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REMEDIATION SUMMARY & RISK-BASED SITE CLOSURE REQUEST

**BOPCO, LP
POKER LAKE UNIT #79
Eddy County, New Mexico
Unit Letter "M" (SW/SW), Section 2, Township 25 South, Range 30 East
Latitude 32.154414° North, Longitude 103.857821° West**



Prepared For:

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

Prepared By:

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

July 2012

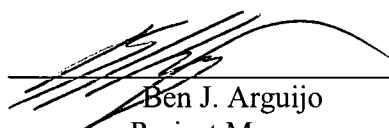

Ben J. Arguijo
Project Manager

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1.0 INTRODUCTION AND BACKGROUND INFORMATION

Basin Environmental Service Technologies, LLC (Basin), on behalf of BOPCO, LP (BOPCO), has prepared this *Remediation Summary & Risk-Based Site Closure Request* for the release site known as Poker Lake Unit (PLU) #79. The legal description of the release site is Unit Letter "M" (SW/SW), Section 2, Township 25 South, Range 30 East, in Eddy County, New Mexico. The geographic coordinates of the release site are 32.154414° North latitude and 103.857821° West longitude. The property affected by the release is owned by the State of New Mexico and administered by the New Mexico State Land Office (NMSLO). A "Site Location Map" is provided as Figure 1.

On May 2, 2011, BOPCO discovered a release had occurred at the PLU #79 tank battery. A gasket on a heater treater failed, resulting in the release of a mixture of produced water and crude oil. During initial response activities, the heater treater was isolated, and the gasket was replaced.

The release was reported to the New Mexico Oil Conservation Division (NMOCD) Artesia District Office on May 2, 2011. The "Release Notification and Corrective Action" (Form C-141) indicated approximately forty barrels (40 bbls) of produced water and approximately twenty barrels (20 bbls) of crude oil were released. The flow path of the release extended approximately three hundred and sixty feet (360') along an adjacent lease road, and isolated pockets of produced water and crude oil pooled on the surface of the well pad and battery location. A vacuum truck was utilized to remove free-standing liquid, and approximately ten barrels (10 bbls) of the produced water and crude oil mixture were recovered. Heavily saturated soil was excavated and stockpiled on-site, pending final disposition.

The well pad and battery location was impacted by a fine mist of produced water and crude oil. The affected area measured approximately sixty-seven thousand, five hundred square feet (67,500 ft²). The spray also affected an area of pastureland to the southwest of the release site, which measured approximately thirty-three thousand, six hundred square feet (33,600 ft²).

The Form C-141 is provided as Appendix A. General photographs of the release site are provided as Appendix B.

2.0 NMOCD SITE CLASSIFICATION

A search of the New Mexico Water Rights Reporting System (NMWRRS) database maintained by the New Mexico Office of the State Engineer (NMOSE) indicated information was unavailable for Section 2, Township 25 South, Range 30 East. A depth-to-groundwater reference map utilized by the NMOCD indicates groundwater should be encountered at approximately three hundred and ninety feet (390') below ground surface (bgs). Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

A search of the NMWRRS database indicated there are no water wells within 1,000 feet of the release. Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

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

NMOCD guidelines indicate the PLU #79 release site has an initial ranking score of zero (0) points. The soil remediation levels for a site with a ranking score of zero (0) points are as follows:

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

The New Mexico Administrative Code (NMAC) does not currently specify a remediation level for chloride concentrations in soil. Chloride remediation levels are set by the NMOCD on a site-specific basis.

3.0 SUMMARY OF SOIL REMEDIATION ACTIVITIES

Following initial response activities, on May 19, 2011, delineation of the release site commenced. Three (3) soil borings (SB-1, SB-2, and SB-3) were advanced at the site to delineate the vertical and horizontal extent of impacted soil. Soil samples were collected at five-foot (5') intervals and field-screened using a chloride test kit and/or photo-ionization detector (PID). Selected soil samples were submitted to Cardinal Laboratories in Hobbs, New Mexico, for analysis of benzene, toluene, ethyl-benzene, and xylenes (BTEX), total petroleum hydrocarbon (TPH), and/or chloride concentrations using EPA methods SW-846 8021b, SW-846 8015M, and 4500 Cl-B, respectively. Table 1 summarizes the “Concentrations of Benzene, BTEX, TPH & Chloride in Soil”. A “Site & Sample Location Map” is provided as Figure 2. Soil boring logs are provided as Appendix C. Laboratory analytical reports are provided as Appendix D.

