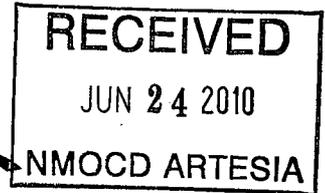


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**REMEDIATION SUMMARY
AND SITE
CLOSURE REQUEST**



**BOPCO, L.P.
Poker Lake Unit #227
Eddy County, New Mexico
BOPCO Job # CPL-09-02
UNIT LTR "P" (SE ¼ /SE ¼), Section 30, Township 24 South, Range 30 East
Latitude 32.18191° North, Longitude 103.91429°
NMOCD Reference # 2RP-348**

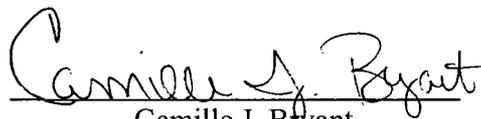
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May 2010



Camille J. Bryant

Project Manager

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FIGURES

Figure 1 – Site Location Map

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

Figure 3 – Site and Sample Location Map (Runoff Area)

TABLES

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

APPENDICES

Appendix A – Soil Boring Logs

Appendix B – Analytical Reports

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

1.0 INTRODUCTION AND BACKGROUND INFORMATION

Basin Environmental Consulting, LLC (Basin), on behalf of BOPCO, L.P. (BOPCO), has prepared this Remediation Summary and Site Closure Request for the release site known as Poker Lake Unit #227 (BOPCO Job # CPL-09-02). The legal description of the release site is Unit Letter "P" (SE ¼ SE ¼), Section 30, Township 24 South, Range 30 East, in Eddy County, New Mexico. The property affected by the release is owned and administered by the United States Department of the Interior, Bureau of Land Management (BLM). The release site GPS coordinates are 32.18191° North and 103.91429° West. Please reference Figure 1 for a Site Location Map and Figures 2 and 3 for a Site and Sample Location Maps.

On July 30, 2009, BOPCO discovered a produced water and crude oil release from a produced water tank at the Poker Lake Unit #227 tank battery facility. The produced water tank was struck by lightning, resulting in the partial failure of the tank and a short duration fire. Approximately two-hundred (200) barrels (bbls) of produced water and less than five (5) bbls of crude oil were released, with no recovery. Produced water remaining in the tank was removed using a vacuum truck. Due to the volume of the release, a portion of the secondary containment berm failed allowing the produced to travel across a previously closed temporary pit, a lease road, and into the pasture. The Release Notification and Corrective Action (Form C-141) is provided as Appendix D.

Remediation activities of the impacted area, which traveled across the temporary pit, was conducted during soil remediation of the temporary pit, please reference the Basin Environmental Consulting *Remediation Summary and Site Closure Request*, dated March 2010.

2.0 NMOCD SITE CLASSIFICATION

According to data obtained from the New Mexico Office of the State Engineer (NMOSE), no water wells are registered in Section 30, Township 24 S, Range 30 E. A depth to groundwater reference map utilized by the NMOCD indicates groundwater should be encountered at approximately two-hundred seventy five (275) feet below ground surface (bgs). The inferred depth to groundwater in this area results in a score of zero (0) 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 #227 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)

NMOCD chloride clean-up level concentrations are site specific and are set by the NMOCD and will be 250 mg/Kg for the Poker Lake Unit # 227 release site.

3.0 SUMMARY OF SOIL ACTIVITIES

On August 6, 2009, using a hand auger, sixteen (16) soil samples (#1 @ 6 inches, #1 @ 2 ft, #2 surface, #3 surface, #4 surface, #4 @ 1 ft, #5 surface, #5 @ 1 ft, #6 surface, #6 @ 1 ft, #7 surface, #7 @ 1 ft, #8 surface, #8 @ 1 ft, #9 surface and #9 @ 6 inches) were collected and submitted to Cardinal Laboratories of Hobbs, New Mexico for analysis. All soil samples were analyzed for concentrations of chlorides using EPA method 4500. The analytical results indicated chlorides concentrations ranged from 48 mg/Kg in soil sample “#6 @ 1 ft” to 19,600 mg/Kg in soil sample “#2 surface”. Soil samples “#1 @ 6 inches”, “#1 @ 2 ft”, “#5 surface”, “#5 @ 1 ft” and “#9 surface” were submitted to the laboratory for total petroleum hydrocarbon (TPH) analysis using EPA SW 846-8015M. The analytical results indicated TPH concentrations ranged from less than the laboratory method detection limit (MDL) of 10 mg/Kg in soil sample “#5 @ 1 ft” and “#9 surface” to 7,860 mg/Kg in soil sample “#1 @ 2 ft”. Soil samples “#1 @ 2 ft” and “#9 surface” were submitted to the laboratory for benzene, toluene, ethylbenzene and xylenes (BTEX) analysis using EPA SW 846-8021b. The analytical results indicated all BTEX constituent concentrations were below the laboratory MDL for soil sample “#9 surface”. Soil sample “#1 @ 2ft” exhibited a benzene concentration of 1.30 mg/Kg and a BTEX concentration of 19.51 mg/Kg. Table 1 summarizes the concentrations of BTEX, TPH and Chlorides in Soil. Analytical reports are provided as Appendix B.

On August 27, 2009, using a hand auger, sixteen soil samples (Pit 1 Surface, Pit 1 1 ft, Pit 2 Surface, Pit 2 9 inches, Pit 3 Surface, Pit 3 1 ft, Pit 4 Surface, Pit 4 14 inches, Pit 5 Surface, Pit 5 1 ft, Pit 6 Surface, Pit 6 6 inches, Pit 7 Surface, Pit 7 6 inches, Pit 8 Surface and Pit 8 6 inches) were collected and submitted to the laboratory for chloride analysis. The analytical results indicated chloride concentrations ranged from 80 mg/Kg in soil sample “Pit 2 9 inches” to 44,400 mg/Kg in soil sample “Pit 6 Surface”.

On October 1, 2009, using a hand auger, ten (10) soil samples (Pit Baseline, Road Baseline, Run off Baseline, Run off #1 Sample #6, Run off #1 Sample #2, Run off #1 Sample #10, TB #7 1 ft bgs, TB #7 2 ft bgs, TB #7 3 ft bgs and Run off #2 Sample #1) were collected and submitted for analysis. All soil samples were analyzed for concentrations of chlorides using EPA method 4500. The analytical results indicated chlorides concentrations ranged from less than the laboratory MDL of 16 mg/Kg in soil samples “Pit Baseline” and “Run off Baseline” to 27,600 mg/Kg in soil sample “Run off #1 Sample #2”. Soil samples “TB #1 1 ft bgs”, “TB #7 2 ft bgs” and “TB #7 3 ft bgs” were submitted to the laboratory for TPH analysis. The analytical results indicated TPH concentrations ranged from 548 mg/Kg in soil sample “TB #7 1 ft bgs” to 3,960 mg/Kg in soil sample “TB #7 3 ft bgs”. Soil sample “TB #7 3 ft” bgs was submitted to the laboratory for BTEX analysis. The analytical results indicated soil sample “TB #7 1 ft” exhibited a benzene concentration of 0.609 mg/Kg and a BTEX concentration of 19.589 mg/Kg.

On October 21, 2009, using a backhoe, four (4) background soil samples (Background 2 ft, Background 5 ft, Background 9 ft and Background 11 ft) were collected and submitted for

chloride analysis. The analytical results indicated chloride concentrations ranged from 16 mg/Kg in soil samples "Background 2 ft" and "Background 5 ft" to 96 mg/Kg in soil sample "Background 11 ft".

On December 15, 2009, six (6) soil samples (BF-1, BF-2, BF-3, BF-4, BF-5 and BF-6) were collected from the locally obtained soil and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated the chloride concentrations ranged from 32 mg/Kg for soil samples BF-1, BF-3 and BF-4 to 208 mg/Kg for soil sample BF-6. Based on the analytical results the soil was deemed suitable for use as backfill material.

On January 20 and 21, 2010, Basin began soil delineation activities of the impacted area located inside the tank battery containment area and across the caliche pad. Six (6) soil borings (SB-1 through SB-6) were advanced on the caliche pad of the tank battery to vertically and horizontally investigate the extent of soil impact. Soil boring logs are provided as Appendix A. Soil samples were collected at five (5) foot drilling intervals and field screened for chloride concentrations using a chloride field screening kit. Selected soil samples were submitted to the laboratory for determination of BTEX, TPH and chloride concentrations.

Soil boring SB-1 was located inside the containment area in the northeast corner of the tank battery and was advanced to a total depth of approximately twenty five (25) feet bgs. Soil samples collected at the surface, five (5) feet bgs, ten (10) feet bgs and fifteen (15) feet bgs were submitted to the laboratory. The analytical results indicated benzene concentrations were less than the appropriate laboratory method detection limit (MDL) for all the submitted soil samples. BTEX concentrations ranged from less than the appropriate laboratory MDL for the soil samples collected at ten (10) feet bgs and fifteen (15) feet bgs to 0.608 mg/Kg for the soil sample collected at the surface. TPH concentrations ranged from 81.9 mg/Kg in the soil sample collected at fifteen (15) feet bgs to 1,739 mg/Kg for the soil sample collected at the surface. Chloride concentrations ranged from 48 mg/Kg in the soil sample collected at fifteen (15) feet bgs to 4,160 mg/Kg in the soil sample collected at the surface.

Soil boring SB-2 was located in the pooling area at the north end of the caliche tank battery pad and was advanced to a total depth of approximately fifteen (15) feet bgs. Soil samples collected at two (2) feet bgs and five (5) feet bgs were submitted to the laboratory. The analytical results indicated benzene, BTEX and TPH concentrations were less than the appropriate laboratory MDL for both soil samples. Chloride concentrations ranged from 416 mg/Kg in the soil sample collected at five (5) feet bgs to 5,360 mg/Kg in the soil samples collected at two (2) feet bgs.

Soil boring SB-3 was located approximately eighty (80) feet south of SB-2 on the west side of the caliche tank battery pad and was advanced to a total depth of approximately fifteen (15) feet bgs. Soil samples collected at two (2) and five (5) feet bgs were submitted to the laboratory. The analytical results indicated benzene, BTEX and TPH concentrations were less than the appropriate laboratory MDL for both soil samples. Chloride concentrations ranged from 32 mg/Kg in the soil sample collected at five (5) feet bgs to 160 mg/Kg in the soil sample collected at two (2) feet bgs.

Soil boring SB-4 was located approximately eighty two (82) feet south of SB-3 on the west side of the caliche tank battery pad and was advanced to a total depth of approximately fifteen (15) feet bgs. Soil samples collected at two (2) feet bgs and five (5) feet bgs were submitted to the

laboratory. The analytical results indicated benzene, BTEX and TPH concentrations were less than the appropriate laboratory MDL for both soil samples. Chloride concentrations ranged from 112 mg/Kg in the soil sample collected at five (5) feet bgs to 1,470 mg/Kg in the soil sample collected at two (2) feet bgs.

Soils boring SB-5 was located on the south end of the caliche pad approximately twenty two (22) feet north of a direct bury electric cable. The direct bury electric cable travels from the power pole across the caliche pad to the tank battery. The soil boring was advanced to a total depth of approximately fifteen (15) feet bgs. Soil samples collected at two (2) feet bgs and five (5) feet bgs were submitted to the laboratory. The analytical results indicated benzene, BTEX and TPH concentrations were less than the appropriate laboratory MDL for both soil samples. Chloride concentrations ranged from less than the laboratory MDL in the soil sample collected at five (5) feet bgs to 1,100 mg/Kg in the soil sample collected at two (2) feet bgs.

Soil boring SB-6 was located approximately forty two (42) feet east of SB-4 and was advanced to a total depth of approximately fifteen (15) feet bgs. Soil samples collected at two (2) feet bgs and five (5) feet bgs were submitted to the laboratory. The analytical results indicated benzene, BTEX and TPH concentrations were less than the appropriate laboratory MDL for both soil samples. Chloride concentrations ranged from 176 mg/Kg in the soil sample collected at five (5) feet bgs to 3,440 mg/Kg in the soil sample collected at two (2) feet bgs.

On January 22, 2010, during a meeting with NMOCD Artesia District Office and BOPCO representatives it was determined the impacted soil located on the caliche pad would be excavated and backfilled based on chloride field test results due to the area being located on an active tank battery pad with numerous vehicles traveling across the location.

On January 26, 2010, Basin commenced soil excavation activities in the areas defined by and including soil borings SB-2 through SB-6. Excavation activities were not conducted in the area represented by soil boring SB-1 due to it being located inside the containment area of an active tank battery. Excavation activities commenced on the south side of the caliche pad approximately twenty (20) feet north of the direct bury cable. Eight (8) soil samples (Sample 101 @ 2.5', Sample 102 @ 2.5', Sample 103 @ 2.5', Sample 104 @ 2.5', Sample 105 @ 2', Sample 106 @ 3', Sample 107 @ 2.5' and Sample 108 @ 6.5') were collected from the excavated area and field screened for concentrations of chlorides. The soil samples were submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Chloride field tests were conducted on the above referenced soil samples and the excavation was backfilled. Chloride field tests indicated the chloride concentrations ranged from less than 100 mg/Kg for soil samples Sample 102 @ 2.5', Sample 105 @ 2', Sample 107 @ 2.5' and Sample 108 @ 6.5' to 220 mg/Kg for soil samples Sample 103 @ 2.5' and Sample 106 @ 3'. Based on the chloride field tests results the excavation was backfilled with locally obtained, non-impacted soil represented by the soil samples collected on December 15, 2009.

The eight (8) soil samples (Sample 101 @ 2.5', Sample 102 @ 2.5', Sample 103 @ 2.5', Sample 104 @ 2.5', Sample 105 @ 2', Sample 106 @ 3', Sample 107 @ 2.5' and Sample 108 @ 6.5') were submitted to the laboratory for determination of BTEX, TPH and chloride constituent concentrations. Laboratory analytical results indicated benzene, BTEX and TPH concentrations were less than the appropriate laboratory MDL for all the submitted soil samples. Chloride concentrations ranged from 16 mg/Kg for soil sample Sample 102 @ 2.5' to 400 mg/Kg for soil

sample Sample 106 @ 3'. Review of the analytical results indicated all the soil samples were less than the NMOCD regulatory standards for concentrations of benzene, BTEX and chlorides with the exception of soil sample Sample 106 @ 3' which exceeded chloride concentrations.

The final dimensions of the excavation located on the caliche pad measured approximately two hundred fifty four (254) feet in length, ranging from approximately twenty three (23) feet to fifty eight (58) feet in width and approximately two (2) to six and a half (6.5) feet in depth. Approximately 1,620 cubic yards of soil was transported to Controlled Recovery, Inc. (CRI) (NMOCD Order # R9166) for disposal.

