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REMEDIATION SUMMARY AND RISKED-BASED SITE CLOSURE REQUEST

**BOPCO, L.P.
POKER LAKE UNIT #158
Eddy County, New Mexico
UNIT LTR "A" (NE ¼ NE ¼), Section 7, Township 24 South, Range 30 East
Latitude 32.237400° North, Longitude 103.914150° West
NMOCD Reference # 2RP-400**

Prepared For:

**BOPCO, L.P.
522 W. Mermod
Suite 704
Carlsbad, New Mexico 88220**

Prepared By:

**Basin Environmental Service Technologies, LLC
3100 Plains Highway
Lovington, New Mexico 88260**

January 2013

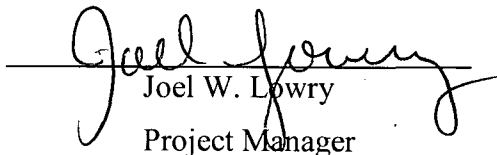

Joel W. Lowry
Project Manager

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INTRODUCTION AND BACKGROUND INFORMATION

Basin Environmental Consulting, LLC (Basin), on behalf of BOPCO, L.P. (BOPCO), has prepared this Remediation Summary and Risk-Based Closure Request for the release site known as Poker Lake Unit #158. The legal description of the release site is Unit Letter "A" (NE ¼ NE ¼), Section 7, Township 24 South, Range 30 East, in Eddy County, New Mexico. The release site latitude is 32.237400° North and the longitude is 103.914150° West. The property affected by the release is owned by The United States Department of the Interior Bureau of Land Management (BLM). Please reference Figure 1 for a Site Location Map and Figure 2 for a Site and Sample Location Map. General photographs are provided as Appendix C.

On March 8, 2010, BOPCO discovered a release had occurred at the Poker Lake Unit #158 site. A valve on the produced water tank was left open, resulting in a release of produced water and crude oil. The release was reported to the New Mexico Oil Conservation Division (NMOCD) Artesia District Office on March 9, 2010. The Release Notification and Corrective Action (Form C-141) indicated approximately five (5) barrels of produced water and approximately forty-five (45) barrels of crude oil was released and approximately forty (40) barrels of produced water and crude oil were recovered. The majority of the release was confined inside the containment area of the facility. A fine overspray impacted the area east of the facility. A Micro Blaze and nutrient enriched solution was applied to the overspray area. The Release Notification and Corrective Action (Form C-141) is provided as Appendix D.

NMOCD SITE CLASSIFICATION

A search of the New Mexico Office of the State Engineer (NMOSE) database did not identify the average depth to groundwater information for Section 7, Township 24 South, Range 30 East. A reference map utilized by the NMOCD indicated groundwater should be encountered at approximately 150 to 175 feet below ground surface (bgs) at the site. The depth to groundwater at the Poker Lake Unit #158 release site results in zero (0) points being assigned to the site based on the NMOCD depth to groundwater criteria.

The water well database, maintained by the NMOSE, indicated there are no water wells less than 1,000 feet from the release, resulting in zero (0) points being assigned to this site as a result of this criteria.

There are no surface water bodies located within 1,000 feet of the site. Based on the NMOCD ranking system zero (0) points will be assigned to the site as a result of the criteria.

The NMOCD guidelines indicate the Poker Lake Unit #158 release site has an initial ranking score of zero (0). Based on this score, the soil remediation levels for a site with a ranking score of zero (0) points are as follows:

- Benzene – 10 mg/Kg (ppm)
- BTEX – 50 mg/Kg (ppm)
- TPH – 5,000 mg/Kg (ppm)

The NMOCD chloride clean-up level concentrations are site specific and are set by the NMOCD.

SUMMARY OF SOIL REMEDIATION ACTIVITIES

On May 24, 2010, one (1) soil boring (SB-1) was advanced at the site to evaluate the vertical extent of soil impact. The soil boring log is provided as Appendix A. Soil samples were collected at five (5) foot drilling intervals and field screened using a Photo-Ionization Detector (PID) and a chloride field test kit. Selected soil samples were submitted to the laboratory for determination of concentrations of benzene, toluene, ethylbenzene and xylenes (BTEX), total petroleum hydrocarbons (TPH) and chlorides using EPA method 8021b, SW-846 8015M and 4500 Cl-B, respectively.

Soil boring SB-1 was located inside the containment area on the west side of the facility. The soil boring was advanced to a total depth of approximately seventy feet (70') bgs. During advancement of the soil boring, circulation was lost and the bore hole collapsed at approximately seventy feet (70') bgs. Several attempts were made to stabilize the boring without success. The NMOCD Artesia Office was notified of the incident. Soil samples collected at ten feet (10'), twenty-five feet (25'), sixty-five feet (65') and seventy feet (70') bgs were submitted to the laboratory for BTEX and TPH analysis. Soil samples collected at ten feet (10'), twenty feet (20') feet, twenty-five feet (25') feet, thirty feet (30') feet, forty feet (40') feet, fifty feet (50'), fifty-five feet (55'), sixty feet (60'), sixty-five feet (65') and seventy feet (70') bgs were submitted to the laboratory for chloride analysis. Laboratory analytical results indicated benzene and BTEX concentrations were less than the appropriate laboratory method detection limit (MDL) for all the submitted soil samples with the exception of soil sample SB-1 @ 10'; which exhibited a BTEX concentration of 54.61mg/Kg. TPH concentrations ranged from less than the appropriate laboratory MDL for soil sample SB-1 @ 65' to 4,995 mg/Kg for soil sample SB-1 @ 10'. Chloride concentrations ranged from 64 mg/Kg for soil sample SB-1 @ 55' to 3,920 mg/Kg for soil sample SB-1 @ 30'. A review of the analytical results indicated benzene, BTEX and TPH concentrations are less than the NMOCD regulatory standard. A summary of Concentrations of Benzene, BTEX, TPH and Chlorides in Soil is provided as Table 1. Laboratory analytical reports are provided as Appendix B.

A background soil sample (Background) was also collected and analyzed for chloride concentrations. Laboratory analytical results indicated the chloride concentration was less than the laboratory MDL for soil sample Background.

On July 15, 2010, ten (10) soil samples (West Side #1 @ 6", West Side #2 @ 6", West Side #2 @ 2', West Side #3 @ 6", Center @ 6", East Side #1 @ 6", East Side #2 @ 6", North RO #1 @ 6", South RO #1 @ 6" and South RO #2 @ 6") were collected from the overspray area and submitted to the laboratory for analysis. Laboratory analytical results indicated benzene concentrations were less than the appropriate laboratory MDL for each submitted soil sample. BTEX concentrations ranged from 3.519 mg/Kg for soil sample West Side #2 @ 2' to 23.3 mg/Kg for soil sample West Side #2 @ 6". TPH concentrations ranged from less than the appropriate laboratory MDL for soil samples Center @ 6", East Side #1 @ 6", East Side #2 @ 6", North RO #1 @ 6", South RO #1 @ 6" and South RO #2 @ 6" to 6,828 mg/Kg for soil sample West Side #2 @ 6". TPH concentrations were less than the appropriate laboratory MDL for each of the soil samples submitted with the exception of soil sample West Side #2 @ 6", which exhibited a concentration of 6,828 mg/Kg. Chloride concentrations were less than the

appropriate laboratory MDL for each of the submitted soil samples with the exception of soil sample West Side #2 @ 6"; which exhibited a concentration of 32 mg/Kg.

On March 7, 2011, Basin began remediation activities on the area east of the PLU #158 Battery. Straw hay was tilled into the underlying soil and the area was treated with water and nitrogen fertilizer in order to facilitate natural attenuation.

Between March 16 and March 28, 2011, the area within the earthen containment was hand-excavated to approximately two feet (2') bgs. Further excavation within the earthen containment was impracticable due to the presence and proximity of numerous active pipelines and/or storage tanks.

On April 20, 2011, a hand-auger was utilized to advance five (5) soil borings (SB-4-20-1, SB-4-20-2, SB-4-20-3, SB-4-20-4 and SB-4-20-5) to approximately four feet (4') bgs within the earthen containment. During the advancement of the soil borings, fifteen (15) soil samples (SB-4-20-1 Surface, SB-4-20-1 2' bgs, SB-4-20-1 4' bgs, SB-4-20-2 Surface, SB-4-20-2 2' bgs, SB-4-20-2 4' bgs, SB-4-20-3 Surface, SB-4-20-3 2' bgs, SB-4-20-3 4' bgs, SB-4-20-4 Surface, SB-4-20-4 2' bgs, SB-4-20-4 4' bgs, SB-4-20-5 Surface, SB-4-20-5 2' bgs and SB-4-20-5 4' bgs) were collected and submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results indicated TPH concentrations ranged from 484.4 mg/Kg for soil sample SB-4-20-4 2'bgs to 16,460 mg/Kg for soil sample SB-4-20-2 2' bgs. Analytical results indicated chloride concentrations ranged from 224 mg/Kg for soil sample SB-4-20-2 4' bgs to 30,800 mg/Kg for soil sample SB-4-20-4 Surface. Soil samples SB-4-20-2 4'bgs and SB-4-20-5 4' bgs were also analyzed for BTEX concentrations, which were determined to be 74.87 and 104.45, respectively.

Beginning April 20, 2011, the excavated area within the earthen containment was backfilled with non-impacted material to approximately eighteen inches (18") bgs. A Falcon containment area was constructed around the PLU #158 Battery, which includes steel perimeter walls extending approximately two feet (2') above ground surface. A felt liner was installed in the floor of the new containment area, and the floor and perimeter walls of the containment area were coated with an impermeable, spray-on polyurethane liner. This engineering control will help mitigate any future releases and inhibit the vertical migration of contaminants in impacted soil remaining in-situ beneath the PLU # 158 Tank Battery.

4.0 QA/QC PROCEDURES

4.1 Soil Sampling

Soil samples were delivered to Cardinal Laboratories, Inc., in Hobbs, New Mexico, for BTEX, TPH and/or chloride analyses using the methods described below:

- BTEX concentrations in accordance with EPA Method SW-846 8021b
- TPH concentrations in accordance with EPA Method SW-846 8015M
- Chloride concentrations in accordance with EPA Method 4500 Cl-B

4.2 Decontamination of Equipment

Cleaning of the sampling equipment was the responsibility of the environmental technician. Prior to use, and between each sample, the sampling equipment was cleaned with Liqui-Nox® detergent and rinsed with distilled water.