Prior to drilling, one (1) soil sample (Background) was collected from pastureland adjacent to the release site in order to establish the baseline concentration of chloride in the area. Laboratory analytical results indicated the chloride concentration in soil sample Background was less than the laboratory method detection limit (MDL).

Soil boring SB-1 was located near the release point, inside the containment area of the PLU #79 tank battery. The soil bore was advanced to a total depth of approximately twenty-five feet (25') bgs. Soil samples collected at drilling depths of five feet (5'), ten feet (10'), fifteen feet (15'), twenty feet (20'), and twenty-five feet (25') bgs were submitted to the laboratory for analysis of TPH and/or chloride concentrations. The soil sample collected at ten feet (10') bgs was also analyzed for BTEX concentrations. Laboratory analytical results indicated TPH concentrations ranged from less than the laboratory MDL in soil sample SB-1 @ 10' to 29.0 mg/Kg in soil sample SB-1 @ 5'. Chloride concentrations ranged from 336 mg/Kg in soil sample SB-1 @ 25' to 1,760 mg/Kg in soil sample SB-1 @ 15'. BTEX constituent concentrations in soil sample SB-1 @ 10' were less than the appropriate laboratory MDL

Soil boring SB-2 was located approximately one hundred and ten feet (110') to the west-southwest of soil boring SB-1, along the flow path of the release. The soil bore was advanced to a total depth of approximately twenty-five feet (25') bgs. Soil samples collected at drilling depths of five feet (5'), ten feet (10'), fifteen feet (15'), twenty feet (20'), and twenty-five feet (25') bgs were submitted to the laboratory for analysis of TPH and/or chloride concentrations. The soil

sample collected at ten feet (10') bgs was also analyzed for BTEX concentrations. Laboratory analytical results indicated TPH concentrations ranged from less than the laboratory MDL in soil sample SB-2 @ 10' to 80.4 mg/Kg in soil sample SB-2 @ 5'. Chloride concentrations ranged from 592 mg/Kg in soil sample SB-2 @ 20' to 1,760 mg/Kg in soil sample SB-2 @ 25'. BTEX constituent concentrations in soil sample SB-2 @ 10' were less than the appropriate laboratory MDL.

Soil boring SB-3 was located approximately one hundred feet (100') to the west of soil boring SB-2, along the flow path of the release. The soil bore was advanced to a total depth of approximately twenty feet (20') bgs. Soil samples collected at drilling depths of five feet (5'), ten feet (10'), fifteen feet (15'), and twenty feet (20') bgs were submitted to the laboratory for analysis of TPH and/or chloride concentrations. The soil sample collected at ten feet (10') bgs was also analyzed for BTEX concentrations. Laboratory analytical results indicated TPH concentrations were less than the laboratory MDL in all submitted soil samples. Chloride concentrations ranged from 32.0 mg/Kg in soil sample SB-3 @ 20' to 96.0 mg/Kg in soil sample SB-3 @ 15'. BTEX constituent concentrations in soil sample SB-3 @ 10' were less than the appropriate laboratory MDL.

Following drilling activities, one (1) soil sample (Runoff Area @ 4') was collected at the terminus of the flow path of the release, along the access road to the PLU #79 tank battery. The soil sample was submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results indicated the TPH concentration was less than the laboratory MDL, and the chloride concentration was 32.0 mg/Kg.

On December 30, 2011, excavation of impacted soil commenced at the site. A chloride test kit was used to field-screen the horizontal extent of impacted soil and to guide the excavation ("Excavation 1"). From December 30, 2011, through January 9, 2012, approximately four hundred and sixty cubic yards (460 yd³) of impacted soil was excavated and stockpiled on-site, pending final disposition.

On January 5, 2012, four (4) soil samples (Sample #1 through Sample #4) were collected from the floor and sidewalls of Excavation 1 and submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results indicated TPH concentrations were less than the laboratory MDL in all submitted soil samples. Chloride concentrations ranged from 272 mg/Kg in soil samples Sample #3 and Sample #4 to 736 mg/Kg in soil sample Sample #2.