On January 26, 2010, Basin commenced delineation activities of the runoff area that traveled from the tank battery across the temporary closed pit and on to the pasture. Nine (9) soil samples (6B Surface, 6B @ 1', 7B Surface, 7B @ 1', 7B @ 2', 8B Surface, 8B @ 1', 9B Surface and 9B @ 1') were collected from the runoff area adjacent to the temporary pit. The soil samples were submitted to the laboratory for analysis of chloride concentration. Laboratory analytical results indicated chloride concentrations ranged from less than the laboratory MDL for soil samples 8B Surface, 9B Surface and 9B @ 1' to 2,960 mg/Kg for soil sample 7B @ 2'.

Pursuant to a NMOCD request, further delineation was conducted in the runoff area as defined by soil samples 6B, 7B, 8B and 9B.

On February 1, 2010, four (4) delineation trenches were advanced in the area of soil samples 6B, 7B, 8B and 9B to investigate the vertical extent of impacted soil at the site. Sixteen (16) soil samples (6B @ 2', 6B @ 3', 6B @ 4', 7B @ 3', 7B @ 4', 7B @ 5', 7B @ 6', 8B @ 2', 8B @ 3', 8B @ 4', 8B @ 5', 8B @ 6', 8B @ 7', 9B @ 2', 9B @ 3' and 9B @ 4') were collected from the delineation trenches and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from 64 mg/Kg for soil sample 9B @ 4' to 1,700 mg/Kg for soil sample 6B @ 2'.

On February 15, 2010, Basin commenced excavation activities in the runoff area as defined by the above referenced delineation trenches. Approximately 1,760 cubic yards (cy) of soil was transported to Lea Land, LLC (NMOCD Permit # WM-01-035) for disposal. The final dimensions of the excavation were approximately two hundred forty (240) feet in length and ranging from approximately twenty six (26) to fifty five (55) feet in width and approximately three (3) to seven (7) feet in depth.

On February 15 through 19, 2010, twenty (20) soil samples (West Wall 3.5', 9 Floor @ 3.5', 9 South Side Wall @ 3.5', 9 North Side Wall @ 3.5', 8 Floor @ 7', 8 North Side Wall @ 6.5', 8 South Side Wall @ 6.5', 8 West Side Wall @ 6.5', 8 Northeast Corner @ 6.5', 8 Northeast Corner @ 4.5', 8 southeast Floor @ 5', 7 Floor @ 5.5', 7 South Side Wall @ 5', 7 North Side Wall @ 4', 6 Floor @ 3.5', 6 South Side Wall @ 3', 6 North Side Wall @ 3', Northeast Floor @ 4.5', North Side Wall @ 3.5' and South Side Wall @ 4) were collected from the excavation and submitted to the laboratory for determination of BTEX, TPH and chloride constituent concentrations. Laboratory analytical results indicated benzene, BTEX and TPH concentrations were less than the appropriate laboratory MDL for all the submitted soil samples. Laboratory analytical results indicated chloride concentrations ranged from 16 mg/Kg for soil sample 8 Northeast Corner @ 4.5' to 240 mg/Kg for soil sample 8 West Side Wall @ 6.5'. A review of the

analytical results indicated benzene, BTEX, TPH and chloride concentrations were less than the appropriate NMOCD regulatory standards for the site.

On February 18, 2010, two (2) soil samples (Topsoil-1 and Topsoil-2) were collected from the stockpiled overburden soil and submitted to the laboratory for determination of BTEX, TPH and chloride constituent concentrations. Laboratory analytical results indicated BTEX and TPH concentrations were less than the laboratory MDL for both soil samples. Chloride concentrations were 80 mg/Kg for soil sample Topsoil-1 and 96 mg/Kg for soil sample Topsoil-2. Based on the analytical results, the soil was deemed suitable for use as backfill material.

On February 26, 2010, Basin commenced backfilling activities at the site. The excavation was backfilled with the stockpiled soil represented by soil samples Topsoil-1 and Topsoil-2 and with locally purchased non-impacted soil. The excavation was backfilled and compacted in twelve (12) inch lifts. Following the backfilling activities the site was contoured to fit the surrounding topography. On May 14, 2010, the site was seeded with BLM #1 and #2 seed mixture, as approved by the BLM.

4.0 QA/QC PROCEDURES

4.1 Soil Sampling

Soil Samples were delivered to Cardinal Laboratories, in Hobbs, New Mexico, for BTEX, TPH and/or chloride analyses using the methods described below. Soil samples were analyzed for BTEX and/or TPH concentrations within fourteen (14) days following the collection date using the methods described below. Soil samples were analyzed for chloride concentrations within twenty-eight (28) days following the collection date using the method described below.

The soil samples were analyzed as follows:

- BTEX concentrations in accordance with EPA Method 8021B, 5030
- TPH concentrations in accordance with modified EPA Method 8015M GRO/DRO
- Chloride concentrations in accordance with EPA Method 4500

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 (COC) form. These procedures were either transmitted with the laboratory reports or are on file at the laboratory.

5.0 SOIL CLOSURE REQUEST

Based on the analytical results of confirmation soil samples, Basin recommends BOPCO provide the NMOCD Artesia District Office and the BLM Carlsbad Office a copy of this Remediation Summary and Site Closure Request and request the NMOCD grant closure to the Poker Lake Unit 227 release site.

LIMITATIONS

Basin Environmental Consulting, LLC has prepared this Remediation Summary and Soil Closure Request 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. 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.

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Figure 1
Site Location Map

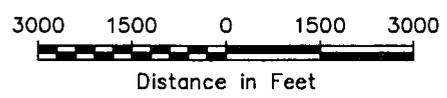
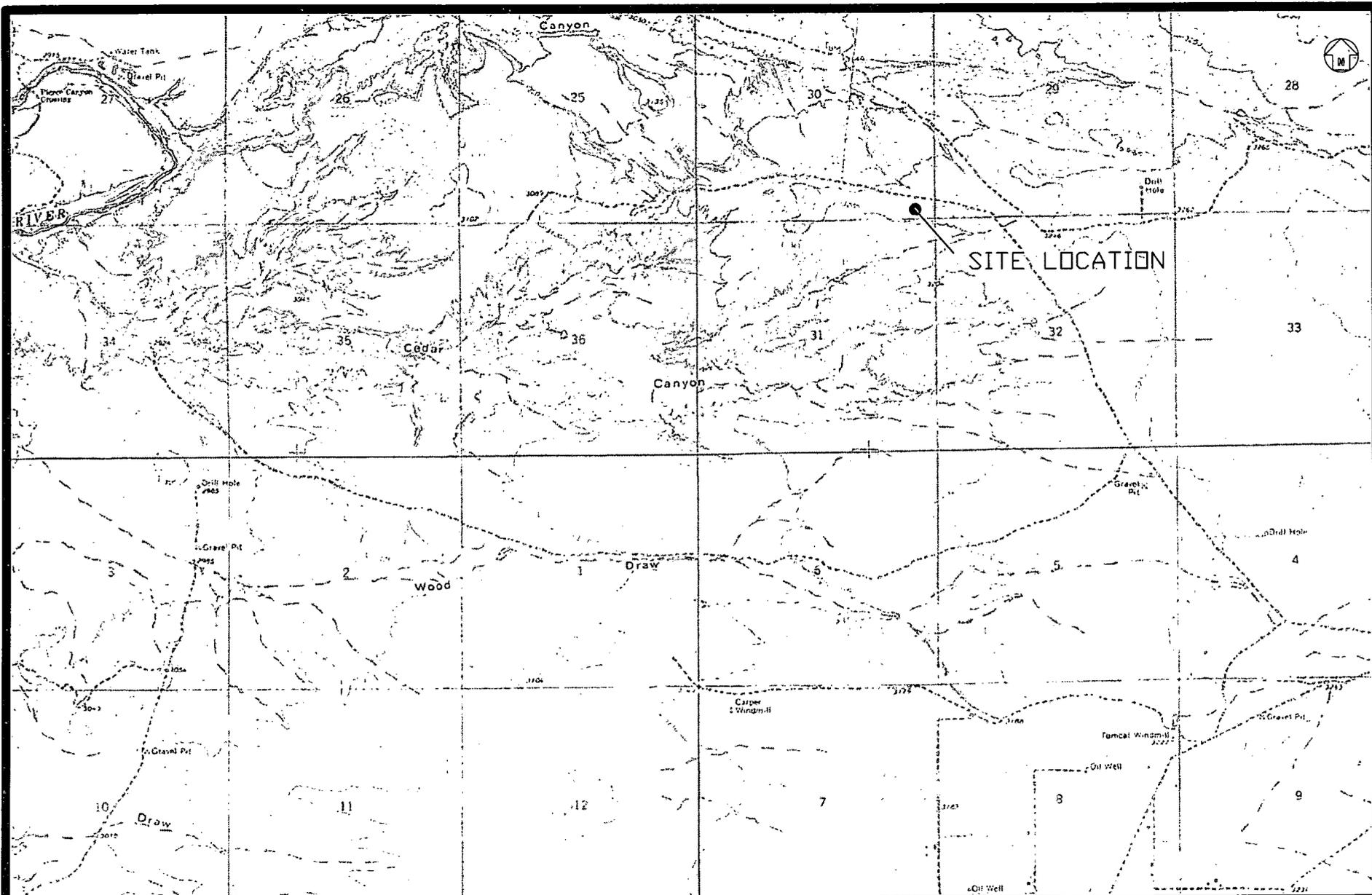


Figure 1
Site Location Map
BOPCO, LP
Poker Lake Unit #227
Eddy County, New Mexico
2RP-348

Basin Environmental Service Technologies

Prep By: CDS	Checked By: CDS
October 29, 2009	Scale 1"=3000'

Figure 2
Site and Sample Location Map
(Tank Battery)



Meter Run

PP •
Sample 108

Sample 107

PP •

SB-3

Sample 105

Sample 104

Sample 103

SB-4

Sample 106

Sample 102

Camera

Berm

SB-5

Sample 101

PP •

Control Panel

Load Line

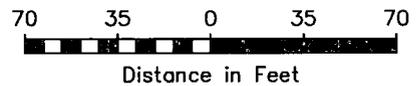
SB-1

Direct Bury Cable

Direct Bury Cable

Berm

Injection Well



Road

LEGEND:

- Soil Sample Location
- Excavation Extent
- SB-1 □ Soil Boring Location

Figure 2
Site and Sample Location Map
BOPCO
Poker Lake #227
Tank Battery Area
Eddy County, NM

2RP-348

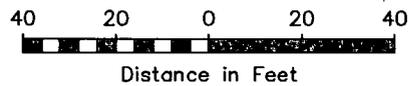
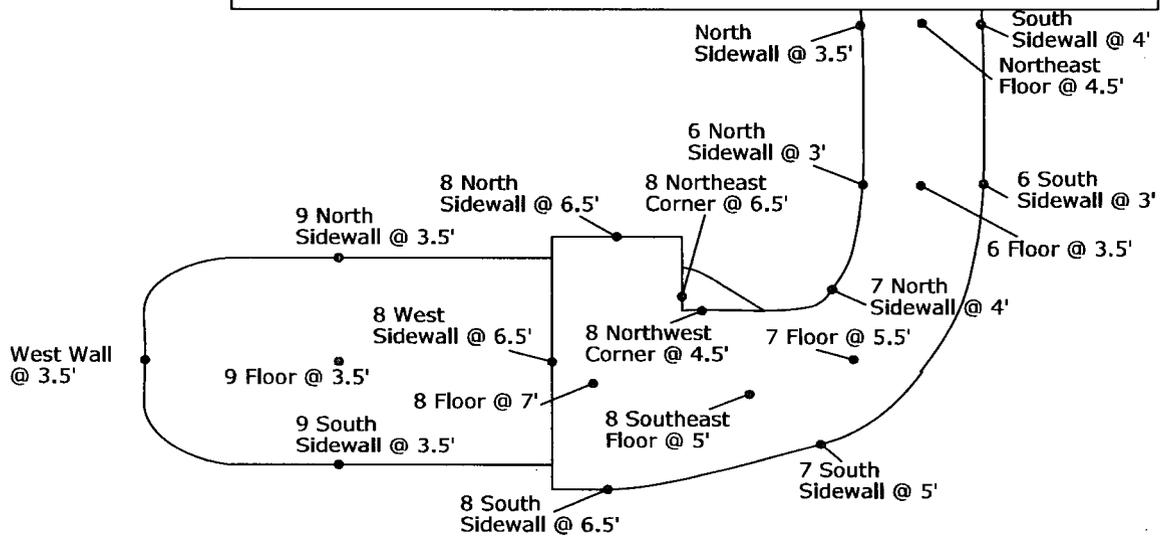
Basin Environmental Consulting

Scale: 1" = 70'	Drawn By: CDS	Prepared By: CDS
May 18, 2010		

Figure 3
Site and Sample Location Map
(Runoff Area)



Pit



LEGEND:

- Soil Sample Location
- Excavation Extent

Figure 3
Site and Sample Location Map
BOPCO
Poker Lake #227
Run-off Area
Eddy County, NM

