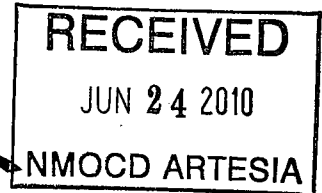
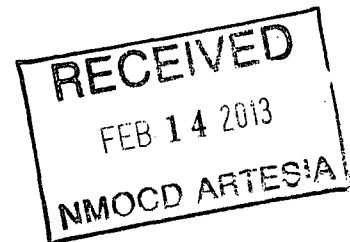


*Basin Environmental Consulting, LLC*

2800 Plains Highway  
P. O. Box 301  
Lovington, New Mexico 88260  
cjbryant@basin-consulting.com  
Office: (575) 396-2378 Fax: (575) 396-1429



**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**

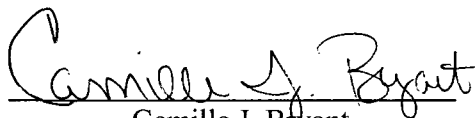
Prepared For:

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

Prepared By:

Basin Environmental Consulting, LLC  
2800 Plains Highway  
Lovington, New Mexico 88260

**May 2010**

A handwritten signature in dark ink, appearing to read "Camille J. Bryant". The signature is written in a cursive, flowing style.

Camille J. Bryant

Project Manager

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Appendix A – Soil Boring Logs

Appendix B – Analytical Reports

Appendix C - Photographs

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 @ 2 ft” 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.

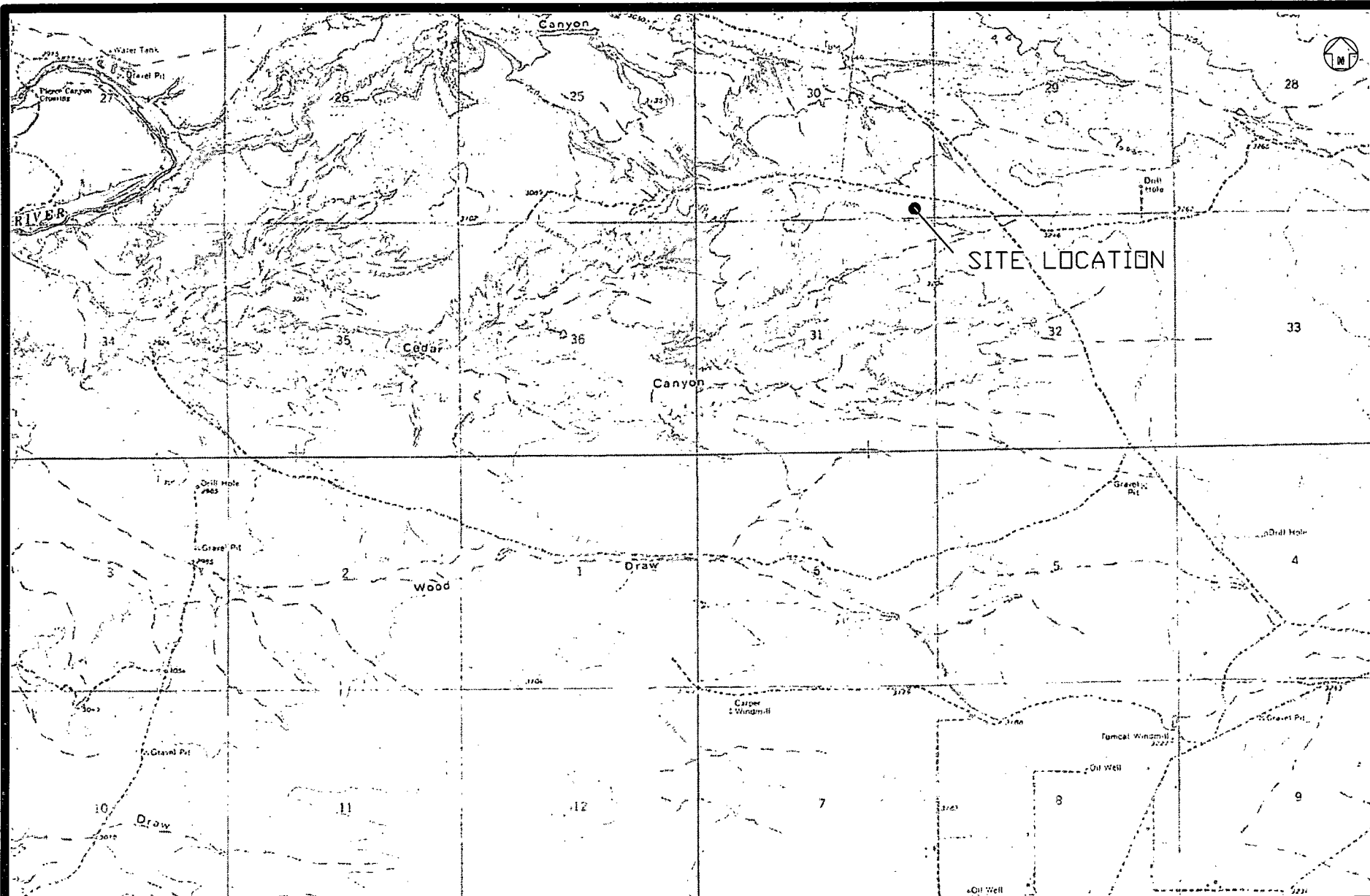
Basin Environmental Consulting, LLC has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. Basin Environmental Consulting, LLC has not conducted an independent examination of the facts contained in referenced materials and statements.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

**DISTRIBUTION:**

- Copy 1: Sherry Bonham  
New Mexico Oil Conservation Division  
District 2  
1301 W. Grand Avenue  
Artesia, New Mexico 88210
- Copy 2: James Amos  
United States Department of the Interior  
Bureau of Land Management  
620 East Greene Street  
P.O. Box 1778  
Carlsbad, New Mexico 87220
- Copy 3: Tony Savoie  
BOPCO  
522 W. Mermod, Suite 704  
Carlsbad, New Mexico 88220
- Copy 4: Basin Environmental Consulting, LLC  
P.O. Box 381  
Lovington, New Mexico 88260  
[cjbryant@basin-consulting.com](mailto:cjbryant@basin-consulting.com)

Figure 1  
Site Location Map



3000 1500 0 1500 3000  
 Distance in Feet

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  
Excavation Extents  
Sample 105

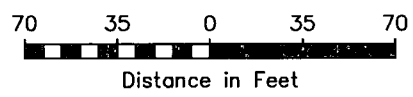
Injection Well

Sample 104  
Sample 103  
SB-4  
SB-6  
Sample 106  
Sample 102

Camera  
Berm

Control Panel  
Load Line  
SB-1  
SB-5  
Sample 101  
PP  
Direct Bury Cable  
Berm

Separators  
Treaters



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

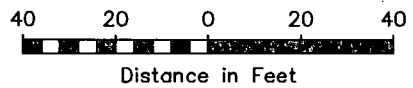
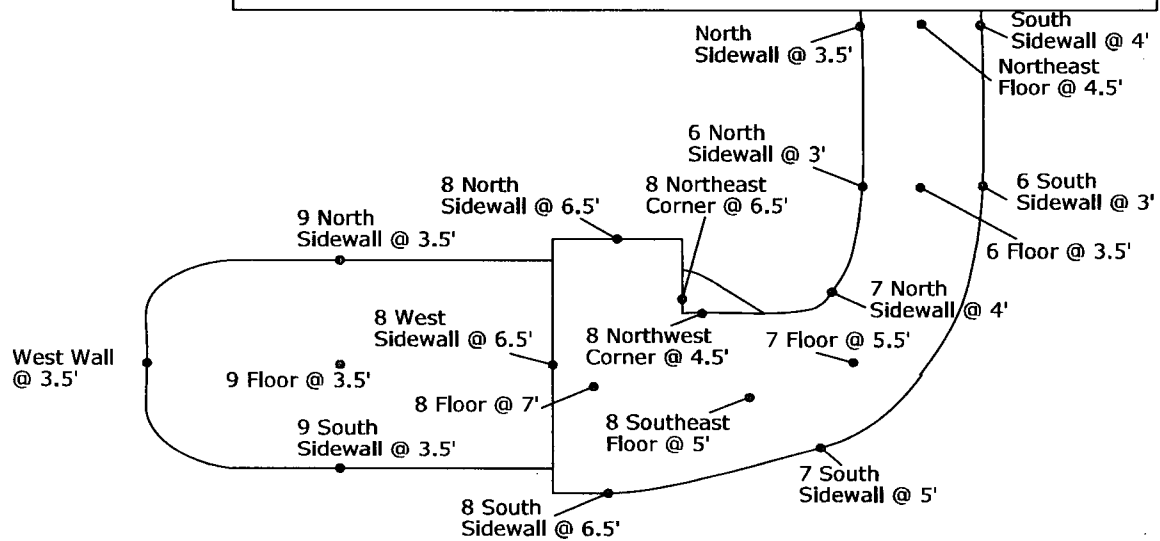
**Basin Environmental Consulting**