On January 6, 2012, six (6) soil samples (Sample #5 through Sample #10) were collected from the floor and sidewalls of Excavation 1 and submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results indicated TPH concentrations were less than the laboratory MDL in all submitted soil samples. Chloride concentrations ranged from 64.0 mg/Kg in soil samples Sample #8 and Sample #10 to 560 mg/Kg in soil sample Sample #7.

On January 9, 2012, four (4) soil samples (Sample #11 through Sample #14) were collected from the floor and sidewalls of Excavation 1 and submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results indicated TPH concentrations were less than the laboratory MDL in all submitted soil samples. Chloride concentrations ranged from 400 mg/Kg in soil sample Sample #12 to 976 mg/Kg in soil sample Sample #14.

From January 9 through January 13, 2012, the stockpiled soil was transported to Lea Land, Inc. (NMOCD Permit # WM-01-035), for disposal.

Based on laboratory analytical results and field screens, from January 11 through January 13, 2012, Excavation 1 was backfilled in eighteen-inch (18") lifts, compacted, and contoured to fit the surrounding grade. Prior to backfilling, final dimensions of the excavation were approximately two hundred and forty-nine feet (249') in length, ranging in width from approximately twelve feet (12') to approximately sixty feet (60'), and ranging in depth from approximately one foot (1') to approximately five feet (5').

Following remediation activities, distribution from the PLU #79 pumping well was altered by the addition of a flow line to a newly constructed tank battery, PLU #42, which is located approximately three thousand, seven hundred and ten feet (3,710') southwest of the pumping well.

In February 2012, the PLU #79 tank battery was decommissioned and dismantled. With NMOCD approval (obtained in 2011), the existing caliche pad was extended to facilitate construction of a salt water disposal (SWD) tank battery in the area just south of the original tank battery and well location. The new facility is known as the PLU #79 SWD. The facility is equipped with horizontal transfer pumps, which pump produced water gathered in the area to a new disposal well, PLU #127.

On March 7, 2012, three (3) soil borings (SB-4, SB-5, and SB-6) were advanced in the abandoned containment area of the old PLU #79 tank battery to investigate the vertical extent of impacted soil. Soil samples were collected at five-foot (5') drilling intervals and field-screened using a chloride test kit and/or PID. Selected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and/or chloride concentrations.

Soil boring SB-4 was advanced at the center of the abandoned containment area, in the footprint of a historic produced water storage tank. The soil bore was advanced to a total depth of approximately twenty-five feet (25') bgs. Soil samples collected at drilling depths of five feet (5'), ten feet (10'), fifteen feet (15'), twenty feet (20'), and twenty-five feet (25') bgs were submitted to the laboratory for analysis of TPH and/or chloride concentrations. The soil samples collected at fifteen feet (15') and twenty-five feet (25') bgs were also analyzed for BTEX concentrations. Laboratory analytical results indicated TPH concentrations ranged from less than the laboratory MDL in soil samples SB-4 @ 15' and SB-4 @ 25' to 2,686 mg/Kg in soil sample SB-4 @ 5'. Chloride concentrations ranged from 240 mg/Kg in soil sample SB-4 @ 25' to 15,600 mg/Kg in soil sample SB-4 @ 5'. BTEX constituent concentrations were less than the appropriate laboratory MDL in all submitted soil samples.

Soil boring SB-5 was advanced inside the abandoned containment area, approximately thirty-five feet (35') to the south of soil boring SB-4, in the footprint of a historic crude oil storage tank. The soil bore was advanced to a total depth of approximately twenty-five feet (25') bgs. Soil samples collected at drilling depths of five feet (5'), ten feet (10'), fifteen feet (15'), twenty feet (20'), and twenty-five feet (25') bgs were submitted to the laboratory for analysis of TPH and/or chloride concentrations. The soil samples collected at fifteen feet (15') and twenty-five feet (25') bgs were also analyzed for BTEX concentrations. Laboratory analytical results indicated TPH concentrations ranged from less than the laboratory MDL in soil sample SB-5 @ 25' to 234

mg/Kg in soil sample SB-5 @ 5'. Chloride concentrations ranged from 592 mg/Kg in soil sample SB-5 @ 20' to 1,420 mg/Kg in soil sample SB-5 @ 15'. BTEX constituent concentrations were less than the appropriate laboratory MDL in all submitted soil samples.