2RP-348

Basin Environmental Consulting

Scale: 1" = 40'	Drawn By: CDS	Prepared By: CDS
May 18, 2010		

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

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDES IN SOIL

BOPCO, LP
 POKER LAKE UNIT 227
 EDDY COUNTY, NEW MEXICO
 NMOCD REFERENCE # 2RP-348

SAMPLE LOCATION	SAMPLE DEPTH (Below Grade Surface)	SAMPLE DATE	METHOD: EPA SW 846-8021B, 5030					SW 848-8015M					4500 Cl B 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 ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	DRO EXT. C ₂₈ -C ₃₅ (mg/Kg)	TOTAL TPH C ₆ -C ₂₈ (mg/Kg)	TOTAL TPH C ₆ -C ₃₅ (mg/Kg)	
#1 @ 6"	6 Inches	08/06/09	-	-	-	-	-	905	2,990	-	3,895	-	2,080
#1 @ 2 FT.	2 Feet	08/06/09	1.3	3.99	3.22	11	19.51	1,260	6,600	-	7,860	-	2,520
#2 SURFACE	Surface	08/06/09	-	-	-	-	-	-	-	-	-	-	19,600
#3 SURFACE	Surface	08/06/09	-	-	-	-	-	-	-	-	-	-	13,000
#4 SURFACE	Surface	08/06/09	-	-	-	-	-	-	-	-	-	-	11,600
#4 @ 1'	1 Foot	08/06/09	-	-	-	-	-	-	-	-	-	-	3,040
#5 SURFACE	Surface	08/06/09	-	-	-	-	-	<50.0	3,430	-	3,430	-	9,700
#5 @ 1'	1 Foot	08/06/09	-	-	-	-	-	<10.0	<10.0	-	<10.0	-	2,840
#6 SURFACE	Surface	08/06/09	-	-	-	-	-	-	-	-	-	-	18,000
#6 @ 1'	1 Foot	08/06/09	-	-	-	-	-	-	-	-	-	-	48
#7 SURFACE	Surface	08/06/09	-	-	-	-	-	-	-	-	-	-	12,400
#7 @ 1'	1 Foot	08/06/09	-	-	-	-	-	-	-	-	-	-	832
#8 SURFACE	Surface	08/06/09	-	-	-	-	-	-	-	-	-	-	19,000
#8 @ 1'	1 Foot	08/06/09	-	-	-	-	-	-	-	-	-	-	288
#9 SURFACE	Surface	08/06/09	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	-	<10.0	-	16,600
#9 @ 6"	6 Inches	08/06/09	-	-	-	-	-	-	-	-	-	-	320
PIT 1 SURFACE	Surface	08/27/09	-	-	-	-	-	-	-	-	-	-	31,200
PIT 1 1'	1 Foot	08/27/09	-	-	-	-	-	-	-	-	-	-	10,600
PIT 2 SURFACE	Surface	08/27/09	-	-	-	-	-	-	-	-	-	-	880
PIT 2 9"	9 Inches	08/27/09	-	-	-	-	-	-	-	-	-	-	80
PIT 3 SURFACE	Surface	08/27/09	-	-	-	-	-	-	-	-	-	-	10,800
PIT 3 1'	1 Foot	08/27/09	-	-	-	-	-	-	-	-	-	-	3,920
PIT 4 SURFACE	Surface	08/27/09	-	-	-	-	-	-	-	-	-	-	4,240
PIT 4 14"	14 Inches	08/27/09	-	-	-	-	-	-	-	-	-	-	5,280
PIT 5 SURFACE	Surface	08/27/09	-	-	-	-	-	-	-	-	-	-	16,800
PIT 5 1'	1 Foot	08/27/09	-	-	-	-	-	-	-	-	-	-	9,600
PIT 6 SURFACE	Surface	08/27/09	-	-	-	-	-	-	-	-	-	-	44,400
PIT 6 6"	6 Inches	08/27/09	-	-	-	-	-	-	-	-	-	-	10,400
PIT 7 SURFACE	Surface	08/27/09	-	-	-	-	-	-	-	-	-	-	4,560
PIT 7 6"	6 Inches	08/27/09	-	-	-	-	-	-	-	-	-	-	16,800
PIT 8 SURFACE	Surface	08/27/09	-	-	-	-	-	-	-	-	-	-	9,400

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDES IN SOIL

BOPCO, LP
 POKER LAKE UNIT 227
 EDDY COUNTY, NEW MEXICO
 NMOCD REFERENCE # 2RP-348

SAMPLE LOCATION	SAMPLE DEPTH (Below Grade Surface)	SAMPLE DATE	METHOD: EPA SW 846-8021B, 5030					SW 848-8015M					4500 Cl B 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 ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	DRO EXT. C ₂₈ -C ₃₅ (mg/Kg)	TOTAL TPH C ₆ -C ₂₈ (mg/Kg)	TOTAL TPH C ₆ -C ₃₅ (mg/Kg)		
PIT 8 6"	6 Inches	08/27/09	-	-	-	-	-	-	-	-	-	-	-	4,400
PIT BASE LINE	Surface	10/01/09	-	-	-	-	-	-	-	-	-	-	-	<16
ROAD BASE LINE	Surface	10/01/09	-	-	-	-	-	-	-	-	-	-	-	4,960
RUN OFF BASE LINE	Surface	10/01/09	-	-	-	-	-	-	-	-	-	-	-	<16
RUN OFF #1 SAMPLE #6	Surface	10/01/09	-	-	-	-	-	-	-	-	-	-	-	6,480
RUN OFF #1 SAMPLE # 2	Surface	10/01/09	-	-	-	-	-	-	-	-	-	-	-	27,600
RUN OFF #1 SAMPLE #10	Surface	10/01/09	-	-	-	-	-	-	-	-	-	-	-	13,800
TB # 7 1' BGS	1 Foot	10/01/09	-	-	-	-	-	128	420	-	548	-	-	-
TB #7 2' BGS	2 Feet	10/01/09	-	-	-	-	-	875	2,400	-	3,275	-	-	-
TB #7 3' BGS	3 Feet	10/01/09	0.609	3.4	3.68	11.9	19.589	1,150	2,810	-	3,960	-	-	1,380
RUN OFF #2 SAMPLE #1	Surface	10/01/09	-	-	-	-	-	-	-	-	-	-	-	10,400
RUN OFF #2 SAMPLE #5	Surface	10/01/09	-	-	-	-	-	-	-	-	-	-	-	7,800
RUN OFF #2 SAMPLE #10	Surface	10/01/09	-	-	-	-	-	-	-	-	-	-	-	6,500
BACKGROUND 2'	2 Feet	10/21/09	-	-	-	-	-	-	-	-	-	-	-	16
BACKGROUND 5'	5 Feet	10/21/09	-	-	-	-	-	-	-	-	-	-	-	16
BACKGROUND 9'	9 Feet	10/21/09	-	-	-	-	-	-	-	-	-	-	-	32
BACKGROUND 11'	11 Feet	10/21/09	-	-	-	-	-	-	-	-	-	-	-	96
BF 1	Backfill	12/15/09	-	-	-	-	-	-	-	-	-	-	-	32
BF 2	Backfill	12/15/09	-	-	-	-	-	-	-	-	-	-	-	48
BF 3	Backfill	12/15/09	-	-	-	-	-	-	-	-	-	-	-	32
BF 4	Backfill	12/15/09	-	-	-	-	-	-	-	-	-	-	-	32
BF 5	Backfill	12/15/09	-	-	-	-	-	-	-	-	-	-	-	128
BF 6	Backfill	12/18/09	-	-	-	-	-	-	-	-	-	-	-	208
SB-1 Surface	Surface	01/20/10	<0.050	<0.050	0.779	0.608	1.387	81	1,470	188	-	1,739	-	4,160
SB-1 @ 5'	5 Feet	01/20/10	<0.050	<0.050	0.199	0.389	0.588	18.1	614	65.4	-	697.5	-	2,800
SB-1 @ 10'	10 Feet	01/20/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	115	<10.0	-	115	-	192
SB-1 @ 15'	15 Feet	01/20/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	81.9	<10.0	-	81.9	-	48
SB-2 @ 2'	2 Feet	01/20/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	-	5,360

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDES IN SOIL

BOPCO, LP
 POKER LAKE UNIT 227
 EDDY COUNTY, NEW MEXICO
 NMOCD REFERENCE # 2RP-348

SAMPLE LOCATION	SAMPLE DEPTH (Below Grade Surface)	SAMPLE DATE	METHOD: EPA SW 846-8021B, 5030					SW 848-8015M					4500 Cl B 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 ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	DRO EXT. C ₂₈ -C ₃₅ (mg/Kg)	TOTAL TPH C ₆ -C ₂₈ (mg/Kg)	TOTAL TPH C ₆ -C ₃₅ (mg/Kg)	
SB-2 @ 5'	5 Feet	01/20/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	416
SB-3 @ 2'	2 Feet	01/21/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	160
SB-3 @ 5'	5 Feet	01/21/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	32
SB-4 @ 2'	2 Feet	01/21/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	1,470
SB-4 @ 5'	5 Feet	01/21/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	112
SB-5 @ 2'	2 Feet	01/21/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	1,100
SB-5 @ 5'	5 Feet	01/21/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	<16
SB-6 @ 2'	2 Feet	01/21/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	3,440
SB-6 @ 5'	5 Feet	01/21/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	176
Sample 101 @ 2.5'	2.5 Feet	01/25/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	80
Sample 102 @ 2.5'	2.5 Feet	01/25/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	16
Sample 103 @ 2.5'	2.5 Feet	01/25/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	224
Sample 104 @ 2.5'	2.5 Feet	01/25/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	128
Sample 105 @ 2'	2 Feet	01/25/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	32
Sample 106 @ 3'	3 Feet	01/27/09	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	400
Sample 107 @ 2.5'	2.5 Feet	01/29/09	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	80
Sample 108 @ 6.5'	6.5 Feet	01/29/09	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	64
6B Surface	Surface	01/26/10	-	-	-	-	-	-	-	-	-	-	176
6B @ 1'	1 Foot	01/26/10	-	-	-	-	-	-	-	-	-	-	560
7B Surface	Surface	01/26/10	-	-	-	-	-	-	-	-	-	-	816
7B @ 1'	1 Foot	01/26/10	-	-	-	-	-	-	-	-	-	-	736
7B @ 2'	2 Feet	01/26/10	-	-	-	-	-	-	-	-	-	-	2,960
8B Surface	Surface	01/26/10	-	-	-	-	-	-	-	-	-	-	<16
8B @ 1'	1 Foot	01/26/10	-	-	-	-	-	-	-	-	-	-	64
9B Surface	Surface	01/26/10	-	-	-	-	-	-	-	-	-	-	<16
9B @ 1'	1 Foot	01/26/10	-	-	-	-	-	-	-	-	-	-	<16
6B @ 2'	2 Feet	02/01/10	-	-	-	-	-	-	-	-	-	-	1,700
6B @ 3'	3 Feet	02/01/10	-	-	-	-	-	-	-	-	-	-	592
6B @ 4'	4 Feet	02/01/10	-	-	-	-	-	-	-	-	-	-	128

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDES IN SOIL

BOPCO, LP
 POKER LAKE UNIT 227
 EDDY COUNTY, NEW MEXICO
 NMOCD REFERENCE # 2RP-348

SAMPLE LOCATION	SAMPLE DEPTH (Below Grade Surface)	SAMPLE DATE	METHOD: EPA SW 846-8021B, 5030					SW 848-8015M					4500 Cl B
			BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL 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 ₂₈ (mg/Kg)	TOTAL TPH C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (mg/Kg)
7B @ 3'	3 Feet	02/01/10	-	-	-	-	-	-	-	-	-	-	992
7B @ 4'	4 Feet	02/01/10	-	-	-	-	-	-	-	-	-	-	1,580
7B @ 5'	5 Feet	02/01/10	-	-	-	-	-	-	-	-	-	-	176
7B @ 6'	6 Feet	02/01/10	-	-	-	-	-	-	-	-	-	-	80
8B @ 2'	2 Feet	02/01/10	-	-	-	-	-	-	-	-	-	-	672
8B @ 3'	3 Feet	02/01/10	-	-	-	-	-	-	-	-	-	-	1,470
8B @ 4'	4 Feet	02/01/10	-	-	-	-	-	-	-	-	-	-	144
8B @ 5'	5 Feet	02/01/10	-	-	-	-	-	-	-	-	-	-	640
8B @ 6'	6 Feet	02/01/10	-	-	-	-	-	-	-	-	-	-	304
8B @ 7'	7 Feet	02/01/10	-	-	-	-	-	-	-	-	-	-	160
9B @ 2'	2 Feet	02/01/10	-	-	-	-	-	-	-	-	-	-	528
9B @ 3'	3 Feet	02/01/10	-	-	-	-	-	-	-	-	-	-	272
9B @ 4'	4 Feet	02/01/10	-	-	-	-	-	-	-	-	-	-	64
West Wall @ 3.5'	3.5 Feet	02/15/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	80
9 Floor @ 3.5'	3.5 Feet	02/15/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	96
9 South Side Wall @ 3.5'	3.5 Feet	02/15/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	176
9 North Side Wall @ 3.5'	3.5 Feet	02/15/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	112
8 Floor @ 7'	7 Feet	02/16/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	48
8 North Side Wall @ 6.5'	6.5 Feet	02/16/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	48
8 South Side Wall @ 6.5'	6.5 Feet	02/16/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	64
8 West Side Wall @ 6.5'	6.5 Feet	02/16/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	240
8 Northeast Corner @ 6.5'	6.5 Feet	02/16/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	144
8 Northeast Corner @ 4.5'	4.5 Feet	02/16/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	16
8 Southeast Floor @ 5'	5 Feet	02/17/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	192
7 Floor @ 5.5'	5.5 Feet	02/17/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	176
7 South Side Wall @ 5'	5 Feet	02/17/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	128
7 North Side Wall @ 4'	4 Feet	02/17/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	96
6 Floor @ 3.5'	3.5 Feet	02/18/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	112
6 South Side Wall @ 3'	3 Feet	02/18/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	80
6 North Side Wall @ 3'	3 Feet	02/18/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	64
Northeast Floor @ 4.5'	4.5 Feet	02/19/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	32

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDES IN SOIL

BOPCO, LP
 POKER LAKE UNIT 227
 EDDY COUNTY, NEW MEXICO
 NMOCD REFERENCE # 2RP-348

SAMPLE LOCATION	SAMPLE DEPTH (Below Grade Surface)	SAMPLE DATE	METHOD: EPA SW 846-8021B, 5030					SW 848-8015M					4500 Cl B
			BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL 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 ₂₈ (mg/Kg)	TOTAL TPH C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (mg/Kg)
North Side Wall @ 3.5'	3.5 Feet	02/19/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	128
South Side Wall @ 4'	4 Feet	02/19/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	48
Topsoil - 1	N/A	02/18/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	80
Topsoil - 2	N/A	02/18/10	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	-	<10.0	96

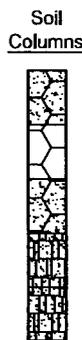
Appendices

Appendix A
Soil Boring Logs

Soil Boring SB-1

Soil Boring SB-1

Depth below ground surface



Soil Columns	Chloride Field Test	PID Reading
	2,424	183
	1,976	410
	220	96.5
	ND	15.7
	220	8.2
	396	4.6

Petroleum Odor	Petroleum Stain
Slight	None
Heavy	Heavy
Slight	None
None	None
None	None
None	None

Soil Description

Surface - Sand, brown with gravel, moist
 0 - 5' - Sand, brown, fine grained with caliche nodules, moist with organics
 5 - 10' - Caliche, tan, soft, dry
 10 - 15' - Sand, tan, fine grained with caliche nodules, dry
 15 - 20' - Sand, tan, fine grained with sandstone, dry
 20 - 25' - Sand, tan, very fine grained with sandstone, dry

Date Drilled January 20, 2010
 Thickness of Bentonite Seal 25 Ft
 Depth of Exploratory Boring 25 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.

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 #227
 Eddy County, New Mexico

Basin Environmental Consulting

Prep By: CDS

Checked By: CJB

April 30, 2010

Soil Boring SB-2

Soil Boring SB-2

Depth
below
ground
surface



Soil Columns	Chloride Field Test Reading	PID Reading
	1,976	15.8
	356	8.7
	160	5.0
	188	4.6

Petroleum Odor	Petroleum Stain
None	None

Soil Description
 Surface - 2' - Sand, brown and caliche, dry
 2 - 5' - Caliche, white, dry
 5 - 15' - Sand, tan, very fine grained with caliche nodules, dry

Date Drilled January 20, 2010
 Thickness of Bentonite Seal 15 Ft
 Depth of Exploratory Boring 15 Ft logs
 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.