|                 |               |                  |
|-----------------|---------------|------------------|
| 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<br>(Below Grade Surface) | SAMPLE DATE | METHOD: EPA SW 846-8021B, 5030 |                    |                              |                             |                          | SW 848-8015M                                      |  |  |  |  | 4500 Cl B           |
|-----------------|---------------------------------------|-------------|--------------------------------|--------------------|------------------------------|-----------------------------|--------------------------|---|--|--|--|--|---------------------|
|                 |                                       |             | BENZENE<br>(mg/Kg)             | TOLUENE<br>(mg/Kg) | ETHYL-<br>BENZENE<br>(mg/Kg) | TOTAL<br>XYLENES<br>(mg/Kg) | TOTAL<br>BTEX<br>(mg/Kg) | GRO<br>C <sub>8</sub> -C <sub>10</sub><br>(mg/Kg) | DRO<br>C <sub>10</sub> -C <sub>28</sub><br>(mg/Kg) | DRO<br>EXT.<br>C <sub>28</sub> -C <sub>35</sub><br>(mg/Kg) | TOTAL<br>TPH<br>C <sub>8</sub> -C <sub>28</sub><br>(mg/Kg) | TOTAL<br>TPH<br>C <sub>8</sub> -C <sub>35</sub><br>(mg/Kg) | CHLORIDE<br>(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<br>(Below Grade Surface) | SAMPLE DATE | METHOD: EPA SW 846-8021B, 5030 |                    |                              |                             |                          | SW 848-8015M                                      |  |  |  |  | 4500 Cl B<br>CHLORIDE<br>(mg/Kg) |
|-----------------------|---------------------------------------|-------------|--------------------------------|--------------------|------------------------------|-----------------------------|--------------------------|---|--|--|--|--|----------------------------------|
|                       |                                       |             | BENZENE<br>(mg/Kg)             | TOLUENE<br>(mg/Kg) | ETHYL-<br>BENZENE<br>(mg/Kg) | TOTAL<br>XYLENES<br>(mg/Kg) | TOTAL<br>BTEX<br>(mg/Kg) | GRO<br>C <sub>6</sub> -C <sub>10</sub><br>(mg/Kg) | DRO<br>C <sub>10</sub> -C <sub>28</sub><br>(mg/Kg) | DRO<br>EXT.<br>C <sub>28</sub> -C <sub>35</sub><br>(mg/Kg) | TOTAL<br>TPH<br>C <sub>6</sub> -C <sub>28</sub><br>(mg/Kg) | TOTAL<br>TPH<br>C <sub>6</sub> -C <sub>35</sub><br>(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<br>(Below Grade Surface) | SAMPLE DATE | METHOD: EPA SW 846-8021B, 5030 |                    |                              |                             |                          | SW 848-8015M                                      |  |  |  |  | 4500 Cl B |
|-------------------|---------------------------------------|-------------|--------------------------------|--------------------|------------------------------|-----------------------------|--------------------------|---|--|--|--|--|-----------|
|                   |                                       |             | BENZENE<br>(mg/Kg)             | TOLUENE<br>(mg/Kg) | ETHYL-<br>BENZENE<br>(mg/Kg) | TOTAL<br>XYLENES<br>(mg/Kg) | TOTAL<br>BTEX<br>(mg/Kg) | GRO<br>C <sub>6</sub> -C <sub>10</sub><br>(mg/Kg) | DRO<br>C <sub>10</sub> -C <sub>28</sub><br>(mg/Kg) | DRO<br>EXT.<br>C <sub>28</sub> -C <sub>35</sub><br>(mg/Kg) | TOTAL<br>TPH<br>C <sub>6</sub> -C <sub>28</sub><br>(mg/Kg) | TOTAL<br>TPH<br>C <sub>6</sub> -C <sub>35</sub><br>(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<br>(Below<br>Grade<br>Surface) | SAMPLE<br>DATE | METHOD: EPA SW 846-8021B, 5030 |                    |                              |                             |                          | SW 848-8015M                                      |  |  |  |  | 4500 Cl B           |
|---------------------------|---|----------------|--------------------------------|--------------------|------------------------------|-----------------------------|--------------------------|---|--|--|--|--|---------------------|
|                           |   |                | BENZENE<br>(mg/Kg)             | TOLUENE<br>(mg/Kg) | ETHYL-<br>BENZENE<br>(mg/Kg) | TOTAL<br>XYLENES<br>(mg/Kg) | TOTAL<br>BTEX<br>(mg/Kg) | GRO<br>C <sub>6</sub> -C <sub>10</sub><br>(mg/Kg) | DRO<br>C <sub>10</sub> -C <sub>28</sub><br>(mg/Kg) | DRO<br>EXT.<br>C <sub>28</sub> -C <sub>35</sub><br>(mg/Kg) | TOTAL<br>TPH<br>C <sub>6</sub> -C <sub>28</sub><br>(mg/Kg) | TOTAL<br>TPH<br>C <sub>6</sub> -C <sub>35</sub><br>(mg/Kg) | CHLORIDE<br>(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<br>(Below Grade Surface) | SAMPLE DATE | METHOD: EPA SW 846-8021B, 5030 |                    |                              |                             |                          | SW 848-8015M                                      |  |  |  |  | 4500 Cl B           |
|------------------------|---------------------------------------|-------------|--------------------------------|--------------------|------------------------------|-----------------------------|--------------------------|---|--|--|--|--|---------------------|
|                        |                                       |             | BENZENE<br>(mg/Kg)             | TOLUENE<br>(mg/Kg) | ETHYL-<br>BENZENE<br>(mg/Kg) | TOTAL<br>XYLENES<br>(mg/Kg) | TOTAL<br>BTEX<br>(mg/Kg) | GRO<br>C <sub>6</sub> -C <sub>10</sub><br>(mg/Kg) | DRO<br>C <sub>10</sub> -C <sub>28</sub><br>(mg/Kg) | DRO<br>EXT.<br>C <sub>28</sub> -C <sub>35</sub><br>(mg/Kg) | TOTAL<br>TPH<br>C <sub>6</sub> -C <sub>28</sub><br>(mg/Kg) | TOTAL<br>TPH<br>C <sub>6</sub> -C <sub>35</sub><br>(mg/Kg) | CHLORIDE<br>(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

Petroleum  
Odor

Petroleum  
Stain

Soil Description

0  
5  
10  
15  
20  
25



2,424

183

Slight

None

Surface - Sand, brown with gravel, moist  
0 - 5' - Sand, brown, fine grained with caliche  
nodules, moist with organics

1,976

410

Heavy

Heavy

5 - 10' - Caliche, tan, soft, dry

220

96.5

Slight

None

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

ND

15.7

None

None

15 - 20' - Sand, tan, fine grained with sandstone,  
dry

220

8.2

None

None

20 - 25' - Sand, tan, very fine grained with  
sandstone, dry

396

4.6

None

None

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

PID  
Reading

Petroleum  
Odor

Petroleum  
Stain

Soil Description

Date Drilled January 20, 2010  
Thickness of Bentonite Seal 15 Ft  
Depth of Exploratory Boring 15 Ft logs  
Depth to Groundwater  
Ground Water Elevation

0  
5  
10  
15



1,976

15.8

None

None

Surface - 2' - Sand, brown and caliche, dry

356

8.7

None

None

2 - 5' - Caliche, white, dry

160

5.0

None

None

5 - 15' - Sand, tan, very fine grained with caliche nodules, dry

188

4.6

None

None

✓ 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

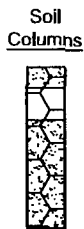
April 30, 2010

# Soil Boring SB-3

## Soil Boring SB-3

Depth  
below  
ground  
surface

0  
5  
10  
15



Chloride  
Field Test

<100

ND

188

132

9.7

8.8

6.2

23.7

Petroleum

Odor

None

None

None

None

None

Stain

None

None

None

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  
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

April 30, 2010

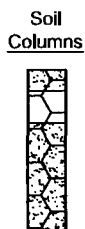
Checked By: CJB

# Soil Boring SB-4

## Soil Boring SB-4

Depth  
below  
ground  
surface

0  
5  
10  
15



Soil  
Columns

Chloride  
Field Test

PID  
Reading

Petroleum  
Odor

Petroleum  
Stain

### Soil Description

Surface - 2' - Sand, brown, caliche, damp with some organics  
2 - 10' - Sand, white, very fine grained with caliche nodules, dry  
10 - 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-4

BOPCO  
Poker Lake #227  
Eddy County, New Mexico

Basin Environmental Consulting

Prep By: CDS

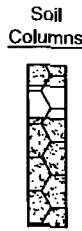
Checked By: CJB

April 30, 2010

# Soil Boring SB-5

## Soil Boring SB-5

Depth  
below  
ground  
surface



| Soil Columns | Chloride Field Test | PID Reading |
|--------------|---------------------|-------------|
| 856          | 24.9                |             |
| ND           | 26.5                |             |
| ND           | 17.2                |             |
| ND           | 18.5                |             |

| Petroleum Odor | Petroleum Stain |
|----------------|-----------------|
| None           | None            |
| None           | None            |
| None           | None            |
| None           | None            |

### Soil Description

Surface - 5' - Sand, brown, fine grained, with caliche, dry with some organics  
5 - 10' - Sand, white to tan, very fine grained with caliche nodules, dry  
10 - 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 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

April 30, 2010

Checked By: CJB

# Soil Boring SB-6

## Soil Boring SB-6

Depth  
below  
ground  
surface

Soil  
Columns

Chloride  
Field Test

PID  
Reading

Petroleum  
Odor

Petroleum  
Stain

Soil Description

0  
5  
10  
15



>2,500

28.7

188

28.5

ND

20.6

ND

22.3

None

None

None

None

None

None

None

None

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



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

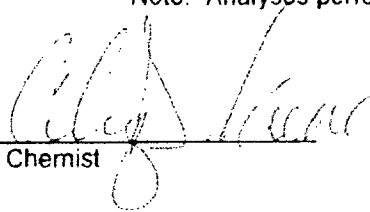
Analysis Date: 08/07/09  
Sampling Date: 08/06/09  
Sample Type: SOIL  
Sample Condition: COOL & INTACT @ 5°C  
Sample Received By: ML  
Analyzed By: HM

| LAB NO.                     | SAMPLE ID  | Cl <sup>-</sup><br>(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-Cl/B

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

  
Chemist

  
Date

H17934 BOPCO

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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<br>(C <sub>6</sub> -C <sub>10</sub> )<br>(mg/kg) | DRO<br>(>C <sub>10</sub> -C <sub>23</sub> )<br>(mg/kg) |
|------------|-----------|--|--|
|------------|-----------|--|--|

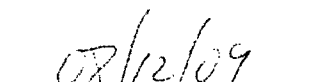
|                             |             |          |          |
|-----------------------------|-------------|----------|----------|
| ANALYSIS DATE:              |             | 08/10/09 | 08/10/09 |
| H17934-1                    | #1 @ 6"     | 905      | 2,990    |
| H17934-2                    | #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

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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: 08/10/09  
Project Number: CPL-09-02  
Project Name: UNIT 227  
Project Location: WEST OF CARLSBAD

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

| LAB NO.                     | SAMPLE ID  | ETHYL TOTAL |          |          |          |
|-----------------------------|------------|-------------|----------|----------|----------|
|                             |            | BENZENE     | TOLUENE  | BENZENE  | XYLENES  |
|                             |            | (mg/kg)     | (mg/kg)  | (mg/kg)  | (mg/kg)  |
| ANALYSIS DATE:              |            | 08/07/09    | 08/07/09 | 08/07/09 | 08/07/09 |
| H17934-2                    | #1 @ 2FT   | 1.30        | 3.99     | 3.22     | 11.0     |
| H17934-15                   | #9 SURFACE | <0.050      | <0.050   | <0.050   | <0.300   |
|                             |            |             |          |          |          |
|                             |            |             |          |          |          |
|                             |            |             |          |          |          |
|                             |            |             |          |          |          |
| Quality Control             |            | 0.047       | 0.048    | 0.048    | 0.145    |
| True Value QC               |            | 0.050       | 0.050    | 0.050    | 0.150    |
| % Recovery                  |            | 94.0        | 96.0     | 96.0     | 96.7     |
| Relative Percent Difference |            | 5.1         | 1.6      | 11.4     | 9.2      |

METHODS: BTEX - SW-846 8021B.