Soil boring SB-6 was advanced inside the abandoned containment area, approximately twenty feet (20') to the south of soil boring SB-5, in the footprint of a historic crude oil storage tank. The soil bore was advanced to a total depth of approximately thirty feet (30') bgs. Soil samples collected at drilling depths of five feet (5'), fifteen feet (15'), twenty feet (20'), twenty-five feet (25'), and thirty feet (30') bgs were submitted to the laboratory for analysis of TPH and/or chloride concentrations. The soil sample collected at thirty feet (30') bgs was also analyzed for BTEX concentrations. Laboratory analytical results indicated TPH concentrations ranged from less than the laboratory MDL in soil samples SB-6 @ 25' and SB-6 @ 30' to 7,450 mg/Kg in soil sample SB-6 @ 5'. Chloride concentrations ranged from 416 mg/Kg in soil sample SB-6 @ 30' to 12,000 mg/Kg in soil sample SB-6 @ 5'. BTEX constituent concentrations in soil sample SB-6 @ 30' were less than the appropriate laboratory MDL.

On March 13, 2012, excavation of the abandoned containment area ("Excavation 2") commenced. From March 13 through March 23, 2012, approximately two thousand, seven hundred and twenty cubic yards (2,720 yd³) of impacted soil was excavated and transported to Lea Land, Inc., for disposal.

On March 15, 2012, five (5) soil samples (North Wall #1, East Wall #1, East Wall #3, West Wall #1, and West Wall #3) were collected from the sidewalls of Excavation 2 and submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results indicated TPH concentrations ranged from less than the laboratory MDL in soil samples North Wall #1 and West Wall #3 to 166 mg/Kg in soil sample East Wall #3. Chloride concentrations ranged from 512 mg/Kg in soil sample West Wall #1 to 912 mg/Kg in soil sample East Wall #3.

On March 23, 2012, three (3) soil samples (East Wall #2, West Wall #2, and South Wall #1) were collected from the sidewalls of Excavation 2 and submitted to the laboratory for analysis of TPH and chloride concentrations. Soil sample East Wall #2 was also analyzed for BTEX concentrations. Laboratory analytical results indicated TPH concentrations ranged from less than the laboratory MDL in soil samples West Wall #2 and South Wall #1 to 167 mg/Kg in soil sample East Wall #2. Chloride concentrations ranged from 640 mg/Kg in soil sample West Wall #2 to 880 mg/Kg in soil sample South Wall #1. BTEX constituent concentrations in soil sample East Wall #2 were less than the appropriate laboratory MDL.

On April 2, 2012, a twenty (20) mil polyurethane liner was installed in the floor of Excavation 2 at approximately five feet (5') bgs. Approximately six inches (6") of non-impacted pad sand was installed both above and below the liner to protect the liner from damage during installation and backfilling activities.

Based on laboratory analytical results and field screens, from April 3 through April 10, 2012, Excavation 2 was backfilled in eighteen-inch (18") lifts, compacted, and contoured to fit the surrounding grade. Prior to backfilling, final dimensions of the excavation were approximately one hundred and seventy-four feet (174') in length, ranging in width from approximately fifty-four feet (54') to approximately sixty-one feet (61'), and approximately five feet (5') in depth.

4.0 QA/QC PROCEDURES

4.1 Soil Sampling

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

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

4.2 Decontamination of Equipment

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

4.3 Laboratory Protocol

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

5.0 SITE CLOSURE REQUEST

Soil samples collected from Excavations 1 and 2 were analyzed by an NMOCD-approved laboratory. Concentrations of benzene, BTEX, TPH, and chloride in the soil samples collected from the floor and sidewalls of Excavation 1 were below the regulatory remediation action levels established for the site.

Concentrations of benzene, BTEX, TPH, and chloride in the soil samples collected from the sidewalls of Excavation 2 were below the regulatory remediation action levels established for the site. A twenty (20) mil polyurethane liner was installed in the floor of Excavation 2 at approximately five feet (5') bgs to inhibit the downward migration of contaminants in the areas represented by soil borings SB-4, SB-5, and SB-6.

