorooctane 96.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 111 % 52.1-176

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

Received: 01/21/2015
Reported: 01/26/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 01/20/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 8 (2') (H500205-34)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2015	ND	1.73	86.3	2.00	4.78	
Toluene*	<0.050	0.050	01/24/2015	ND	1.68	83.8	2.00	5.78	
Ethylbenzene*	<0.050	0.050	01/24/2015	ND	1.64	81.8	2.00	5.48	
Total Xylenes*	<0.150	0.150	01/24/2015	ND	4.94	82.4	6.00	5.56	
Total BTX	<0.300	0.300	01/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/22/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/23/2015	ND	192	95.8	200	2.95	
DRO >C10-C28	<10.0	10.0	01/23/2015	ND	198	99.0	200	2.87	
EXT DRO >C28-C35	<10.0	10.0	01/23/2015	ND					

Surrogate: 1-Chlorooctane 94.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 111 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
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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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 JV CVX BS 017H
Location	UL-C Sec. 7, T25S, R31E
Project Reference	
EPI Sampler Name	David Robinson

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

Bill To

ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		BTEX 8021B	TPH 8015M	CHLORIDES (Cl ⁻)	SULFATES (SO ₄ ²⁻)	pH	TCLP	OTHER >>>	PAH		
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE									TIME	
	1 SP1 (1')	G	1			X					X			19-Jan-15	10:20	X	X	X					
	2 SP1 (2')	G	1			X					X			19-Jan-15	10:22	X	X	X					
	3 SP1 (3')	G	1			X					X			19-Jan-15	10:24	X	X	X					
	4 SP1 (4')	G	1			X					X			19-Jan-15	10:50	X	X	X					
	5 SP2 (1')	G	1			X					X			19-Jan-15	10:56	X	X	X					
	6 SP2 (2')	G	1			X					X			19-Jan-15	10:59	X	X	X					
	7 SP2 (3')	G	1			X					X			19-Jan-15	11:20	X	X	X					
	8 SP3 (1')	G	1			X					X			19-Jan-15	11:40	X	X	X					
	9 SP3 (2')	G	1			X					X			19-Jan-15	11:42	X	X	X					
	10 SP3 (3')	G	1			X					X			19-Jan-15	11:44	X	X	X					

Sampler Relinquished:	Date: 1-21-15	Received By:	Date: 1-21-15
Relinquished by:	Time: 6:00 am	Received By: (lab stamp)	Time: 3:24 pm
Delivered by:	Time: 1:42	Sample Cool & Intact	Checked By:
		Yes	
		No	

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

#54

Environmental Plus, Inc.

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P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB

Cardinal

Company Name	Environmental Plus, Inc.
EPI Project Manager	Daniel Dominguez
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	575-394-3481 / 575-394-2601
Client Company	BOPCO
Facility Name	PLU JV CVX BS 017H
Location	UL-C Sec. 7, T2S, R31E
Project Reference	
EPI Sampler Name	David Robinson

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

Bill To

ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	BTX 8021B	TPH 8015M	CHLORIDES (Cl ⁻)	SULFATES (SO ₄ ²⁻)	pH	TCLP	OTHER >>>	PAH
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:												
11	SP3 (4')	G	1			X				X		19-Jan-15	11:55	X	X	X					
12	SP4 (1')	G	1			X				X		19-Jan-15	12:25	X	X	X					
13	SP4 (2')	G	1			X				X		19-Jan-15	12:27	X	X	X					
14	SP4 (3')	G	1			X				X		19-Jan-15	12:29	X	X	X					
15	SP4 (4')	G	1			X				X		19-Jan-15	12:31	X	X	X					
16	SP4 (5')	G	1			X				X		19-Jan-15	12:59	X	X	X					
17	SP5 (1')	G	1			X				X		19-Jan-15	13:45	X	X	X					
18	SP5 (2')	G	1			X				X		19-Jan-15	13:47	X	X	X					
19	SP5 (3')	G	1			X				X		19-Jan-15	13:50	X	X	X					
20	SP5 (5')	G	1			X				X		19-Jan-15	13:59	X	X	X					

Sampler Relinquished:

Date: 1-21-15

Received By:

Relinquished by:

Date: 1-21-15

Received By: (lab sign)

Delivered by:

Date: 1-21-15

Sample Odor & Intact

Checked By:

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

1.40

#54

Environmental Plus, Inc.

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

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form
LAB Cardinal

Bill To

ANALYSIS REQUEST

Company Name Environmental Plus, Inc.

EPI Project Manager Daniel Dominguez

Mailing Address P.O. BOX 1558

City, State, Zip Eunice New Mexico 88231

EPI Phone#/Fax# 575-394-3481 / 575-394-2601

Client Company BOPCO

Facility Name PLU JV CVX BS 017H

Location UL-C Sec. 7, T25S, R31E

Project Reference

EPI Sampler Name David Robinson

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

LAB I.D.

SAMPLE I.D.

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING											
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:		ACID/BASE	ICE/COOL	OTHER	DATE	TIME							
21	SP5 (7')	G	1			X				X		20-Jan-15	9:42	X	X	X						
22	SP5 (9')	G	1			X				X		20-Jan-15	10:20	X	X	X						
23	SP6 (1')	G	1			X				X		20-Jan-15	11:15	X	X	X						
24	SP6 (2')	G	1			X				X		20-Jan-15	11:16	X	X	X						
25	SP6 (3')	G	1			X				X		20-Jan-15	11:17	X	X	X						
26	SP6 (5')	G	1			X				X		20-Jan-15	11:19	X	X	X						
27	SP6 (7')	G	1			X				X		20-Jan-15	11:30	X	X	X						
28	SP6 (9')	G	1			X				X		20-Jan-15	12:00	X	X	X						
29	SP7 (1')	G	1			X				X		20-Jan-15	1:00	X	X	X						
30	SP7 (2')	G	1			X				X		20-Jan-15	1:01	X	X	X						

Sampler Relinquished:

Date 1-21-15

Received By: David Robinson

Relinquished by:

Date 1-21-15

Received By: David Robinson

Delivered by:

1.40

Sample Cool & Intact Yes

Checked By: David Robinson

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

Environmental Plus, Inc.