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-2

BOPCO
 Poker Lake #227
 Eddy County, New Mexico

Basin Environmental Consulting

Prep By: CDS

Checked By: CJB

April 30, 2010

Soil Boring SB-3

Soil Boring SB-3

Depth
below
ground
surface



Soil Columns	Chloride Field Test	PID Reading	Petroleum Odor	Petroleum Stain
	<100	9.7	None	None
	ND	8.8	None	None
	188	6.2	None	None
	132	23.7	None	None

Soil Description

Surface - 2' - Sand, brown, fine grained and caliche, dry with some organics
 2 - 5' - Sand, tan with caliche nodules, dry
 5 - 15' - Sand, tan, very fine grained with caliche nodules, dry

Date Drilled January 20, 2010
 Thickness of Bentonite Seal 15 Ft
 Depth of Exploratory Boring 15 Ft logs
 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.

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-3

BOPCO
 Poker Lake #227
 Eddy County, New Mexico

Basin Environmental Consulting

Prep By: CDS	Checked By: CJB
April 30, 2010	

Soil Boring SB-4

Soil Boring SB-4

Depth below ground surface



Soil Columns	Chloride Field Test Reading	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description
	<100	9.7	None	None	Surface - 2' - Sand, brown, caliche, damp with some organics
	ND	8.8	None	None	2 - 10' - Sand, white, very fine grained with caliche nodules, dry
	ND	12.6	None	None	10 - 15' - Sand, tan, very fine grained with caliche nodules, dry
	ND	0.6	None	None	

Date Drilled January 21, 2010
 Thickness of Bentonite Seal 15 Ft
 Depth of Exploratory Boring 15 Ft lbs
 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.

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-4

BOPCO
 Poker Lake #227
 Eddy County, New Mexico

Basin Environmental Consulting

Prep By: CDS

Checked By: CJB

April 30, 2010

Soil Boring SB-5

Soil Boring SB-5

Depth
below
ground
surface



Soil Columns	Chloride Field Test	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description
	856	24.9	None	None	Surface - 5' - Sand, brown, fine grained, with caliche, dry with some organics
	ND	26.5	None	None	5 - 10' - Sand, white to tan, very fine grained with caliche nodules, dry
	ND	17.2	None	None	10 - 15' - Sand, tan, very fine grained with caliche nodules, dry
	ND	18.5	None	None	

Date Drilled January 21, 2010
 Thickness of Bentonite Seal 15 Ft
 Depth of Exploratory Boring 15 Ft Lgs
 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.

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-5

BOPCO
 Poker Lake #227
 Eddy County, New Mexico

Basin Environmental Consulting

Prep By: CDS

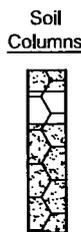
Checked By: CJB

April 30, 2010

Soil Boring SB-6

Soil Boring SB-6

Depth
below
ground
surface



Soil Columns	Chloride Field Test Reading	PID Reading
	>2,500	28.7
	188	28.5
	ND	20.6
	ND	22.3

Petroleum Odor	Petroleum Stain
None	None

Soil Description

Surface - 2' - Sand, brown with caliche, dry with some organics
 2 - 5' - Sand, white, fine grained with caliche nodules, dry
 5 - 15' - Sand, tan, very fine grained with caliche nodules, dry

Date Drilled: January 21, 2010
 Thickness of Bentonite Seal: 15 Ft
 Depth of Exploratory Boring: 15 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.

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-6

BOPCO
 Poker Lake #227
 Eddy County, New Mexico

Basin Environmental Consulting

Prep By: CDS	Checked By: CJB
April 30, 2010	

Appendix B

Analytical Reports



**ARDINAL
LABORATORIES**

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

August 12, 2009

Tony Savoie
B.O.P.C.O. LP
522 West Mermod, Suite 704
Carlsbad, NM 88220

Re: CPL-09-02 (Unit 227)

Enclosed are the results of analyses for sample number H17934, received by the laboratory on 08/06/09 at 3:20 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.

Total Number of Pages of Report: 6 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director

This report conforms with NELAP requirements.



ARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR
B.O.P.C.O. LP
ATTN: TONY SAVOIE
522 WEST MERMOD, SUITE 704
CARLSBAD, NM 88220

Receiving Date: 08/06/09
Reporting Date: 08/07/09
Project Number: CPL-09-02
Project Name: UNIT 227
Project Location: WEST OF CARLSBAD

Analysis Date: 08/07/09
Sampling Date: 08/06/09
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 5°C
Sample Received By: ML
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H17934-1	#1 @ 6"	2,080
H17934-2	#1 @ 2 FT.	2,520
H17934-3	#2 SURFACE	19,600
H17934-4	#3 SURFACE	13,000
H17934-5	#4 SURFACE	11,600
H17934-6	#4 @ 1'	3,040
H17934-7	#5 SURFACE	9,700
H17934-8	#5 @ 1'	2,840
H17934-9	#6 SURFACE	18,000
H17934-10	#6 @ 1'	48
H17934-11	#7 SURFACE	12,400
H17934-12	#7 @ 1'	832
H17934-13	#8 SURFACE	19,000
H17934-14	#8 @ 1'	288
H17934-15	#9 SURFACE	16,600
H17934-16	#9 @ 6"	320
Quality Control		490
True Value QC		500
% Recovery		98.0
Relative Percent Difference		< 0.1

METHOD: Standard Methods 4500-ClB

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


Chemist


Date

H17934 BOPCO

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 analysis. 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.



ARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR
B.O.P.C.O. LP
ATTN: TONY SAVOIE
522 WEST MERMOD, SUITE 704
CARLSBAD, NM 88220

Receiving Date: 08/06/09
Reporting Date: 08/11/09
Project Number: CPL-09-02
Project Name: UNIT 227
Project Location: WEST OF CARLSBAD, NM

Sampling Date: 08/06/09
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 5°C
Sample Received By: ML
Analyzed By: AB

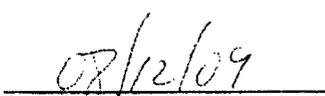
LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₃) (mg/kg)
ANALYSIS DATE:		08/10/09	08/10/09
H17934-1	#1 @ 6"	905	2,990
H17934-2	#1 @ 2 FT	1,260	6,600
H17934-7	#5 SURFACE	<50.0	3,430
H17934-8	#5 @ 1'	<10.0	<10.0
H17934-15	#9 SURFACE*	<10.0	<10.0
Quality Control		590	584
True Value QC		500	500
% Recovery		118	117
Relative Percent Difference		1.1	0.5

METHOD: SW-846 8015 M. Reported on wet weight.

Not accredited for GRO/DRO.

*Surrogate for DRO outside historical limits due to matrix interference.


Chemist


Date

H17934 T BOPCO

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.



CARDINAL LABORATORIES

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

August 30, 2009

Tony Savoie
B.O.P.C.O. LP
522 West Mermod, Suite 704
Carlsbad, NM 88220

Re: UNIT 227 TEMP. PIT

Enclosed are the results of analyses for sample number H18103, received by the laboratory on 08/27/09 at 1:15 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: 4 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director

This report conforms with NELAP requirements.



CARDINAL LABORATORIES

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

Page 1 of 2

Page ____ of ____

Company Name: <u>B.O.P.Co. hP</u>		BILL TO		ANALYSIS REQUEST											
Project Manager: <u>Tony Savoie</u>		P.O. #:													
Address: <u>522 W. Mesquod, Suite 704</u>		Company:													
City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88220</u>		Attn:													
Phone #: <u>432-556-8730</u> Fax #: <u>575-887-7473</u>		Address:													
Project #: 511227 Project Owner:		City:													
Project Name: <u>Unit 227 Temp. Pit</u>		State: Zip:													
Project Location: was <u>East of Carlsbad</u>		Phone #:													
Sampler Name: <u>Tony Savoie</u>		Fax #:													

Lab I.D.	Sample I.D.	GRAB OR (COMP)	# CONTAINERS	MATRIX						PRESERV.			SAMPLING		DATE	TIME	Chloride
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER					
H18103-1	Pit 1 Surface	G	1			✓					✓			8/27/09	0810	✓	
-2	Pit 1 1'	G	1			✓					✓			✓	0815	✓	
-3	Pit 2 Surface	G	1			✓					✓			✓	0822	✓	
-4	Pit 2 9"	G	1			✓					✓			✓	0825	✓	
-5	Pit 3 Surface	G	1			✓					✓			✓	0830	✓	
-6	Pit 3 1'	G	1			✓					✓			✓	0833	✓	
-7	Pit 4 Surface	G	1			✓					✓			✓	0833	✓	
-8	Pit 4 14"	G	1			✓					✓			✓	0837	✓	
-9	Pit 5 Surface	G	1			✓					✓			✓	0840	✓	
-10	Pit 5 1'	G	1			✓					✓			✓	0844	✓	

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.

Sampler Relinquished: <u>Tony Savoie</u>		Date: <u>8/27/09</u>	Received By: <u>[Signature]</u>		Phone Result: <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:		Time: <u>13:15</u>	Received By:		Fax Result: <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)		Temp: <u>49°</u>	Sample Condition		CHECKED BY: <u>[Signature]</u>	
Sampler - UPS - Bus - Other:			Cool Intact	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

#26



CARDINAL LABORATORIES

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

Page 202

Page ___ of ___

Company Name:		BILL TO		ANALYSIS REQUEST									
Project Manager:		P.O. #:											
Address:		Company:											
City:	State:	Zip:	Attn:										
Phone #:	Fax #:	Address:											
Project #:	Project Owner:		City:										
Project Name:		State:	Zip:										
Project Location:		Phone #:											
Sampler Name: <i>Toy Sauer</i>		Fax #:											

FOR LAB USE ONLY		GIRAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING		Chloride
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE:	ICE/COOL	OTHER:	
H18103-11	P.+ 6 Surface	G	1			✓				✓	8/27/09	0847	✓
-12	P.+ 6 6"	G	1			✓				✓	"	0850	✓
-13	P.+ 7 Surface	G	1			✓				✓	"	0854	✓
-14	P.+ 7 6"	G	1			✓				✓	"	0857	✓
-15	P.+ 8 surface	G	1			✓				✓	"	0900	✓
-16	P.+ 8 6"	G	1			✓				✓	"	0904	✓

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.

Sampler Relinquished:		Date: <i>8/27/09</i>	Received By:		Phone Result: <input type="checkbox"/>	No	Add'l Phone #:
<i>Toy Sauer</i>		Time: <i>13:15</i>	<i>Misty Lubat</i>		Fax Result: <input type="checkbox"/>	No	Add'l Fax #:
Relinquished By:		Date:	Received By:		REMARKS:		
Time:							
Delivered By: (Circle One)		Temp. <i>40°C</i>	Sample Condition		CHECKED BY:		
Sampler - UPS - Bus - Other:			Cool Intact		(Initials)		
			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<i>MLB</i>		

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

#26



ARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR
B.O.P.C.O. LP
ATTN: TONY SAVOIE
522 WEST MERMOD, SUITE 704
CARLSBAD, NM 88220
FAX TO: (575) 887-7473

Receiving Date: 08/27/09
Reporting Date: 08/28/09
Project Number: NOT GIVEN
Project Name: UNIT 227 TEMP. PIT
Project Location: EAST OF CARLSBAD

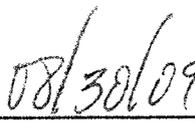
Analysis Date: 08/28/09
Sampling Date: 08/27/09
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 4°C
Sample Received By: ML
Analyzed By: NF/HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H18103-1	PIT 1 SURFACE	31,200
H18103-2	PIT 1 1'	10,600
H18103-3	PIT 2 SURFACE	880
H18103-4	PIT 2 9"	80
H18103-5	PIT 3 SURFACE	10,800
H18103-6	PIT 3 1'	3,920
H18103-7	PIT 4 SURFACE	4,240
H18103-8	PIT 4 14"	5,280
H18103-9	PIT 5 SURFACE	16,800
H18103-10	PIT 5 1'	9,600
H18103-11	PIT 6 SURFACE	44,400
H18103-12	PIT 6 6"	10,400
H18103-13	PIT 7 SURFACE	4,560
H18103-14	PIT 7 6"	16,800
H18103-15	PIT 8 SURFACE	9,400
H18103-16	PIT 8 6"	4,400
	Quality Control	500
	True Value QC	500
	% Recovery	100
	Relative Percent Difference	2.0

METHOD: Standard Methods 4500-Cl⁻B

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


Chemist


Date 08/30/09

H18103 BOPCO



ARDINAL LABORATORIES

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

October 7, 2009

Tony Savoie
B.O.P.C.O. LP
522 West Mermod, Suite 704
Carlsbad, NM 88220

Re: CLP-09-02

Enclosed are the results of analyses for sample number H18381, received by the laboratory on 10/01/09 at 5:55 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 T10-4704398-08-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.



ANALYTICAL RESULTS FOR
 B.O.P.C.O. LP
 ATTN: TONY SAVOIE
 522 WEST MERMOD, SUITE 704
 CARLSBAD, NM 88220

Receiving Date: 10/01/09
 Reporting Date: 10/05/09
 Project Number: CPL-09-02
 Project Name: POKER LAKE UNIT 227
 Project Location: POKER LAKE UNIT 227

Sampling Date: 10/01/09
 Sample Type: SOIL
 Sample Condition: INTACT @ 9°C
 Sample Received By: HM
 Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO (C ₇ -C ₁₀) (mg/kg)	DRO (C ₁₀ -C ₂₈) (mg/kg)
ANALYSIS DATE:		10/03/09	10/03/09
H18381-7*	TB #7 1' BGS	128	420
H18381-8	TB #7 2' BGS	875	2,400
H18381-9	TB #7 3' BGS	1,150	2,810
Quality Control		567	595
True Value QC		500	500
% Recovery		113	119
Relative Percent Difference		1.8	0.1

METHOD: SW-846 8015 M. Reported on wet weight.

Not accredited for GRO/DRO.

*TPH surrogates out of historical limits due to matrix interference.