4.3 Laboratory Protocol

The laboratory was responsible for proper QA/QC procedures after signing the chain-of-custody form(s). These procedures were either transmitted with the laboratory reports or are on file at the laboratory.

5.0 SITE CLOSURE REQUEST

Remediation activities conducted at the Poker Lake Unit #158 Battery release site met the objectives set forth in the *Remediation Summary & Risk-Based Site Closure Strategy* dated August 2010. Soil samples collected from impacted area east of the PLU # 158 Battery were analyzed by an NMOCD-approved laboratory, and concentrations of benzene, BTEX, and TPH were below the regulatory remediation action levels established for the site, with the exception of soil sample West Side #2, which exhibited a TPH concentration of 6,828 mg/Kg.

An impermeable, spray-on polyurethane liner was installed on the floor and perimeter walls of the new steel containment area constructed around the PLU #158 Battery. This engineered control will help mitigate future releases and inhibit vertical migration of contaminants in impacted soil remaining in-situ beneath the footprint of the tank battery and containment area. Soil exhibiting concentrations of contaminants in excess of NMOCD regulatory standards will be further investigated following decommission and/or abandonment of the currently active tank battery.

Basin Environmental recommends BOPCO provide the NMOCD Hobbs District Office a copy of this *Remediation Summary & Risk-Based Site Closure Request* and request the NMOCD grant site closure to the Poker Lake Unit #158 Battery release site.

LIMITATIONS

Basin Environmental Consulting, LLC has prepared this Remediation Summary and Risk-Based Closure Strategy to the best of its ability. No other warranty, expressed or implied, is made or intended.

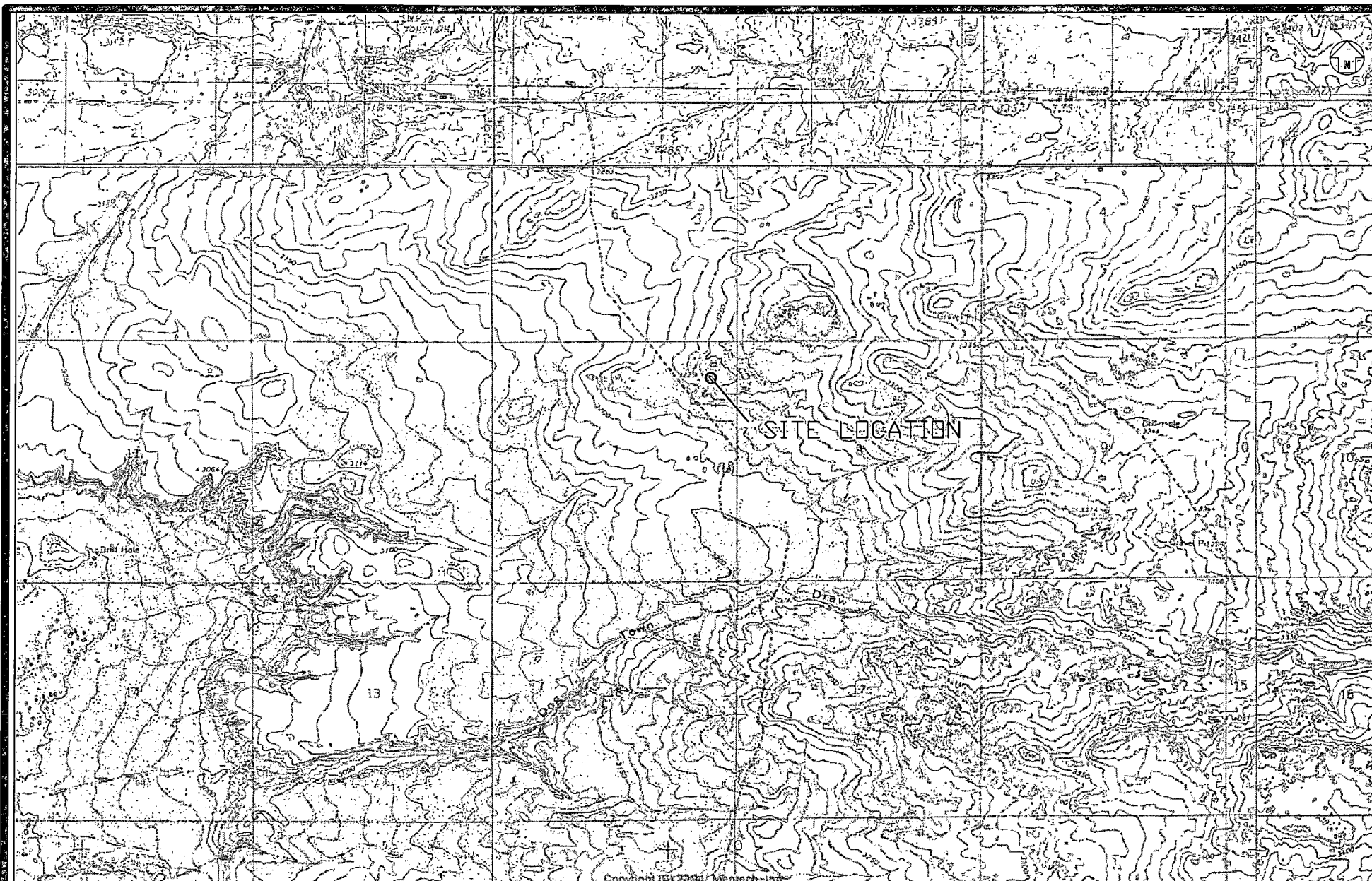
Basin Environmental Consulting, LLC has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. Basin Environmental Consulting, LLC has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. Basin Environmental Consulting, LLC has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Basin Environmental Consulting, LLC also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of BOPCO, L.P. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Basin Environmental Consulting, LLC and/or BOPCO, L.P.

DISTRIBUTION:

- Copy 1: Mike Bratcher
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division (District 2)
1301 E. Grand Avenue
Artesia, New Mexico 88210
- Copy 2: James Amos
Bureau of Land Management
602 E. Greene Street
Carlsbad, New Mexico 88220
- Copy 3: Tony Savoie
BOPCO, L.P.
522 W. Mermod, Suite 704
Carlsbad, New Mexico 88220
- Copy 4: Basin Environmental Service Technologies, LLC
P.O. Box 381
Lovington, New Mexico 88260

FIGURES



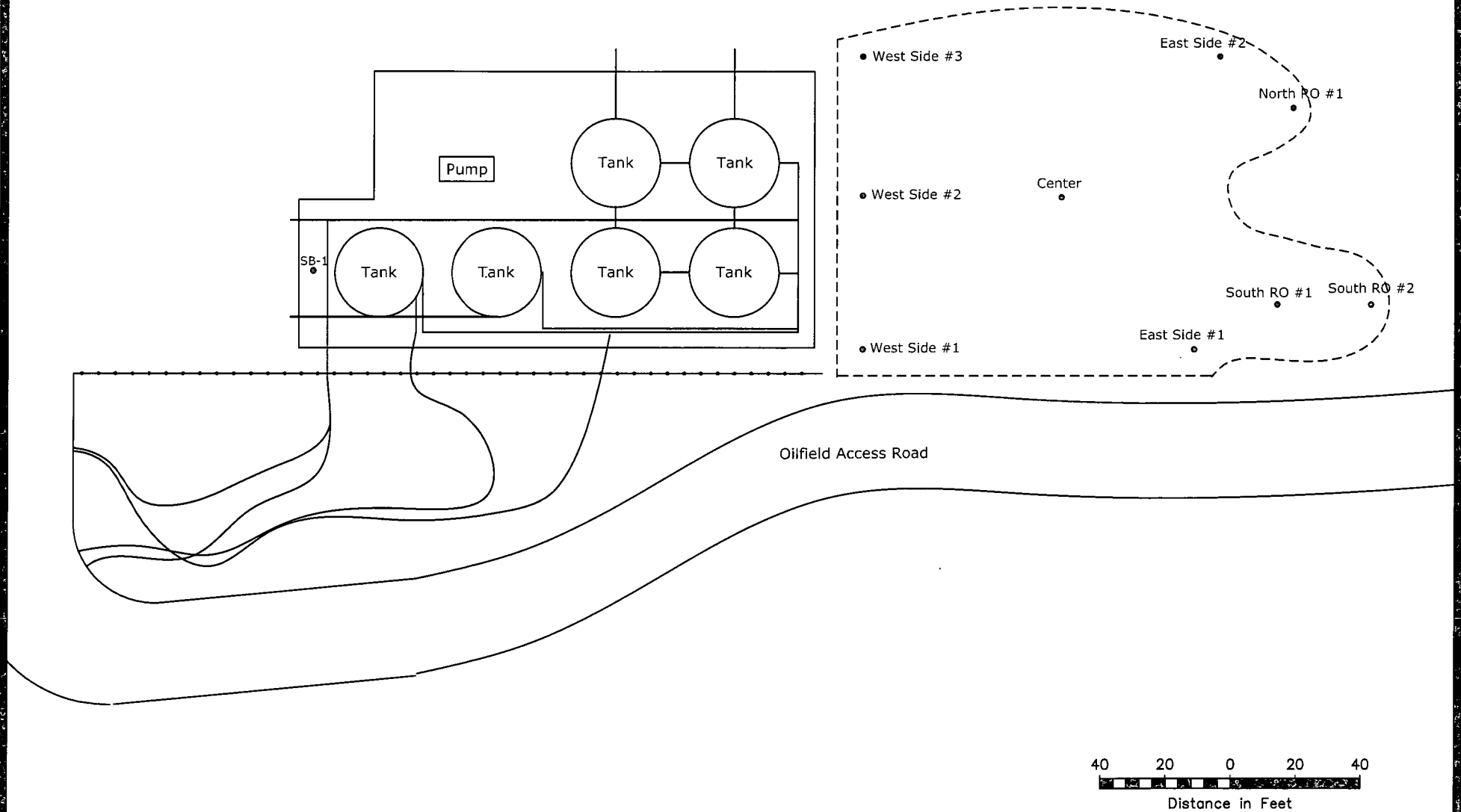
Copyright 1994, Maptech, Inc.