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

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB Cardinal

Bill To

ANALYSIS REQUEST

Company Name Environmental Plus, Inc.

EPI Project Manager Daniel Dominguez

Mailing Address P.O. BOX 1558

City, State, Zip Eunice New Mexico 88231

EPI Phone#/Fax# 575-394-3481 / 575-394-2601

Client Company BOPCO

Facility Name PLU JV CVX BS 017H

Location UL-C Sec. 7, T25S, R31E

Project Reference

EPI Sampler Name David Robinson

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

LAB I.D.

SAMPLE I.D.

(G)RAB OR (C)OMP.

CONTAINERS

GROUND WATER

WASTEWATER

SOIL

CRUDE OIL

SLUDGE

OTHER:

ACID/BASE

ICE/COOL

OTHER

DATE

TIME

BTEX 8021B

TPH 8015M

CHLORIDES (Cl)

SULFATES (SO₄²⁻)

pH

TCLP

OTHER >>>

PAH

31 SP7 (3')

G

1

X

X

X

X

X

X

X

X

X

X

X

X

X

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X

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32 SP7 (6')

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33 SP8 (1')

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34 SP8 (2')

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X

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X

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X

X

X

X

X

35

36

37

38

39

40

Sampler Relinquished:

Relinquished by:

Delivered by:

Date

Time

Date

Time

Received By:

Date

Time

Received By: (lab use)

Date

Time

Sample Col & Intact

Yes

No

Checked By:

Yes

No

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

February 17, 2015

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: PLU JV CVX BS 017H

Enclosed are the results of analyses for samples received by the laboratory on 02/11/15 9:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



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: 02/11/2015
Reported: 02/17/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 02/09/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP A (SURFACE) (H500396-01)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2015	ND	1.64	82.1	2.00	10.0	
Toluene*	<0.050	0.050	02/13/2015	ND	1.59	79.6	2.00	10.4	
Ethylbenzene*	<0.050	0.050	02/13/2015	ND	1.53	76.7	2.00	9.83	
Total Xylenes*	<0.150	0.150	02/13/2015	ND	4.54	75.7	6.00	10.2	
Total BTX	<0.300	0.300	02/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2040	16.0	02/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/11/2015	ND	193	96.3	200	0.260	
DRO >C10-C28	4470	10.0	02/11/2015	ND	190	94.8	200	6.11	
EXT DRO >C28-C35	868	10.0	02/11/2015	ND					

Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 147 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 02/11/2015
 Reported: 02/17/2015
 Project Name: PLU JV CVX BS 017H
 Project Number: NONE GIVEN
 Project Location: UL-C SEC. 7, T25S, R31E

 Sampling Date: 02/09/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP A (1') (H500396-02)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2015	ND	1.64	82.1	2.00	10.0		
Toluene*	<0.050	0.050	02/13/2015	ND	1.59	79.6	2.00	10.4		
Ethylbenzene*	<0.050	0.050	02/13/2015	ND	1.53	76.7	2.00	9.83		
Total Xylenes*	<0.150	0.150	02/13/2015	ND	4.54	75.7	6.00	10.2		
Total BTEx	<0.300	0.300	02/13/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 61-154

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	02/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/11/2015	ND	193	96.3	200	0.260	
DRO >C10-C28	<10.0	10.0	02/11/2015	ND	190	94.8	200	6.11	
EXT DRO >C28-C35	<10.0	10.0	02/11/2015	ND					

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 91.7 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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P.O. Box 1558
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Fax To: (505) 394-2601

Received: 02/11/2015
Reported: 02/17/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 02/09/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP B (SURFACE) (H500396-03)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2015	ND	1.64	82.1	2.00	10.0	
Toluene*	<0.050	0.050	02/13/2015	ND	1.59	79.6	2.00	10.4	
Ethylbenzene*	<0.050	0.050	02/13/2015	ND	1.53	76.7	2.00	9.83	
Total Xylenes*	0.765	0.150	02/13/2015	ND	4.54	75.7	6.00	10.2	
Total BTX	0.765	0.300	02/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	131	10.0	02/11/2015	ND	193	96.3	200	0.260	
DRO >C10-C28	1640	10.0	02/11/2015	ND	190	94.8	200	6.11	
EXT DRO >C28-C35	234	10.0	02/11/2015	ND					

Surrogate: 1-Chlorooctane 122 % 47.2-157

Surrogate: 1-Chlorooctadecane 104 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 02/11/2015
Reported: 02/17/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 02/09/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP B (1') (H500396-04)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2015	ND	1.64	82.1	2.00	10.0		
Toluene*	<0.050	0.050	02/13/2015	ND	1.59	79.6	2.00	10.4		
Ethylbenzene*	<0.050	0.050	02/13/2015	ND	1.53	76.7	2.00	9.83		
Total Xylenes*	<0.150	0.150	02/13/2015	ND	4.54	75.7	6.00	10.2		
Total BTX	<0.300	0.300	02/13/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/11/2015	ND	193	96.3	200	0.260	
DRO >C10-C28	<10.0	10.0	02/11/2015	ND	190	94.8	200	6.11	
EXT DRO >C28-C35	<10.0	10.0	02/11/2015	ND					

Surrogate: 1-Chlorooctane 110 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.7 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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Fax To: (505) 394-2601

Received: 02/11/2015
Reported: 02/17/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 02/09/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP C (SURFACE) (H500396-05)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2015	ND	1.64	82.1	2.00	10.0	
Toluene*	<0.050	0.050	02/13/2015	ND	1.59	79.6	2.00	10.4	
Ethylbenzene*	<0.050	0.050	02/13/2015	ND	1.53	76.7	2.00	9.83	
Total Xylenes*	<0.150	0.150	02/13/2015	ND	4.54	75.7	6.00	10.2	
Total BTEx	<0.300	0.300	02/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/12/2015	ND	188	94.1	200	3.07	
DRO >C10-C28	64.4	10.0	02/12/2015	ND	181	90.4	200	5.10	
EXT DRO >C28-C35	11.5	10.0	02/12/2015	ND					

