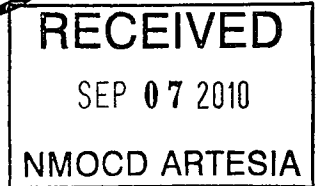


Basin Environmental Consulting, LLC

2800 Plains Highway
P. O. Box 381
Lovington, New Mexico 88260
cjbryant@basin-consulting.com
Office: (575) 396-2378 Fax: (575) 396-1429



REMEDIATION SUMMARY AND RISKED-BASED CLOSURE STRATEGY

**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 Consulting, LLC
2800 Plains Highway
Lovington, New Mexico 88260

August 2010

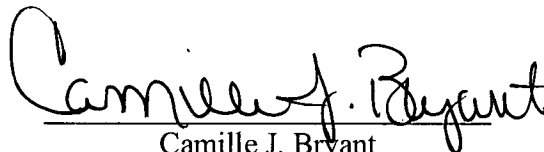

Camille J. Bryant
Project Manager

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FIGURES

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Figure 2 – Site and Sample Location Map (Tank Battery Area)

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Table 1 – Concentrations of Benzene, BTEX, TPH and Chlorides in Soil

APPENDICES

Appendix A – Soil Boring Log

Appendix B – Analytical Reports

Appendix C – Photographs

Appendix D – Release Notification and Corrective Action (Form C-141)

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 Strategy 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 and 3 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 (70) feet bgs. During advancement of the soil boring, circulation was lost and the bore hole collapsed at approximately seventy (70) feet 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 (10) feet, twenty-five (25) feet, sixty-five (65) feet and seventy (70) feet bgs were submitted to the laboratory for BTEX and TPH analysis. Soil samples collected at ten (10) feet, twenty (20) feet, twenty-five (25) feet, thirty (30) feet, forty (40) feet, fifty (50) feet, fifty-five (55) feet, sixty (60) feet, sixty-five (65) feet and seventy (70) feet 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". 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.

PROPOSED ACTIVITIES

BOPCO proposes the following risk-based closure strategy designed to progress the Poker Lake Unit #158 release site toward an NMOCD approved closure:

- The overspray area defined by soil sample West Side #2 @ 6" will be excavated until laboratory analytical results indicate TPH concentrations are less than 5,000 mg/Kg. The limits of the excavation will be determined by field screening using a PID. Confirmation soil samples will be collected at approximately fifty (50) foot intervals from the sidewalls and floor of the excavation. The soil samples will be submitted to the laboratory and analyzed for concentrations of benzene, toluene, ethylbenzene and xylene (BTEX) using EPA method 8021b, TPH using SW-846 8015M and chlorides using 4500 Cl B. Excavation activities will continue until laboratory analytical results indicate BTEX concentrations are less than 50 mg/Kg, TPH concentrations are less than 5,000 mg/Kg and chloride concentrations are less than 1,000 mg/Kg. The excavated soil will be stockpiled on-site, pending final disposition.
- BOPCO proposes to collect a stockpile soil sample for each 250 cy of stockpiled soil. Soil samples will be submitted to the laboratory and analyzed for concentrations of BTEX, TPH and chlorides. Soil samples exhibiting chloride concentrations exceeding 2,500 mg/Kg will be transported to an NMOCD approved facility for disposal. Provided the analytical results indicate the chloride concentration of the soil sample is less than 2,500 mg/Kg, the soil will be blended and re-sampled until chloride concentrations are less than 1,000 mg/Kg, BTEX concentrations are less than 50 mg/Kg and TPH concentrations are less than 5,000 mg/Kg. Provided the analytical results indicate the BTEX, TPH and chloride concentrations are less than the remedial goals listed above, the soil will be used as backfill
- BOPCO proposes to excavate approximately six (6) inches of soil inside the containment area to remove any heavily saturated material. The excavated soil will be transported to an NMOCD approved facility for disposal. An impervious Falcon liner will be installed inside the facility. The liner will be applied to the tanks and the area surrounding the tanks. The Falcon liner will help mitigate and minimize future releases at the facility.
- Following backfilling activities the disturbed area will be contoured to fit the surrounding topography and reseeded with a BLM approved seed mixture.

REPORTING

On review and approval of this proposal by the NMOCD and BLM, BOPCO is prepared to begin the field activities and perform the corrective actions summarized in this Remediation Summary and Risk-Based Closure Strategy. Upon completion of the field activities summarized in this proposal, BOPCO will submit a Site Closure Request to the NMOCD and BLM, documenting the results of confirmation soil samples, and final topography activities.