3000 1500 0 1500 3000
 Distance in Feet

Figure 1
 Site Location Map
 BOPCO, LP
 Poker Lake Unit #158
 Eddy County, New Mexico

Basin Environmental Service Technologies

Prep By: JWL	Checked By: BJA
August 23, 2012	Scale 1"=3000'



Legend:

- Overspray Area
- Flowline
- Sample Point
- Well Pad
- Soil Boring 5/24/10

Figure 2
Site & Sample Location Map
BOPCO, L.P.
Poker Lake Unit # 158 Battery
Eddy County, New Mexico
NMOCD Ref # 2RP-400

Basin Environmental Services

Prep By: JWL

Checked By: BJA

May 29, 2012

Scale 1"=30'

TABLES

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDES IN SOIL

BOPCO, LP
POKER LAKE UNIT 158 BATTERY
EDDY COUNTY, NEW MEXICO
NMOC D REFERENCE NO: 2RP-400

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M			TOTAL TPH C ₆ -C ₃₅ (mg/Kg)	E 300 CHLORIDE (mg/Kg)
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	ORO C ₂₈ -C ₃₅ (mg/Kg)		
Background	Surface	05/24/10	In-Situ	-	-	-	-	-	-	-	-	-	<16
SB-1 @ 10'	10 Feet	05/24/10	In-Situ	<0.050	10.4	8.11	46.5	54.61	1480	3500	15.4	4,995	448
SB-1 @ 20'	20 Feet	05/24/10	In-Situ	-	-	-	-	-	-	-	-	-	2,960
SB-1 @ 25'	25 Feet	05/24/10	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	21.6	<10.0	21.6	-
SB-1 @ 30'	30 Feet	05/24/10	In-Situ	-	-	-	-	-	-	-	-	-	3,920
SB-1 @ 40'	40 Feet	05/24/10	In-Situ	-	-	-	-	-	-	-	-	-	240
SB-1 @ 50'	50 Feet	05/24/10	In-Situ	-	-	-	-	-	-	-	-	-	320
SB-1 @ 55'	55 Feet	05/24/10	In-Situ	-	-	-	-	-	-	-	-	-	64
SB-1 @ 60'	60 Feet	05/24/10	In-Situ	-	-	-	-	-	-	-	-	-	480
SB-1 @ 65'	65 Feet	05/24/10	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	512
SB-1 @ 70'	70 Feet	05/24/10	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.050	<10.0	25.1	<10.0	25.1	304
West Side #1 @ 6"	6 Inches	07/15/10	In-Situ	-	-	-	-	-	<10.0	11.9	<10.0	11.9	<16
West Side #2 @ 6"	6 Inches	07/15/10	In-Situ	<0.050	2.39	2.71	18.2	23.3	1,270	5,540	17.7	6,827.7	32
West Side #2 @ 2'	2 Feet	07/15/10	In-Situ	<0.050	0.303	0.336	2.88	3.519	111	1070	18.9	1,199.9	<16
West Side #3 @ 6"	6 Inches	07/15/10	In-Situ	-	-	-	-	-	<10.0	20.2	<10.0	20.2	<16
Center @ 6"	6 Inches	07/15/10	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16
East Side #1 @ 6"	6 Inches	07/15/10	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16
East Side #2 @ 6"	6 Inches	07/15/10	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16
North RO #1 @ 6"	6 Inches	07/15/10	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16
South RO #1 @ 6"	6 Inches	07/15/10	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16
South RO #2 @ 6"	6 Inches	07/15/10	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16
SB - 4 - 20 - 1 Surface	Surface	4/20/2011	In-situ	-	-	-	-	-	1,290	6,200	535	8,025	17,200
SB - 4 - 20 - 1 2' bgs	2'	4/20/2011	In-situ	-	-	-	-	-	1,140	3,470	267	4,877	16,000
SB - 4 - 20 - 1 4' bgs	4'	4/20/2011	In-situ	-	-	-	-	-	2,640	6,170	402	9,212	6,560
SB - 4 - 20 - 2 Surface	Surface	4/20/2011	In-situ	-	-	-	-	-	2,320	8,990	676	11,986	8,400
SB - 4 - 20 - 2 2' bgs	2'	4/20/2011	In-situ	-	-	-	-	-	1,950	13,500	1,010	16,460	272
SB - 4 - 20 - 2 4' bgs	4'	4/20/2011	In-situ	6.37	11.6	10.7	46.2	74.87	1,450	12,100	1,030	14,580	224
SB - 4 - 20 - 3 Surface	Surface	4/20/2011	In-situ	-	-	-	-	-	553	2,990	262	3,805	7,800
SB - 4 - 20 - 3 2' bgs	2'	4/20/2011	In-situ	-	-	-	-	-	1,600	4,980	363	6,943	5,440
SB - 4 - 20 - 3 4' bgs	4'	4/20/2011	In-situ	-	-	-	-	-	2,100	6,030	429	8,559	5,440
SB - 4 - 20 - 4 Surface	Surface	4/20/2011	In-situ	-	-	-	-	-	2,570	12,700	934	16,204	30,800
SB - 4 - 20 - 4 2' bgs	2'	4/20/2011	In-situ	-	-	-	-	-	34.9	412	37.5	484.4	6,480
SB - 4 - 20 - 4 4' bgs	4'	4/20/2011	In-situ	-	-	-	-	-	54.6	642	52.7	749.3	6,080
SB - 4 - 20 - 5 Surface	Surface	4/20/2011	In-situ	-	-	-	-	-	1,320	6,710	542	8,572	8,320
SB - 4 - 20 - 5 2' bgs	2'	4/20/2011	In-situ	-	-	-	-	-	3,020	9,070	657	12,747	1,960
SB - 4 - 20 - 5 4' bgs	4'	4/20/2011	In-situ	2.25	22.7	13.1	66.4	104.45	2,980	11,900	939	15,819	1,360

APPENDICES

Appendix A

Soil Boring Logs

Soil Boring SB-1

Boring SB-1

Depth
below
ground
surface

Soil
Columns

Chloride
Field Test

PID
Reading

Petroleum
Odor

Petroleum
Stain

Soil Description

Date Drilled May 24, 2010

Thickness of Bentonite Seal 70 Ft

Depth of Exploratory Boring 70 Ft bgs

Depth to Groundwater

Ground Water Elevation

▼ Indicates the PSH level measured on

▼ Indicates the groundwater level measured on

○ Indicates samples selected for Laboratory Analysis.

PID Head-space reading in ppm obtained with a photo-ionization detector.

0
5
10
15
20
25
30
35
40
45
50
55
60
65
70



>2500

408

Moderate

Heavy

Surface- Caliche, yellowish

128

1280

Heavy

Heavy

0-10' - Sand, brown, fine grained, damp

448

1296

None

Moderate

10-15' - Sand with caliche nodules, tan, dry

1764

1038

None

Moderate

15-20' - Sand with caliche nodules, brown, damp

>2,500

321

None

Moderate

>2,500

52.8

None

Slight

>2,500

52.0

None

None

>2,500

48.8

None

None

244

44.7

None

None

358

56.1

None

None

20-70' - Sand, brown, fine grained, damp

664

43.6

None

None

<128

36.8

None

None

436

29.8

None

None

416

31.2

None

None

280

28.8

None

None

Completion Notes

- 1.) The monitor well was advanced on date using air rotary drilling techniques.
- 2.) The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.

Soil Boring SB-1

BOPCO
Poker Lake Unit #158
Eddy County, New Mexico

Basin Environmental Consulting

Prep By: JWL

Checked By: CJB

June 24, 2010

Appendix B
Analytical Reports



ARDINAL LABORATORIES

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

June 3, 2010

Camille Bryant
Basin Environmental Consulting, LLC.
P.O. Box 381
Lovington, NM 88260

Re: PLU 158 (BOPCO)

Enclosed are the results of analyses for sample number H19994, received by the laboratory on 05/28/10 at 8:20 am.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 5 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director

This report conforms with NELAP requirements.



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

ANALYTICAL RESULTS FOR
BASIN ENVIRONMENTAL CONSULTING, LLC
ATTN: CAMILLE BRYANT
P.O. BOX 381
LOVINGTON, NM 88260
FAX TO: (575) 396-1429

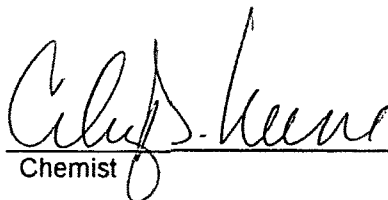
Receiving Date: 05/28/10
Reporting Date: 06/02/10
Project Owner: BOPCO
Project Name: PLU 158
Project Location: EDDY CO., NM

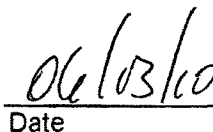
Analysis Date: 06/01/10
Sampling Date: 05/24/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ -4°C
Sample Received By: JH
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H19994-1	BACKGROUND	< 16
H19994-2	SB-1 @ 10'	448
H19994-3	SB-1 @ 20'	2,960
H19994-5	SB-1 @ 30'	3,920
H19994-6	SB-1 @ 40'	240
H19994-7	SB-1 @ 50'	320
H19994-8	SB-1 @ 55'	64
H19994-9	SB-1 @ 60'	480
H19994-10	SB-1 @ 65'	512
H19994-11	SB-1 @ 70'	304
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-Cl ⁻ B
--------------------------	------------------------

Note: Analyses performed on 1:4 w:v aqueous extracts.
Not accredited for Chloride.


Chemist


Date

H19994 Basin Environmental

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

ANALYTICAL RESULTS FOR
BASIN ENVIRONMENTAL CONSULTING, LLC
ATTN: CAMILLE BRYANT
P.O. BOX 381
LOVINGTON, NM 88260
FAX TO: (575) 396-1429

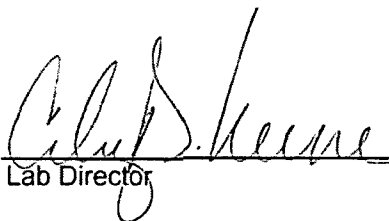
Receiving Date: 05/28/10
Reporting Date: 06/02/10
Project Owner: BOPCO
Project Name: PLU 158
Project Location: EDDY CO., NM

Sampling Date: 05/24/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ -4 °C
Sample Received By: JH
Analyzed By: AB/ZL

LAB NO.	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	DRO ext. (>C ₂₈ -C ₃₅) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE:		05/28/10	05/28/10	05/28/10	06/01/10	06/01/10	06/01/10	06/01/10
H19994-2	SB-1 @ 10'	1480	3,500	15.4	<0.050	10.4	8.11	46.5
H19994-4	SB-1 @ 25'	<10.0	21.6	<10.0	<0.050	<0.050	<0.050	<0.300
H19994-10	SB-1 @ 65'	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H19994-11	SB-1 @ 70'	<10.0	25.1	<10.0	<0.050	<0.050	<0.050	<0.300
Quality Control		469	435	-	0.019	0.020	0.019	0.060
True Value QC		500	500	-	0.020	0.020	0.020	0.060
% Recovery		93.8	87.0	-	95.0	100	95.0	100
Relative Percent Difference		0.5	7.2	-	<1.0	<1.0	<1.0	<1.0

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B.