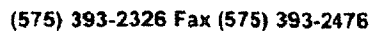
TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,  
AND TOTAL XYLENES. Reported on wet weight.

  
Chemist

  
Date

H17934 BTEX BOPCO

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Page \_\_\_\_\_ of \_\_\_\_\_

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|  |  |  |  |   |  |  |  |
|--|--|--|--|---|--|--|--|
| Sampler Relinquished:<br><i>T. Davis</i><br>Relinquished By: |  | Date: <i>16/04</i><br>Time: <i>15:20</i><br>Date: _____<br>Time: _____ |  | Received By:<br><i>Upst. Re But</i><br>Received By: |  | Phone Result: <input type="checkbox"/> No Add'l Phone #:<br>Fax Result: <input type="checkbox"/> No Add'l Fax #:<br>REMARKS: |  |
| Delivered By: (Circle One)<br>Sampler - UPS - Bus - Other:   |  | Temp.<br><i>50</i>   | Sample Condition<br>Cool Intact<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><input type="checkbox"/> Yes <input type="checkbox"/> No | CHECKED BY:<br>(Initials)<br><i>UPSB</i>            |  |  |  |

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426



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

$$20F2$$

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|  |  |  |  |  |  |
|--|--|--|--|--|--|
| Sampler Relinquished:<br>Date: 8/6/09<br>Time: 15:30<br>Relinquished By: [Signature]<br>Date:<br>Time: |  | Received By: [Signature]<br>Date:<br>Time: |  | Phone Result: <input type="checkbox"/> No<br>Fax Result: <input type="checkbox"/> No<br>Add'l Phone #:<br>Add'l Fax #:<br>REMARKS: |  |
| Delivered By: (Circle One)<br>Sampler - UPS - Bus - Other:   |  | Temp.<br>59.1                              | Sample Condition<br>Cool Intact<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><input type="checkbox"/> Yes <input type="checkbox"/> No | CHECKED BY:<br>(Initials)<br>[Signature]   |  |

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#26



# 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.

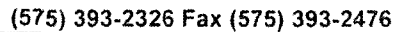
Total Number of Pages of Report: 4 (includes Chain of Custody)

Sincerely,

Celey D. Keene  
Laboratory Director

---

This report conforms with NELAP requirements.



Page 1 of 1

#26

**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

Page 202

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| Company Name:                  |           |                |                 | BILL TO      |             |            |      | ANALYSIS REQUEST |       |           |            |       |         |      |   |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------------------|-----------|----------------|-----------------|--------------|-------------|------------|------|------------------|-------|-----------|------------|-------|---------|------|---|--|--|--|--|--|--|--|--|--|--|--|--|
| Project Manager:               |           |                |                 | P.O. #:      |             |            |      |                  |       |           |            |       |         |      |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Address:                       |           |                |                 | Company:     |             |            |      |                  |       |           |            |       |         |      |   |  |  |  |  |  |  |  |  |  |  |  |  |
| City:                          |           | State:         |                 | Zip:         |             | Attn:      |      |                  |       |           |            |       |         |      |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Phone #:                       |           | Fax #:         |                 | Address:     |             | City:      |      |                  |       |           |            |       |         |      |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Project #:                     |           | Project Owner: |                 | State:       |             | Zip:       |      |                  |       |           |            |       |         |      |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Name:                  |           |                |                 | Phone #:     |             | Fax #:     |      |                  |       |           |            |       |         |      |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Location:              |           |                |                 |              |             |            |      |                  |       |           |            |       |         |      |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Sampler Name: <i>Tony Saur</i> |           |                |                 |              |             |            |      |                  |       |           |            |       |         |      |   |  |  |  |  |  |  |  |  |  |  |  |  |
| FOR LAB USE ONLY               | Lab I.D.  | Sample I.D.    | GRAB OR (C)OMP. | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | SLUDGE           | OTHER | ACID/BASE | ICE / COOL | OTHER | DATE    | TIME |   |  |  |  |  |  |  |  |  |  |  |  |  |
|                                | 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 | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |

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|                              |  |                      |   |  |  |    |                |
|------------------------------|--|----------------------|---|--|--|----|----------------|
| Sampler Relinquished:        |  | Date: <i>8/27/09</i> | Received By:  |  | Phone Result: <input type="checkbox"/> | No | Add'l Phone #: |
| <i>Tony Saur</i>             |  | Time: <i>13:15</i>   | <i>Marty Lubert</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"/> Yes |  | <i>MLB</i>                             |    |                |
|                              |  |                      | <input type="checkbox"/> No <input type="checkbox"/> No   |  |  |    |                |

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#26





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 <sup>-</sup><br>(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<sup>-</sup>B

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

  
Chemist

  
Date

H18103 BOPCO

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# ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBES, 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 5:35 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

Analysis Date: 10/02/09  
Sampling Date: 10/01/09  
Sample Type: SOIL  
Sample Condition: INTACT @ 9°C  
Sample Received By: HM  
Analyzed By: HM

| LAB NO.                     | SAMPLE ID             | Cl <sup>-</sup><br>(mg/kg) |
|-----------------------------|-----------------------|----------------------------|
| H18381-1                    | PIT BASE LINE         | < 16                       |
| H18381-2                    | ROAD BASE LINE        | 4,960                      |
| H18381-3                    | RUN OFF BASE LINE     | < 16                       |
| H18381-4                    | RUN OFF #1 SAMPLE #6  | 6,480                      |
| H18381-5                    | RUN OFF #1 SAMPLE #2  | 27,600                     |
| H18381-6                    | RUN OFF #1 SAMPLE #10 | 13,800                     |
| H18381-9                    | TB #7 3' BGS          | 1,380                      |
| H18381-10                   | RUN OFF #2 SAMPLE #1  | 10,400                     |
| H18381-11                   | RUN OFF #2 SAMPLE #5  | 7,800                      |
| H18381-12                   | RUN OFF #2 SAMPLE #10 | 6,500                      |
| Quality Control             |                       | 500                        |
| True Value QC               |                       | 500                        |
| % Recovery                  |                       | 100                        |
| Relative Percent Difference |                       | 2.0                        |

4500-CFB

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

Date \_\_\_\_\_

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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<br>(C <sub>6</sub> -C <sub>10</sub> )<br>(mg/kg) | DRO<br>(C <sub>10</sub> -C <sub>28</sub> )<br>(mg/kg) |
|-----------------------------|--------------|--|---|
|                             |              | 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

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# 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: 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

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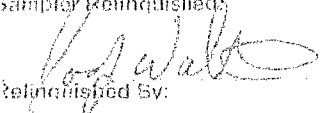

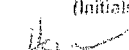
124

# CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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Page \_\_\_\_ of \_\_\_\_

|  |  |   |  |   |   |                         |                                  |  |  |  |  |  |  |  |  |  |  |
|--|--|---|--|---|---|-------------------------|----------------------------------|--|--|--|--|--|--|--|--|--|--|
| Company Name: <b>BOPCO</b><br>Project Manager: <b>Tony Savore</b><br>Address: <b>522 W. Merced Suite 204</b><br>City: <b>Carlsbad</b> State: <b>NM</b> Zip: <b>88220</b><br>Phone #: <b>505-556-8750</b> Fax #: <b>505-556-7473</b><br>Project #: <b>CPL-09-02</b> Project Owner: <b>BOPCO, L.P.</b><br>Project Name: <b>Pike Lake Unit 227</b> Email: <b>tony.savore@bopco.com</b><br>Project Location: <b>Pike Lake Unit 227</b><br>Sampler Name: <b>Bob Walters</b>   |  |   |  | <b>BILL TO</b><br>P.O. #:<br>Company:<br>Attn:<br>Address:<br>City:<br>State: Zip:<br>Phone #:<br>Fax #:  |   | <b>ANALYSIS REQUEST</b> |                                  |  |  |  |  |  |  |  |  |  |  |
| FOR LAB USE ONLY<br>Lab I.D.   |  | Sample I.D.                                 |  | MATRIX<br>GROUNDWATER<br>WASTEWATER<br>SOIL<br>OIL<br>SLUDGE<br>OTHER   | PRESERV<br>ACID-BASE<br>ICE-COOL<br>OTHER | SAMPLING<br>DATE TIME   | Ch/oxide<br>X<br>H               |  |  |  |  |  |  |  |  |  |  |
| H18381-11<br>12  |  | Runoff #2 Sample #5<br>Runoff #2 Sample #10 |  | G<br>G  | X<br>X                                    | X<br>X                  | 10-01-09 15:30<br>10-01-09 15:35 |  |  |  |  |  |  |  |  |  |  |
| LEASE NOTE: Lessee and Contractor shall be jointly and severally responsible for the cost of any and all testing and analysis required by the regulatory agency. The cost of any and all testing and analysis shall be deemed to be the responsibility of the Lessee and Contractor. The cost of any and all testing and analysis shall be deemed to be the responsibility of the Lessee and Contractor. The cost of any and all testing and analysis shall be deemed to be the responsibility of the Lessee and Contractor. |  |   |  |   |   |                         |                                  |  |  |  |  |  |  |  |  |  |  |
| Sampler Relinquished By: <br>Date: <b>10-01-09</b><br>Time: <b>5:35</b>   |  |   |  | Received By: <br>Date: _____<br>Time: _____                                   |   |                         |                                  | Phone Result: <input type="checkbox"/> No<br>Fax Result: <input type="checkbox"/> No<br>Add'l Phone #: _____<br>Add'l Fax #: _____<br>REMARKS: |  |  |  |  |  |  |  |  |  |
| Delivered By: (Circle One) <b>Temp.</b><br>Sampler - UPS - Bus - Other:  |  |   |  | Sample Condition<br>Cool Intact<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><input type="checkbox"/> No <input type="checkbox"/> No |   |                         |                                  | CHECKED BY: (Initials)<br>                                 |  |  |  |  |  |  |  |  |  |

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

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# 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)

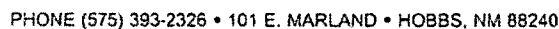
Sincerely,

Celey D. Keene  
Laboratory Director

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This report conforms with NELAP requirements.