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.9 % 52.1-176

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 02/11/2015
 Reported: 02/17/2015
 Project Name: PLU JV CVX BS 017H
 Project Number: NONE GIVEN
 Project Location: UL-C SEC. 7, T25S, R31E

 Sampling Date: 02/09/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP C (1') (H500396-06)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2015	ND	1.64	82.1	2.00	10.0	
Toluene*	<0.050	0.050	02/13/2015	ND	1.59	79.6	2.00	10.4	
Ethylbenzene*	<0.050	0.050	02/13/2015	ND	1.53	76.7	2.00	9.83	
Total Xylenes*	<0.150	0.150	02/13/2015	ND	4.54	75.7	6.00	10.2	
Total BTEx	<0.300	0.300	02/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/12/2015	ND	188	94.1	200	3.07	
DRO >C10-C28	<10.0	10.0	02/12/2015	ND	181	90.4	200	5.10	
EXT DRO >C28-C35	<10.0	10.0	02/12/2015	ND					

Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 90.4 % 52.1-176

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 02/11/2015
Reported: 02/17/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 02/09/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP D (SURFACE) (H500396-07)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2015	ND	1.64	82.1	2.00	10.0	
Toluene*	<0.050	0.050	02/13/2015	ND	1.59	79.6	2.00	10.4	
Ethylbenzene*	<0.050	0.050	02/13/2015	ND	1.53	76.7	2.00	9.83	
Total Xylenes*	0.282	0.150	02/13/2015	ND	4.54	75.7	6.00	10.2	
Total BTEx	<0.300	0.300	02/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	46.0	10.0	02/12/2015	ND	188	94.1	200	3.07	
DRO >C10-C28	6980	10.0	02/12/2015	ND	181	90.4	200	5.10	
EXT DRO >C28-C35	1540	10.0	02/12/2015	ND					

Surrogate: 1-Chlorooctane 110 % 47.2-157

Surrogate: 1-Chlorooctadecane 193 % 52.1-176

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

Received: 02/11/2015
Reported: 02/17/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 02/09/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP D (1') (H500396-08)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2015	ND	1.64	82.1	2.00	10.0		
Toluene*	<0.050	0.050	02/13/2015	ND	1.59	79.6	2.00	10.4		
Ethylbenzene*	<0.050	0.050	02/13/2015	ND	1.53	76.7	2.00	9.83		
Total Xylenes*	<0.150	0.150	02/13/2015	ND	4.54	75.7	6.00	10.2		
Total BTEX	<0.300	0.300	02/13/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 61-154

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	02/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/12/2015	ND	188	94.1	200	3.07	
DRO >C10-C28	<10.0	10.0	02/12/2015	ND	181	90.4	200	5.10	
EXT DRO >C28-C35	<10.0	10.0	02/12/2015	ND					

Surrogate: 1-Chlorooctane 109 % 47.2-157

Surrogate: 1-Chlorooctadecane 98.1 % 52.1-176

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

Received: 02/11/2015
Reported: 02/17/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 02/09/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP E (SURFACE) (H500396-09)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2015	ND	1.64	82.1	2.00	10.0	
Toluene*	<0.050	0.050	02/13/2015	ND	1.59	79.6	2.00	10.4	
Ethylbenzene*	<0.050	0.050	02/13/2015	ND	1.53	76.7	2.00	9.83	
Total Xylenes*	<0.150	0.150	02/13/2015	ND	4.54	75.7	6.00	10.2	
Total BTX	<0.300	0.300	02/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	566	16.0	02/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	13.1	10.0	02/12/2015	ND	188	94.1	200	3.07	
DRO >C10-C28	5830	10.0	02/12/2015	ND	181	90.4	200	5.10	
EXT DRO >C28-C35	1220	10.0	02/12/2015	ND					

Surrogate: 1-Chlorooctane 108 % 47.2-157

Surrogate: 1-Chlorooctadecane 174 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 02/11/2015
Reported: 02/17/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 02/09/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP E (1') (H500396-10)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2015	ND	1.64	82.1	2.00	10.0		
Toluene*	<0.050	0.050	02/13/2015	ND	1.59	79.6	2.00	10.4		
Ethylbenzene*	<0.050	0.050	02/13/2015	ND	1.53	76.7	2.00	9.83		
Total Xylenes*	<0.150	0.150	02/13/2015	ND	4.54	75.7	6.00	10.2		
Total BTEx	<0.300	0.300	02/13/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/12/2015	ND	188	94.1	200	3.07	
DRO >C10-C28	<10.0	10.0	02/12/2015	ND	181	90.4	200	5.10	
EXT DRO >C28-C35	<10.0	10.0	02/12/2015	ND					

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 94.7 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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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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 JV CVX BS 017H

Location UL-C Sec. 7, T25S, R31E

Project Reference

EPI Sampler Name David Robinson

Bill To

BOPCO, L.P.
Attn: Brad Blevins
AFE #25912
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											
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl ⁻)	SULFATES (SO ₄ ²⁻)	pH	TCLP	OTHER >>>	PAH
15003916																						
1	SPA (Surface)	G	1	X		X					X		09-Feb-15	10:27	X	X	X					
2	SPA (1')	G	1	X		X					X		09-Feb-15	10:30	X	X	X					
3	SPB (Surface)	G	1	X		X					X		09-Feb-15	11:50	X	X	X					
4	SPB (1')	G	1	X		X					X		09-Feb-15	11:52	X	X	X					
5	SPC (Surface)	G	1	X		X					X		09-Feb-15	11:11	X	X	X					
6	SPC (1')	G	1	X		X					X		09-Feb-15	11:13	X	X	X					
7	SPD (Surface)	G	1	X		X					X		09-Feb-15	11:35	X	X	X					
8	SPD (1')	G	1	X		X					X		09-Feb-15	11:39	X	X	X					
9	SPE (Surface)	G	1	X		X					X		09-Feb-15	11:55	X	X	X					
10	SPE (1')	G	1	X		X					X		09-Feb-15	11:58	X	X	X					