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES. Reported on wet weight. Not accredited for GRO/DRO/DRO ext.


Lab Director


Date

H19994 TPHextBTEX BASIN

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 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.



#26

**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Basin Consulting</u>				BILL TO				ANALYSIS REQUEST																			
Project Manager: <u>Carmine Bryant</u>				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH 8015 M 9kt</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX 8021 B</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride 4500</div> </div>																			
Address: P.O. <u>Box 381</u>				Company: <u>BOPCO</u>																							
City: <u>Livingston</u> State: <u>NM</u> Zip: <u>88240</u>				Attn: <u>Tony Soucie</u>																							
Phone #: <u>575-605-7210</u> Fax #:				Address:																							
Project #: Project Owner: <u>BOPCO</u>				City:																							
Project Name: <u>PLU 158</u>				State: Zip:																							
Project Location: <u>Eddy Co / NM</u>				Phone #:																							
Sampler Name: <u>Carmine Bryant</u>				Fax #:																							
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(GIRAB OR (C)OMP. # CONTAINERS)		MATRIX				PRESERV		SAMPLING													
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE / COOL OTHER:		DATE TIME													
		H9994-11		SB-1 @ 70'		6 1						A		5/24 245		X X X											

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 the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>Eddy County</u>		Date: <u>5/28/10</u>		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
		Time: <u>8:20</u>				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:	
Relinquished By:		Date: <u>5/28/10</u>		Received By: <u>Gadi Benson</u>		REMARKS:	
		Time: <u>8:20</u>					
Delivered By: (Circle One)							
Sampler - UPS - Bus - Other: <u>(C)</u>		-4°C		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: <u>(Initials)</u>	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#26



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

July 27, 2010

Camille Bryant
Basin Environmental Consulting, LLC.
P.O. Box 381
Lovington, NM 88260

Re: PLU 158 Battery (BOPCO)

Enclosed are the results of analyses for sample number H20381, received by the laboratory on 07/20/10 at 3:50 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 5 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director



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ANALYTICAL RESULTS FOR
BASIN ENVIRONMENTAL CONSULTING, LLC
ATTN: CAMILLE BRYANT
P.O. BOX 381
LOVINGTON, NM 88260
FAX TO: (575) 396-1429

Receiving Date: 07/20/10
Reporting Date: 07/26/10
Project Owner: BOPCO
Project Name: PLU 158 BATTERY
Project Location: EDDY CO., NM

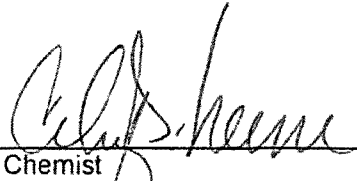
Analysis Date: 07/22/10
Sampling Date: 07/15/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 2.5°C
Sample Received By: JH
Analyzed By: HM

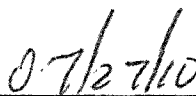
LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H20381-1	WEST SIDE #1 @ 6"	< 16
H20381-2	WEST SIDE #2 @ 6"	32
H20381-3	WEST SIDE #2 @ 2'	< 16
H20381-4	WEST SIDE #3 @ 6"	< 16
H20381-5	CENTER @ 6"	< 16
H20381-6	EAST SIDE #1 @ 6"	< 16
H20381-7	EAST SIDE #2 @ 6"	< 16
H20381-8	NORTH RO #1 @ 6"	< 16
H20381-9	SOUTH RO #1 @ 6"	< 16
H20381-10	SOUTH RO #2 @ 6"	< 16
Quality Control		510
True Value QC		500
% Recovery		102
Relative Percent Difference		< 0.1

METHOD: Standard Methods

4500-Cl⁻B

Note: Analyses performed on 1:4 w:v aqueous extracts.
Not accredited for Chloride.


Chemist


Date

H20381 Basin Environmental

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ANALYTICAL RESULTS FOR
BASIN ENVIRONMENTAL CONSULTING
ATTN: CAMILLE BRYANT
P.O. BOX 381
LOVINGTON, NM 88260
FAX TO: (575) 396-1429


Receiving Date: 07/20/10
Reporting Date: 07/26/10
Project Owner: BOPCO
Project Name: PLU 158 BATTERY
Project Location: EDDY COUNTY, NM

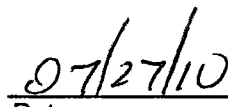
Sampling Date: 07/15/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 2.5°C
Sample Received By: JH
Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	DRO ext. (>C ₂₈ -C ₃₅) (mg/kg)
		07/23/10	07/23/10	07/23/10
H20381-1	WEST SIDE #1 @ 6"	<10.0	11.9	<10.0
H20381-2*	WEST SIDE #2 @ 6"	1,270	5,540	17.7
H20381-3	WEST SIDE #2 @ 2'	111	1,070	18.9
H20381-4	WEST SIDE #3 @ 6"	<10.0	20.2	<10.0
H20381-5	CENTER @ 6"	<10.0	<10.0	<10.0
H20381-6	EAST SIDE #1 @ 6"	<10.0	<10.0	<10.0
H20381-7	EAST SIDE #2 @ 6"	<10.0	<10.0	<10.0
H20381-8	NORTH RO #1 @ 6"	<10.0	<10.0	<10.0
H20381-9	SOUTH RO #1 @ 6"	<10.0	<10.0	<10.0
H20381-10	SOUTH RO #2 @ 6"	<10.0	<10.0	<10.0
Quality Control		453	443	-
True Value QC		500	500	-
% Recovery		90.6	88.6	-
Relative Percent Difference		0.2	1.1	-

METHODS: TPH GRO & DRO: EPA SW-846 8015 M extended
Reported on wet weight. Not accredited for GRO/DRO/DRO Ext.

*One or more TPH surrogates outside historical limits due to matrix interference.


Lab Director


Date

H20381 TPHEXT BASIN

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BASIN ENVIRONMENTAL CONSULTING
ATTN: CAMILLE BRYANT
P.O. BOX 381
LOVINGTON, NM 88260
FAX TO: (575) 396-1429

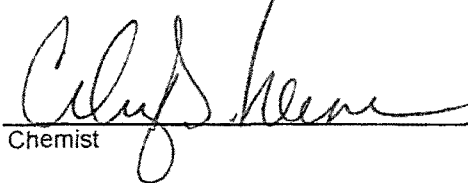
Receiving Date: 07/20/10
Reporting Date: 07/22/10
Project Number: BOPCO
Project Name: PLU 158 BATTERY
Project Location: EDDY CO., NM

Sampling Date: 07/15/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 2.5 °C
Sample Received By: JH
Analyzed By: ZL

LAB NUMBE SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE	07/21/10	07/21/10	07/21/10	07/21/10
H20381-2 WEST SIDE #2 @ 6"	<0.050	2.39	2.71	18.2
H20381-3 WEST SIDE #2 @ 2'	<0.050	0.303	0.336	2.88
Quality Control	0.009	0.009	0.009	0.026
True Value QC	0.010	0.010	0.010	0.030
% Recovery	90.0	90.0	90.0	86.7
Relative Percent Difference	<1.0	<1.0	<1.0	1.0

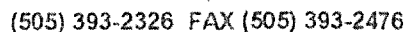
METHOD: EPA SW-846 8021B

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES / Reported on wet weight.


Chemist

07/27/10
Date

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

July 27, 2010

Camille Bryant
Basin Environmental Consulting, LLC.
P.O. Box 381
Lovington, NM 88260

Re: PLU 158 Battery (BOPCO)

Enclosed are the results of analyses for sample number H20381, received by the laboratory on 07/20/10 at 3:50 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 5 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director



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

ANALYTICAL RESULTS FOR
BASIN ENVIRONMENTAL CONSULTING, LLC
ATTN: CAMILLE BRYANT
P.O. BOX 381
LOVINGTON, NM 88260
FAX TO: (575) 396-1429

Receiving Date: 07/20/10
Reporting Date: 07/26/10
Project Owner: BOPCO
Project Name: PLU 158 BATTERY
Project Location: EDDY CO., NM

Analysis Date: 07/22/10
Sampling Date: 07/15/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 2.5°C
Sample Received By: JH
Analyzed By: HM

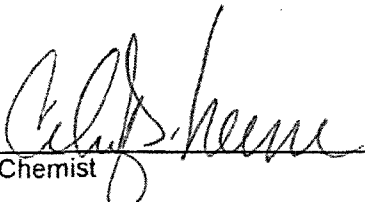
LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H20381-1	WEST SIDE #1 @ 6"	< 16
H20381-2	WEST SIDE #2 @ 6"	32
H20381-3	WEST SIDE #2 @ 2'	< 16
H20381-4	WEST SIDE #3 @ 6"	< 16
H20381-5	CENTER @ 6"	< 16
H20381-6	EAST SIDE #1 @ 6"	< 16
H20381-7	EAST SIDE #2 @ 6"	< 16
H20381-8	NORTH RO #1 @ 6"	< 16
H20381-9	SOUTH RO #1 @ 6"	< 16
H20381-10	SOUTH RO #2 @ 6"	< 16
Quality Control		510
True Value QC		500
% Recovery		102
Relative Percent Difference		< 0.1

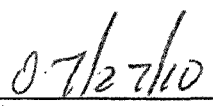
METHOD: Standard Methods

4500-Cl/B

Note: Analyses performed on 1:4 w:v aqueous extracts.

Not accredited for Chloride.