Analysis Date: 10/26/09  
Sampling Date: 10/21/09  
Sample Type: SOIL  
Sample Condition: INTACT @ 14.5°C  
Sample Received By: ML  
Analyzed By: HM

[illegible]

4500-CIB

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

Date 10/26/09

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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Page 1 of 1

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|   |  |   |  |  |  |
|---|--|---|--|--|--|
| Sampler Relinquished By: <u>Troy Nahm</u><br>Date: <u>10/26/09</u><br>Time: <u>0900</u> |  | Received By: <u>[Signature]</u><br>Date: <u>10/26/09</u><br>Time: <u>0940</u> |  | Phone Result: <input type="checkbox"/> No Add'l Phone #: _____<br>Fax Result: <input type="checkbox"/> No Add'l Fax #: _____<br>REMARKS: _____ |  |
| Relinquished By: <u>[Signature]</u><br>Date: <u>10/26/09</u><br>Time: <u>0940</u>       |  | Received By: <u>[Signature]</u><br>Date: <u>10/26/09</u><br>Time: <u>0940</u> |  |  |  |
| Delivered By: (Circle One)<br>Sampler - UPS - Bus - Other: _____                        |  | Temp. <u>14.5°C</u>   | Sample Condition<br>Cool Intact<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><input type="checkbox"/> Yes <input type="checkbox"/> No | CHECKED BY: <u>[Signature]</u><br>(Initials)   |  |

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



# CARDINAL LABORATORIES

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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

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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: 12/16/09  
Reporting Date: 12/16/09  
Project Number: CPL-09-02 (BOPCO)  
Project Name: POKER LAKE 227  
Project Location: EDDY CO., NM

Analysis Date: 12/16/09  
Sampling Date: 12/15/09  
Sample Type: SOIL  
Sample Condition: INTACT @ 10.5°C  
Sample Received By: AB  
Analyzed By: HM

| LAB NO.                     | SAMPLE ID | Cl <sup>-</sup><br>(mg/kg) |
|-----------------------------|-----------|----------------------------|
| H18886-1                    | BF 1      | 32                         |
| H18886-2                    | BF 2      | 48                         |
| H18886-3                    | BF 3      | 32                         |
| H18886-4                    | BF 4      | 32                         |
| H18886-5                    | BF 5      | 128                        |
|                             |           |                            |
|                             |           |                            |
|                             |           |                            |
|                             |           |                            |
|                             |           |                            |
|                             |           |                            |
|                             |           |                            |
| Quality Control             |           | 500                        |
| True Value QC               |           | 500                        |
| % Recovery                  |           | 100                        |
| Relative Percent Difference |           | < 0.1                      |

**METHOD:** Standard Methods

4500-CIB

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

Chemist

Date \_\_\_\_\_

H18886 Basin Environmental

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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101 East Marland, Hobbs, NM 88240

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Page 1 of 1

|   |  |             |  |                          |  |              |  |  |  |          |  |          |  |         |  |           |  |            |  |         |  |
|---|--|-------------|--|--------------------------|--|--------------|--|--|--|----------|--|----------|--|---------|--|-----------|--|------------|--|---------|--|
| Company Name: <u>BASIN</u>                                |  |             |  | <b>BILL TO</b>           |  |              |  | <b>ANALYSIS REQUEST</b>  |  |          |  |          |  |         |  |           |  |            |  |         |  |
| Project Manager: <u>CAMILLE BEHANT</u>                    |  |             |  | P.O. #:                  |  |              |  | <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CHLORIDES 41500</div> |  |          |  |          |  |         |  |           |  |            |  |         |  |
| 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>JOHN 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 : |  |
|   |  |             |  |                          |  |              |  |  |  |          |  |          |  |         |  |           |  |            |  |         |  |
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|   |  |             |  |                          |  |              |  |  |  |          |  |          |  |         |  |           |  |            |  |         |  |
|   |  |             |  |                          |  |              |  |  |  |          |  |          |  |         |  |           |  |            |  |         |  |



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.

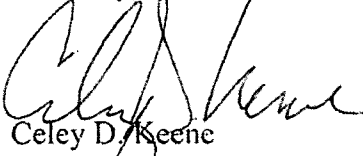
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| 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.



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

Analysis Date: 12/21/09  
Sampling Date: 12/18/09  
Sample Type: SOIL  
Sample Condition: COOL & INTACT @ 3°C  
Sample Received By: AB  
Analyzed By: HM

|  |          |
|--|----------|
| METHOD: Standard Methods                               | 4500-ClB |
| Note: Analysis performed on a 1:4 w/v aqueous extract. |          |

12/23/09

Date

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|  |  |   |   |   |  |
|--|--|---|---|---|--|
| Sampler Relinquished:<br>Date: 12/18/09<br>Time: 5:45<br>Relinquished By: <i>[Signature]</i> |  | Received By: <i>[Signature]</i><br>Date: 12/21/09<br>Time: 11:00<br>Received By: <i>[Signature]</i> |   | Phone Result: <input type="checkbox"/> No Add'l Phone #:<br>Fax Result: <input type="checkbox"/> No Add'l Fax #:<br>REMARKS:<br>CALL EA w/VERBALS<br>575 408-3150 |  |
| Delivered By: (Circle One)<br>Sampler - UPS - Bus - Other: #26                               |  | Temp. 3°C   | Sample Condition<br>Cool Intact<br><input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No <input type="checkbox"/> No | CHECKED BY:<br>(Initials) <i>[Signature]</i>  |  |





# 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.

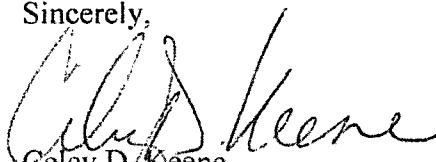
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| 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

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This report conforms with NELAP requirements.



# CARDINAL 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: 01/25/10  
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

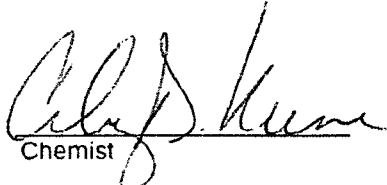
| LAB NO.                     | SAMPLE ID      | Cl <sup>-</sup><br>(mg/kg) |
|-----------------------------|----------------|----------------------------|
| H19139-1                    | SB-1 @ SURFACE | 4,160                      |
| H19139-2                    | SB-1 @ 5'      | 2,800                      |
| 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

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

Not accredited for Chloride.

  
Chemist

02/01/10  
Date

## H19139 Basin Environmental

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

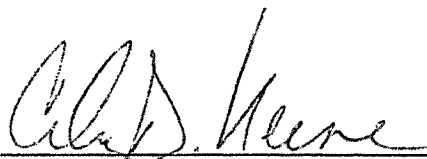
Receiving Date: 01/25/10  
Reporting Date: 02/01/10  
Project Owner: BOPCO (CPL-09-02)  
Project Name: POKER LAKE #227  
Project Location: EDDY COUNTY, NM

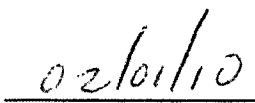
Sampling Date: 01/20/10 - 01/21/10  
Sample Type: SOIL  
Sample Condition: COOL & INTACT @ 2.5°C  
Sample Received By: CK  
Analyzed By: AB

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

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

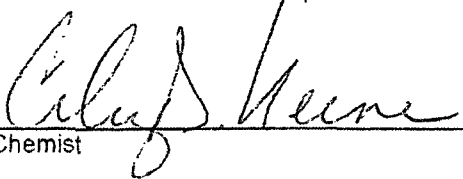
Receiving Date: 01/25/10  
Reporting Date: 01/27/10  
Project Number: CPL-09-02 (BOPCO)  
Project Name: POKER LAKE #227  
Project Location: EDDY CO., NM

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 NUMBE SAMPLE ID         | BENZENE<br>(mg/kg) | TOLUENE<br>(mg/kg) | ETHYL<br>BENZENE<br>(mg/kg) | TOTAL<br>XYLENES<br>(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.