 Chemist

 Date

H18381 T BOPCO



ARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR
B.O.P.C.O. LP
ATTN: TONY SAVOIE
522 WEST MERMUD, SUITE 704
CARLSBAD, NM 38220

Receiving Date: 10/01/09
Reporting Date: 10/06/09
Project Owner: BOPCO L.P. (CLP-09-02)
Project Name: POKER LAKE UNIT 227
Project Location: POKER LAKE UNIT 227

Sampling Date: 10/01/09
Sample Type: SOIL
Sample Condition: INTACT @ 9°C
Sample Received By: HM
Analyzed By: ZL

LAB NO.	SAMPLE ID	ETHYL TOTAL			
		BENZENE	TOLUENE	BENZENE	XYLENES
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
ANALYSIS DATE:		10/05/09	10/05/09	10/05/09	10/05/09
H18381-9	TB #7 3' BGS	0.609	3.40	3.68	11.9
Quality Control		0.060	0.052	0.048	0.163
True Value QC		0.050	0.050	0.050	0.150
% Recovery		120	104	96.0	109
Relative Percent Difference		<1.0	<1.0	<1.0	<1.0
METHODS: BTEX - SW-846 8021B					

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

Lab Director _____

Date _____

H18381 BTEX BOPCO

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.



ARDINAL LABORATORIES

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

October 26, 2009

Tony Savoie
B.O.P.C.O. LP
522 West Mermod, Suite 704
Carlsbad, NM 88220

Re: Poker Lake Unit #227 (CPL-09-02)

Enclosed are the results of analyses for sample number H18571, received by the laboratory on 10/26/09 at 8:40 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: 3 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director

This report conforms with NELAP requirements.



December 16, 2009

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

Re: BOPCO (Poker Lake 227)

Enclosed are the results of analyses for sample number H18886, received by the laboratory on 12/16/09 at 8:45 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: 3 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 Fax (575) 393-2476

Company Name: <u>BASIN</u>				BILL TO		ANALYSIS REQUEST																	
Project Manager: <u>CAMILLE BEHANT</u>				P.O. #:		CHLORIDES 4/500																	
Address: <u>5000 PLAINS HWY</u>				Company: <u>BOFCO</u>																			
City: <u>LOVINGTON</u>		State: <u>NM</u> Zip: <u>88260</u>		Attn: <u>TONY SANDIE</u>																			
Phone #: <u>575 396-2378</u>		Fax #: <u>575 396-1439</u>		Address:																			
Project #: <u>CP2-09-02</u>		Project Owner: <u>BOFCO</u>		City:																			
Project Name: <u>POKER LAKE 227</u>				State: Zip:																			
Project Location: <u>EDDY NM</u>				Phone #:																			
Sampler Name: <u>JODY WALTERS</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>H18886-1</u>	<u>BF 1</u>	<u>Q</u>	<u>1</u>					<u>X</u>				<u>X</u>			<u>12/15/09</u>	<u>2:00</u>	<u>X</u>						
<u>-2</u>	<u>BF 2</u>															<u>2:10</u>	<u>X</u>						
<u>-3</u>	<u>BF 3</u>															<u>2:20</u>	<u>X</u>						
<u>-4</u>	<u>BF 4</u>															<u>2:30</u>	<u>X</u>						
<u>-5</u>	<u>BF 5</u>															<u>2:40</u>	<u>X</u>						

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.

Sampler Relinquished:		Date: <u>12/16/09</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/>	No	Add'l Phone #:
Relinquished By: <u>[Signature]</u>		Time: <u>7:00</u>	Received By: <u>[Signature]</u>	Fax Result: <input type="checkbox"/>	No	Add'l Fax #:
Delivered By: (Circle One) <u>[Signature]</u>		Date: <u>12/16/09</u>	Received By: <u>[Signature]</u>	REMARKS:		
Temp. <u>10.5°</u>		Sample Condition: <u>Intact</u>	CHECKED BY: <u>[Signature]</u>	<u>CALL WALTERS</u>		
				<u>Email to Camille + Eb</u>		
				<u>RUSH</u>		



CARDINAL LABORATORIES

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

December 23, 2009

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

Re: BOPCO (Poker Lake 227)

Enclosed are the results of analyses for sample number H18919, received by the laboratory on 12/21/09 at 11:00 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.

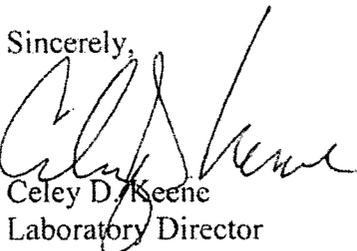
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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: 3 (includes Chain of Custody)

Sincerely,



Caley D. Keene
Laboratory Director

This report conforms with NELAP requirements.



**ARDINAL
LABORATORIES**

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

February 1, 2010

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

Re: Poker Lake #227 (BOPCO CPL-09-02)

Enclosed are the results of analyses for sample number H19139, received by the laboratory on 01/25/10 at 12:25 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: 6 (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

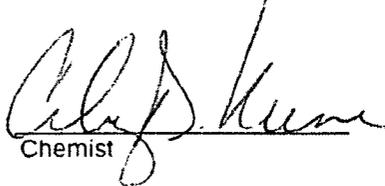
Receiving Date: 01/25/10
 Reporting Date: 01/27/10
 Project Number: CPL-09-02 (BOPCO)
 Project Name: POKER LAKE #227
 Project Location: EDDY CO., NM

Analysis Date: 01/26/10
 Sampling Date: 01/20/10 & 01/21/10
 Sample Type: SOIL
 Sample Condition: COOL & INTACT @ 2.5°C
 Sample Received By: CK
 Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H19139-1	SB-1 @ SURFACE	4,160
H19139-2	SB-1 @ 5'	2,800
H19139-3	SB-1 @ 10'	192
H19139-4	SB-1 @ 15'	48
H19139-5	SB-2 @ 2'	5,360
H19139-6	SB-2 @ 5'	416
H19139-7	SB-3 @ 2'	160
H19139-8	SB-3 @ 5'	32
H19139-9	SB-4 @ 2'	1,470
H19139-10	SB-4 @ 5'	112
H19139-11	SB-5 @ 2'	1,100
H19139-12	SB-5 @ 5'	< 16
H19139-13	SB-6 @ 2'	3,440
H19139-14	SB-6 @ 5'	176
Quality Control		510
True Value QC		500
% Recovery		102
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-ClB
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Note: Analyses performed on 1:4 w:v aqueous extracts.
 Not accredited for Chloride.


 Chemist

02/01/10
 Date

H19139 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 services. 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
ATTN: CAMILLE BRYANT
2800 PLAINS HWY
LOVINGTON, NM 88260
FAX TO: (575) 396-1429

Receiving Date: 01/25/10
Reporting Date: 02/01/10
Project Owner: BOPCO (CPL-09-02)
Project Name: POKER LAKE #227
Project Location: EDDY COUNTY, NM

Sampling Date: 01/20/10 - 01/21/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 2.5°C
Sample Received By: CK
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)
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ANALYSIS DATE		01/30/10	01/30/10	01/30/10
H19139-1	SB-1 @ SURFACE	81.0	1,470	188
H19139-2	SB-1 @ 5'	18.1	614	65.4
H19139-3	SB-1 @ 10'	<10.0	115	<10.0
H19139-4	SB-1 @ 15'	<10.0	81.9	<10.0
H19139-5	SB-2 @ 2'	<10.0	<10.0	<10.0
H19139-6	SB-2 @ 5'	<10.0	<10.0	<10.0
H19139-7	SB-3 @ 2'	<10.0	<10.0	<10.0
H19139-8	SB-3 @ 5'	<10.0	<10.0	<10.0
H19139-9	SB-4 @ 2'	<10.0	<10.0	<10.0
H19139-10	SB-4 @ 5'	<10.0	<10.0	<10.0
H19139-11	SB-5 @ 2'	<10.0	<10.0	<10.0
H19139-12	SB-5 @ 5'	<10.0	<10.0	<10.0
H19139-13	SB-6 @ 2'	<10.0	<10.0	<10.0
H19139-14	SB-6 @ 5'	<10.0	<10.0	<10.0
Quality Control		535	546	-
True Value QC		500	500	-
% Recovery		107	109	-
Relative Percent Difference		10.9	0.6	-

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



Lab Director



Date

H19139 TPHEXT BASIN

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

ANALYTICAL RESULTS FOR
BASIN ENVIRONMENTAL CONSULTING
ATTN: CAMILLE BRYANT
2800 PLAINS HWY
LOVINGTON, NM 88260
FAX TO: (575) 396-1429

Receiving Date: 01/25/10
Reporting Date: 01/27/10
Project Number: CPL-09-02 (BOPCO)
Project Name: POKER LAKE #227
Project Location: EDDY CO., NM

Sampling Date: 01/20/10 - 01/21/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 2.5 °C
Sample Received By: CK
Analyzed By: ZL

LAB NUMBER	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE		01/26/10	01/26/10	01/26/10	01/26/10
H19139-1	SB-1 @ SURFACE	<0.050	<0.050	0.779	0.608
H19139-2	SB-1 @ 5'	<0.050	<0.050	0.199	0.389
H19139-3	SB-1 @ 10'	<0.050	<0.050	<0.050	<0.300
H19139-4	SB-1 @ 15'	<0.050	<0.050	<0.050	<0.300
H19139-5	SB-2 @ 2'	<0.050	<0.050	<0.050	<0.300
H19139-6	SB-2 @ 5'	<0.050	<0.050	<0.050	<0.300
H19139-7	SB-3 @ 2'	<0.050	<0.050	<0.050	<0.300
H19139-8	SB-3 @ 5'	<0.050	<0.050	<0.050	<0.300
H19139-9	SB-4 @ 2'	<0.050	<0.050	<0.050	<0.300
H19139-10	SB-4 @ 5'	<0.050	<0.050	<0.050	<0.300
H19139-11	SB-5 @ 2'	<0.050	<0.050	<0.050	<0.300
H19139-12	SB-5 @ 5'	<0.050	<0.050	<0.050	<0.300
H19139-13	SB-6 @ 2'	<0.050	<0.050	<0.050	<0.300
H19139-14	SB-6 @ 5'	<0.050	<0.050	<0.050	<0.300
Quality Control		0.044	0.042	0.043	0.126
True Value QC		0.050	0.050	0.050	0.150
% Recovery		88.0	84.0	86.0	84.0
Relative Percent Difference		<1.0	<1.0	<1.0	<1.0

METHOD: EPA SW-846 8021B

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

Chemist

02/10/10
Date

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. Cardinal shall not 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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(575) 393-2326 Fax (575) 393-2476

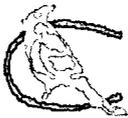
Company Name: <u>BASIN ENV. CONSULTING</u>		BILL TO		ANALYSIS REQUEST									
Project Manager: <u>CAMILLE BRYANT</u>		P.O. #:		<u>Chendax (4500)</u> <u>TPH (BOLISM EXTENDED)</u> <u>BTEX (B0216)</u>									
Address: <u>2800 PLAINS HWY</u>		Company: <u>BOPCO</u>											
City: <u>LEWINGTON</u> State: <u>NM</u> Zip: <u>88260</u>		Attn: <u>TONY SANDIE</u>											
Phone #: <u>575-645-7200</u> Fax #: <u>575-396-1429</u>		Address:											
Project #: <u>CPL-09-02</u> Project Owner: <u>BOPCO</u>		City:											
Project Name: <u>POKER LAKE #227</u>		State: Zip:											
Project Location: <u>EDDY CO, NM</u>		Phone #:											
Sampler Name: <u>Cut Study for Camille Bryant</u>		Fax #:											
FOR LAB USE ONLY													
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.		SAMPLING				
				GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE	ICE / COOL	OTHER:		
<u>H19139-</u>													
	<u>1 SB-1 @ SURFACE</u>	<u>9</u>	<u>1</u>			<u>X</u>			<u>X</u>				
	<u>2 SB-1 @ 5'</u>												
	<u>3 SB-1 @ 10'</u>												
	<u>4 SB-1 @ 15'</u>												
	<u>5 SB-2 @ 2'</u>												
	<u>6 SB-2 @ 5'</u>												
	<u>7 SB-3 @ 2'</u>												
	<u>8 SB-3 @ 5'</u>												
	<u>9 SB-4 @ 2'</u>												
	<u>10 SB-4 @ 5'</u>												

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Sampler Relinquished By: <u>C. Bryant</u>		Date: <u>1/25/10</u>	Received By: <u>C. Bryant</u>	Phone Result: <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:
Relinquished By: <u>C. Bryant</u>		Date: <u>1/25</u>	Received By: <u>C. Bryant</u>	Fax Result: <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #:
Delivered By: (Circle One) <u>UPS</u>		Temp. <u>2.5°C</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	REMARKS: <u>email C. Bryant</u>
Sampler - UPS - Bus - Other:		CHECKED BY: <u>C. Bryant</u>		

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

#26



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 Fax (575) 393-2476

Company Name: <u>BASIN ENV CONSULTING</u>		BILL TO		ANALYSIS REQUEST																
Project Manager: <u>CAMILLE BRYANT</u>		P.O. #:		<u>Chlorides (4500)</u> <u>TPH (EASIN EXTENDED)</u> <u>BTEX (E0210)</u>																
Address: <u>2800 PLAINS HWY</u>		Company: <u>BOPCO</u>																		
City: <u>LEWISTON</u> State: <u>NM</u> Zip: <u>88260</u>		Attn: <u>TONY SAUDIE</u>																		
Phone #: <u>575-605-7210</u> Fax #: <u>575-396-1429</u>		Address:																		
Project #: <u>UPL-09-02</u> Project Owner: <u>BOPCO</u>		City:																		
Project Name: <u>POKER LAKE #2-27</u>		State: Zip:																		
Project Location: <u>EDDY Co NM</u>		Phone #:																		
Sampler Name: <u>CTD for CAMILLE BRYANT</u>		Fax #:																		
FOR LAB USE ONLY																				
Lab I.D.	Sample I.D.	(GRAB OR COMP.)	# CONTAINERS	MATRIX				PRESERV.	SAMPLING											
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME						
<u>H19139-</u>																				
<u>11</u>	<u>SB-S@2</u>	<u>Q</u>	<u>1</u>			<u>X</u>				<u>X</u>			<u>1/21</u>	<u>1140</u>	<u>X</u>	<u>X</u>	<u>X</u>			
<u>12</u>	<u>SB-S@5</u>	<u>↓</u>	<u>↓</u>			<u>↓</u>				<u>↓</u>			<u>↓</u>	<u>1150</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>			
<u>13</u>	<u>SB-L@2</u>	<u>↓</u>	<u>↓</u>			<u>↓</u>				<u>↓</u>			<u>↓</u>	<u>1315</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>			
<u>14</u>	<u>SB-L@5</u>	<u>↓</u>	<u>↓</u>			<u>↓</u>				<u>↓</u>			<u>↓</u>	<u>1325</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>			

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.

Sampler Relinquished By: <u>Camille Bryant</u>		Date: <u>1/25/10</u>	Received By:	Phone Result: <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <u>for Camille Bryant</u>		Time: <u>12:25</u>	Received By: <u>Alubene</u>	Fax Result: <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)		Temp.:	Sample Condition:	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		<u>2.5°C</u>	<input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	<u>CSH</u>	
REMARKS:					

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.