Chemist


Date

H20381 Basin Environmental

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ATTN: CAMILLE BRYANT
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FAX TO: (575) 396-1429

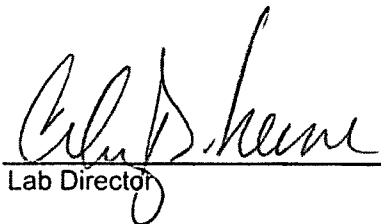
Receiving Date: 07/20/10
Reporting Date: 07/26/10
Project Owner: BOPCO
Project Name: PLU 158 BATTERY
Project Location: EDDY COUNTY, NM

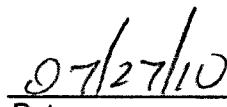
Sampling Date: 07/15/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 2.5°C
Sample Received By: JH
Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	DRO ext. (>C ₂₈ -C ₃₅) (mg/kg)
		07/23/10	07/23/10	07/23/10
ANALYSIS DATE		07/23/10	07/23/10	07/23/10
H20381-1	WEST SIDE #1 @ 6"	<10.0	11.9	<10.0
H20381-2*	WEST SIDE #2 @ 6"	1,270	5,540	17.7
H20381-3	WEST SIDE #2 @ 2'	111	1,070	18.9
H20381-4	WEST SIDE #3 @ 6"	<10.0	20.2	<10.0
H20381-5	CENTER @ 6"	<10.0	<10.0	<10.0
H20381-6	EAST SIDE #1 @ 6"	<10.0	<10.0	<10.0
H20381-7	EAST SIDE #2 @ 6"	<10.0	<10.0	<10.0
H20381-8	NORTH RO #1 @ 6"	<10.0	<10.0	<10.0
H20381-9	SOUTH RO #1 @ 6"	<10.0	<10.0	<10.0
H20381-10	SOUTH RO #2 @ 6"	<10.0	<10.0	<10.0
Quality Control		453	443	-
True Value QC		500	500	-
% Recovery		90.6	88.6	-
Relative Percent Difference		0.2	1.1	-

METHODS: TPH GRO & DRO: EPA SW-846 8015 M extended
Reported on wet weight. Not accredited for GRO/DRO/DRO Ext.

*One or more TPH surrogates outside historical limits due to matrix interference.


Lab Director


Date

H20381 TPHEXT BASIN

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ATTN: CAMILLE BRYANT
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LOVINGTON, NM 88260
FAX TO: (575) 396-1429

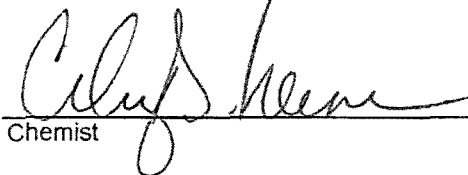
Receiving Date: 07/20/10
Reporting Date: 07/22/10
Project Number: BOPCO
Project Name: PLU 158 BATTERY
Project Location: EDDY CO., NM

Sampling Date: 07/15/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 2.5 °C
Sample Received By: JH
Analyzed By: ZL

LAB NUMBE SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE	07/21/10	07/21/10	07/21/10	07/21/10
H20381-2 WEST SIDE #2 @ 6"	<0.050	2.39	2.71	18.2
H20381-3 WEST SIDE #2 @ 2'	<0.050	0.303	0.336	2.88
Quality Control	0.009	0.009	0.009	0.026
True Value QC	0.010	0.010	0.010	0.030
% Recovery	90.0	90.0	90.0	86.7
Relative Percent Difference	<1.0	<1.0	<1.0	1.0

METHOD: EPA SW-846 8021B

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES. Reported on wet weight.


Chemist

07/27/10
Date



101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Basin Environmental Consulting</u>				BILL TO				ANALYSIS REQUEST																																			
Project Manager: <u>Cassile Bryant</u>				P.O. #:				<div>Culveride 41500</div> <div>TPH 8015 M Ext.</div> <div>BTEX 8021 B</div>																																			
Address: <u>P.O. Box 381</u>				Company: <u>BDPCO LP</u>																																							
City: <u>Livingston</u> State: <u>NM</u> Zip: <u>88260</u>				Attn: <u>Tony Savie</u>																																							
Phone #: <u>575-605-7210</u> Fax #:				Address:																																							
Project #: Project Owner: <u>BDPCO</u>				City:																																							
Project Name: <u>PLU 158 Battery</u>				State: Zip:																																							
Project Location: <u>Eddy Co/NM</u>				Phone #:																																							
Sampler Name: <u>Ted Lowry</u>				Fax #:																																							
FOR LAB USE ONLY																																											
Lab I.D.		Sample I.D.		G/RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV		SAMPLING																															
				GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME																			
<u>H20381-1</u>		<u>West side #1 @ 6"</u>		<u>6</u>		<u>1</u>		<u>X</u>								<u>X</u>						<u>7/15/10</u>		<u>3:30</u>		<u>X</u>		<u>X</u>															
<u>2</u>		<u>West side #2 @ 6"</u>																						<u>3:40</u>		<u>X</u>		<u>X</u>		<u>X</u>													
<u>3</u>		<u>West side #2 @ 2'</u>																						<u>3:50</u>		<u>X</u>		<u>X</u>		<u>X</u>													
<u>4</u>		<u>West side #3 @ 6"</u>																						<u>4:00</u>		<u>X</u>		<u>X</u>															
<u>5</u>		<u>Center @ 6"</u>																						<u>4:05</u>		<u>X</u>		<u>X</u>															
<u>6</u>		<u>East side #1 @ 6"</u>																						<u>4:10</u>		<u>X</u>		<u>X</u>															
<u>7</u>		<u>East side #2 @ 6"</u>																						<u>4:15</u>		<u>X</u>		<u>X</u>															
<u>8</u>		<u>North RO #1 @ 6"</u>																						<u>4:20</u>		<u>X</u>		<u>X</u>															
<u>9</u>		<u>South RO #1 @ 6"</u>																						<u>4:30</u>		<u>X</u>		<u>X</u>															
<u>10</u>		<u>South RO #2 @ 6"</u>																						<u>4:35</u>		<u>X</u>		<u>X</u>															
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Relinquished By: <u>Scott Lowry</u>				Date: <u>7/20</u>		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:																															
				Time: <u>4:45 PM</u>				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:																															
Relinquished By:				Date: <u>7/20/10</u>		Received By:		<div>REMARKS:</div>																																			
				Time: <u>3:50</u>		<u>Jodi Henson</u>																																					
Delivered By: (Circle One)				Sample Condition		CHECKED BY:																																					
Sampler - UPS - Bus - Other:				<u>2.50</u>		<u>Yes</u>																																					

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#26

1-

May 05, 2011

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: POKER LAKE UNIT 158 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/21/11 8:04.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

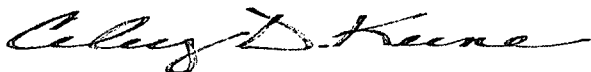
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (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:

Basin Environmental Service
BEN J. ARGUIJO
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 04/21/2011
Reported: 05/05/2011
Project Name: POKER LAKE UNIT 158 BATTERY
Project Number: AFB 24735
Project Location: EDDY CO, NEW MEXICO

Sampling Date: 04/20/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: SB - 4 - 20 - 1 SURFACE (H100814-01)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	17200	16.0	04/25/2011	ND	432	108	400	0.00		
TPH 8015M		mg/kg	Analyzed By: AB							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1290	50.0	04/23/2011	ND	230	115	200	0.179		
DRO >C10-C28	6200	50.0	04/23/2011	ND	230	115	200	0.717		
EXT DRO >C28-C35	535	50.0	04/23/2011	ND						
Surrogate: 1-Chlorooctane	167 %	70-130								
Surrogate: 1-Chlorooctadecane	107 %	70-130								


Sample ID: SB - 4 - 20 - 1 2' BGS (H100814-02)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16000	16.0	04/25/2011	ND	432	108	400	0.00	
TPH 8015M		mg/kg	Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1140	50.0	04/23/2011	ND	230	115	200	0.179	
DRO >C10-C28	3470	50.0	04/23/2011	ND	230	115	200	0.717	
EXT DRO >C28-C35	267	50.0	04/23/2011	ND					
Surrogate: 1-Chlorooctane	111 %	70-130							
Surrogate: 1-Chlorooctadecane	113 %	70-130							

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Basin Environmental Service
BEN J. ARGUIJO
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 04/21/2011
Reported: 05/05/2011
Project Name: POKER LAKE UNIT 158 BATTERY
Project Number: AFB 24735
Project Location: EDDY CO, NEW MEXICO

Sampling Date: 04/20/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: SB - 4 - 20 - 1 4' BGS (H100814-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6560	16.0	04/25/2011	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: AB						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	2640	50.0	04/23/2011	ND	207	104	200	6.50		
DRO >C10-C28	6170	50.0	04/23/2011	ND	200	99.8	200	1.84		
EXT DRO >C28-C35	402	50.0	04/23/2011	ND						
Surrogate: 1-Chlorooctane		192 %	70-130							
Surrogate: 1-Chlorooctadecane		129 %	70-130							

Sample ID: SB - 4 - 20 - 2 SURFACE (H100814-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8400	16.0	04/25/2011	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: AB						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	2320	50.0	04/23/2011	ND	207	104	200	6.50		
DRO >C10-C28	8990	50.0	04/23/2011	ND	200	99.8	200	1.84		
EXT DRO >C28-C35	676	50.0	04/23/2011	ND						
Surrogate: 1-Chlorooctane	177 %	70-130								
Surrogate: 1-Chlorooctadecane	107 %	70-130								

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 BEN J. ARGUIJO
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

 Received: 04/21/2011
 Reported: 05/05/2011
 Project Name: POKER LAKE UNIT 158 BATTERY
 Project Number: AFB 24735
 Project Location: EDDY CO, NEW MEXICO

 Sampling Date: 04/20/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SB - 4 - 20 - 2 2' BGS (H100814-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	04/25/2011	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: AB						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1950	50.0	04/23/2011	ND	207	104	200	6.50		
DRO >C10-C28	13500	50.0	04/23/2011	ND	200	99.8	200	1.84		
EXT DRO >C28-C35	1010	50.0	04/23/2011	ND						

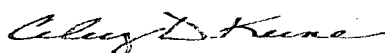
Surrogate: 1-Chlorooctane 212 % 70-130

Surrogate: 1-Chlorooctadecane 128 % 70-130

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Basin Environmental Service
BEN J. ARGUIJO
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 04/21/2011
Reported: 05/05/2011
Project Name: POKER LAKE UNIT 158 BATTERY
Project Number: AFB 24735
Project Location: EDDY CO, NEW MEXICO