101 East Marland, Hobbs, NM 88240

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Page 1 of 2

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

# 26



# CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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Page 2 of 2

|  |             |                          |              |   |            |          |     |        |       |           |            |       |             |             |          |          |          |  |  |  |  |  |  |  |  |  |  |
|--|-------------|--------------------------|--------------|---|------------|----------|-----|--------|-------|-----------|------------|-------|-------------|-------------|----------|----------|----------|--|--|--|--|--|--|--|--|--|--|
| Company Name: <u>BASIN ENV CONSULTING</u>                |             | <b>BILL TO</b>           |              | <b>ANALYSIS REQUEST</b>   |            |          |     |        |       |           |            |       |             |             |          |          |          |  |  |  |  |  |  |  |  |  |  |
| Project Manager: <u>CAMILLE BRYANT</u>                   |             | P.O. #:                  |              | <u>Chlorides (4500)</u><br><u>TPH (EASIN EXTENDED)</u><br><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 #227</u>                     |             | State: Zip:              |              |   |            |          |     |        |       |           |            |       |             |             |          |          |          |  |  |  |  |  |  |  |  |  |  |
| Project Location: <u>EDDY CO NM</u>                      |             | Phone #:                 |              |   |            |          |     |        |       |           |            |       |             |             |          |          |          |  |  |  |  |  |  |  |  |  |  |
| Sampler Name: <u>CHAS for CAMILLE BRYANT</u>             |             | Fax #:                   |              |   |            |          |     |        |       |           |            |       |             |             |          |          |          |  |  |  |  |  |  |  |  |  |  |
| FOR LAB USE ONLY:  |             | MATRIX                   |              | PRESERV.  |            | SAMPLING |     |        |       |           |            |       |             |             |          |          |          |  |  |  |  |  |  |  |  |  |  |
| Lab I.D.   | Sample I.D. | (GRAB OR COMP.)          | # CONTAINERS | GROUNDWATER   | WASTEWATER | SOIL     | OIL | SLUDGE | OTHER | ACID/BASE | ICE / COOL | OTHER | DATE        | TIME        |          |          |          |  |  |  |  |  |  |  |  |  |  |
| <u>H19139-</u>   |             |                          |              |   |            |          |     |        |       |           |            |       |             |             |          |          |          |  |  |  |  |  |  |  |  |  |  |
| <u>11 SB-S@2</u>   |             | <u>Q1</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 SB-S@5</u>   |             | <u>↓</u>                 |              |   |            | <u>↓</u> |     |        |       | <u>↓</u>  |            |       | <u>↓</u>    | <u>1150</u> | <u>↓</u> | <u>↓</u> | <u>↓</u> |  |  |  |  |  |  |  |  |  |  |
| <u>13 SB-L@2</u>   |             | <u>↓</u>                 |              |   |            | <u>↓</u> |     |        |       | <u>↓</u>  |            |       | <u>↓</u>    | <u>1315</u> | <u>↓</u> | <u>↓</u> | <u>↓</u> |  |  |  |  |  |  |  |  |  |  |
| <u>14 SB-L@5</u>   |             | <u>↓</u>                 |              |   |            | <u>↓</u> |     |        |       | <u>↓</u>  |            |       | <u>↓</u>    | <u>1325</u> | <u>↓</u> | <u>↓</u> | <u>↓</u> |  |  |  |  |  |  |  |  |  |  |

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

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



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.



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

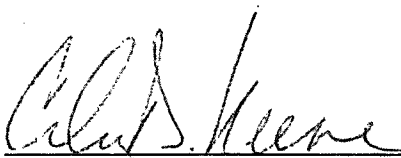
Receiving Date: 01/26/10  
Reporting Date: 02/01/10  
Project Owner: BOPCO  
Project Name: POKER LAKE 227 BATTERY  
Project Location: EDDY COUNTY, NM

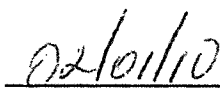
Sampling Date: 01/25/10  
Sample Type: SOIL  
Sample Condition: COOL & INTACT @ 3°C  
Sample Received By: JH  
Analyzed By: AB

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

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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: 01/26/10  
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 NUMBE SAMPLE ID         | BENZENE<br>(mg/kg) | TOLUENE<br>(mg/kg) | ETHYL<br>BENZENE<br>(mg/kg) | TOTAL<br>XYLENES<br>(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.



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

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

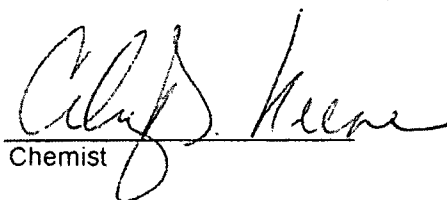
Analysis Date: 01/27/10  
Sampling Date: 01/25/10  
Sample Type: SOIL  
Sample Condition: COOL & INTACT @ 3°C  
Sample Received By: JH  
Analyzed By: HM

| LAB NO.                     | SAMPLE ID                                  | Cl <sup>-</sup><br>(mg/kg) |
|-----------------------------|--|----------------------------|
| H19149-1                    | SAMPLE 101 2 <sup>1</sup> / <sub>2</sub> ' | 80                         |
| H19149-2                    | SAMPLE 102 2 <sup>1</sup> / <sub>2</sub> ' | 16                         |
| H19149-3                    | SAMPLE 103 2 <sup>1</sup> / <sub>2</sub> ' | 224                        |
| H19149-4                    | SAMPLE 104 2 <sup>1</sup> / <sub>2</sub> ' | 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<sup>-</sup>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.



101 East Marland, Hobbs, NM 88240

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

|  |  |                          |  |   |  |                                    |  |            |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--------------------------|--|---|--|------------------------------------|--|------------|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: <b>Basin Env. Consulting</b>                 |  | <b>BILL TO</b>           |  | <b>ANALYSIS REQUEST</b>   |  |                                    |  |            |  |  |  |  |  |  |  |  |  |  |  |
| Project Manager: <b>Camille Bryant</b>                     |  | P.O. #:                  |  | <div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">                 4500<br/>                 3721<br/>                 8015             </div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">                 4500<br/>                 8015<br/>                 8015             </div> </div> |  |                                    |  |            |  |  |  |  |  |  |  |  |  |  |  |
| Address: <b>2800 Plains Hwy</b>                            |  | Company: <b>BOPE LP</b>  |  |   |  |                                    |  |            |  |  |  |  |  |  |  |  |  |  |  |
| City: <b>Livingston</b> State: <b>NM</b> Zip: <b>88260</b> |  | Attn: <b>Tony Savoie</b> |  |   |  |                                    |  |            |  |  |  |  |  |  |  |  |  |  |  |
| Phone #: <b>575 605 7216</b> Fax #: <b>575 396 1429</b>    |  | Address:                 |  |   |  |                                    |  |            |  |  |  |  |  |  |  |  |  |  |  |
| Project #: _____ Project Owner: <b>BOPE</b>                |  | City:                    |  |   |  |                                    |  |            |  |  |  |  |  |  |  |  |  |  |  |
| Project Name: <b>Roller Lake 227 Battery</b>               |  | State: _____ Zip: _____  |  |   |  |                                    |  |            |  |  |  |  |  |  |  |  |  |  |  |
| Project Location: <b>Felch Co NM</b>                       |  | Phone #: _____           |  |   |  |                                    |  |            |  |  |  |  |  |  |  |  |  |  |  |
| Sampler Name: <b>Camille Bryant</b>                        |  | Fax #: _____             |  |   |  |                                    |  |            |  |  |  |  |  |  |  |  |  |  |  |
| FOR LAB USE ONLY   |  |                          |  | MATRIX  |  | PRESERV.                           |  | SAMPLING   |  |  |  |  |  |  |  |  |  |  |  |
| Lab I.D.   |  | Sample I.D.              |  | GROUNDWATER<br>WASTEWATER<br>SOIL<br>OIL<br>SLUDGE<br>OTHER:  |  | ACID/BASE:<br>ICE / COOL<br>OTHER: |  | DATE TIME  |  |  |  |  |  |  |  |  |  |  |  |
| 19149-1  |  | Sample 101 2%            |  | X   |  | X                                  |  | 1/25 10:00 |  |  |  |  |  |  |  |  |  |  |  |
| -2   |  | Sample 102 0%            |  | X   |  | X                                  |  | 1/25 10:30 |  |  |  |  |  |  |  |  |  |  |  |
| -3   |  | Sample 103 0%            |  | X   |  | X                                  |  | 1/25 11:00 |  |  |  |  |  |  |  |  |  |  |  |
| -4   |  | Sample 104 2%            |  | X   |  | X                                  |  | 1/25 11:40 |  |  |  |  |  |  |  |  |  |  |  |
| -5   |  | Sample 105 2%            |  | X   |  | X                                  |  | 1/25 13:00 |  |  |  |  |  |  |  |  |  |  |  |

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|  |  |                                |  |  |
|--|--|--------------------------------|--|--|
| Sampler Relinquished:<br><i>Cynthia R. Smith</i><br>Relinquished By: |  | Date:<br>1/24<br>Time:<br>7:00 | Received By:<br><i>Elmer</i><br>Received By:   | Phone Result: <input type="checkbox"/> No    Add'l Phone #:<br>Fax Result: <input type="checkbox"/> No    Add'l Fax #:<br>REMARKS: |
| Delivered By: (Circle One)<br>Sampler - UPS - Bus - Other: <i>AD</i> |  | Date:<br>1/24<br>Time:<br>5:15 | Temp.:<br>3°C<br>Sample Condition:<br>Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No    Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | CHECKED BY:<br>(Initials)<br><i>AM</i>   |

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

#26



# CARDINAL 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



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

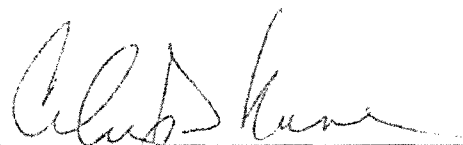
Receiving Date: 02/02/10  
Reporting Date: 02/05/10  
Project Number: BOPCO, LP  
Project Name: POKER LAKE 227 BATTERY  
Project Location: EDDY CO., NM


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<br>(C <sub>6</sub> -C <sub>10</sub> )<br>(mg/kg) | DRO<br>(>C <sub>10</sub> -C <sub>28</sub> )<br>(mg/kg) | DRO ext.<br>(>C <sub>28</sub> -C <sub>35</sub> )<br>(mg/kg) | BENZENE<br>(mg/kg) | TOLUENE<br>(mg/kg) | ETHYL<br>BENZENE<br>(mg/kg) | TOTAL<br>XYLENES<br>(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

  
Date

H19204 TPHextBTEX BASIN

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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