Based on laboratory analytical results, Basin recommends BOPCO provide the NMOCD Artesia District Office and the NMSLO a copy of this *Remediation Summary & Risk-Based Site Closure Request* and request the NMOCD grant site closure to the PLU #79 release site.

6.0 LIMITATIONS

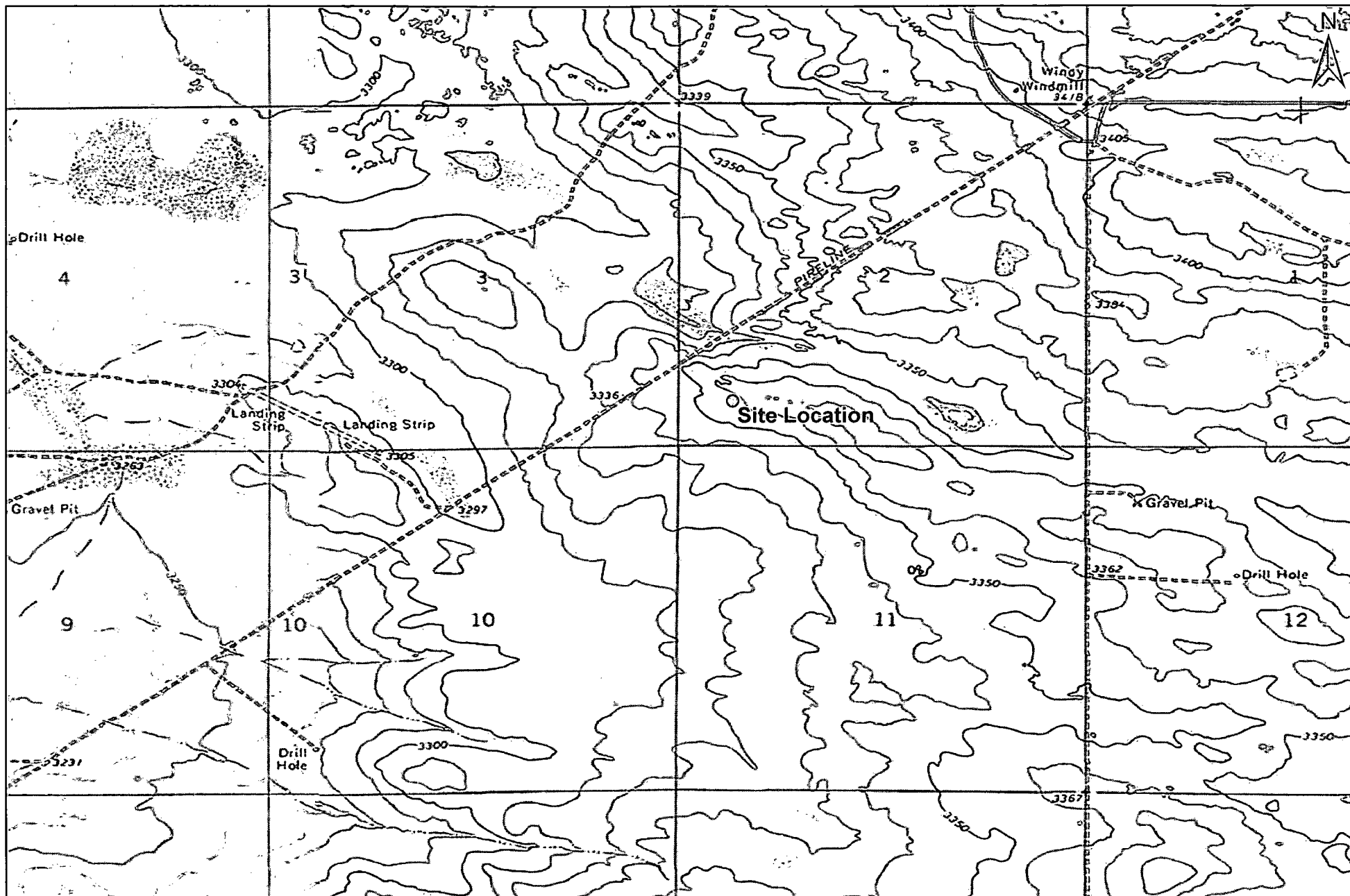
Basin Environmental Service Technologies, LLC, has prepared this *Remediation Summary & Risk-Based Site Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Basin has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Basin has not conducted an independent examination of the facts contained in referenced materials and statements. Basin has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Basin has prepared this report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Basin 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, LP. 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 Service Technologies, LLC, and/or BOPCO, LP.