Sampling Date: 04/20/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: SB - 4 - 20 - 2 4' BGS (H100814-06)

BTEX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	6.37	2.50	05/03/2011	ND	2.04	102	2.00	2.03	
Toluene*	11.6	2.50	05/03/2011	ND	1.99	99.4	2.00	0.937	
Ethylbenzene*	10.7	2.50	05/03/2011	ND	2.02	101	2.00	0.321	
Total Xylenes*	46.2	7.50	05/03/2011	ND	5.93	98.8	6.00	0.190	

Surrogate: 4-Bromofluorobenzene (PIL) 89.7 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	04/25/2011	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: AB					
									S-04

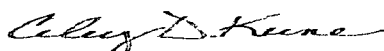
Surrogate: 1-Chlorooctane 172 % 70-130

Surrogate: 1-Chlorooctadecane 114 % 70-130

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Basin Environmental Service
BEN J. ARGUIJO
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 04/21/2011
Reported: 05/05/2011
Project Name: POKER LAKE UNIT 158 BATTERY
Project Number: AFB 24735
Project Location: EDDY CO, NEW MEXICO

Sampling Date: 04/20/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: SB - 4 - 20 - 3 SURFACE (H100814-07)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	7800	16.0	04/25/2011	ND	432	108	400	0.00			
TPH 8015M		mg/kg	Analyzed By: AB								S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	553	50.0	04/23/2011	ND	207	104	200	6.50			
DRO >C10-C28	2990	50.0	04/23/2011	ND	200	99.8	200	1.84			
EXT DRO >C28-C35	262	50.0	04/23/2011	ND							
<hr/>											
Surrogate: 1-Chlorooctane	148 %	70-130									
Surrogate: 1-Chlorooctadecane	127 %	70-130									


Sample ID: SB - 4 - 20 - 3 2' BGS (H100814-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5440	16.0	04/25/2011	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: AB						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1600	50.0	04/23/2011	ND	207	104	200	6.50		
DRO >C10-C28	4980	50.0	04/23/2011	ND	200	99.8	200	1.84		
EXT DRO >C28-C35	363	50.0	04/23/2011	ND						
Surrogate: 1-Chlorooctane	156 %	70-130								
Surrogate: 1-Chlorooctadecane	120 %	70-130								

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Basin Environmental Service
BEN J. ARGUIJO
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 04/21/2011
Reported: 05/05/2011
Project Name: POKER LAKE UNIT 158 BATTERY
Project Number: AFB 24735
Project Location: EDDY CO, NEW MEXICO

Sampling Date: 04/20/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: SB - 4 - 20 - 3 4' BGS (H100814-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5440	16.0	04/25/2011	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: AB						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	2100	50.0	04/23/2011	ND	207	104	200	6.50		
DRO >C10-C28	6030	50.0	04/23/2011	ND	200	99.8	200	1.84		
EXT DRO >C28-C35	429	50.0	04/23/2011	ND						
Surrogate: 1-Chlorooctane	164 %	70-130								
Surrogate: 1-Chlorooctadecane	117 %	70-130								


Sample ID: SB - 4 - 20 - 4 SURFACE (H100814-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	30800	16.0	04/25/2011	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: AB						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	2570	50.0	04/23/2011	ND	207	104	200	6.50		
DRO >C10-C28	12700	50.0	04/23/2011	ND	200	99.8	200	1.84		
EXT DRO >C28-C35	934	50.0	04/23/2011	ND						
Surrogate: 1-Chlorooctane	252 %	70-130								
Surrogate: 1-Chlorooctadecane	170 %	70-130								

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Basin Environmental Service
BEN J. ARGUIJO
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 04/21/2011
Reported: 05/05/2011
Project Name: POKER LAKE UNIT 158 BATTERY
Project Number: AFB 24735
Project Location: EDDY CO, NEW MEXICO

Sampling Date: 04/20/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: SB - 4 - 20 - 4 2' BGS (H100814-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6480	16.0	04/25/2011	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	34.9	10.0	04/23/2011	ND	207	104	200	6.50	
DRO >C10-C28	412	10.0	04/23/2011	ND	200	99.8	200	1.84	
EXT DRO >C28-C35	37.5	10.0	04/23/2011	ND					

Surrogate: 1-Chlorooctane 108 % 70-130

Surrogate: 1-Chlorooctadecane 108 % 70-130

Sample ID: SB - 4 - 20 - 4 4' BGS (H100814-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6080	16.0	04/25/2011	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	54.6	10.0	04/23/2011	ND	207	104	200	6.50	
DRO >C10-C28	642	10.0	04/23/2011	ND	200	99.8	200	1.84	
EXT DRO >C28-C35	52.7	10.0	04/23/2011	ND					

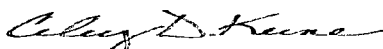
Surrogate: 1-Chlorooctane 99.8 % 70-130

Surrogate: 1-Chlorooctadecane 101 % 70-130

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Basin Environmental Service
BEN J. ARGUIJO
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	04/21/2011	Sampling Date:	04/20/2011
Reported:	05/05/2011	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 158 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	AFB 24735	Sample Received By:	Celey D. Keene
Project Location:	EDDY CO, NEW MEXICO		

Sample ID: SB - 4 - 20 - 5 SURFACE (H100814-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8320	16.0	04/25/2011	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: AB						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1320	50.0	04/23/2011	ND	207	104	200	6.50		
DRO >C10-C28	6710	50.0	04/23/2011	ND	200	99.8	200	1.84		
EXT DRO >C28-C35	542	50.0	04/23/2011	ND						
Surrogate: 1-Chlorooctane	149 %	70-130								
Surrogate: 1-Chlorooctadecane	114 %	70-130								

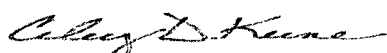
Sample ID: SB - 4 - 20 - 5 2' BGS (H100814-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1960	16.0	04/25/2011	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: AB						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	3020	50.0	04/23/2011	ND	207	104	200	6.50		
DRO >C10-C28	9070	50.0	04/23/2011	ND	200	99.8	200	1.84		
EXT DRO >C28-C35	657	50.0	04/23/2011	ND						
Surrogate: 1-Chlorooctane	190 %	70-130								
Surrogate: 1-Chlorooctadecane	116 %	70-130								

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Basin Environmental Service
BEN J. ARGUIJO
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 04/21/2011
Reported: 05/05/2011
Project Name: POKER LAKE UNIT 158 BATTERY
Project Number: AFB 24735
Project Location: EDDY CO, NEW MEXICO

Sampling Date: 04/20/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: SB - 4 - 20 - 5 4' BGS (H100814-15)

BTEX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.25	1.25	05/03/2011	ND	2.04	102	2.00	2.03	
Toluene*	22.7	2.50	05/03/2011	ND	1.99	99.4	2.00	0.937	
Ethylbenzene*	13.1	2.50	05/03/2011	ND	2.02	101	2.00	0.321	
Total Xylenes*	66.4	7.50	05/03/2011	ND	5.93	98.8	6.00	0.190	

Surrogate: 4-Bromofluorobenzene (PIL) 72.4 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	04/25/2011	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: AB						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	2980	50.0	04/23/2011	ND	207	104	200	6.50		
DRO >C10-C28	11900	50.0	04/23/2011	ND	200	99.8	200	1.84		
EXT DRO >C28-C35	939	50.0	04/23/2011	ND						

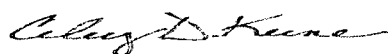
Surrogate: 1-Chlorooctane 186 % 70-130

Surrogate: 1-Chlorooctadecane 133 % 70-130

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

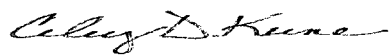
Notes and Definitions

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

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

1 of 2

Company Name: Basin Environmental Service Technologies, LLC										BILL TO		ANALYSIS REQUEST												
Project Manager: Ben J. Arquiyo										P.O. #:		<div>Chlorides 8015 M Hold for BTEX</div>												
Address: P.O. Box 301										Company: BOPCO, LP														
City: Lovington State: NM Zip: 88260										Attn: Tony Savoie														
Phone #: (575) 396-2378 Fax #: (575) 396-1429										Address: 522 W. Mermod														
Project #: AFB 24735 Project Owner: BOPCO, LP										City: Carlsbad														
Project Name: Poker Lake Unit 158 Battery										State: NM Zip: 88220														
Project Location: EDDY NEW Mexico										Phone #: (432) 556-8730														
Sampler Name: Jody Walters										Fax #:														
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS		MATRIX			PRESERV.		SAMPLING											
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:			ACID/BASE: ICE / COOL OTHER:		DATE TIME											
H100814-1		SB-4-20-1		Surface		G 1		X			X		4-20-11 9:00		X X X									
2		SB-4-20-1		2' BGS		G 1		X			X		4-20-11 9:10		X X X									
3		SB-4-20-1		4' BGS		G 1		X			X		4-20-11 9:20		X X X									
4		SB-4-20-2		Surface		G 1		X			X		4-20-11 9:30		X X X									
5		SB-4-20-2		2' BGS		G 1		X			X		4-20-11 9:40		X X X									
6		SB-4-20-2		4' BGS		G 1		X			X		4-20-11 9:50		X X X									
7		SB-4-20-3		Surface		G 1		X			X		4-20-11 10:00		X X X									
8		SB-4-20-3		2' BGS		G 1		X			X		4-20-11 10:10		X X X									
9		SB-4-20-3		4' BGS		G 1		X			X		4-20-11 10:20		X X X									
10		SB-4-20-4		Surface		G 1		X			X		4-20-11 10:30		X X X									

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Relinquished By:	Date: 4-21-11 Time: 8:04	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: Add'l Fax #:
Relinquished By:	Date: 4-21-11 Time: 8:04	Received By:	REMARKS: Hold for BTEX Run two highest TPH for BTEX	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) 	Please email results to pm@basinenv.com & TSavoie@BassPet.com	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