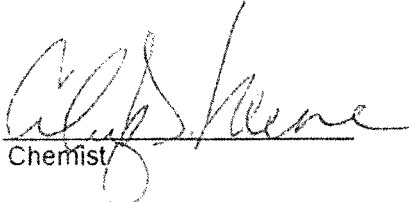
Analysis Date: 02/03/10  
Sampling Date: 01/27/10 & 01/29/10  
Sample Type: SOIL  
Sample Condition: COOL & INTACT @ 3.5°C  
Sample Received By: JH  
Analyzed By: HM


| LAB NO.                     | SAMPLE ID         | Cl <sup>-</sup><br>(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<sup>-</sup>B

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

  
Chemist

  
Date

H19204 Basin Environmental

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# CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

Page 1 of 1

|   |                          |               |              |                           |            |      |     |   |       |           |            |             |             |          |          |          |  |  |  |      |  |  |  |  |  |  |  |  |  |  |
|---|--------------------------|---------------|--------------|---------------------------|------------|------|-----|---|-------|-----------|------------|-------------|-------------|----------|----------|----------|--|--|--|------|--|--|--|--|--|--|--|--|--|--|
| Company Name: <u>Basin Env Consulting</u>                   |                          |               |              | <b>BILL TO</b>            |            |      |     | <b>ANALYSIS REQUEST</b>   |       |           |            |             |             |          |          |          |  |  |  |      |  |  |  |  |  |  |  |  |  |  |
| Project Manager: <u>Camille Bryant</u>                      |                          |               |              | P.O. #:                   |            |      |     | <u>Chlorides 4500</u><br><u>TPH 8015M extended</u><br><u>BTEX 80213</u> |       |           |            |             |             |          |          |          |  |  |  |      |  |  |  |  |  |  |  |  |  |  |
| 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 Sarvie</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.              | GRAB OR COMPO | # CONTAINERS | MATRIX                    |            |      |     |   |       | PRESERV.  |            | SAMPLING    |             |          |          |          |  |  |  |      |  |  |  |  |  |  |  |  |  |  |
|   |                          |               |              | GROUNDWATER               | WASTEWATER | SOIL | OIL | SLUDGE  | OTHER | ACID/BASE | ICE / COOL | OTHER       | DATE        |          |          |          |  |  |  | TIME |  |  |  |  |  |  |  |  |  |  |
| <u>H19204-1</u>   | <u>Sample 106 @ 3'</u>   | <u>G1</u>     | <u>1</u>     |                           | <u>X</u>   |      |     |   |       | <u>X</u>  |            | <u>1/27</u> | <u>1030</u> | <u>X</u> | <u>X</u> | <u>X</u> |  |  |  |      |  |  |  |  |  |  |  |  |  |  |
| <u>-2</u>   | <u>Sample 107 @ 2.5'</u> | <u>G1</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</u>   | <u>Sample 108 @ 6.5'</u> | <u>G1</u>     | <u>1</u>     |                           | <u>X</u>   |      |     |   |       | <u>X</u>  |            | <u>1/29</u> | <u>1330</u> | <u>X</u> | <u>X</u> | <u>X</u> |  |  |  |      |  |  |  |  |  |  |  |  |  |  |

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

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

#26



# CARDINAL LABORATORIES

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

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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.





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

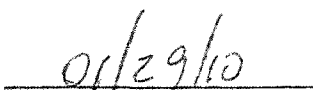
Analysis Date: 01/29/10  
Sampling Date: 01/26/10  
Sample Type: SOIL  
Sample Condition: COOL & INTACT @ 1°C  
Sample Received By: JH  
Analyzed By: HM

| LAB NO.                     | SAMPLE ID  | Cl <sup>-</sup><br>(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<sup>-</sup>B

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

  
Chemist

  
Date

H19162 Basin Environmental

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Page 1 of 1

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|   |  |  |  |  |  |
|---|--|--|--|--|--|
| Sampler Relinquished: <i>Amelia Bryant</i><br>Date: <i>11/28/10</i><br>Time: <i>7:45</i><br>Relinquished By: <i>[Signature]</i> |  | Received By: <i>[Signature]</i><br>Date: <i>11/28/10</i><br>Time: <i>9:00</i><br>Received By: <i>Jodi Benson</i>   |  | Phone Result: <input type="checkbox"/> No Add'l Phone #:<br>Fax Result: <input type="checkbox"/> No Add'l Fax #:<br>REMARKS: |  |
| Delivered By: (Circle One) <i>Other: [Signature]</i>  |  | Temp. <i>10</i><br>Sample Condition:<br>Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |  | CHECKED BY: <i>[Signature]</i>   |  |

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#26



# 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

---

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

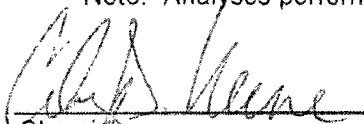
Analysis Date: 02/02/10  
Sampling Date: 02/01/10  
Sample Type: SOIL  
Sample Condition: INTACT @ 22°C  
Sample Received By: JH  
Analyzed By: HM

| LAB NO.                     | SAMPLE ID | Cl <sup>-</sup><br>(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<sup>-</sup>B

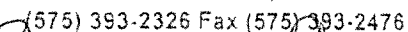
Note: Analyses performed on 1:4 w:v aqueous extracts.

  
Chemist

  
Date

H19189 Basin Environmental

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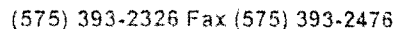
| Company Name: BASIN ENV. Consulting  |             |                                   |   | <b>BILL TO</b>                      |         | <b>ANALYSIS REQUEST</b> |  |  |  |  |  |  |  |  |  |
|--------------------------------------|-------------|-----------------------------------|---|-------------------------------------|---------|-------------------------|--|--|--|--|--|--|--|--|--|
| Project Manager: Camille Bryant      |             |                                   |   | P.O. #:                             |         |                         |  |  |  |  |  |  |  |  |  |
| Address: 2800 Plains Hwy             |             |                                   |   | Company: BOPCO                      |         |                         |  |  |  |  |  |  |  |  |  |
| City: Lexington                      |             | State: NY                         |   | Zip: 88260                          |         | Attn: Tony Savioe       |  |  |  |  |  |  |  |  |  |
| Phone #: (575) 605-7210              |             | Fax #: (575) 396-1429             |   | Address:                            |         |                         |  |  |  |  |  |  |  |  |  |
| Project #:                           |             | Project Owner: BOPCO              |   | City:                               |         |                         |  |  |  |  |  |  |  |  |  |
| Project Name: Poker Lake 227 Battery |             |                                   |   | State:                              |         | Zip:                    |  |  |  |  |  |  |  |  |  |
| Project Location: Eddy Co, NM        |             |                                   |   | Phone #:                            |         |                         |  |  |  |  |  |  |  |  |  |
| Sampler Name: Camille Bryant         |             |                                   |   | Fax #:                              |         |                         |  |  |  |  |  |  |  |  |  |
| FOR LAB USE ONLY                     |             |                                   |   | MATRIX                              | PRESERV | SAMPLING                |  |  |  |  |  |  |  |  |  |
| Lab I.D.                             | Sample I.D. | (G/RAB OR C/COMP)<br>W CONTAINERS | GROUNDWATER<br>WASTEWATER<br>SOIL<br>OIL<br>SLUDGE<br>OTHER | ACID/BASE:<br>ICE / COOL<br>OTHER : | DATE    | TIME                    |  |  |  |  |  |  |  |  |  |
| H19189-1                             | 6B@2'       | G1                                | X   |                                     | 2/1     | 0800                    |  |  |  |  |  |  |  |  |  |
| -2                                   | 6BC@3'      |                                   |   |                                     |         | 0805                    |  |  |  |  |  |  |  |  |  |
| -3                                   | 6B@4'       |                                   |   |                                     |         | 0810                    |  |  |  |  |  |  |  |  |  |
| -4                                   | 7B@3'       |                                   |   |                                     |         | 0820                    |  |  |  |  |  |  |  |  |  |
| -5                                   | 7B@4'       |                                   |   |                                     |         | 0825                    |  |  |  |  |  |  |  |  |  |
| -6                                   | 7B@5'       |                                   |   |                                     |         | CB 0830                 |  |  |  |  |  |  |  |  |  |
| -7                                   | 7BC@6'      |                                   |   |                                     |         | CB 0840                 |  |  |  |  |  |  |  |  |  |
| -8                                   | 8B@2'       |                                   |   |                                     |         | CB 0900                 |  |  |  |  |  |  |  |  |  |
| -9                                   | 8B@3'       |                                   |   |                                     |         | 0905                    |  |  |  |  |  |  |  |  |  |
| -10                                  | 8BC@4'      |                                   |   |                                     |         | 0910                    |  |  |  |  |  |  |  |  |  |

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>Amelia Bayuel</u><br>Date: <u>2/1/2010</u><br>Time: <u>3:15</u> |  | Received By: _____<br>Date: _____<br>Time: _____   |  | Phone Result: <input type="checkbox"/> No Add'l Phone #: _____<br>Fax Result: <input type="checkbox"/> No Add'l Fax #: _____<br>REMARKS: _____ |  |
| Relinquished By: _____<br>Date: <u>2/1/10</u><br>Time: <u>3:15</u>                          |  | Received By: <u>Godin-Henson</u><br>Date: _____<br>Time: _____   |  | _____  |  |
| Delivered By: (Circle One)<br>Sampler - UPS - Bus - Other: _____                            |  | Temp. <u>22°C</u><br>Sample Condition<br>Cool Intact<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No |  | CHECKED BY: <u>GH</u><br>(Initials)  |  |