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.

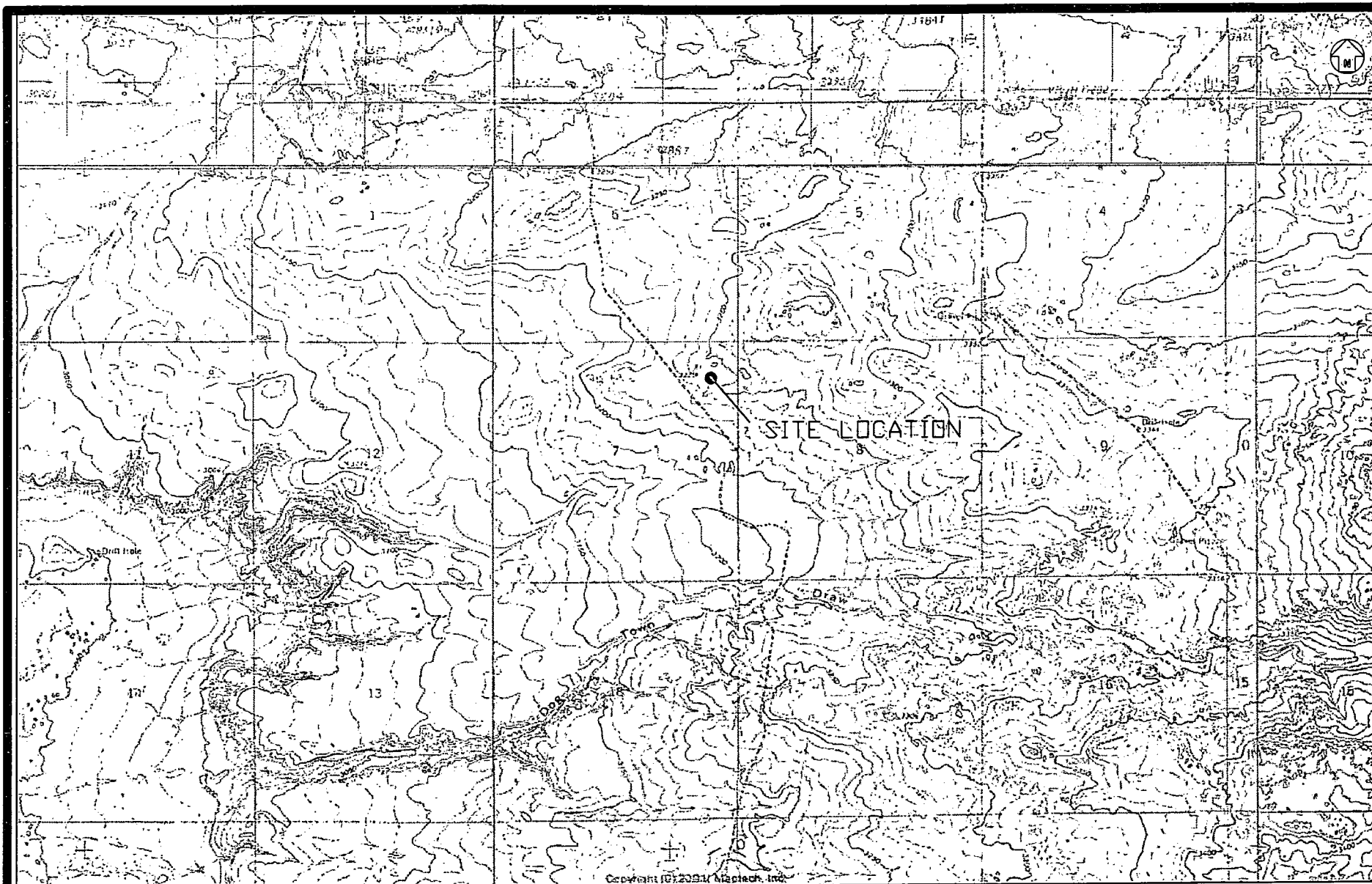
Basin Environmental Consulting, LLC has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. Basin Environmental Consulting, LLC has not conducted an independent examination of the facts contained in referenced materials and statements. 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 Consulting, LLC
P.O. Box 381
Lovington, New Mexico 88260