ARDINAL LABORATORIES

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

February 1, 2010

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

Re: Poker Lake 227 Battery (BOPCO)

Enclosed are the results of analyses for sample number H19149, received by the laboratory on 01/26/10 at 3:15 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.



ARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR
BASIN ENVIRONMENTAL CONSULTING
ATTN: CAMILLE BRYANT
2800 PLAINS HWY
LOVINGTON, NM 88260
FAX TO: (575) 396-1429

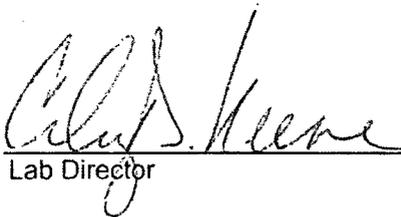
Receiving Date: 01/26/10
Reporting Date: 02/01/10
Project Owner: BOPCO
Project Name: POKER LAKE 227 BATTERY
Project Location: EDDY COUNTY, NM

Sampling Date: 01/25/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 3°C
Sample Received By: JH
Analyzed By: AB

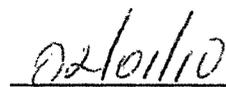
LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	DRO ext. (>C ₂₈ -C ₃₅) (mg/kg)
------------	-----------	--	--	---

ANALYSIS DATE		01/30/10	01/30/10	01/30/10
H19149-1	SAMPLE 101 2 1/2'	<10.0	<10.0	<10.0
H19149-2	SAMPLE 102 2 1/2'	<10.0	<10.0	<10.0
H19149-3	SAMPLE 103 2 1/2'	<10.0	<10.0	<10.0
H19149-4	SAMPLE 104 2 1/2'	<10.0	<10.0	<10.0
H19149-5	SAMPLE 105 2'	<10.0	<10.0	<10.0
Quality Control		535	546	-
True Value QC		500	500	-
% Recovery		107	109	-
Relative Percent Difference		10.9	0.6	-

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



Lab Director



Date

H19149 TPHEXT 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.



ARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR
BASIN ENVIRONMENTAL CONSULTING
ATTN: CAMILLE BRYANT
2800 PLAINS HWY
LOVINGTON, NM 88260
FAX TO: (575) 396-1429

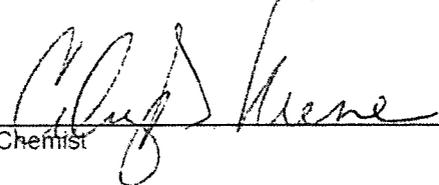
Receiving Date: 01/26/10
Reporting Date: 01/29/10
Project Number: BOPCO
Project Name: POKER LAKE 227 BATTERY
Project Location: EDDY CO., NM

Sampling Date: 01/25/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 3 °C
Sample Received By: JH
Analyzed By: ZL

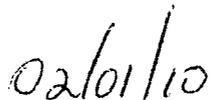
LAB NUMBER	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
	ANALYSIS DATE	01/28/10	01/28/10	01/28/10	01/28/10
H19149-1	SAMPLE 101 2-1/2 '	<0.050	<0.050	<0.050	<0.300
H19149-2	SAMPLE 102 2-1/2 '	<0.050	<0.050	<0.050	<0.300
H19149-3	SAMPLE 103 2-1/2 '	<0.050	<0.050	<0.050	<0.300
H19149-4	SAMPLE 104 2-1/2 '	<0.050	<0.050	<0.050	<0.300
H19149-5	SAMPLE 105 2'	<0.050	<0.050	<0.050	<0.300
	Quality Control	0.050	0.049	0.049	0.145
	True Value QC	0.050	0.050	0.050	0.150
	% Recovery	100	98.0	98.0	96.7
	Relative Percent Difference	2.1	2.4	2.7	3.0

METHOD: EPA SW-846 8021B

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



Chemist



Date

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.



ARDINAL LABORATORIES

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: 01/26/10
Reporting Date: 01/27/10
Project Owner: BOPCO
Project Name: POKER LAKE 227 BATTERY
Project Location: EDDY CO., NM

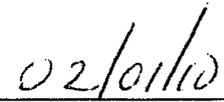
Analysis Date: 01/27/10
Sampling Date: 01/25/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 3°C
Sample Received By: JH
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H19149-1	SAMPLE 101 2 ¹ / ₂ '	80
H19149-2	SAMPLE 102 2 ¹ / ₂ '	16
H19149-3	SAMPLE 103 2 ¹ / ₂ '	224
H19149-4	SAMPLE 104 2 ¹ / ₂ '	128
H19149-5	SAMPLE 105 2'	32
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

H19149 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.



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 Fax (575) 393-2476

Company Name: <u>Basin Env. Consulting</u>		BILL TO		ANALYSIS REQUEST																	
Project Manager: <u>Camille Bryant</u>		P.O. #:																			
Address: <u>2800 Plains Hwy</u>		Company: <u>BOPCO LP</u>																			
City: <u>Lovington</u> State: <u>NM</u> Zip: <u>88260</u>		Attn: <u>Long Savoie</u>																			
Phone #: <u>575 605 7216</u> Fax #: <u>575 396 1429</u>		Address:																			
Project #: _____ Project Owner: <u>BOPCO</u>		City:																			
Project Name: <u>Poker Lake 227 Battery</u>		State: _____ Zip: _____																			
Project Location: <u>Felder Co NM</u>		Phone #:																			
Sampler Name: <u>Camille Bryant</u>		Fax #:																			
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING													
								<u>2010</u>													
Lab I.D.		Sample I.D.		GROUNDWATER		ICE / COOL		DATE		TIME											
<u>H19149-1</u>		<u>Sample 101 2 1/2'</u>		<u>X</u>		<u>X</u>		<u>11/25</u>		<u>10:00</u>											
<u>-2</u>		<u>Sample 102 0 1/2'</u>		<u>X</u>		<u>X</u>		<u>11/25</u>		<u>10:30</u>											
<u>-3</u>		<u>SAMPLE 103 0 1/2'</u>		<u>X</u>		<u>X</u>		<u>11/25</u>		<u>11:00</u>											
<u>-4</u>		<u>SAMPLE 104 2 1/2'</u>		<u>X</u>		<u>X</u>		<u>11/25</u>		<u>12:40</u>											
<u>-5</u>		<u>SAMPLE 105 2'</u>		<u>X</u>		<u>X</u>		<u>11/25</u>		<u>1:00</u>											

Chloides 4500
 BTEX 80216
 TPH 8015M & extendo

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 analysis. 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.

Sampler Relinquished: <u>Camille Bryant</u>		Date: <u>1/26</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/>	No	Add'l Phone #:
Relinquished By: <u>[Signature]</u>		Date: <u>1/26</u>	Received By: <u>Jodi Benson</u>	Fax Result: <input type="checkbox"/>	No	Add'l Fax #:
Delivered By: (Circle One) <u>Other</u>		Temp: <u>30c</u>	Sample Condition: <input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact	REMARKS:		
Sampler - UPS - Bus - <u>Other</u>			<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
			<input type="checkbox"/> Yes <input type="checkbox"/> No			
			CHECKED BY: <u>[Signature]</u>			

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

#26



ARDINAL LABORATORIES

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

February 5, 2010

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

Re: Poker Lake 227 Battery (BOPCO)

Enclosed are the results of analyses for sample number H19204, received by the laboratory on 02/02/10 at 10:50 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: 4 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director

This report conforms with NELAP requirements.



ARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR
BASIN ENVIRONMENTAL CONSULTING
ATTN: CAMILLE BRYANT
2800 PLAINS HWY
LOVINGTON, NM 88260
FAX TO: (575) 396-1429

Receiving Date: 02/02/10
Reporting Date: 02/05/10
Project Number: BOPCO, LP
Project Name: POKER LAKE 227 BATTERY
Project Location: EDDY CO., NM

Sampling Date: 01/27/10 & 01/29/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 3.5°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:		02/04/10	02/04/10	02/04/10	02/03/10	02/03/10	02/03/10	02/03/10
H19204-1	SAMPLE 106 @ 3'	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H19204-2	SAMPLE 107 @ 2.5'	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H19204-3	SAMPLE 108 @ 6.5'	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
Quality Control		527	522	-	0.050	0.053	0.057	0.162
True Value QC		500	500	-	0.050	0.050	0.050	0.150
% Recovery		105	104	-	100	106	114	108
Relative Percent Difference		0.6	1.7	-	1.2	<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

02/05/10

Date

H19204 TPHextBTEX BASIN

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ARDINAL LABORATORIES

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ANALYTICAL RESULTS FOR
BASIN ENVIRONMENTAL CONSULTING, LLC
ATTN: CAMILLE BRYANT
2800 PLAINS HWY.
LOVINGTON, NM 88260
FAX TO: (575) 396-1429

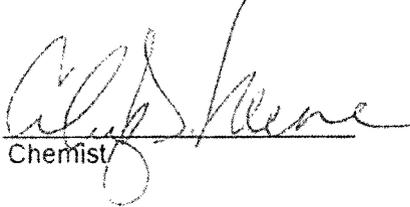
Receiving Date: 02/02/10
Reporting Date: 02/03/10
Project Owner: BOPCO, LP
Project Name: POKER LAKE 227 BATTERY
Project Location: EDDY CO., NM

Analysis Date: 02/03/10
Sampling Date: 01/27/10 & 01/29/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 3.5°C
Sample Received By: JH
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H19204-1	SAMPLE 106 @ 3'	400
H19204-2	SAMPLE 107 @ 2.5'	80
H19204-3	SAMPLE 108 @ 6.5'	64
Quality Control		510
True Value QC		500
% Recovery		102
Relative Percent Difference		2.0

METHOD: Standard Methods 4500-Cl⁻B

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


Chemist

02/05/10
Date

H19204 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.



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 Fax (575) 393-2476

Company Name: <u>Basin Env Consulting</u>		BILL TO		ANALYSIS REQUEST																					
Project Manager: <u>Camille Bryant</u>		P.O. #:		<u>4500</u> <u>TPH 8015M extended</u> <u>BTEX 8021B</u>																					
Address: <u>3800 Plains Hwy</u>		Company: <u>BOPCO, LP</u>																							
City: <u>Lovington</u> State: <u>NM</u> Zip: <u>88260</u>		Attn: <u>Tony Savoie</u>																							
Phone #: <u>(575) 605-7210</u> Fax #: <u>(575) 396-1429</u>		Address:																							
Project #: _____ Project Owner: <u>BOPCO, LP</u>		City:																							
Project Name: <u>Poker Lake 227 Battery</u>		State: _____ Zip: _____																							
Project Location: <u>Eddy Co, NM</u>		Phone #:																							
Sampler Name: <u>Camille 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											
<u>H192041</u>	<u>Sample 106 @ 3'</u>	<u>1</u>	<u>1</u>		<u>X</u>				<u>X</u>		<u>1/27</u>	<u>1050</u>	<u>X</u>	<u>X</u>	<u>X</u>										
	<u>2 Sample 107 @ 2.5'</u>	<u>1</u>	<u>1</u>		<u>X</u>				<u>X</u>		<u>1/29</u>	<u>1100</u>	<u>X</u>	<u>X</u>	<u>X</u>										
	<u>3 Sample 108 @ 6.5'</u>	<u>1</u>	<u>1</u>		<u>X</u>				<u>X</u>		<u>1/29</u>	<u>1530</u>	<u>X</u>	<u>X</u>	<u>X</u>										

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Sampler Relinquished By: <u>Camille Bryant</u>		Date: <u>2/2/10</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:
Relinquished By: <u>[Signature]</u>		Date: <u>2/2/10</u>	Received By: <u>[Signature]</u>	Fax Result: <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #:
Delivered By: (Circle One) _____		Temp: <u>3.50</u>	Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	CHECKED BY: <u>[Signature]</u>
Sampler - UPS - Bus - Other: _____		REMARKS:		

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

#26



ARDINAL LABORATORIES

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

January 29, 2010

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

Re: Poker Lake 227 Tank Battery (BOPCO)

Enclosed are the results of analyses for sample number H19162, received by the laboratory on 01/28/10 at 9:00 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: 3 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director

This report conforms with NELAP requirements.



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

Receiving Date: 01/28/10
Reporting Date: 01/29/10
Project Owner: BOPCO
Project Name: POKER LAKE 227 TANK BATTERY
Project Location: EDDY CO., NM

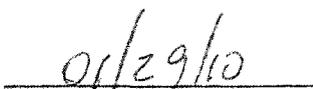
Analysis Date: 01/29/10
Sampling Date: 01/26/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 1°C
Sample Received By: JH
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H19162-1	6B SURFACE	176
H19162-2	6B @ 1'	560
H19162-3	7B SURFACE	816
H19162-4	7B @ 1'	736
H19162-5	7B @ 2'	2,960
H19162-6	8B SURFACE	< 16
H19162-7	8B @ 1'	64
H19162-8	9B SURFACE	< 16
H19162-9	9B @ 1'	< 16
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.


Chemist


Date 01/29/10

H19162 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.



CARDINAL LABORATORIES

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

February 4, 2010

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

Re: Poker Lake 227 Battery (BOPCO)

Enclosed are the results of analyses for sample number H19189, received by the laboratory on 02/01/10 at 3:15 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: 4 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director



ARDINAL LABORATORIES

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

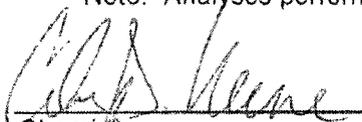
Receiving Date: 02/01/10
Reporting Date: 02/02/10
Project Owner: BOPCO
Project Name: POKER LAKE 227 BATTERY
Project Location: EDDY CO., NM

Analysis Date: 02/02/10
Sampling Date: 02/01/10
Sample Type: SOIL
Sample Condition: INTACT @ 22°C
Sample Received By: JH
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H19189-1	6B @ 2'	1,700
H19189-2	6B @ 3'	592
H19189-3	6B @ 4'	128
H19189-4	7B @ 3'	992
H19189-5	7B @ 4'	1,580
H19189-6	7B @ 5'	176
H19189-7	7B @ 6'	80
H19189-8	8B @ 2'	672
H19189-9	8B @ 3'	1,470
H19189-10	8B @ 4'	144
H19189-11	8B @ 5'	640
H19189-12	8B @ 6'	304
H19189-13	8B @ 7'	160
H19189-14	9B @ 2'	528
H19189-15	9B @ 3'	272
H19189-16	9B @ 4'	64
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		2.0

METHOD: Standard Methods 4500-Cl⁻B

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


Chemist


Date

H19189 Basin Environmental

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CARDINAL LABORATORIES

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

Company Name: <u>Basin Env Consulting</u>		BILL TO		ANALYSIS REQUEST											
Project Manager: <u>Camille Bryant</u>		P.O. #:		<div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 2em; font-weight: bold;">Chloride 4500</div>											
Address: <u>2800 Plains Hwy</u>		Company: <u>BOPCO, LP</u>													
City: <u>Lovington</u> State: <u>NM</u> Zip: <u>88260</u>		Attn: <u>Tony Savoie</u>													
Phone #: <u>(575) 605 9210</u> Fax #: <u>(575) 393-1429</u>		Address:													
Project #: _____ Project Owner: <u>BOPCO, LP</u>		City:													
Project Name: <u>Polker Lake Battery #229</u>		State: _____ Zip: _____													
Project Location: <u>Eddy Co, NM</u>		Phone #:													
Sampler Name: <u>Camille Bryant</u>		Fax #:													

FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(G)RABOR (C)OMP. # CONTAINERS	GROUNDWATER WASTEWATER	MATRIX					PRESERV			SAMPLING	
						SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	
<u>H19189-</u>															
<u>-11</u>	<u>8B05</u>			<u>6</u>	<u>1</u>	<u>X</u>							<u>2/1</u>	<u>0915</u>	<u>X</u>
<u>-12</u>	<u>8B06</u>													<u>0930</u>	
<u>-13</u>	<u>8B07</u>													<u>0935</u>	
<u>-14</u>	<u>9B02</u>													<u>02/10/00</u>	
<u>-15</u>	<u>9B03</u>													<u>02/10/00</u>	
<u>-16</u>	<u>9B04</u>													<u>10/10</u>	

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice and all costs of collections, including attorney's fees.