7.0 DISTRIBUTION:

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Lovington, New Mexico 88260

Figures



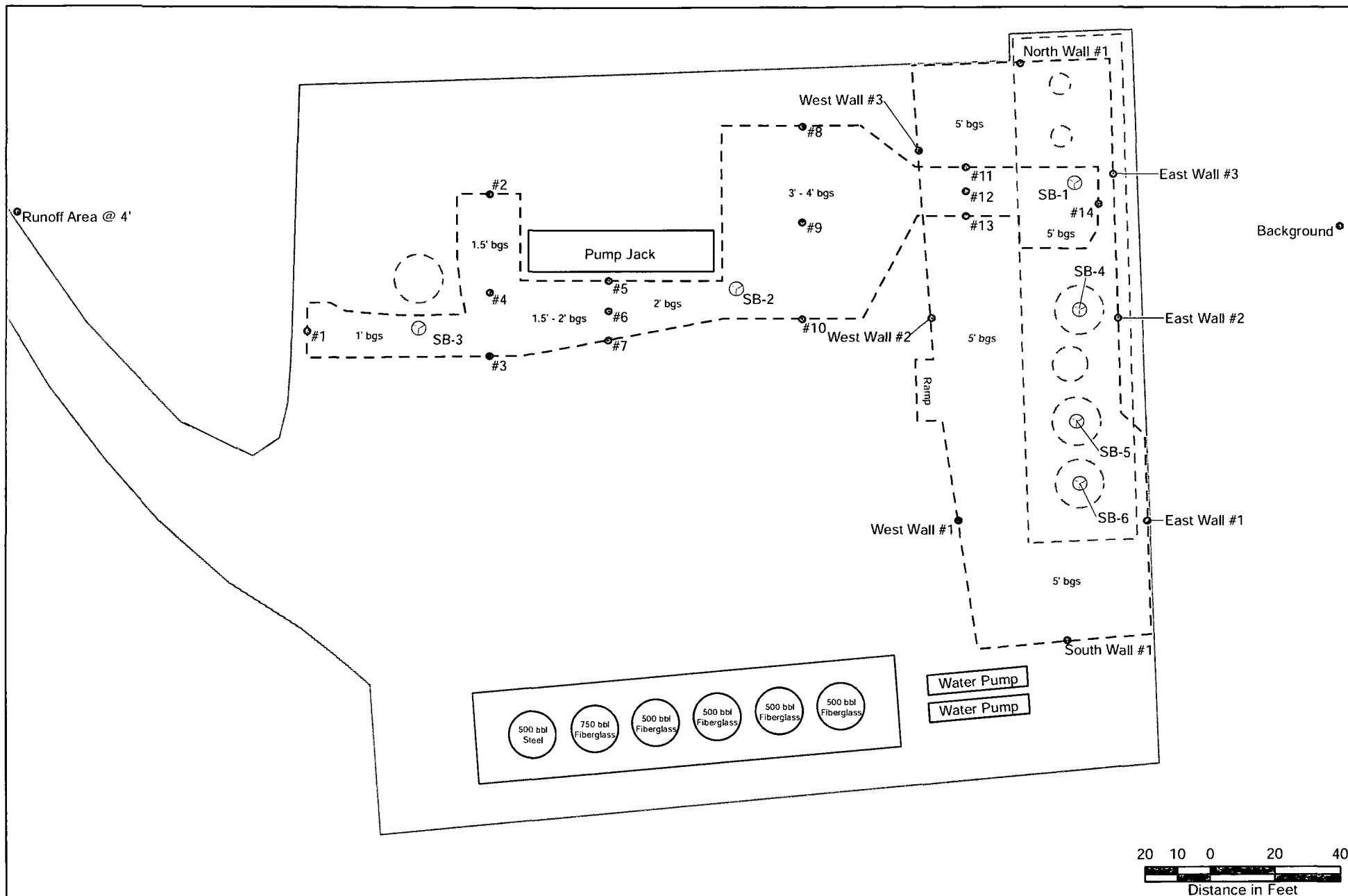
1,000 500 0 1,000 2,000
 Distance in Feet