Figures

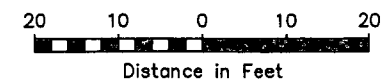
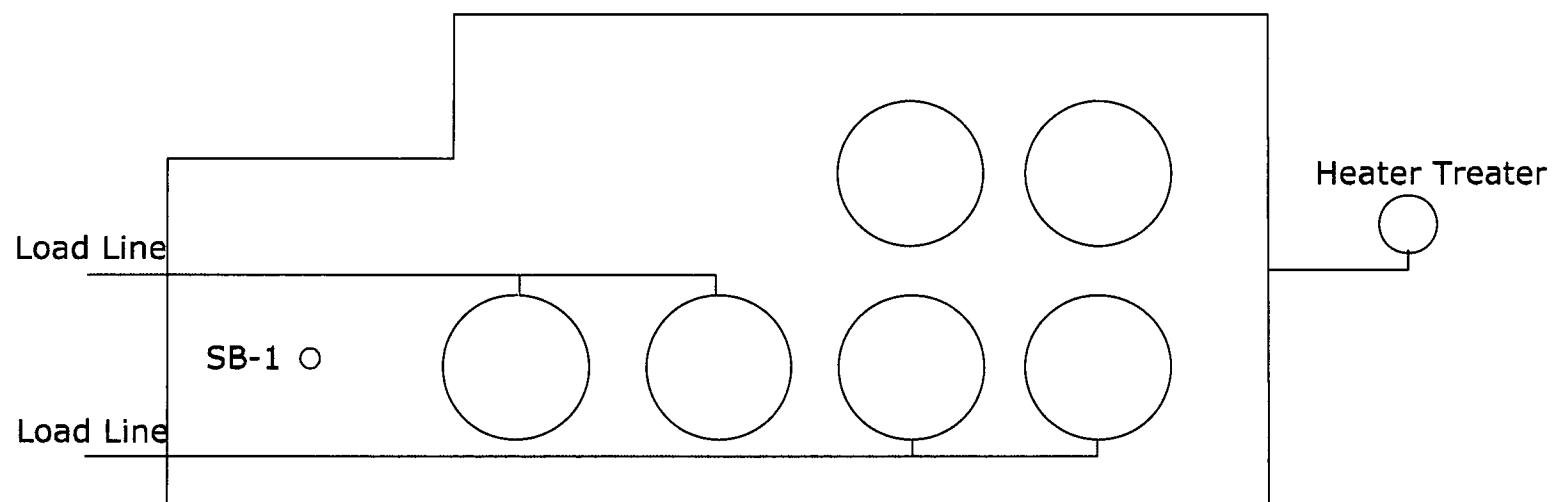


3000 1500 0 1500 3000
 Distance in Feet

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

Basin Environmental Consulting

Prep By: JWL	Checked By: CJB
August 19, 2010	Scale 1"=3000'



Legend:

- Firewall
- Pipeline
- Soil Boring

Figure 2
Site Map
BOPCO, L.P.
Poker Lake Unit #158
Eddy County, New Mexico

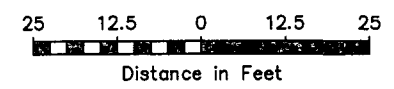
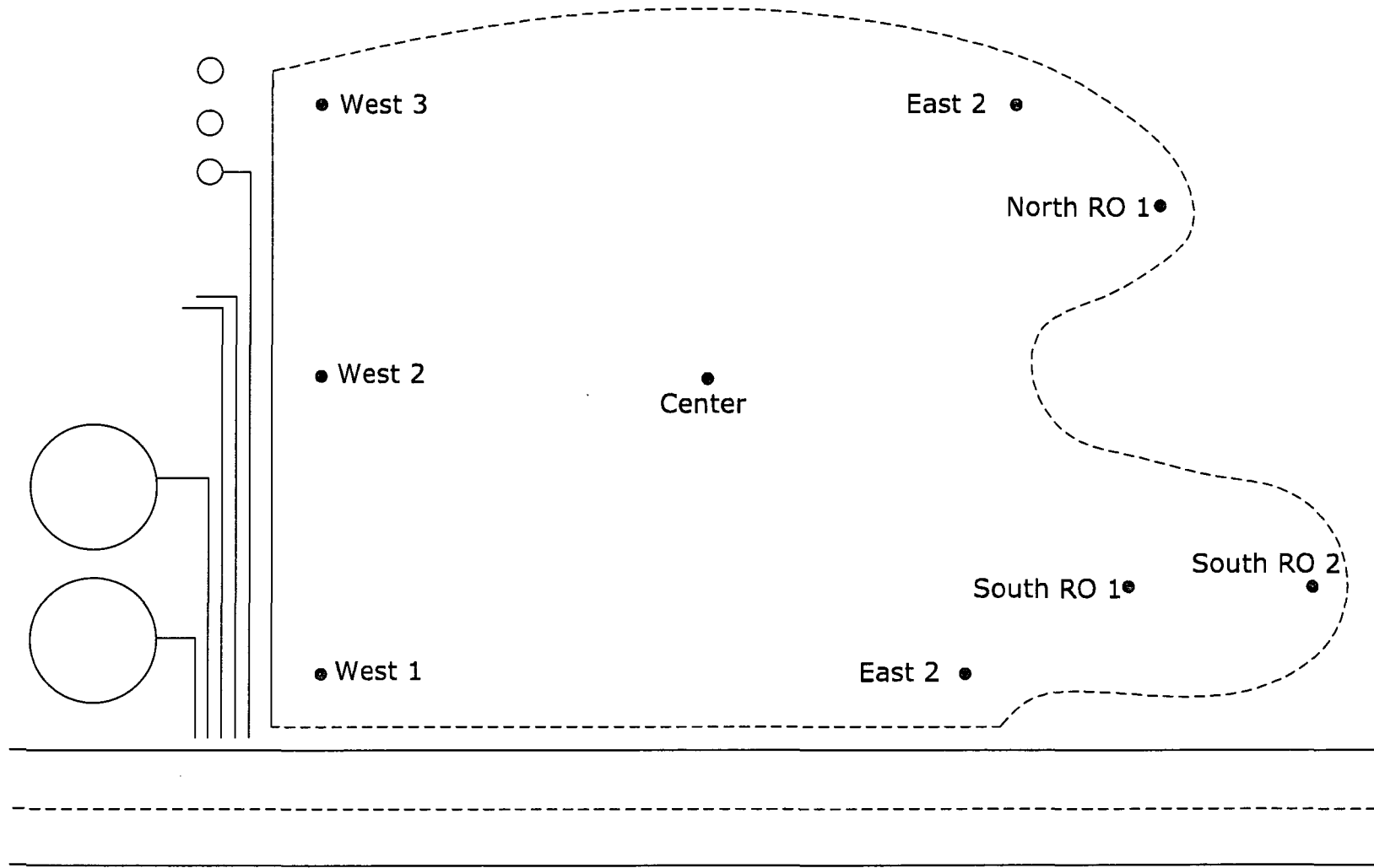
Basin Environmental Services

Prep By: JWL

Checked By: CJB

June 08, 2010

Scale 1"=20'



Legend:
---- Overspray Margins
— Pipeline
● Sample Point

Figure 3
Site Map
BOPCO, L.P.
Poker Lake Unit # 158
Eddy County, New Mexico

Basin Environmental Consulting

Prep By: JWL		Checked By: CJB	
July 19, 2010		Scale 1"=25'	

Tables

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH, AND CHLORIDES IN SOIL

BOPCO, LP
POKER LAKE UNIT 158
EDDY COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DEPTH (Below Grade Surface)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					SW 848-8015M				4500
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	BTEX (mg/Kg)	GRO C ₆ -C ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	DRO Ext. C ₂₈ -C ₃₅ (mg/Kg)	TOTAL TPH C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (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	1270	5540	17.7	6,828	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	1,199.90	<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
NMOCDC Regulatory Standard				10				50				5,000	

Appendices

Appendix A

Soil Boring Logs

Soil Boring SB-1

Boring SB-1

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.

Soil Boring SB-1

Depth below ground surface	Soil Columns	Chloride Field Test	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description
0		>2500	408	Moderate	Heavy	Surface- Caliche, yellowish
5		128	1280	Heavy	Heavy	0-10' - Sand, brown, fine grained, damp
10		448	1296	None	Moderate	10-15' - Sand with caliche nodules, tan, dry
15		1764	1038	None	Moderate	15-20' - Sand with caliche nodules, brown, damp
20		>2,500	321	None	Moderate	
25		>2,500	52.8	None	Slight	
30		>2,500	52.0	None	None	
35		>2,500	48.8	None	None	
40		244	44.7	None	None	
45		358	56.1	None	None	20-70' - Sand, brown, fine grained, damp
50		664	43.6	None	None	
55		<128	36.8	None	None	
60		436	29.8	None	None	
65		416	31.2	None	None	
70		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

June 24, 2010

Checked By: CJB

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

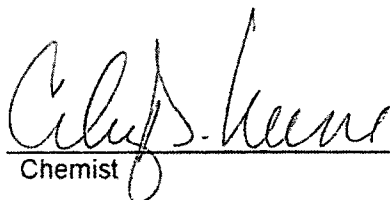
Receiving Date: 05/28/10
Reporting Date: 06/02/10
Project Owner: BOPCO
Project Name: PLU 158
Project Location: EDDY CO., NM

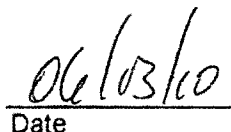
Analysis Date: 06/01/10
Sampling Date: 05/24/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ -4°C
Sample Received By: JH
Analyzed By: HM

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

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.