Sampler Relinquished:

Date: 2-10-15

Received By:

Relinquished by:

Date: 2-10-15

Received By: (lab staff)

Delivered by:

Date: 2-10-15

Sample Codi & Intact

Checked By:

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



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

March 23, 2015

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: PLU JV CVX BS 017H

Enclosed are the results of analyses for samples received by the laboratory on 03/17/15 15:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 03/17/2015
 Reported: 03/23/2015
 Project Name: PLU JV CVX BS 017H
 Project Number: NONE GIVEN
 Project Location: UL-C SEC. 7, T25S, R31E

 Sampling Date: 03/16/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: 3 N (4") (H500725-01)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2015	ND	2.17	108	2.00	2.16	
Toluene*	<0.050	0.050	03/19/2015	ND	1.95	97.6	2.00	0.782	
Ethylbenzene*	<0.050	0.050	03/19/2015	ND	1.93	96.6	2.00	1.69	
Total Xylenes*	<0.150	0.150	03/19/2015	ND	5.85	97.6	6.00	1.86	
Total BTEX	<0.300	0.300	03/19/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 61-154

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/18/2015	ND	200	99.8	200	4.57	
DRO >C10-C28	412	10.0	03/18/2015	ND	213	106	200	2.49	
EXT DRO >C28-C35	76.7	10.0	03/18/2015	ND					

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 99.8 % 52.1-176

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

Received: 03/17/2015
Reported: 03/23/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 03/16/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: 3 S (4") (H500725-02)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2015	ND	2.32	116	2.00	3.59	
Toluene*	<0.050	0.050	03/20/2015	ND	2.10	105	2.00	3.14	
Ethylbenzene*	<0.050	0.050	03/20/2015	ND	2.08	104	2.00	3.20	
Total Xylenes*	<0.150	0.150	03/20/2015	ND	6.31	105	6.00	3.52	
Total BTEx	<0.300	0.300	03/20/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 61-154

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/18/2015	ND	200	99.8	200	4.57	
DRO >C10-C28	447	10.0	03/18/2015	ND	213	106	200	2.49	
EXT DRO >C28-C35	76.6	10.0	03/18/2015	ND					

Surrogate: 1-Chlorooctane 97.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.2 % 52.1-176

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Fax To: (505) 394-2601

Received: 03/17/2015
Reported: 03/23/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 03/16/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: 5 N (4") (H500725-03)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2015	ND	2.32	116	2.00	3.59	
Toluene*	<0.050	0.050	03/20/2015	ND	2.10	105	2.00	3.14	
Ethylbenzene*	<0.050	0.050	03/20/2015	ND	2.08	104	2.00	3.20	
Total Xylenes*	<0.150	0.150	03/20/2015	ND	6.31	105	6.00	3.52	
Total BTX	<0.300	0.300	03/20/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 61-154

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/18/2015	ND	200	99.8	200	4.57	
DRO >C10-C28	469	10.0	03/18/2015	ND	213	106	200	2.49	
EXT DRO >C28-C35	78.0	10.0	03/18/2015	ND					

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 104 % 52.1-176

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Fax To: (505) 394-2601

Received: 03/17/2015
Reported: 03/23/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 03/16/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: 5 S (4") (H500725-04)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2015	ND	2.32	116	2.00	3.59	
Toluene*	<0.050	0.050	03/20/2015	ND	2.10	105	2.00	3.14	
Ethylbenzene*	<0.050	0.050	03/20/2015	ND	2.08	104	2.00	3.20	
Total Xylenes*	<0.150	0.150	03/20/2015	ND	6.31	105	6.00	3.52	
Total BTEx	<0.300	0.300	03/20/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 61-154

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/18/2015	ND	200	99.8	200	4.57	
DRO >C10-C28	274	10.0	03/18/2015	ND	213	106	200	2.49	
EXT DRO >C28-C35	38.2	10.0	03/18/2015	ND					

Surrogate: 1-Chlorooctane 96.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.7 % 52.1-176

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 JV CVX BS 017H

Location UL-C Sec. 7, T25S, R31E

AFE# 25912

EPI Sampler Name David Robinson

Bill To

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

ANALYSIS REQUEST

EPI Project Manager		Daniel Dominguez	
Mailing Address		P.O. BOX 1558	
City, State, Zip		Eunice New Mexico 88231	
EPI Phone#/Fax#		575-394-3481 / 575-394-2601	
Client Company		BOPCO	
Facility Name		PLU JV CVX BS 017H	
Location		UL- C Sec. 7, T25S, R31E	
AFE#		25912	
EPI Sampler Name		David Robinson	

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:		ACID/BASE	ICE/COOL

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Sampler Relinquished:

Date: 3/17/15 Received By: David Robinson

Relinquished by:

Date: 3-17-15 Received By: (lab staff)

Delivered by:

Date: 3-17-15

Sample Cool & Intact

Checked By:

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

ATTACHMENT III
Disposal Tickets

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

NON-HAZARDOUS WASTE MANIFEST

NO 107142

1. PAGE OF

2. TRAILER NO. 127

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3. COMPANY NAME

BOPCO LP

PHONE NO.

(432) 603-2277

4. ADDRESS

8 West Drive Ste 3700

CITY

Midland

STATE

TX

ZIP

79705

5. PICK-UP DATE

2/6/2015

6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a. Non-Regulated, Non-Hazardous Waste

b.

c.

d.