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

#26



| Company Name: Basin Env Consulting            |             |                  |              | <b>BILL TO</b>            |                                 |                                    |         | ANALYSIS REQUEST |        |   |  |  |  |  |  |  |  |
|---|-------------|------------------|--------------|---------------------------|---------------------------------|------------------------------------|---------|------------------|--------|---|--|--|--|--|--|--|--|
| Project Manager: Camille Bryant               |             |                  |              | P.O. #:                   |                                 |                                    |         |                  |        |   |  |  |  |  |  |  |  |
| Address: 2800 Plains Hwy                      |             |                  |              | Company: BOPCO, LP        |                                 |                                    |         |                  |        |   |  |  |  |  |  |  |  |
| City: Lovington State: NM Zip: 88260          |             |                  |              | Attn: Tony Savoie         |                                 |                                    |         |                  |        |   |  |  |  |  |  |  |  |
| Phone #: (515) 605 7210 Fax #: (575) 390-1429 |             |                  |              | Address:                  |                                 |                                    |         |                  |        |   |  |  |  |  |  |  |  |
| Project #: Project Owner: BOPCO, LP           |             |                  |              | City:                     |                                 |                                    |         |                  |        |   |  |  |  |  |  |  |  |
| Project Name: Polker Lake Battery #229        |             |                  |              | State: Zip:               |                                 |                                    |         |                  |        |   |  |  |  |  |  |  |  |
| Project Location: Eddy Co, NM                 |             |                  |              | Phone #:                  |                                 |                                    |         |                  |        |   |  |  |  |  |  |  |  |
| Sampler Name: Camille Bryant                  |             |                  |              | Fax #:                    |                                 |                                    |         |                  |        |   |  |  |  |  |  |  |  |
| FOR LAB USE ONLY                              |             |                  |              | MATRIX                    |                                 |                                    | PRESERV | SAMPLING         |        |   |  |  |  |  |  |  |  |
| Lab I.D.                                      | Sample I.D. | (G/RAB OR C)OMP. | # CONTAINERS | GROUNDWATER<br>WASTEWATER | SOIL<br>OIL<br>SLUDGE<br>OTHER: | ACID/BASE:<br>ICE / COOL<br>OTHER: |         | DATE             | TIME   |   |  |  |  |  |  |  |  |
| H19189-                                       |             |                  |              |                           |                                 |                                    |         |                  |        |   |  |  |  |  |  |  |  |
| -11   | 8Bc5'       | 6                | 1            | X                         |                                 |                                    |         | 2/1              | 0915   | X |  |  |  |  |  |  |  |
| -12   | 8Bc6'       |                  |              |                           |                                 |                                    |         |                  | 0930   |   |  |  |  |  |  |  |  |
| -13   | 8Bc7'       |                  |              |                           |                                 |                                    |         |                  | 0935   |   |  |  |  |  |  |  |  |
| -14   | 9Bc2'       |                  |              |                           |                                 |                                    |         |                  | 081000 |   |  |  |  |  |  |  |  |
| -15   | 9Bc3'       |                  |              |                           |                                 |                                    |         |                  | 081005 |   |  |  |  |  |  |  |  |
| -16   | 9Bc4'       |                  |              |                           |                                 |                                    |         |                  | 1010   |   |  |  |  |  |  |  |  |

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>Amilee Bayuel</u><br>Date: <u>2/1/10</u> Time: <u>3:15</u><br>Relinquished By: _____ Date: _____ Time: _____<br>Received By: _____ Date: <u>2/1/10</u> Time: <u>3:15</u><br>Delivered By: (Circle One) <u>UPS</u> <u>Bus</u> <u>Other:</u> _____<br>Temp. <u>22°C</u> Sample Condition: <u>Cool</u> <u>Intact</u><br><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No |  | Phone Result: <input type="checkbox"/> No Add'l Phone #: _____<br>Fax Result: <input type="checkbox"/> No Add'l Fax #: _____<br>REMARKS: _____<br>_____<br>_____ |
|--|--|--|

#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



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: 02/15/10 & 02/16/10  
Sample Type: SOIL  
Sample Condition: COOL & INTACT @ 1.5°C  
Sample Received By: JH  
Analyzed By: HM

| LAB NO.                     | SAMPLE ID                 | Cl <sup>-</sup><br>(mg/kg) |
|-----------------------------|---------------------------|----------------------------|
| H19314-1                    | WEST WALL 3.5'            | 80                         |
| H19314-2                    | 9 FLOOR @ 3.5'            | 96                         |
| H19314-3                    | 9 SOUTH SIDE WALL @ 3.5'  | 176                        |
| H19314-4                    | 9 NORTH SIDE WALL @ 3.5'  | 112                        |
| H19314-5                    | 8 FLOOR @ 7'              | 48                         |
| H19314-6                    | 8 NORTH SIDE WALL @ 6.5'  | 48                         |
| H19314-7                    | 8 SOUTH SIDE WALL @ 6.5'  | 64                         |
| H19314-8                    | 8 WEST SIDE WALL @ 6.5'   | 240                        |
| H19314-9                    | 8 NORTHEAST CORNER @ 6.5' | 144                        |
| H19314-10                   | 8 NORTHEAST CORNER @ 4.5' | 16                         |
|                             |                           |                            |
|                             |                           |                            |
|                             |                           |                            |
| Quality Control             |                           | 500                        |
| True Value QC               |                           | 500                        |
| % Recovery                  |                           | 100                        |
| Relative Percent Difference |                           | < 0.1                      |

**METHOD:** Standard Methods

4500-CIB

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

Chemist

Date \_\_\_\_\_

H19314 Basin Environmental

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

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

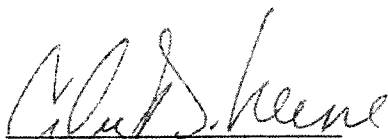
Analysis Date: 02/22/10  
Sampling Date: 02/17/10, 02/18/10 & 02/19/10  
Sample Type: SOIL  
Sample Condition: COOL & INTACT @ 1.5°C  
Sample Received By: JH  
Analyzed By: HM

| LAB NO.                     | SAMPLE ID              | Cl <sup>-</sup><br>(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-Cl/B

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

  
Cheryl S. Keene  
Chemist

  
Date

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

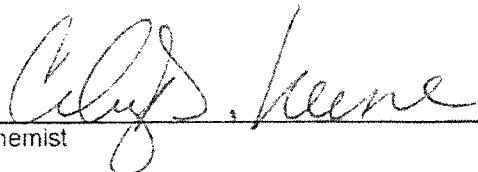
Receiving Date: 02/22/10  
Reporting Date: 02/26/10  
Project Owner: BOPCO  
Project Name: POKER LAKE 227 TANK BATTERY  
Project Location: EDDY CO., NM

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<br>(mg/kg) | TOLUENE<br>(mg/kg) | ETHYL<br>BENZENE<br>(mg/kg) | TOTAL<br>XYLENES<br>(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

03/02/10  
\_\_\_\_\_  
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

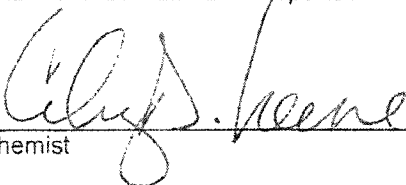
Receiving Date: 02/22/10  
Reporting Date: 02/26/10  
Project Owner: BOPCO  
Project Name: POKER LAKE 227 TANK BATTERY  
Project Location: EDDY CO., NM

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<br>(mg/kg) | TOLUENE<br>(mg/kg) | ETHYL<br>BENZENE<br>(mg/kg) | TOTAL<br>XYLENES<br>(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

03/02/10  
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<br>(C <sub>6</sub> -C <sub>10</sub> )<br>(mg/kg) | DRO<br>(>C <sub>10</sub> -C <sub>28</sub> )<br>(mg/kg) | DRO ext.<br>(>C <sub>28</sub> -C <sub>35</sub> )<br>(mg/kg) |
|-----------------------------|---------------------------|--|--|---|
|                             |                           | 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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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: 02/18/10  
Sample Type: SOIL  
Sample Condition: COOL & INTACT @ 1.5°C  
Sample Received By: JH  
Analyzed By: AB/CK

METHODS: TPH GRO & DRO: EPA SW-846 8015 M extended  
Reported on wet weight. Not accredited for GRO/DRO/DRO Ext.  
\*TPH second surrogate outside historical limits due to matrix interference.

03/02/10  
Date

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101 East Marland, Hobbs, NM 88240

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

Page 1 of 2

|  |  |                              |  |                         |              |  |            |      |     |        |       |           |            |          |      |      |       |  |  |  |  |  |  |  |  |      |
|--|--|------------------------------|--|-------------------------|--------------|--|------------|------|-----|--------|-------|-----------|------------|----------|------|------|-------|--|--|--|--|--|--|--|--|------|
| Company Name: <u>Basin Enr Consulting</u>        |  |                              |  | <b>BILL TO</b>          |              | <b>ANALYSIS REQUEST</b>  |            |      |     |        |       |           |            |          |      |      |       |  |  |  |  |  |  |  |  |      |
| Project Manager: <u>Camille Bryant</u>           |  |                              |  | P.O. #:                 |              | <u>Black 80216</u><br><u>TPH 80216 EXTENDED</u><br><u>Chlorides (4500)</u> |            |      |     |        |       |           |            |          |      |      |       |  |  |  |  |  |  |  |  |      |
| Address: <u>2800 Plains Hwy</u>                  |  |                              |  | Company: <u>BOPCO</u>   |              |  |            |      |     |        |       |           |            |          |      |      |       |  |  |  |  |  |  |  |  |      |
| City: <u>Livingston</u>                          |  | State: <u>NM</u>             |  | Attn: <u>Tom Sandoz</u> |              |  |            |      |     |        |       |           |            |          |      |      |       |  |  |  |  |  |  |  |  |      |
| Phone #: <u>(575) 605-7210</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>Edley Co, NM</u>            |  |                              |  | Phone #:                |              |  |            |      |     |        |       |           |            |          |      |      |       |  |  |  |  |  |  |  |  |      |
| Sampler Name: <u>Camille Bryant</u>              |  |                              |  | Fax #:                  |              |  |            |      |     |        |       |           |            |          |      |      |       |  |  |  |  |  |  |  |  |      |
| FOR LAB USE ONLY                                 |  |                              |  |                         |              |  |            |      |     |        |       |           |            |          |      |      |       |  |  |  |  |  |  |  |  |      |
| Lab I.D.   |  | Sample I.D.                  |  | (GRAB OR COMPO.)        | # CONTAINERS | MATRIX   |            |      |     |        |       | PRESERV.  |            | SAMPLING |      |      |       |  |  |  |  |  |  |  |  |      |
|  |  |                              |  |                         |              | GROUNDWATER  | WASTEWATER | SOIL | OIL | SLUDGE | OTHER | ACID/BASE | ICE / COOL | OTHER    | DATE |      |       |  |  |  |  |  |  |  |  | TIME |
| H19314-1   |  | West Wall 3.5'               |  | G                       | 1            |  |            | 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 |       |  |  |  |  |  |  |  |  |      |