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

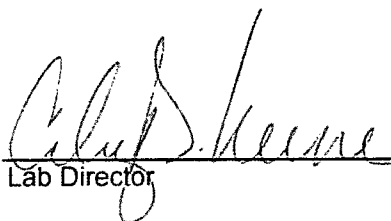
Receiving Date: 05/28/10
Reporting Date: 06/02/10
Project Owner: BOPCO
Project Name: PLU 158
Project Location: EDDY CO., NM

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.

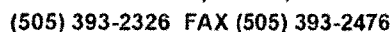
TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES. Reported on wet weight. Not accredited for GRO/DRO/DRO ext.


Lab Director


Date

H19994 TPHextBTEX BASIN

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#26



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Relinquished By:		Date:	Received By:	Phone Result:	☐ Yes ☐ No	Add'l Phone #:
5002 Lowry		5/28/10		Fax Result:	☐ Yes ☐ No	Add'l Fax #:
		Time:		REMARKS:		
		6:20				
Relinquished By:		Date:	Received By:			
		5/28/10	Yodi Benson			
		Time:				
		6:20				
Delivered By: (Circle One)		Sample Condition	CHECKED BY:			
Sampler - UPS - Bus - Other:		Cool ☒ Intact ☒	(Initials)			
		☒ Yes ☐ No	494			
		☐ No ☐ No				

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

#26



CARDINAL LABORATORIES

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

This report conforms with NELAP requirements.



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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

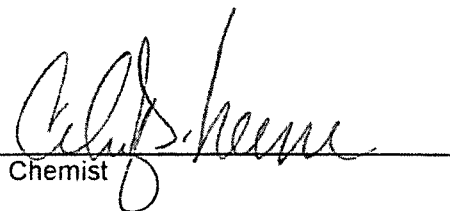
LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H20381-1	WEST SIDE #1 @ 6"	< 16
H20381-2	WEST SIDE #2 @ 6"	32
H20381-3	WEST SIDE #2 @ 2'	< 16
H20381-4	WEST SIDE #3 @ 6"	< 16
H20381-5	CENTER @ 6"	< 16
H20381-6	EAST SIDE #1 @ 6"	< 16
H20381-7	EAST SIDE #2 @ 6"	< 16
H20381-8	NORTH RO #1 @ 6"	< 16
H20381-9	SOUTH RO #1 @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

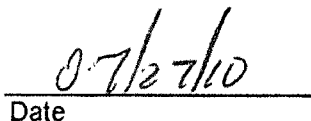
METHOD: Standard Methods

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

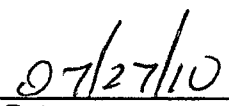
LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	DRO ext. (>C ₂₈ -C ₃₅) (mg/kg)
		07/23/10	07/23/10	07/23/10
ANALYSIS DATE		07/23/10	07/23/10	07/23/10
H20381-1	WEST SIDE #1 @ 6"	<10.0	11.9	<10.0
H20381-2*	WEST SIDE #2 @ 6"	1,270	5,540	17.7
H20381-3	WEST SIDE #2 @ 2'	111	1,070	18.9
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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ANALYTICAL RESULTS FOR
BASIN ENVIRONMENTAL CONSULTING
ATTN: CAMILLE BRYANT
P.O. BOX 381
LOVINGTON, NM 88260
FAX TO: (575) 396-1429

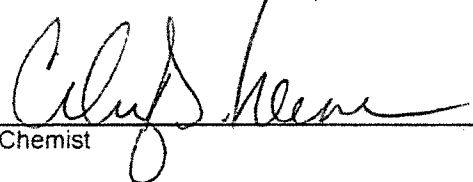
Receiving Date: 07/20/10
Reporting Date: 07/22/10
Project Number: BOPCO
Project Name: PLU 158 BATTERY
Project Location: EDDY CO., NM