29,320

31620

8. CONTAINERS
No. Type

9. TOTAL
QUANTITY

10. UNIT
Wt/Vol.

11. TEXAS
WASTE ID #

12. COMMENTS OR SPECIAL INSTRUCTIONS:

PLU CVC NBS #107142

13. WASTE PROFILE NO.

14.

IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

Don Slaughter

PHONE NO.

575-887-4048

24-HOUR EMERGENCY NO.

15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC.

PRINTED/TYPED NAME

SIGNATURE

DATE

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16. TRANSPORTER (1)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

18. TRANSPORTER (1): Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

17.

TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. TRANSPORTER (2): Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

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Lea Land, LLC

ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,
30 Miles East of Carlsbad, NM

PHONE:

575-887-4048

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

Donna Johnson

CELL NO.

DATE

TIME

2/6/2015

10:05

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

NON-HAZARDOUS WASTE MANIFEST

NO **107143**

1. PAGE 1 OF 1

2. TRAILER NO. **129**

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3. COMPANY NAME

BOY GROUP

PHONE NO.

(432) 683-2277

4. ADDRESS

6 Costa Drive Ste 3700

CITY

Midland

STATE

TX

ZIP

79705

5. PICK-UP DATE

2/6/2015

6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a. **Non-Hazardous, 100% Hazardous Waste**

b.

c.

d.

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

14.

IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

Kim Slaughter

PHONE NO.

575-887-4048

24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC.

PRINTED/TYPED NAME

SIGNATURE

DATE

16. **TRANSPORTER (1)**

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

18. **TRANSPORTER (1):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

17. **TRANSPORTER (2)**

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. **TRANSPORTER (2):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

Lea Land, LLC

ADDRESS:

**Mile Marker 64, U.S. Hwy 62/180,
30 Miles East of Carlsbad, NM**

PHONE:

575-887-4048

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

CELL NO.

DATE

TIME

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

NON-HAZARDOUS WASTE MANIFEST

NO **107184**

1. PAGE OF

2. TRAILER NO. **1291**

GENERATOR'S CERTIFICATION	3. COMPANY NAME Environmental Plus Inc		4. ADDRESS 6100 S. Main St Ste 3700		5. PICK-UP DATE 2/9/2015	
	PHONE NO. (132) 683-2277		CITY Midland	STATE TX	ZIP 79705	6. TNRCC LD. NO.
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:				8. CONTAINERS	9. TOTAL QUANTITY
	a. Non-Hazardous, Non-Hazardous Waste				No.	Type
TRANSPORTER'S CERTIFICATION	b. 33,300					
	c. 33,300					
	d. 33,300					
	12. COMMENTS OR SPECIAL INSTRUCTIONS:				13. WASTE PROFILE NO.	
DISPOSAL FACILITY'S CERTIFICATION	14. IN CASE OF EMERGENCY OR SPILL, CONTACT					
	NAME Pin Strader		PHONE NO. 575-887-1018		24-HOUR EMERGENCY NO.	

15. GENERATOR'S CERTIFICATION: I Herby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME SIGNATURE DATE

TRANSPORTER (1)	16. TRANSPORTER (1)		17. TRANSPORTER (2)	
	NAME: ENVIRONMENTAL PLUS INC.		NAME:	
	TEXAS LD. NO.		TEXAS LD. NO.	
	IN CASE OF EMERGENCY CONTACT: ROGER BOONE		IN CASE OF EMERGENCY CONTACT:	
EMERGENCY PHONE: (575) 300-2725		EMERGENCY PHONE:		

18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material	
PRINTED/TYPED NAME James N. Nye		PRINTED/TYPED NAME	
SIGNATURE James N. Nye DATE 2/9/2015		SIGNATURE DATE	

DISPOSAL FACILITY'S CERTIFICATION	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: 575-887-4048
	PERMIT NO. WM-01-035 - New Mexico		20. COMMENTS		
	21. DISPOSAL FACILITY'S CERTIFICATION: I Herby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.				
	AUTHORIZED SIGNATURE Dunna Shino		CELL NO.	DATE 2/9/2015	TIME 120

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

NON-HAZARDOUS WASTE MANIFEST

NO **107185**

1. PAGE OF

2. TRAILER NO. **119**

GENERATOR'S CERTIFICATION:	3. COMPANY NAME BUFGOLD		4. ADDRESS 6 Delta Drive Ste 3700		5. PICK-UP DATE 2/9/2015	
	PHONE NO. (132) 683-2277		CITY Midland	STATE TX	ZIP 79705	6. TNRCC I.D. NO.
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:				8. CONTAINERS	9. TOTAL
					No.	Type
E	a. Non-regulated, Non-Hazardous waste					
	b. 21,320					
	c.					
	d. 31,420 25,920					
R	12. COMMENTS OR SPECIAL INSTRUCTIONS: 05					13. WASTE PROFILE NO.
A	14. IN CASE OF EMERGENCY OR SPILL, CONTACT					
	NAME Tim Slaughter		PHONE NO. 575-887-4048		24-HOUR EMERGENCY NO.	

15. GENERATOR'S CERTIFICATION: I Herby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE
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TRANSPORTER (1)	16. TRANSPORTER (1)		17. TRANSPORTER (2)	
	NAME: ENVIRONMENTAL PLUS INC		NAME:	
	TEXAS I.D. NO.		TEXAS I.D. NO.	
	IN CASE OF EMERGENCY CONTACT: ROGER BOONE		IN CASE OF EMERGENCY CONTACT:	
EMERGENCY PHONE: (575) 800-2725		EMERGENCY PHONE:		
18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material		
PRINTED/TYPED NAME Robert M. Moore		PRINTED/TYPED NAME		
SIGNATURE [Signature] DATE 2/9/2015		SIGNATURE DATE		

DISPOSAL SITE CERTIFICATION:	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: 575-887-4048
	PERMIT NO. WM-01-035 - New Mexico		20. COMMENTS		
	21. DISPOSAL FACILITY'S CERTIFICATION: I Herby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.				
	AUTHORIZED SIGNATURE Donna Johnson		CELL NO.	DATE 2/9/2015	TIME 1:20