Sampler Relinquished By: <u>Camille Bryant</u>		Date: <u>2/1/10</u>	Received By:	Phone Result: <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: _____		Time: <u>2:15</u>	Date: <u>2/1/10</u>	Fax Result: <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Temp: <u>22°C</u>	Received By: <u>Godi Idenson</u>	REMARKS:	
		Sample Condition: <u>22°C</u>	Temp: <u>22°C</u>		
		Cool Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Checked By: <u>gjt</u>		

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

#26



**ARDINAL
LABORATORIES**

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

March 2, 2010

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

Re: Poker Lake 227 Tank Battery (BOPCO)

Enclosed are the results of analyses for sample number H19314, received by the laboratory on 02/22/10 at 8:40 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: 10 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director

This report conforms with NELAP requirements.



ARDINAL LABORATORIES

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: 02/22/10
Reporting Date: 02/22/10
Project Number: BOPCO
Project Name: POKER LAKE 227 TANK BATTERY
Project Location: EDDY CO., NM

Analysis Date: 02/22/10
Sampling Date: 02/17/10, 02/18/10 & 02/19/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 1.5°C
Sample Received By: JH
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H19314-11	8 SOUTHEAST FLOOR @ 5'	192
H19314-12	7 FLOOR @ 5.5'	176
H19314-13	7 SOUTH SIDE WALL @ 5'	128
H19314-14	7 NORTH SIDE WALL @ 4'	96
H19314-15	6 FLOOR @ 3.5'	112
H19314-16	6 SOUTH SIDE WALL @ 3'	80
H19314-17	6 NORTH SIDE WALL @ 3'	64
H19314-18	NORTHEAST FLOOR @ 4.5'	32
H19314-19	NORTH SIDE WALL @ 3.5'	128
H19314-20	SOUTH SIDE WALL @ 4.0'	48
H19314-21	TOPSOIL - 1	80
H19314-22	TOPSOIL - 2	96
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods 4500-ClB

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

Chemist

Date 03/02/10

H19314 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

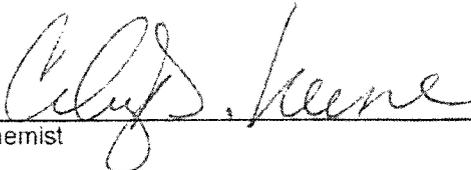
Receiving Date: 02/22/10
Reporting Date: 02/26/10
Project Owner: BOPCO
Project Name: POKER LAKE 227 TANK BATTERY
Project Location: EDDY CO., NM

Sampling Date: 02/15/10 - 02/17/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 1.5°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	02/24/10	02/24/10	02/24/10	02/24/10
H19314-1 WEST WALL 3.5'	<0.050	<0.050	<0.050	<0.300
H19314-2 9 FLOOR @ 3.5'	<0.050	<0.050	<0.050	<0.300
H19314-3 9 SOUTH SIDEWALL @ 3.5'	<0.050	<0.050	<0.050	<0.300
H19314-4 9 NORTH SIDEWALL @ 3.5'	<0.050	<0.050	<0.050	<0.300
H19314-5 8 FLOOR @ 7'	<0.050	<0.050	<0.050	<0.300
H19314-6 8 NORTH SIDEWALL @ 6.5'	<0.050	<0.050	<0.050	<0.300
H19314-7 8 SOUTH SIDEWALL @ 6.5'	<0.050	<0.050	<0.050	<0.300
H19314-8 8 WEST SIDEWALL @ 6.5'	<0.050	<0.050	<0.050	<0.300
H19314-9 8 NORTHEAST CORNER @ 6.5'	<0.050	<0.050	<0.050	<0.300
H19314-10 8 NORTHEAST CORNER @ 4.5'	<0.050	<0.050	<0.050	<0.300
H19314-11 8 SOUTHEAST FLOOR @ 5'	<0.050	<0.050	<0.050	<0.300
Quality Control	0.048	0.047	0.047	0.139
True Value QC	0.050	0.050	0.050	0.150
% Recovery	96.0	94.0	94.0	92.7
Relative Percent Difference	2.4	2.5	2.4	2.8

METHOD: EPA SW-846 8021B

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



Chemist



Date



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

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

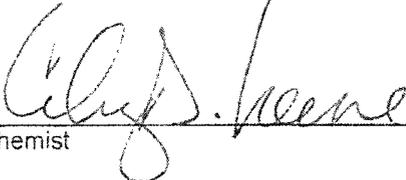
Receiving Date: 02/22/10
 Reporting Date: 02/26/10
 Project Owner: BOPCO
 Project Name: POKER LAKE 227 TANK BATTERY
 Project Location: EDDY CO., NM

Sampling Date: 02/17/10 - 02/19/10
 Sample Type: SOIL
 Sample Condition: COOL & INTACT @ 1.5°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	02/25/10	02/25/10	02/25/10	02/25/10
H19314-12 7 FLOOR @ 5.5'	<0.050	<0.050	<0.050	<0.300
H19314-13 7 SOUTH SIDEWALL @ 5'	<0.050	<0.050	<0.050	<0.300
H19314-14 7 NORTH SIDEWALL @ 4'	<0.050	<0.050	<0.050	<0.300
H19314-15 6 FLOOR @ 3.5'	<0.050	<0.050	<0.050	<0.300
H19314-16 6 SOUTH SIDEWALL @ 3'	<0.050	<0.050	<0.050	<0.300
H19314-17 6 NORTH SIDEWALL @ 3'	<0.050	<0.050	<0.050	<0.300
H19314-18 NORTHEAST FLOOR @ 4.5'	<0.050	<0.050	<0.050	<0.300
H19314-19 NORTH SIDEWALL @ 3.5'	<0.050	<0.050	<0.050	<0.300
H19314-20 SOUTH SIDEWALL @ 4.0'	<0.050	<0.050	<0.050	<0.300
H19314-21 TOPSOIL-1	<0.050	<0.050	<0.050	<0.300
H19314-22 TOPSOIL-2	<0.050	<0.050	<0.050	<0.300
Quality Control	0.056	0.056	0.056	0.165
True Value QC	0.050	0.050	0.050	0.150
% Recovery	112	112	112	110
Relative Percent Difference	2.3	1.7	1.2	0.8

METHOD: EPA SW-846 8021B

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


 Chemist


 Date

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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

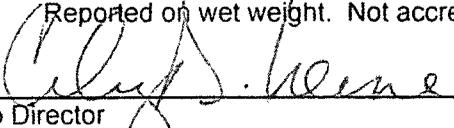
Receiving Date: 02/22/10
Reporting Date: 03/01/10
Project Owner: BOPCO
Project Name: POKER LAKE 227 TANK BATTERY
Project Location: EDDY CO., NM

Sampling Date: 02/15/10 - 02/19/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 1.5°C
Sample Received By: JH
Analyzed By: AB/CK

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)
	ANALYSIS DATE	02/27/10	02/27/10	02/27/10
H19314-1*	WEST WALL @ 3.5'	<10.0	<10.0	<10.0
H19314-2	9 FLOOR @ 3.5'	<10.0	<10.0	<10.0
H19314-3*	9 SOUTH SIDEWALL @ 3.5'	<10.0	<10.0	<10.0
H19314-4*	9 NORTH SIDEWALL @ 3.5'	<10.0	<10.0	<10.0
H19314-5*	8 FLOOR @ 7'	<10.0	<10.0	<10.0
H19314-6	8 NORTH SIDEWALL @ 6.5'	<10.0	<10.0	<10.0
H19314-7	8 SOUTH SIDEWALL @ 6.5'	<10.0	<10.0	<10.0
H19314-8	8 WEST SIDEWALL @ 6.5'	<10.0	<10.0	<10.0
H19314-9	8 NORTHEAST CORNER @ 6.5'	<10.0	<10.0	<10.0
H19314-10	8 NORTHEAST CORNER @ 4.5'	<10.0	<10.0	<10.0
H19314-11*	8 SOUTHEAST FLOOR @ 5'	<10.0	<10.0	<10.0
H19314-12*	7 FLOOR @ 5.5'	<10.0	<10.0	<10.0
H19314-13	7 SOUTH SIDEWALL @ 5'	<10.0	<10.0	<10.0
H19314-14	7 NORTH SIDEWALL @ 4'	<10.0	<10.0	<10.0
H19314-15	6 FLOOR @ 3.5'	<10.0	<10.0	<10.0
H19314-16*	6 SOUTH SIDEWALL @ 3'	<10.0	<10.0	<10.0
H19314-17	6 NORTH SIDEWALL @ 3'	<10.0	<10.0	<10.0
H19314-18	NORTHEAST FLOOR @ 4.5'	<10.0	<10.0	<10.0
H19314-19	NORTH SIDEWALL @ 3.5'	<10.0	<10.0	<10.0
H19314-20	SOUTH SIDEWALL @ 4.0'	<10.0	<10.0	<10.0
	Quality Control	459	530	-
	True Value QC	500	500	-
	% Recovery	91.8	106	-
	Relative Percent Difference	9.4	8.3	-

METHODS: TPH GRO & DRO: EPA SW-846 8015 M extended

Reported on wet weight. Not accredited for GRO/DRO/DRO Ext.


Lab Director


Date

H19314 TPHEXT BASIN

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CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 Fax (575) 393-2476

Company Name: <u>Basin Env Consulting</u>		BILL TO		ANALYSIS REQUEST											
Project Manager: <u>Carmille Bryant</u>		P.O. #:		<u>BTEX 8026</u> <u>TPH 805M EXTENDED</u> <u>Chlorides (4500)</u>											
Address: <u>2800 Plains Hwy</u>		Company: <u>BOPCO</u>													
City: <u>Lovington</u> State: <u>NM</u> Zip: <u>88260</u>		Attn: <u>Tom Sale</u>													
Phone # <u>(575) 205-7210</u> Fax # <u>(575) 396-1429</u>		Address:													
Project #: _____ Project Owner: <u>BOPCO</u>		City:													
Project Name: <u>Poker Lake 227 TANK Battery</u>		State: _____ Zip: _____													
Project Location: <u>Eddy Co, NM</u>		Phone #:													
Sampler Name: <u>Carmille Bryant</u>		Fax #:													

FOR LAB USE ONLY		(GRAB OR C/COMP. # CONTAINERS)	MATRIX						PRESERV.		SAMPLING		DATE	TIME	BTEX 8026	TPH 805M EXTENDED	Chlorides (4500)
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER						
H19314-1	West Wall 3.5'	9			X				X			2/15	0900	X	X	X	
-2	9 Floor @ 3.5'											2/15	0930				
-3	9 South sidewalk @ 3.5'											2/15	1000				
-4	9 North sidewalk @ 3.5'											2/15	1030				
-5	8 Floor @ 7'											2/16	0900				
-6	8 North sidewalk @ 6.5'											2/16	0930				
-7	8 South sidewalk @ 6.5'											2/16	1000				
-8	8 West sidewalk @ 6.5'											2/16	1030				
-9	8 Northeast Corner @ 6.5'											2/16	1100				
-10	8 Northeast Corner @ 4.5'											2/16	1130				

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Sampler Relinquished By: <u>Carmille Bryant</u>		Date: <u>2/24/10</u>	Received By: <u>Tom Sale</u>	Phone Result: <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:
Relinquished By: <u>Tom Sale</u>		Date: <u>2/22/10</u>	Received By: <u>Jodi Benson</u>	Fax Result: <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Temp: <u>1.5C</u>	Sample Condition: Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: <u>JTB</u> (Initials)
REMARKS:				

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

#26



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 Fax (575) 393-2476

Company Name: BAINBRO CONSULTING		BILL TO		ANALYSIS REQUEST											
Project Manager: CAMILLE DRYANT		P.O. #:		BILEY 8021b IPH 8015M EXTENDED Chlorides (4500)											
Address: 2800 PLAINS HWY		Company: BOPCO													
City: LOUNGTON State: NM Zip: 88260		Attn: KENYARDIE													
Phone #: 575-605-7210 Fax #: 575-396-1429		Address:													
Project #: _____ Project Owner: BOPCO		City:													
Project Name: POKER LAKE 227 BANK BATTERY		State: _____ Zip: _____													
Project Location: DOY CO, NM		Phone #:													
Sampler Name:		Fax #:													

FOR LAB USE ONLY		G/RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING															
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME													
H19314-11	8 Southeast Floor @ 5'	E1	1			X				X	2/17	1200	X	X	X												
-12	7 Floor @ 5.5'										2/17	1230															
-13	7 South sidewalk @ 5'										2/18	0900															
-14	7 North sidewalk @ 4'										2/17	1300															
-15	6 Floor @ 3.5'										2/18	0930															
-16	6 South sidewalk @ 3'										2/18	1100															
-17	6 North sidewalk @ 3'										2/18	1200															
-18	6 Northeast Floor @ 4.5'										2/19	0930															
-19	6 North sidewalk @ 3.5'										2/19	1030															
-20	6 South sidewalk @ 4.0'										2/19	1130															

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.