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>2/24/10</u> | Received By: <u>Joe Loure</u>  | Phone Result: <input type="checkbox"/> No | Add'l Phone #: |
| Relinquished By: <u>Camille Bryant</u> |  | Time: <u>0700</u>    |  | Fax Result: <input type="checkbox"/> No   | Add'l Fax #:   |
| Relinquished By: <u>Joe Loure</u>      |  | Date: <u>2/22/10</u> | Received By: <u>Joedi Benson</u>   | REMARKS:                                  |                |
| Relinquished By: <u>Joe Loure</u>      |  | Time: <u>0740</u>    |  |   |                |
| Delivered By: (Circle One)             |  | Temp. <u>1.5C</u>    | Sample Condition   | CHECKED BY: (Initials) <u>JA</u>          |                |
| Sampler - UPS - Bus - Other:           |  |                      | Cool Intact<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |   |                |

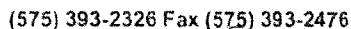
† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

#26



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

#26



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.

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

#26

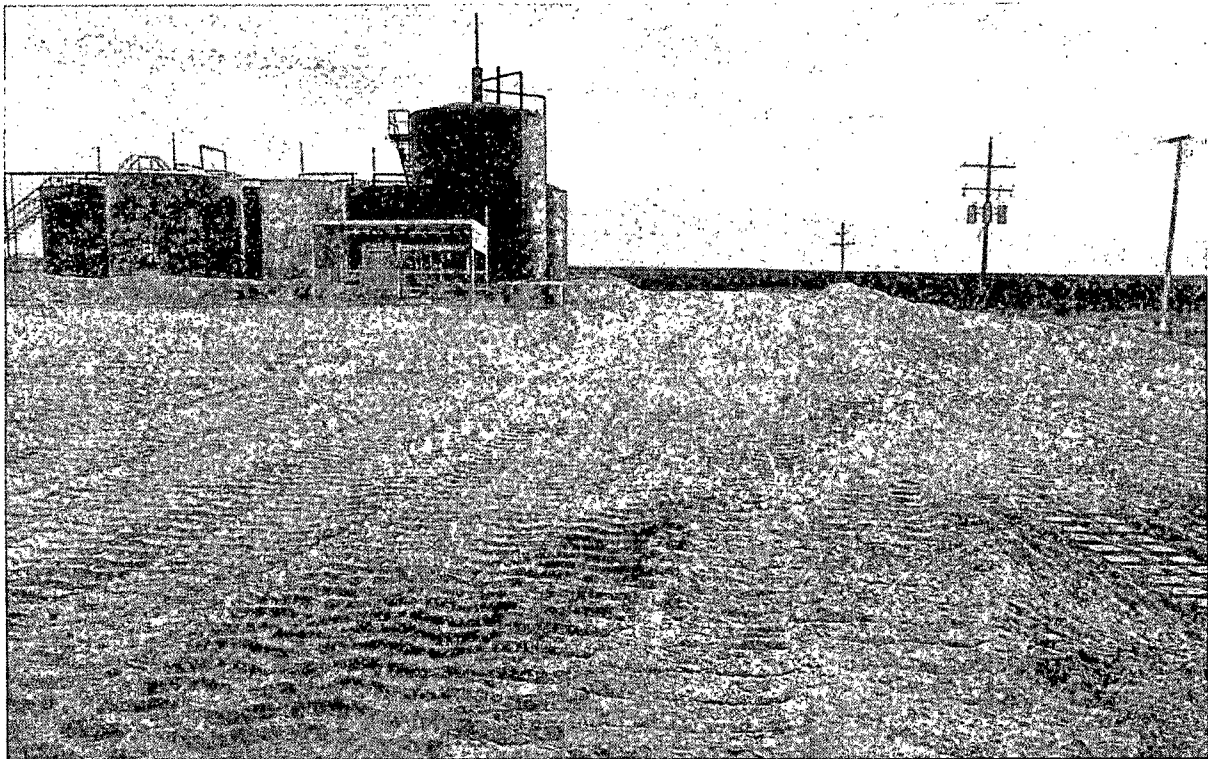


## Appendix C

### Photographs



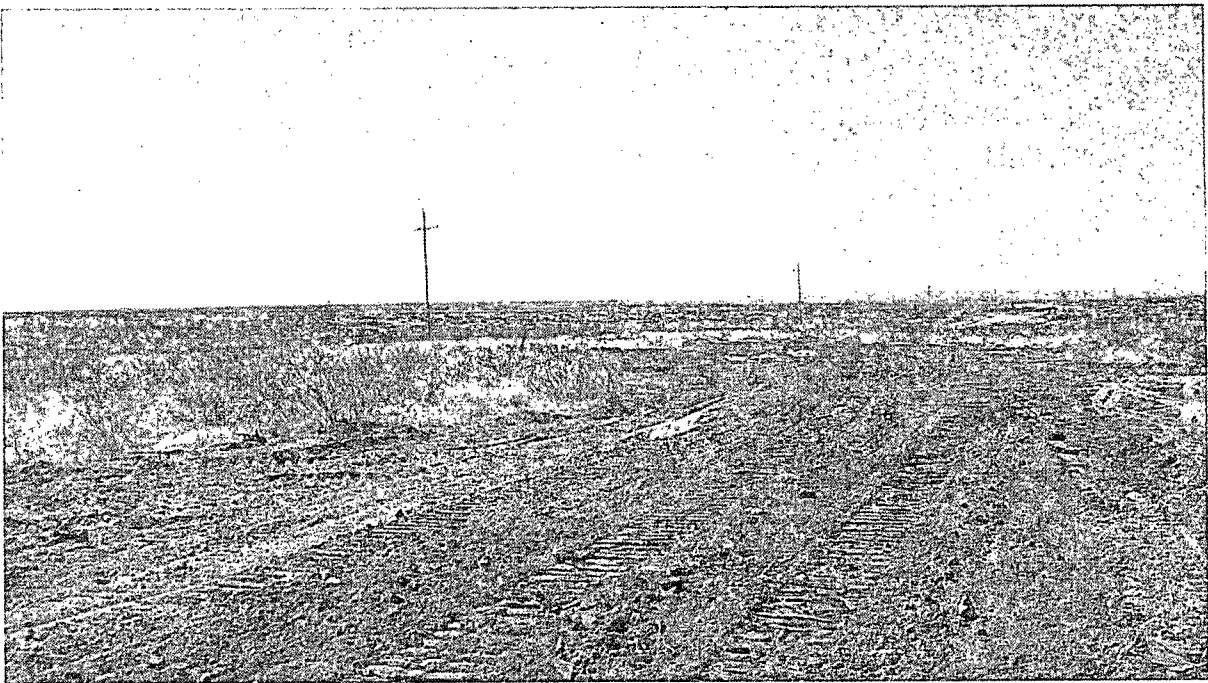
Excavation Activities on the Tank Battery at the Poker Lake 227 Release Site



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

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

SEP - 1 2009

Form C-141  
Revised October 10, 2003

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 Carlshad, N.M. 88220 |                       | Telephone No. 432-556-8730 |
| Facility Name Poker Lake Unit #227                    |                       | Facility Type E&P          |
| 30-015-78929  |                       |                            |
| Surface Owner Federal                                 | Mineral Owner Federal | Lease No.                  |

LOCATION OF RELEASE

|                  |               |                 |              |               |                  |               |                |                |
|------------------|---------------|-----------------|--------------|---------------|------------------|---------------|----------------|----------------|
| Unit Letter<br>P | Section<br>30 | Township<br>24S | Range<br>30E | Feet from the | North/South Line | Feet from the | East/West Line | County<br>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<br>7/30/09, Hour unknown                      | Date and Hour of Discovery<br>7/30/09 8:00 a.m. |
| Was Immediate Notice Given?<br><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?<br><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: Tony Savoie                      |  | OIL CONSERVATION DIVISION                    |  |
| Printed Name: Tony Savoie                   |  | Approved by District Supervisor: R. Daley    |  |
| Title: Waste Mgmt. & Remediation Specialist |  | Approval Date: 10-13-09                      |  |
| E-mail Address: TASavoie@BassPet.com        |  | Expiration Date: 12-13-09                    |  |
| Date: 9/1/09                                |  | Conditions of Approval: SEE ATTACHED         |  |
| Phone: 432-556-8730                         |  | Attached <input checked="" type="checkbox"/> |  |

\* Attach Additional Sheets If Necessary

pSEB 0928650769

2 RP-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

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

Form C-141  
Revised October 10, 2003

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

**Release Notification and Corrective Action**

**OPERATOR**

☐ Initial Report    ☒ Final Report

|                 |   |               |                |
|-----------------|---|---------------|----------------|
| Name of Company | BOPCO, LP                                   | Contact       | Tony Savoie    |
| Address         | 522 W. Mermod, Suite 704 Carlsbad, NM 88220 | Telephone No. | (432) 556-8730 |
| Facility Name   | Poker Lake Unit #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. |  |                            |                   |

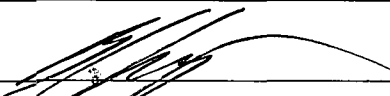
If a Watercourse was Impacted, Describe Fully.\*

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.

**OIL CONSERVATION DIVISION**

|  |                                  |                  |   |
|--|----------------------------------|------------------|---|
| Signature:  | Approved by District Supervisor: |                  |   |
| Printed Name: Ben J. Arguijo (agent on behalf of BOPCO, LP)                                    |                                  |                  |   |
| 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            |                  |   |