2 of 2

Company Name: Basin Environmental Service Technologies, LLC		BILL TO		ANALYSIS REQUEST																							
Project Manager: Ben J. Arguijo		P.O. #:																									
Address: P.O. Box 301		Company: BOPCO, LP																									
City: Lovington State: NM Zip: 88260		Attn: Tony Savoie																									
Phone #: (575) 396-2378 Fax #: (575) 396-1429		Address: 522 w. Mermod																									
Project #: AFE 24735 Project Owner: BOPCO, LP		City: Carlsbad																									
Project Name: Poker Lake Unit 158 Battery		State: NM Zip: 88220																									
Project Location: EDDY, NEW Mexico		Phone #: (432) 556-8730																									
Sampler Name: Jody Walters		Fax #:																									
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING																
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME												
	H10014-11	SB-4-20-4 2' BGS	G	1			X					X		4-20-11	10:40	X	X	X									
	12	SB-4-20-4 4' BGS	G	1			X					X		4-20-11	10:50	X	X	X									
	13	SB-4-20-5 Surface	G	1			X					X		4-20-11	11:00	X	X	X									
	14	SB-4-20-5 2' BGS	G	1			X					X		4-20-11	11:10	X	X	X									
	15	SB-4-20-5 4' BGS	G	1			X					X		4-20-11	11:20	X	X	X									

Chlorides
BODISM
Hold for BTEX

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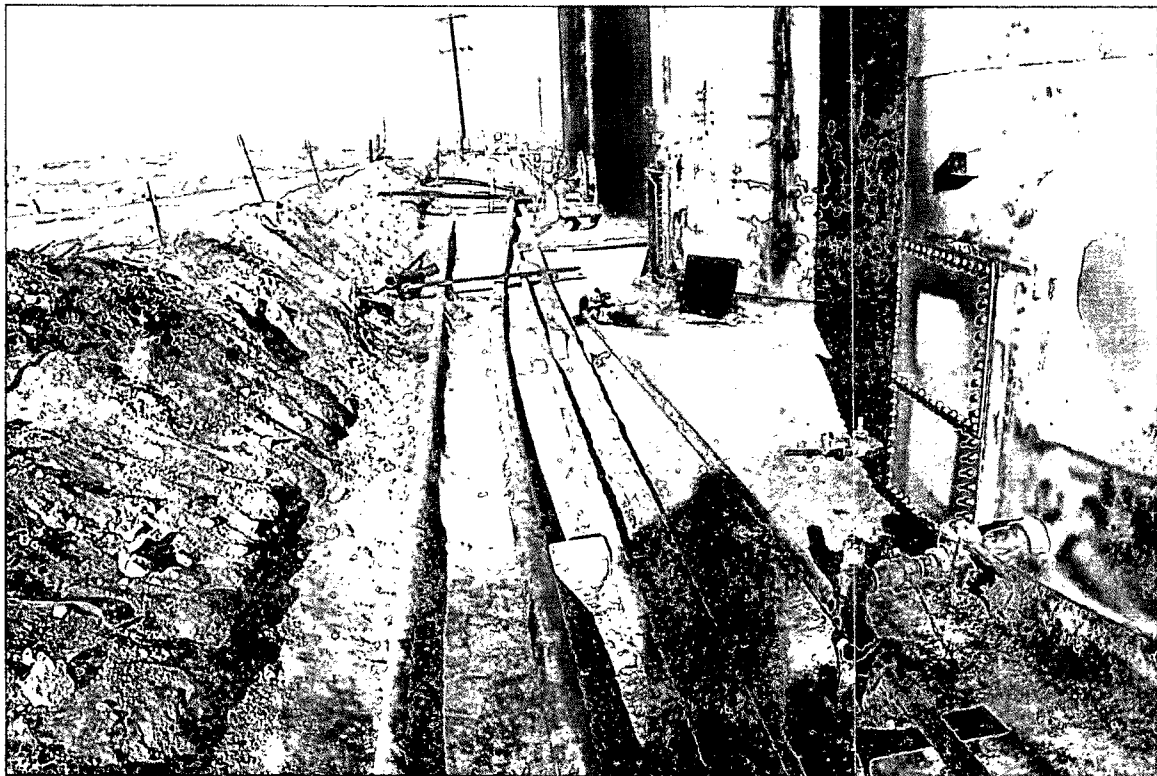
Relinquished By:	Date: 4/21/11 Time: 8:04	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: Add'l Fax #:
Relinquished By:	Date: 4/21/11 Time: 8:04	Received By:	REMARKS: Hold for BTEX Run two Highest TPH for BTEX	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition: Cool <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY: (Initials) 	Please email results to pm@basinenv.com & TSavoie@BassPet.com	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

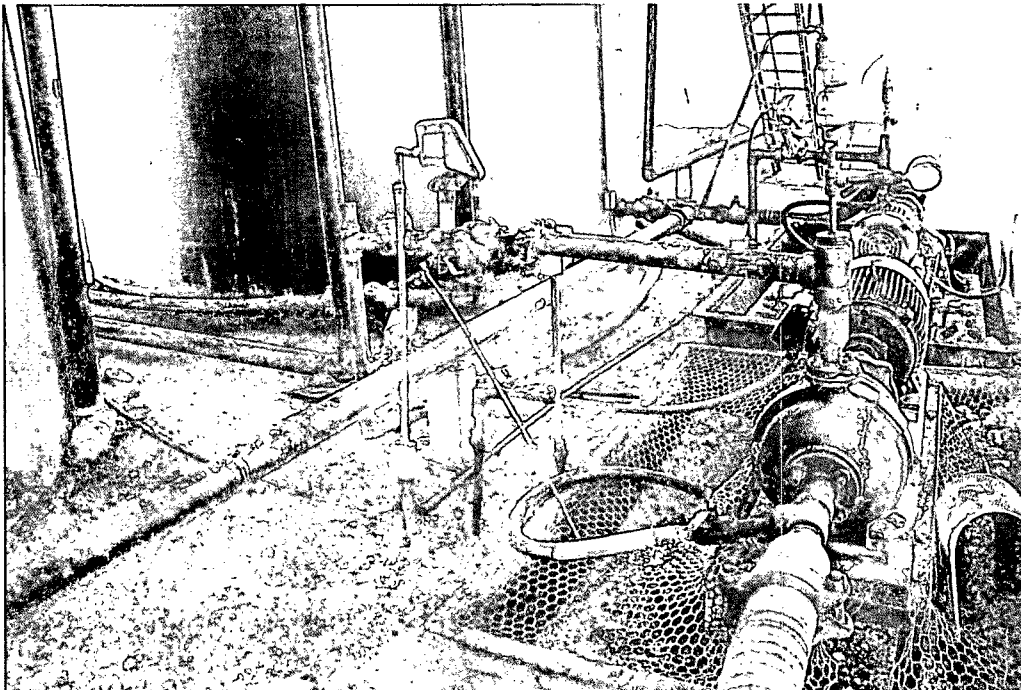
Appendix C
Photographs



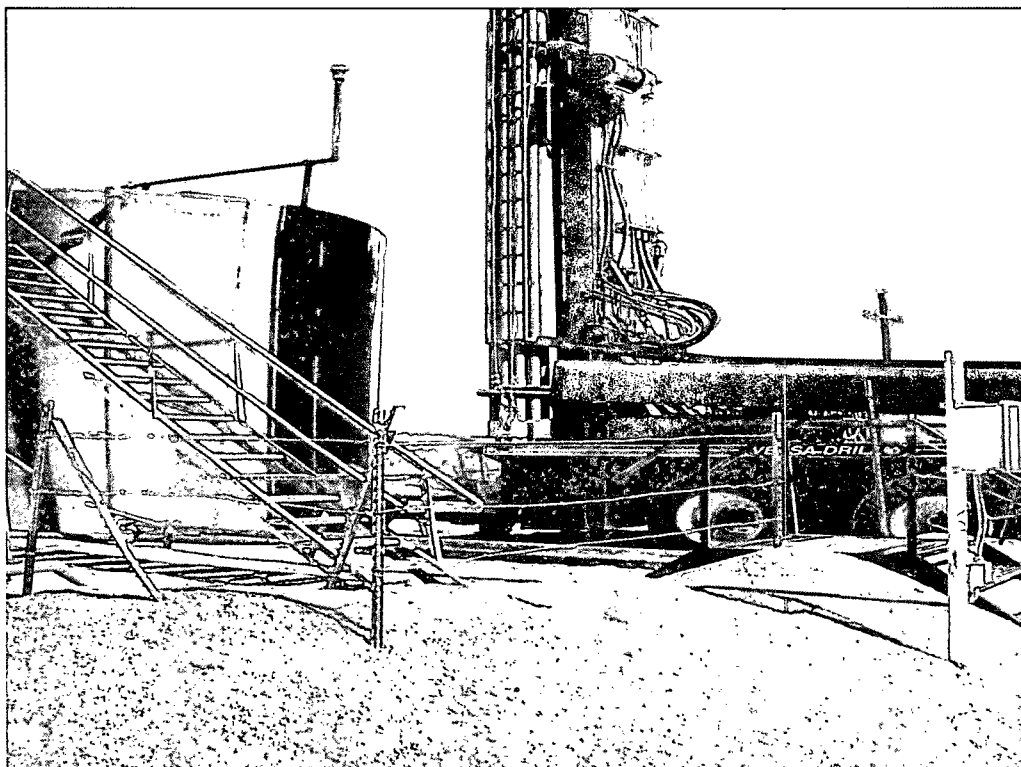
Photograph of overspray area east of the PLU #158 Battery.



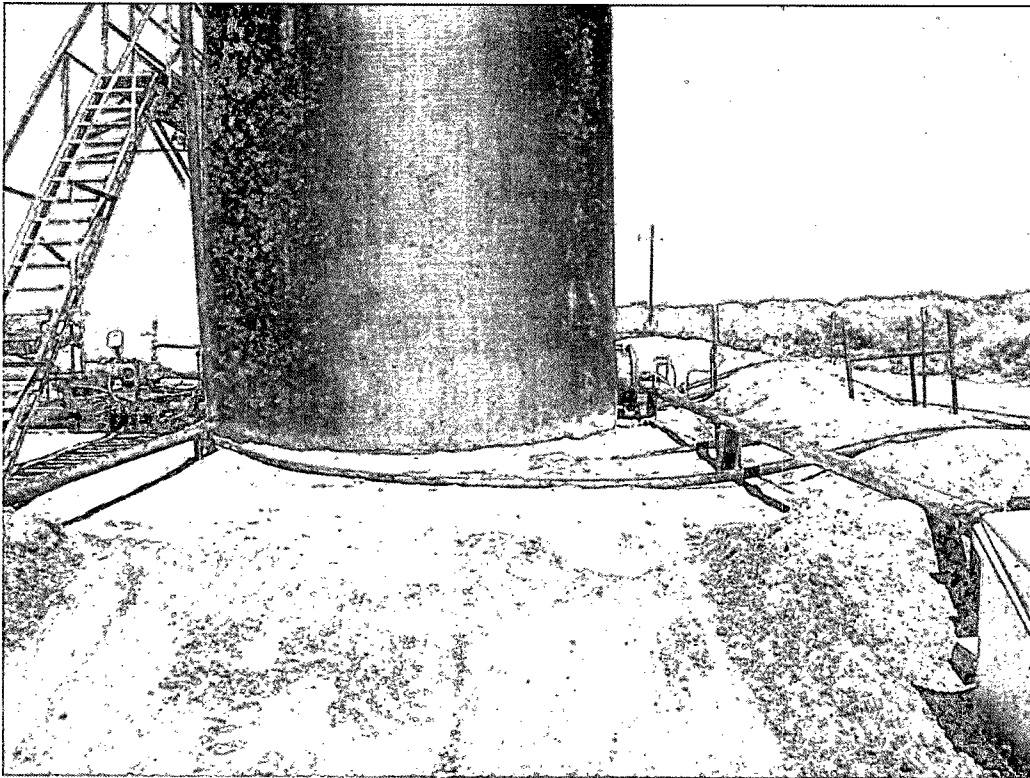
Photograph of the Excavation within the earthen containment at the PLU #158 Battery.