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

NON-HAZARDOUS WASTE MANIFEST

NO **107233**

1. PAGE OF

2. TRAILER NO. **112**

G E N E R A T O R	3. COMPANY NAME Lea Land, LLC		4. ADDRESS 1300 West Main Street, Oklahoma City, OK 73106		5. PICK-UP DATE 2/10/2015	
	PHONE NO. (405) 236-4257		CITY Oklahoma City STATE OK ZIP 73106		6. TNRCC ID. NO. 	
	7. NAME OR DESCRIPTION OF WASTE SHIPPED: Non-Hazardous, Non-Hazardous Waste				8. CONTAINERS No. 46 Type 20	9. TOTAL QUANTITY 120
					10. UNIT Wt/Vol. 50060	11. TEXAS WASTE ID #
A T O R	12. COMMENTS OR SPECIAL INSTRUCTIONS: 				13. WASTE PROFILE NO. 	
	14. IN CASE OF EMERGENCY OR SPILL, CONTACT NAME John Slaughter PHONE NO. (505) 307-3018 24-HOUR EMERGENCY NO. 					
T R A N S P O R T E R S	15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC.					
	PRINTED/TYPED NAME 			SIGNATURE DATE 		
D I S P O S I T O R	16. TRANSPORTER (1) NAME: ENVIRONMENTAL PLUS INC. TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: ROGER BOONE EMERGENCY PHONE: (575) 390-2725			17. TRANSPORTER (2) NAME: TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: EMERGENCY PHONE: 		
	18. TRANSPORTER (1): Acknowledgment of receipt of material PRINTED/TYPED NAME JAMES MAHON SIGNATURE James Mahon DATE 2/10/2015			19. TRANSPORTER (2): Acknowledgment of receipt of material PRINTED/TYPED NAME SIGNATURE DATE 		
	20. COMMENTS 			 		
	21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.					
L E A L A N D	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: 575-887-4048	
	PERMIT NO. WM-01-035 - New Mexico		20. COMMENTS 			
L E A L A N D	AUTHORIZED SIGNATURE Dennis Swino		CELL NO. 		DATE 2/10/2015	TIME 9:25

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

FDI

NON-HAZARDOUS WASTE MANIFEST

NO 107234

1. PAGE OF

2. TRAILER NO.

127

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC	3. COMPANY NAME ENVIRONMENTAL PLUS INC	4. ADDRESS Mile Marker 64, U.S. Hwy 62/180	5. PICK-UP DATE		
	PHONE NO. (575) 887-2277	CITY Carlsbad	STATE NM	ZIP 88881	6. TNRCC ID. NO.
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:		8. CONTAINERS No. Type	9. TOTAL QUANTITY	10. UNFI Wt/Vol.
	a. <u>29,766</u>				
b. <u>23,780</u>					
c.					
d.					
12. COMMENTS OR SPECIAL INSTRUCTIONS: 10/10/2015 10:00 AM				13. WASTE PROFILE NO.	

14. IN CASE OF EMERGENCY OR SPILL, CONTACT
NAME: <u>Tim Slaughter</u> PHONE NO: <u>575-887-1018</u> 24-HOUR EMERGENCY NO.

15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC
PRINTED/TYPED NAME: _____ SIGNATURE: _____ DATE: _____

TRANSPORTER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC	16. TRANSPORTER (1) NAME: <u>ENVIRONMENTAL PLUS INC</u> TEXAS I.D. NO.: _____ IN CASE OF EMERGENCY CONTACT: <u>ROGER BOONE</u> EMERGENCY PHONE: <u>(575) 300-2725</u>	17. TRANSPORTER (2) NAME: _____ TEXAS I.D. NO.: _____ IN CASE OF EMERGENCY CONTACT: _____ EMERGENCY PHONE: _____	
	18. TRANSPORTER (1): Acknowledgment of receipt of material PRINTED/TYPED NAME: <u>Bazil F. Boone</u> SIGNATURE: <u>[Signature]</u> DATE: <u>2/10/2015</u>	19. TRANSPORTER (2): Acknowledgment of receipt of material PRINTED/TYPED NAME: _____ SIGNATURE: _____ DATE: _____	

DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.	Lea Land, LLC	ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: 575-887-4048	
	PERMIT NO. WM-01-035 - New Mexico	20. COMMENTS		
	21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.			
	AUTHORIZED SIGNATURE <u>[Signature]</u>	CELL NO. <u>no</u>	DATE 2/10/2015	TIME 10:00

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

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

State of New Mexico
Energy Minerals and Natural Resources

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

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

NAB1432439096		OPERATOR	<input checked="" type="checkbox"/> Initial Report	<input type="checkbox"/> Final Report
Name of Company: BOPCO, L.P.		Contact: Tony Savoie		
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220		Telephone No. 575-887-7329		
Facility Name: PLU-JV-CVX-Big Sinks #017H		Facility Type: Exploration and Production		
AKA PLU Big Sinks 7-25-31 USA #1H				

Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-40447
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LOCATION OF RELEASE

Unit Letter C	Section 7	Township 25S	Range 31E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
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Latitude N 32.151692 Longitude W 103.819416

NATURE OF RELEASE

Type of Release: Crude Oil	Volume of Release: 26 bbls. crude oil	Volume Recovered: 7 bbls
Source of Release: Flare stack	Date and Hour of Occurrence: 11/16/14 time unknown	Date and Hour of Discovery: 11/16/14 at approximately 1:39 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? M. Bratcher, H. Patterson, and Jim Amos BLM Via e-mail	
By Whom? Tony Savoie	Date and Hour: 11/16/14 at 4:12 p.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse	

NM OIL CONSERVATION
ARTESIA DISTRICT

If a Watercourse was Impacted, Describe Fully.*

NOV 18 2014

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Describe Cause of Problem and Remedial Action Taken.*

The flare stack motor valve and scrubber float valve failed to operate properly causing fluid to go out the flare stack. The system was repaired

Describe Area Affected and Cleanup Action Taken.*

The spill impacted approximately 2550 sq.ft. of pasture land that had been recently disturbed during a pipeline construction job. The release also misted approximately 4760 sq.ft. of pasture area. All of the free standing fluid was recovered; the stained area was left as is pending remediation. The spill area will be cleaned up in accordance to the NMOCD and BLM remediation guidelines.