Sampler Relinquished By: Camille Bryant		Date: 2/22/10	Received By: SEE LOWRY	Phone Result: <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: SEE LOWRY		Date: 2/22/10	Received By: Jodi Henson	Fax Result: <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)		Temp.:	Sample Condition	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		1.5°C	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	JH	
REMARKS:					

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

#26



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 Fax (575) 393-2476

Company Name: <u>Basin Env. Consulting</u>		BILL TO		ANALYSIS REQUEST											
Project Manager: <u>Camille Bryant</u>		P.O. #:													
Address: <u>2800 Plains Hwy</u>		Company: <u>BOPCO</u>													
City: <u>Lovington</u> State: <u>NM</u> Zip: <u>88260</u>		Attn: <u>Tony Savio</u>													
Phone #: <u>(575) 605-7210</u> Fax #: <u>(575) 393-1429</u>		Address:													
Project #: _____ Project Owner: <u>BOPCO</u>		City:													
Project Name: <u>Poker Lab 227 Battery</u>		State: _____ Zip: _____													
Project Location: <u>Eddy Co. 4-M</u>		Phone #:													
Sampler Name: <u>Camille Bryant</u>		Fax #:													

FOR LAB USE ONLY		# CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME	Chloride	TPH	BTEX	Other
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER							
<u>419314-21</u>	<u>Topsoil - 1</u>	<u>C</u>			<u>X</u>				<u>X</u>			<u>2/18</u>	<u>1500</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>-22</u>	<u>Topsoil - 2</u>	<u>C</u>			<u>X</u>				<u>X</u>			<u>2/18</u>	<u>1515</u>	<u>X</u>	<u>X</u>	<u>X</u>		

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 90 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.

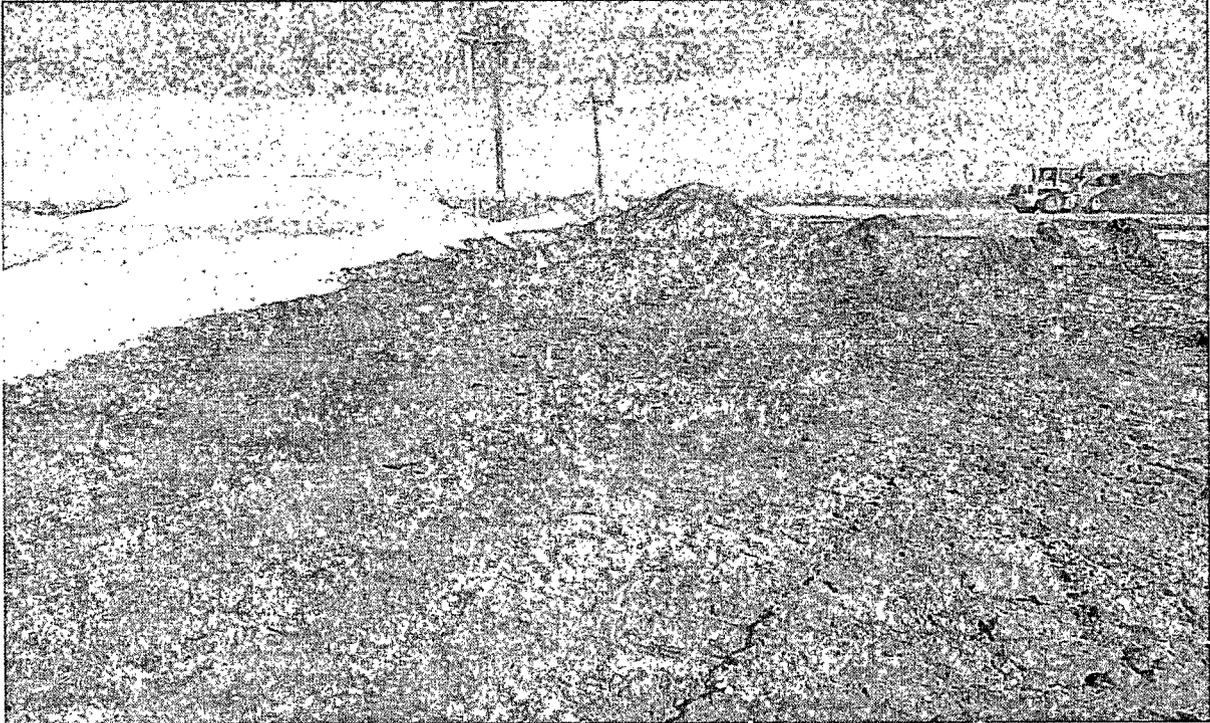
Sampler Relinquished By: <u>Camille Bryant</u>		Date: <u>2/22/10</u>	Received By: <u>Savio</u>	Phone Result: <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:
Relinquished By: <u>Savio</u>		Date: <u>2/22/10</u>	Received By: <u>Jodi Nenson</u>	Fax Result: <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Temp: <u>1.5C</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: <u>JN</u> (Initials)
REMARKS:				

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

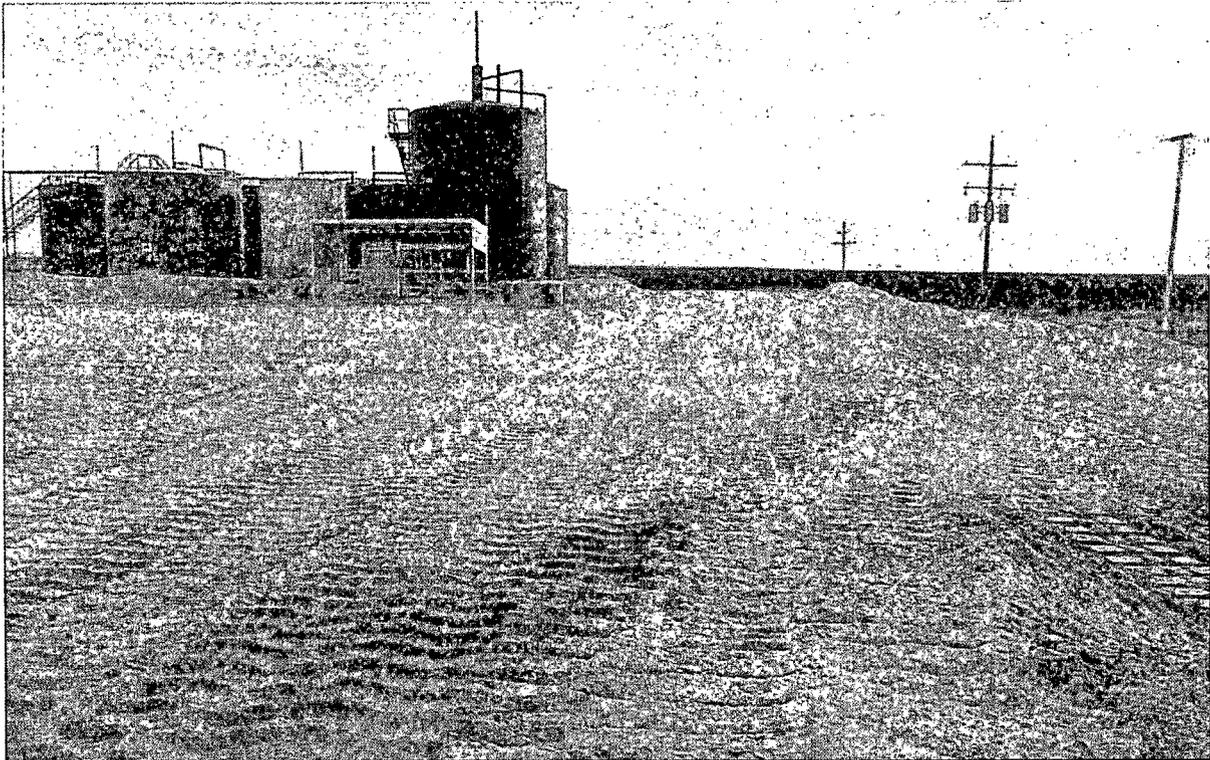
#26

Appendix C

Photographs



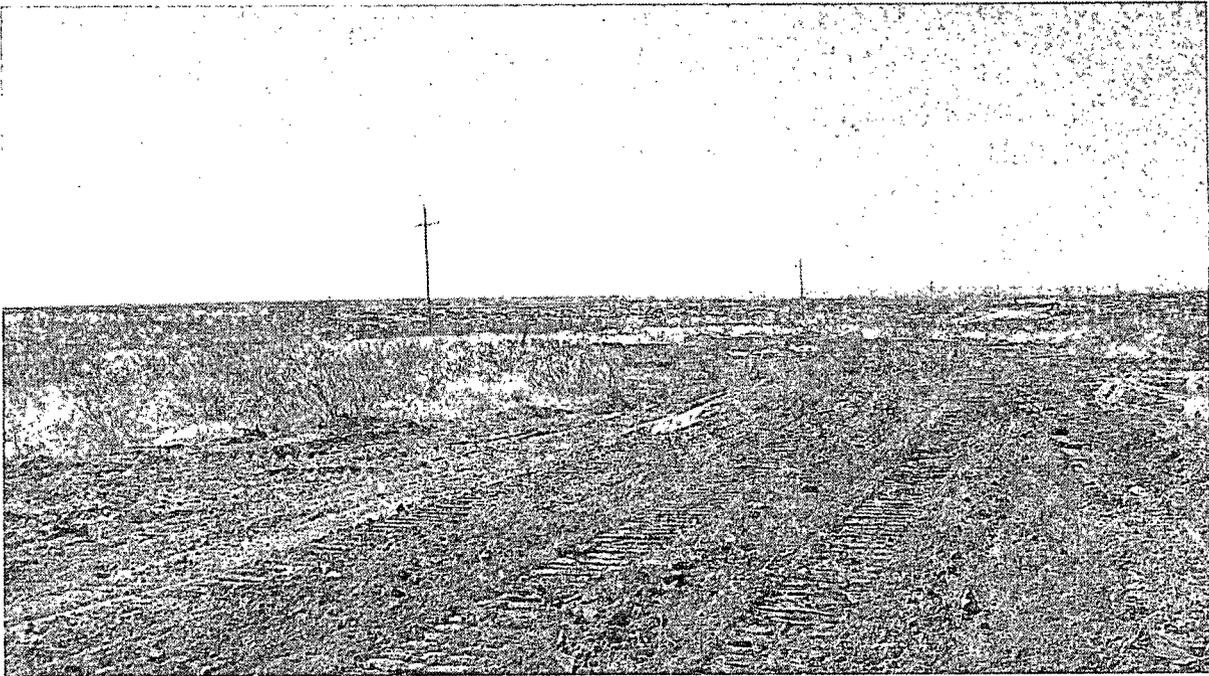
Excavation Activities on the Tank Battery at the Poker Lake 227 Release Site



Completion of Remediation Activities on the Tank Battery at the Poker Lake 227 Release Site



Excavation Activities in the Runoff Area at the Poker Lake 227 Release Site



Completion of Remediation Activities in the Runoff Area at the Poker Lake 227 Release Site

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

SEP - 1 2009

Form C-141
Revised October 10, 2003

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

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

ASEB 0928648481
SEB 0928649105
SEB 0928649268

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company BOPCO, L.P.	260737	Contact Tony Savoie
Address 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220		Telephone No. 432-556-8730
Facility Name Poker Lake Unit #227		Facility Type E&P
Surface Owner Federal	Mineral Owner Federal	Lease No.

LOCATION OF RELEASE

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

Latitude N 32.18191 Longitude W 103.91429

NATURE OF RELEASE

Type of Release: Produced water and crude oil	Volume of Release: 200 bbls produced water and less than 5 bbls crude oil	Volume Recovered: none
Source of Release: Tank Failure	Date and Hour of Occurrence: 7/30/09, Hour unknown	Date and Hour of Discovery: 7/30/09 8:00 a.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

The Produced water tank at the facility was struck by lightning. the fire burned itself out after a few minutes, all of the produced water that was left in the affected tank was removed with a vacuum truck. A portion of the berm was washed out due to the volume of water that was released.

Describe Area Affected and Cleanup Action Taken.*

The produced water traveled across a lease road, approximately 30 ft wide, across a closed temporary pit which was approximately 200 ft. wide, and into the pasture. The area affected in the pasture land covered approximately 4,700 Sq. Ft. Samples were collected from the surface and 1 ft. below the surface on 8/6/09. The temporary pit area was sampled 8/27/09.

The Site remediation for the produced water spill will follow the NMOCD guidelines for leaks and spills. Remediation of the temporary pit area will follow the NMOCD guidelines for pit closure.

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

Signature: <u>Tony Savoie</u>		OIL CONSERVATION DIVISION	
Printed Name: Tony Savoie		Approved by District Supervisor: <u>R. Daleley</u>	Remediation Actions to be completed and Final C-141 submitted with confirmation analyses/documentation on or before the Expiration Date
Title: Waste Mgmt. & Remediation Specialist		Approval Date: <u>10-13-09</u>	Expiration Date: <u>12-13-09</u>
E-mail Address: TASavoie@BassPet.com		Conditions of Approval:	
Date: 9/1/09	Phone: 432-556-8730	Attached <input checked="" type="checkbox"/>	

* Attach Additional Sheets If Necessary

pSEB 0928650769

JRP-348

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

Form C-141
Revised October 10, 2003

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

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 #227	Facility Type	E&P
Surface Owner	Federal	Mineral Owner	Federal
		Lease No.	

LOCATION OF RELEASE

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

Latitude N. 32.18191 Longitude W 103.91429.

NATURE OF RELEASE

Type of Release	Produced Water and crude oil	Volume of Release	200 bbls produced water and less than 5 bbls crude oil	Volume Recovered	none
Source of Release	Tank failure	Date and Hour of Occurrence	7/30/09, hour unknown	Date and Hour of Discovery	7/30/09 8:00 a.m.
Was Immediate Notice Given?	Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required <input checked="" type="checkbox"/>	If YES, To Whom?			
By Whom?	Date and Hour				
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* The produced water tank at the facility was struck by lightning. The fire burned itself out after a few minutes. All of the produced water that was left in the affected tank was removed with a vacuum truck. A portion of the berm was washed out due to the volume of water that was released.

Describe Area Affected and Cleanup Action Taken.* The produced water travelled across a lease road (approximately 30 ft. wide), across a closed temporary pit (approximately 200 ft. wide), and into an adjacent pasture. The area affected in the pasture measured approximately 4,700 sq. ft. The affected areas were remediated per NMOCD guidelines. Please see the attached *Remediation Summary & Site Closure Request* (prepared by Basin Environmental Consulting & dated May 2010) for details of remediation activities and laboratory analytical results from confirmation soil samples.

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

Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Ben J. Arguijo (agent on behalf of BOPCO, LP)	Approved by District Supervisor:		
Title: Project Manager, Basin Environmental	Approval Date:	Expiration Date:	
E-mail Address: bjarguijo@basinenv.com	Conditions of Approval:		Attached <input type="checkbox"/> 2RP-348
Date: 2/7/2013	Phone: (575) 396-2378		

RECEIVED
 FEB 14 2013
 NMOCD ARTESIA