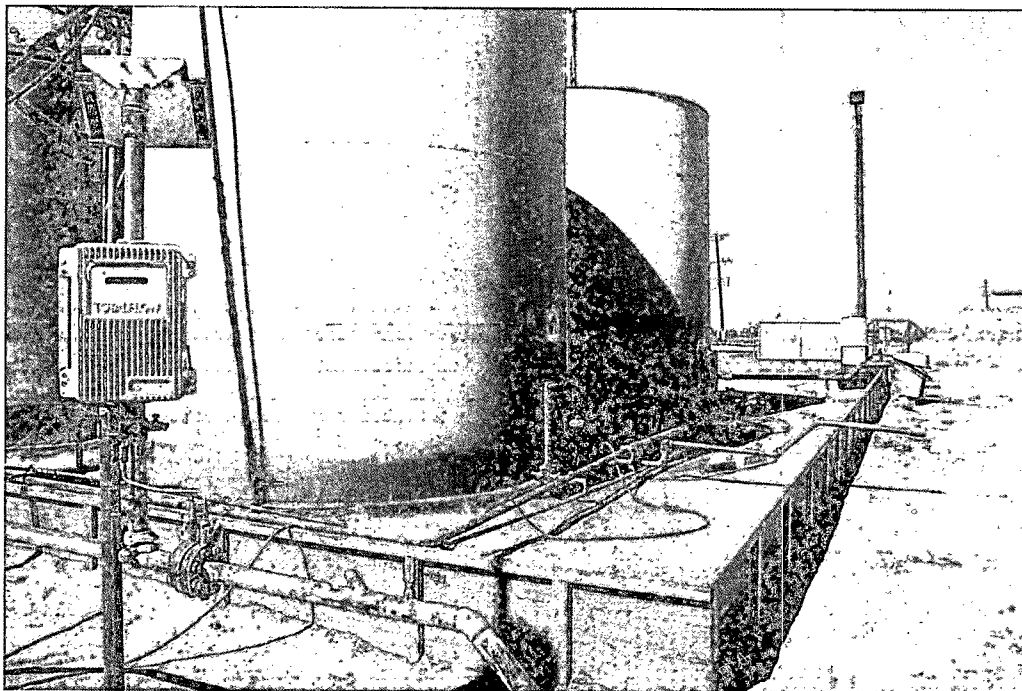
Photograph of the excavation within the earthen containment at the PLU #158 Battery.



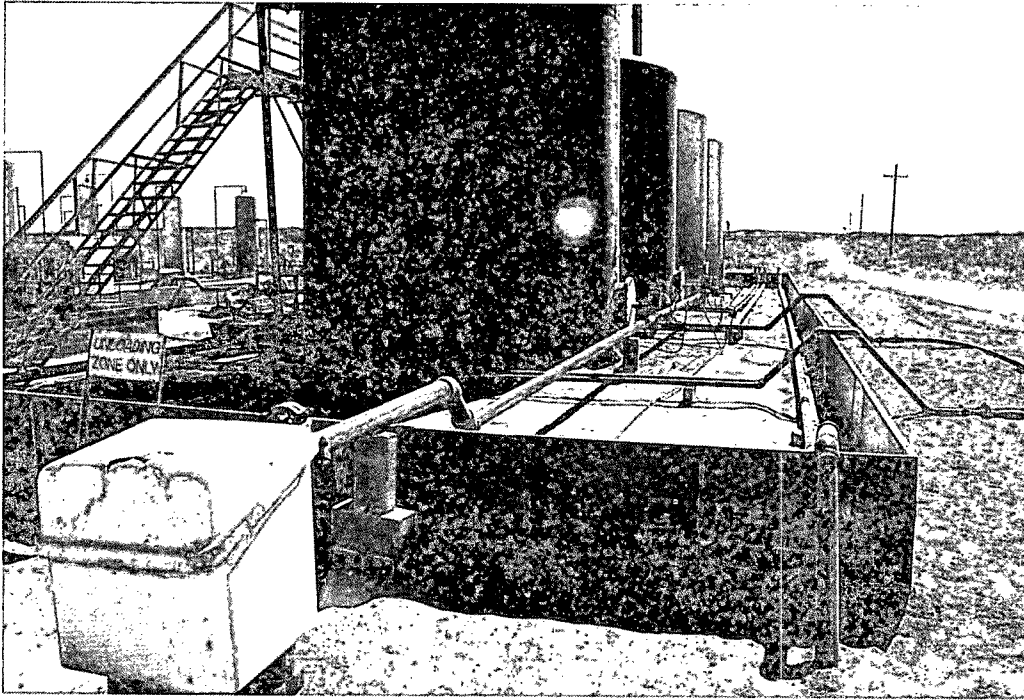
Photograph of the May 24, 2010, drilling event at the PLU #158 Tank Battery.



Photograph of the backfilled earthen containment prior to the installation of Falcon Liner System at the PLU #158 Battery.



Photograph of newly installed Falcon containment system at the PLU #158 Tank Battery.



Photograph of newly installed Falcon containment system at the PLU #158 Tank Battery.

Appendix D

Release Notification and Corrective Action
(Form C-141)

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

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. 432-556-8730
Facility Name Poker Lake Unit #158	Facility Type E&P API 30-015-31690

Surface Owner Federal	Mineral Owner Federal	Lease No.
-----------------------	-----------------------	-----------

LOCATION OF RELEASE

Unit Letter A	Section 7	Township 24S	Range 30E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
------------------	--------------	-----------------	--------------	---------------	------------------	---------------	----------------	----------------

Latitude N 32.237400 Longitude W 103.914150

NATURE OF RELEASE

Type of Release: Crude oil and produced water	Volume of Release: 5 Bbls of Produced water and 45 Bbls of Crude oil	Volume Recovered: 40 Bbls
Source of Release: Tank overflow	Date and Hour of Occurrence 3/8/10 Approximately 2:30 p.m.	Date and Hour of Discovery 3/8/10 4:30 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Randy, emergency NMOCD number	
By Whom?	Date and Hour 3/9/10 12:04 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 valve on the produced water tanks was left open while the operator was tending to other activities, the source of the overflow was corrected and a vacuum truck was dispatched to the area to remove the fluid inside of the earthen containment.

Describe Area Affected and Cleanup Action Taken.*The entire area of the earthen containment was covered with crude oil, approximately 4500 sq.ft. The free standing oil was removed and the saturated area around the tanks inside the containment was covered with dry to dirt to allow for normal operations to continue. Approximately 30,600 sq. ft. of pasture land was affected by a fine mist of crude oil due to the excessive winds that day. The affected vegetation was washed down with a nutrient and microblaze solution.

The Site remediation for the produced water and crude oil spill will follow the NMOCD guidelines for leaks and spills.

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 District Supervisor:	
Title: Waste Mgmt.& Remediation Specialist	Approval Date:	Expiration Date:	
E-mail Address: TASavoie@BassPet.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 3/15/10	Phone:432-556-8730		

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report

☒ Final Report

Name of Company	BOPCO, LP	Contact	Tony Savoie
Address	522 W. Mermod, Suite 704, Carlsbad, NM 88220	Telephone No.	(432)556-8730
Facility Name	Poker Lake Unit #158	Facility Type	E&P
Surface Owner	Federal	Mineral Owner	Federal
		Lease No.	

LOCATION OF RELEASE

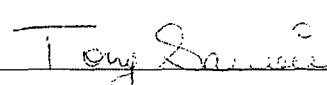
30-015-31690

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	7	24S	30E					Eddy

Latitude 32.237274° North

Longitude 103.914835° West

NATURE OF RELEASE

Type of Release	Produced water and crude oil	Volume of Release	5 bbls of produced water and 45 bbls of crude oil	Volume Recovered	40 Bbls
Source of Release	Tank overflow	Date and Hour of Occurrence	3/8/10 Approximately 2:30 PM	Date and Hour of Discovery	3/8/2010, 4:30 PM
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Randy, NMOCD emergency number		
By Whom?	Tony Savoie	Date and Hour	3/9/10, 12:04 PM		
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 valve on the produced water tanks was left open while the operator was tending to other activities, the source of the overflow was corrected and a vacuum truck was dispatched to the area to remove the fluid inside of the earthen containment.					
Describe Area Affected and Cleanup Action Taken. The entire area of the earthen containment was covered with crude oil, approximately 4,500 sq.ft. The free standing oil was removed, and the saturated area around the tanks inside the containment was covered with dry dirt to allow for normal operations to continue. Approximately 30,600 sq. ft. of pasture land was affected by a fine mist of crude oil due to the excessive winds that day. The affected vegetation was washed down with a nutrient and microblaze solution. Following initial response activities, the release was remediated as per NMOCD approval. Please reference the attached <i>Remediation Summary & Site Closure Request</i> for remediation details.					
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 District Supervisor:			
Title: Waste Mgmt. & Remediation Specialist		Approval Date:		Expiration Date:	
E-mail Address: TASavoie@BassPet.com		Conditions of Approval:			
Date: 7/25/2011		Phone: (432)556-8730			

Tag Copy 2RP-400
Bass 8/1/11