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

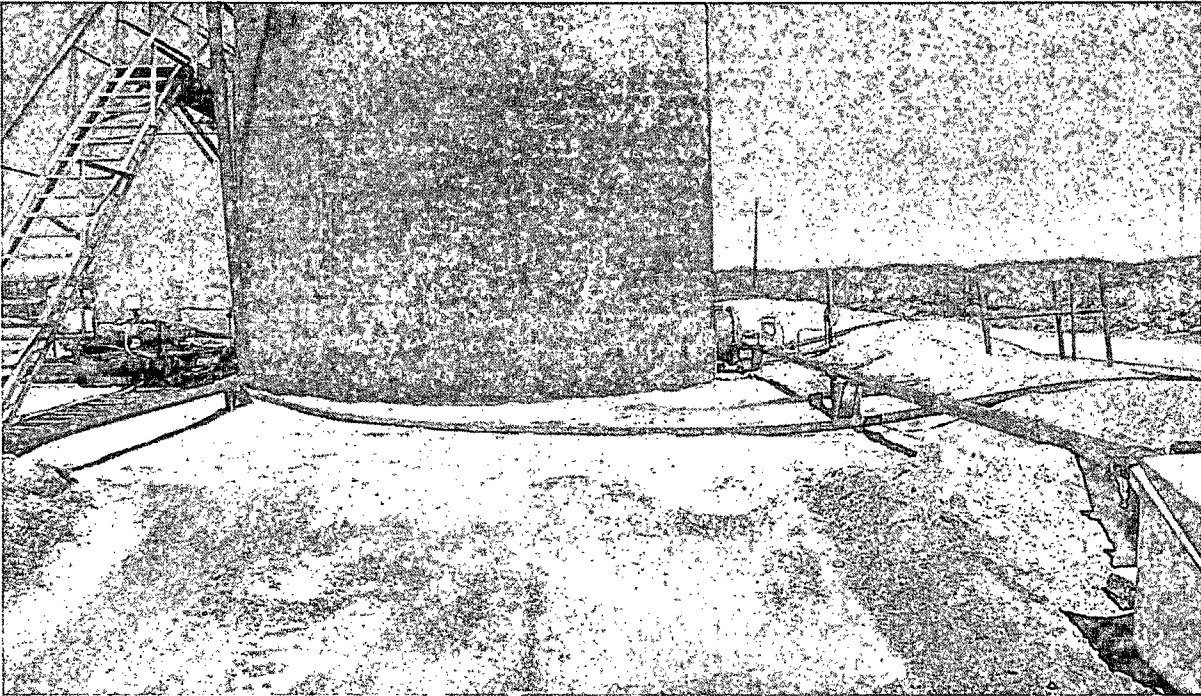
07/27/10
Date



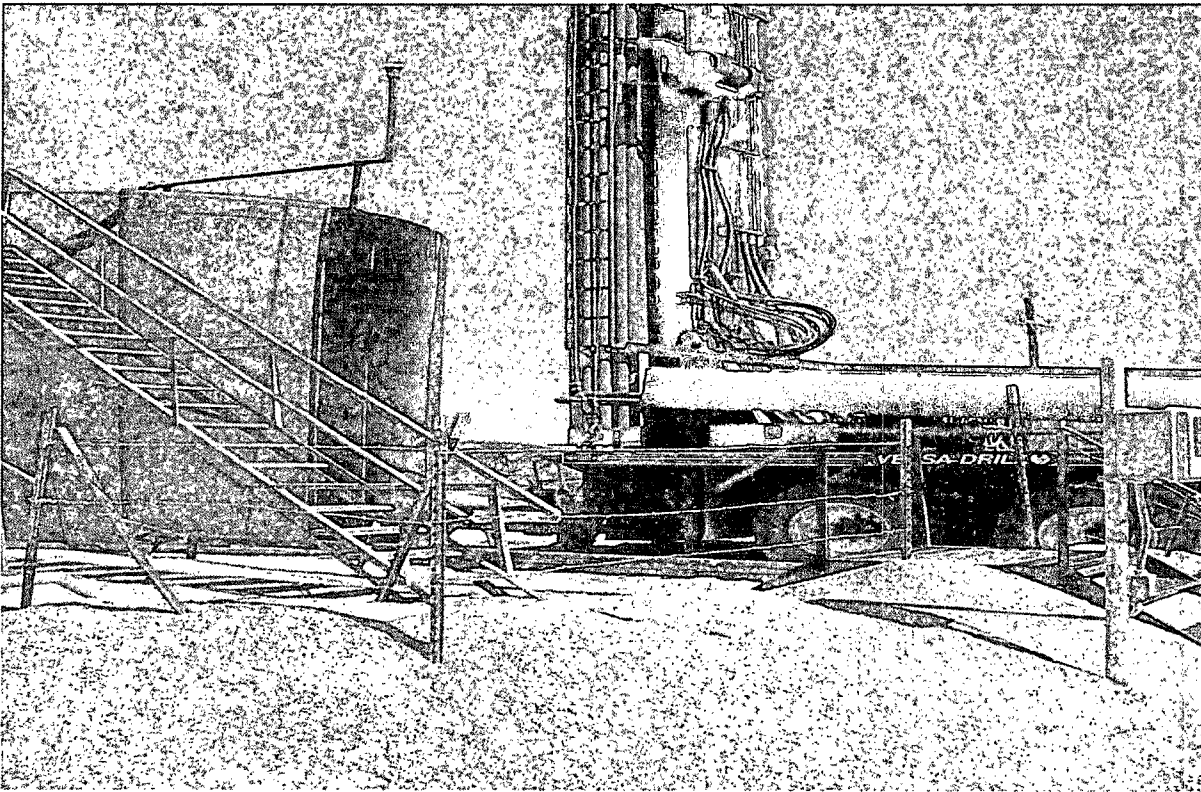
1-1

Appendix C

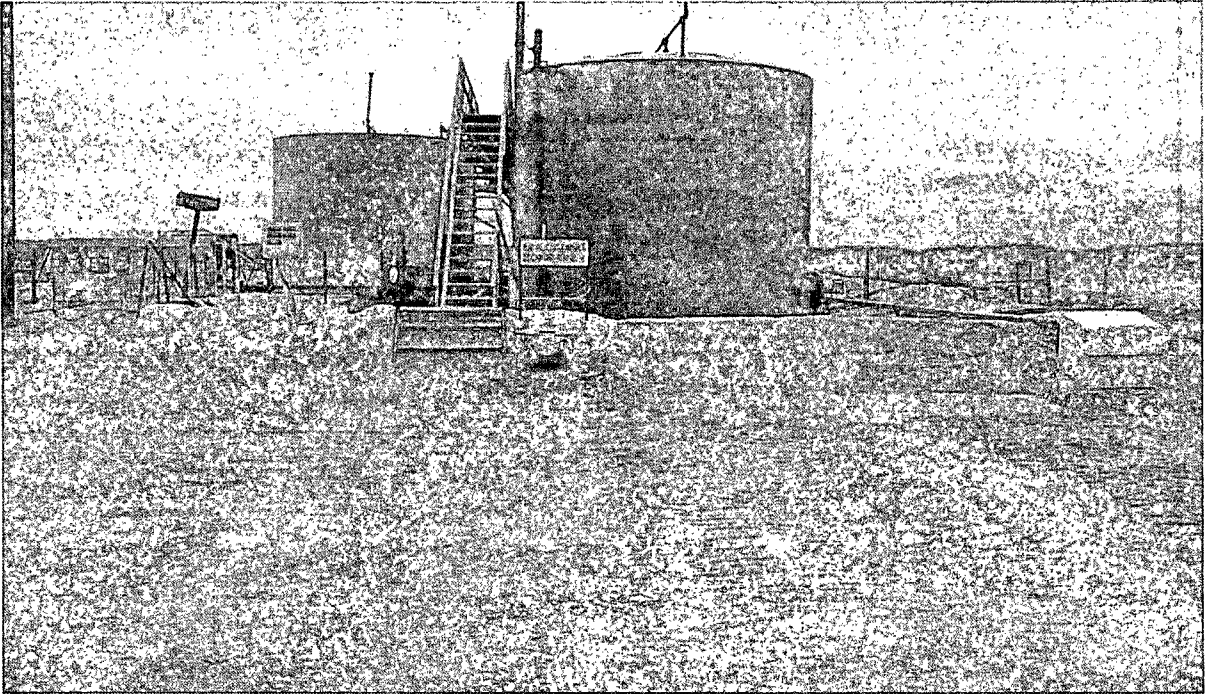
Photographs



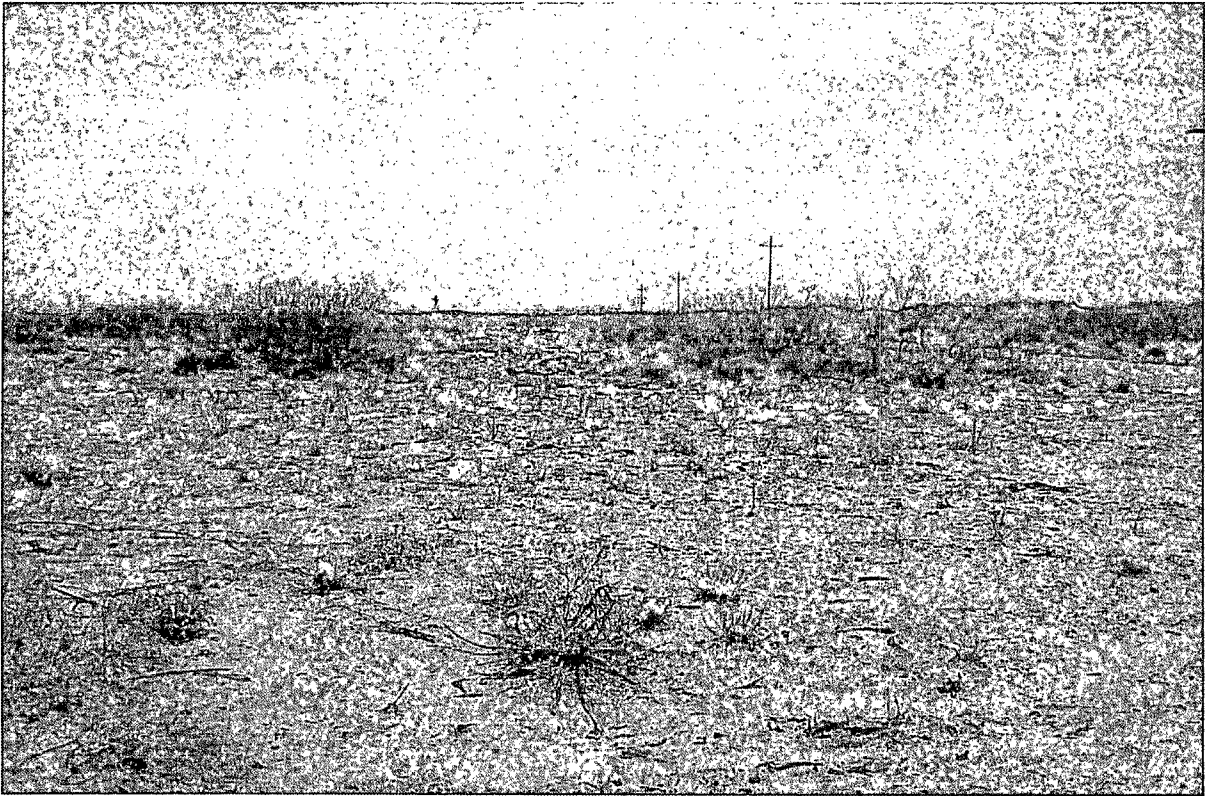
Poker Lake Unit #158 Release Site



Advancement of Soil Boring SB-1 at Poker Lake Unit #158 Release Site



Poker Lake Unit #158 Tank Battery

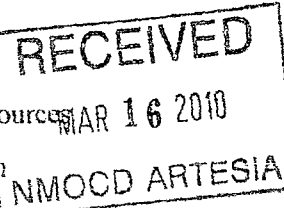


Overspray Area at Poker Lake Unit #158 Release Site

Appendix D
Release Notification and Corrective
Action (Form C-141)

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1501 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.
-----------------------	-----------------------	-----------

30015 31690							
LOCATION OF RELEASE							
Unit Letter A	Section 7	Township 24S	Range 30E	Feet from the 6660	North/South Line	Feet from the 6660	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? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Randy, emergency NMOCD number	
By Whom? Tony Savoie	Date and Hour 3/9/10 12:04 p.m.	
Was a Watercourse Reached? ☐ Yes ☒ 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.

OIL CONSERVATION DIVISION

Signature: Tony Savoie	Approved by District Supervisor: [Signature]	Remediation Actions to be completed Final C-141 submitted with confirm analysis/ documentation and/or letter Expiration Date:
Printed Name: Tony Savoie	Approval Date: 4-8-10	Expiration Date: 6-8-10
Title: Waste Mgmt. & Remediation Specialist	Conditions of Approval:	Attached ☐
E-mail Address: TASavoie@BassPet.com	Notify OCD 48 hours prior to obtaining samples where analyses are to be presented to OCD	200-400
Date: 3/15/10	Phone: 432-556-8730	

* Attach Additional Sheets If Necessary