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

Signature: <u>Tony Savoie</u>		OIL CONSERVATION DIVISION	
Printed Name: Tony Savoie		Signed By: <u>M. Bratcher</u> Approved by Environmental Specialist:	
Title: Waste Management and Remediation Specialist		Approval Date: <u>11/19/14</u>	Expiration Date: <u>N/A</u>
E-mail Address: <u>tasavoie@basspet.com</u>		Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>11/18/14</u>	Phone: 432-556-8730	Remediation per O.C.D. Rules & Guidelines SUBMIT REMEDIATION PROPOSAL NO LATER THAN: <u>12/19/14</u>	

* Attach Additional Sheets If Necessary

2RP-2613

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

Form C-141

NOV 26 2014 Revised August 8, 2011

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

RECEIVED

Release Notification and Corrective Action

NAB14330500440 OPERATOR ☒ Initial Report ☐ Final Report

Name of Company: BOPCO, L.P. <i>2100737</i>	Contact: Tony Savoie
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220	Telephone No. 575-887-7329
Facility Name: PLU-JV-CVX-Big Sinks #017H AKA PLU Big Sinks 7-25-31 USA #1H	Facility Type: Exploration and Production

Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-40447
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	7	25S	31E					Eddy

Latitude N 32.151692 Longitude W 103.819416

NATURE OF RELEASE

Type of Release: Crude Oil	Volume of Release: 105 bbls. crude oil	Volume Recovered: 85 bbls
Source of Release: Flare stack	Date and Hour of Occurrence: 11/18/14 time unknown	Date and Hour of Discovery: 11/18/14 at approximately 9:00 a.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? M. Bratcher in person during meeting.	
By Whom? Tony Savoie	Date and Hour: 11/18/14 at approximately 1:45 p.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

The circulation piping was tied into this system causing the vessels to overpressure and release to the flare stack. The piping was changed to eliminate pressure relief to the flare stack

Describe Area Affected and Cleanup Action Taken.*

The spill impacted approximately 1204 sq.ft. of bermed area around the flare stack, approximately 1694 sq.ft. of well pad where the fluid had puddled up on and approximately 7300 sq.ft. of pad-pasture area was misted. All of the free standing fluid was recovered; the stained area was left as is pending remediation. A portion of the spill area is on top of the spill on 11/16/14 reference 2RP-2613.
The spill areas will be cleaned up in accordance to the NMOCD and BLM remediation guidelines.

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

Signature: <i>Tony Savoie</i>		OIL CONSERVATION DIVISION	
Printed Name: Tony Savoie		Approved by Environmental Specialist <i>[Signature]</i>	
Title: Waste Management and Remediation Specialist		Approval Date: <i>11/26/14</i>	Expiration Date: <i>N/A</i>
E-mail Address: <i>tasavoie@basspet.com</i>		Conditions of Approval: Remediation per O.C.D. Rules & Guidelines SUBMIT REMEDIATION PROPOSAL NO.	
Date: 11/25/14		Attached <input type="checkbox"/>	
Phone: 432-556-8730		LATER THAN: <i>12/16/14</i>	

* Attach Additional Sheets If Necessary

2RP-2630

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

Form C-141

FEB 2 2015 Revised August 8, 2011

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

RECEIVED

Release Notification and Corrective Action

NAB/503438578

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: BOPCO, L.P.	Contact: Tony Savoie
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220	Telephone No. 575-887-7329
Facility Name: PLU-JV-CVX-Big Sinks #017H	Facility Type: Exploration and Production
AKA PLU Big Sinks 7-25-31 USA #1H	

Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-40447
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LOCATION OF RELEASE

Unit Letter C	Section 7	Township 25S	Range 31E	Feet from the 150	North/South Line North	Feet from the 1980	East/West Line West	County Eddy
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Latitude N 32.151139 Longitude W 103.818968

NATURE OF RELEASE

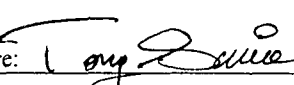
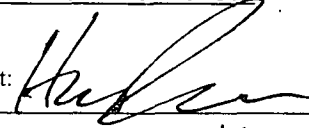
Type of Release: Crude Oil and produced water	Volume of Release: 320 bbls. crude oil and 82 bbls PW	Volume Recovered: 315 bbls crude oil and 78 bbls PW
Source of Release: Two Phase Separator	Date and Hour of Occurrence: 2/1/15 time unknown	Date and Hour of Discovery: 2/1/15 at approximately 9:00 a.m.
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, and Jim Amos "BLM"	
By Whom? Tony Savoie	Date and Hour: 11/18/14 at approximately 1:45 p.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
A sight glass failed on the two phase separator, the sight glass was replaced.

Describe Area Affected and Cleanup Action Taken.*
The majority of the spill was contained in 0-Perm containment around the process equipment. Due to the pressure of the release approximately 7,225 sq. ft. of caliche pad area was impacted by the release. A vacuum truck recovered 312 bbls of oil and 78 bbls of water from the containment, and picked up 3 bbls of oil off the ground. The equipment was power washed. It was estimated that a total of 5 bbls oil and 4 bbls of water saturated into the soil. The spill areas will be cleaned up in accordance to the NMOCD and BLM remediation guidelines.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Tony Savoie	Approved by Environmental Specialist: 	
Title: Waste Management and Remediation Specialist	Approval Date: 2/3/15	Expiration Date: N/A
E-mail Address: tasavoie@basspet.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 2/2/15	Remediation per O.C.D. Rules & Guidelines	
Phone: 432-556-8730	SUBMIT REMEDIATION PROPOSAL NO	

* Attach Additional Sheets If Necessary

LATER THAN: 3/3/15

2RP-2781

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 #017H; 2RP #2781	Facility Type: Exploration and Production	
Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-40447

LOCATION OF RELEASE

Unit Letter C	Section 7	Township 25S	Range 31E	Feet from the 150	North/South Line North	Feet from the 1980	East/West Line West	County Eddy
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Latitude: N 32.151692° Longitude: W 103.819416°

NATURE OF RELEASE

Type of Release: crude oil and produced water	Volume of Release: 320 bbls crude oil and 82 bbls PW	Volume Recovered: 315 bbls crude oil and 78 bbls PW
Source of Release: two phase separator	Date and Hour of Occurrence: 2/1/15 @ unknown	Date and Hour of Discovery: 2/1/15 @ approx. 9:00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? M. Bratcher, H. Patterson and Jim Amos BLM	
By Whom? Tony Savoie	Date and Hour: 2/2/15 @ 1:45 pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse: Not Applicable	
If a Watercourse was Impacted, Describe Fully.* Not Applicable		
Describe Cause of Problem and Remedial Action Taken.* A sight glass failed on the two phase separator, the sight glass was replaced.		
Describe Area Affected and Cleanup Action Taken.* The majority of the spill was contained in 0-Perm containment around the process equipment. Due to the pressure of the release approximately 7,225 sq. ft. of caliche pad area was impacted by the release. A vacuum truck recovered 312 bbls of oil and 78 bbls of water from the containment, and picked up 3 bbls of oil off the ground. The equipment was power washed. It was estimated that a total of 5 bbls oil and 4 bbls of water saturated into the soil. The release area was remediated in conjunction with two other releases; 2RP-2613 and 2RP-2630. A portion of contaminated soil was excavated and hauled to a state approved disposal facility with remaining contaminated soil remediated on site. Based on laboratory analytical data and NMOCD approval the excavation has been backfilled with remediated soil. The area has been remediated in accordance to the NMOCD and BLM guidelines for spill remediation.		
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>OIL CONSERVATION DIVISION</u>
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 <input type="checkbox"/>
Date: <u>4-22-15</u> Phone: 432-214-3704		

* 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 #017H; 2RP #2613	Facility Type: Exploration and Production	
Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-40447

LOCATION OF RELEASE

Unit Letter C	Section 7	Township 25S	Range 31E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
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Latitude: N 32.151692° Longitude: W 103.819416°

NATURE OF RELEASE

Type of Release: crude oil	Volume of Release: 26 bbls crude oil	Volume Recovered: 7 bbls
Source of Release: flare stack	Date and Hour of Occurrence: 11/16/14 @ unknown	Date and Hour of Discovery: 11/16/14 @ approx. 1:39 pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? M. Bratcher, H. Patterson and Jim Amos BLM via email	
By Whom? Tony Savoie	Date and Hour: 11/16/14 @ 4:12 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 flare stack motor valve and scrubber float valve failed to operate properly causing fluid to go out the flare stack. The system was repaired		
Describe Area Affected and Cleanup Action Taken.* The spill impacted approximately 2,550 sq. ft. of pasture land that had been recently disturbed during a pipeline construction job. The release also misted approximately 4,760 sq. ft. of pasture area. All of the free standing fluid was recovered; the stained area was left as is pending remediation. The release area was remediated in conjunction with two other releases; 2RP-2630 and 2RP-2781. A portion of contaminated soil was excavated and hauled to a state approved disposal facility with remaining contaminated soil remediated on site. Based on laboratory analytical data and NMOCD approval the excavation has been backfilled with remediated soil. The area has been remediated in accordance to the NMOCD and BLM guidelines for spill remediation.		
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: 	OIL CONSERVATION DIVISION	
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 <input type="checkbox"/>
Date: <u>4-22-15</u> Phone: 432-214-3704		

* 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 #017H; 2RP #2630	Facility Type: Exploration and Production	
Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-40447

LOCATION OF RELEASE

Unit Letter C	Section 7	Township 25S	Range 31E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
------------------	--------------	-----------------	--------------	---------------	------------------	---------------	----------------	----------------

Latitude: N 32.151692° Longitude: W 103.819416°

NATURE OF RELEASE

Type of Release: crude oil	Volume of Release: 105 bbls crude oil	Volume Recovered: 85 bbls
Source of Release: flare stack	Date and Hour of Occurrence: 11/18/14 @ unknown	Date and Hour of Discovery: 11/18/14 @ approx. 9:00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? M. Bratcher in person during meeting	
By Whom? Tony Savoie	Date and Hour: 11/18/14 @ 1:45 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 circulation piping was tied into this system causing the vessels to overpressure and release to the flare stack. The piping was changed to eliminate pressure relief to the flare stack.

Describe Area Affected and Cleanup Action Taken.* The spill impacted approximately 1,204 sq. ft. of bermed area around the flare stack, approximately 1,694 sq. ft. of well pad where the fluid had puddled up on and approximately 7,300 sq. ft. of pad-pasture area was misted. All of the free standing fluid was recovered; the stained area was left as is pending remediation. A portion of the spill area is on top of the spill on 11/16/14 reference 2RP-2613. The release area was remediated in conjunction with two other releases; 2RP-2613 and 2RP-2781. A portion of contaminated soil was excavated and hauled to a state approved disposal facility with remaining contaminated soil remediated on site. Based on laboratory analytical data and NMOCD approval the excavation has been backfilled with remediated soil. The area has been remediated in accordance to the NMOCD and BLM guidelines for spill remediation.

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			
Title: Assistant Remediation Foreman	Approval Date:	Expiration Date:	
E-mail Address: bblevins@basspet.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>4-22-15</u> Phone: 432-214-3704			

* Attach Additional Sheets If Necessary