Figure 1
Site Location Map
BOPCO, LP
Poker Lake Unit #79
Eddy County, New Mexico



Basin Environmental Service Technologies, LLC
 3100 Plains Hwy.
 Lovington, NM 88260

Drawn By: BJA	Checked By: BRB
May 17, 2012	Scale: 1" = 2000'



<div>Legend</div> <div><div><div>- - -</div>Excavation 1</div><div><div>- - -</div>Excavation 2</div><div><div>- - -</div>Historic Structure</div><div><div>————</div>Caliche Pad/Road</div><div><div>————</div>Containment Area</div></div> <div><div>●</div>Sample Location</div> <div><div>⊗</div>Soil Bore</div>	<div>Figure 2</div> <div>Site & Sample Location Map</div> <div>BOPCO, LP</div> <div>Poker Lake Unit #79</div> <div>Eddy County, New Mexico</div>	<div><div><div><div>Basin Environmental</div><div>Service Technologies</div></div><div><div>Effective Solutions</div></div></div><div>Basin Environmental Service Technologies, LLC</div><div>3100 Plains Hwy.</div><div>Lovington, NM 88260</div></div> <div><table><tr><td>Drawn By: BJA</td><td>Checked By: BRB</td></tr><tr><td>May 23, 2012</td><td>Scale: 1" = 40'</td></tr></table></div>	Drawn By: BJA	Checked By: BRB	May 23, 2012	Scale: 1" = 40'
Drawn By: BJA	Checked By: BRB					
May 23, 2012	Scale: 1" = 40'					

Tables

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

BOPCO, LP
POKER LAKE UNIT #79
EDDY COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M			TOTAL TPH C ₆ -C ₃₅ (mg/Kg)	E 300 CHLORIDE (mg/Kg)
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	ORO C ₂₈ -C ₃₅ (mg/Kg)		
SB-1 @ 5'	5'	5/19/2011	In-Situ	-	-	-	-	-	<10.0	29.0	<10.0	29.0	-
SB-1 @ 10'	10'	5/19/2011	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	<10.0	<10.0	<10.0	-
SB-1 @ 15'	15'	5/19/2011	In-Situ	-	-	-	-	-	-	-	-	-	1,760
SB-1 @ 20'	20'	5/19/2011	In-Situ	-	-	-	-	-	-	-	-	-	544
SB-1 @ 25'	25'	5/19/2011	In-Situ	-	-	-	-	-	-	-	-	-	336
SB-2 @ 5'	5'	5/19/2011	In-Situ	-	-	-	-	-	<10.0	80.4	<10.0	80.4	-
SB-2 @ 10'	10'	5/19/2011	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	<10.0	<10.0	<10.0	-
SB-2 @ 15'	15'	5/19/2011	In-Situ	-	-	-	-	-	-	-	-	-	1,760
SB-2 @ 20'	20'	5/19/2011	In-Situ	-	-	-	-	-	-	-	-	-	592
SB-2 @ 25'	25'	5/19/2011	In-Situ	-	-	-	-	-	-	-	-	-	608
SB-3 @ 5'	5'	5/19/2011	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	-
SB-3 @ 10'	10'	5/19/2011	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	<10.0	<10.0	<10.0	-
SB-3 @ 15'	15'	5/19/2011	In-Situ	-	-	-	-	-	-	-	-	-	96.0
SB-3 @ 20'	20'	5/19/2011	In-Situ	-	-	-	-	-	-	-	-	-	32.0
Runoff Area @ 4'	4'	5/19/2011	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	32.0
Background	6"	5/19/2011	In-Situ	-	-	-	-	-	-	-	-	-	<16.0
Sample #1	1'	1/5/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	624
Sample #2	1.5'	1/5/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	736
Sample #3	1.5'	1/5/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	272
Sample #4	1.5'	1/5/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	272
Sample #5	2'	1/6/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	288
Sample #6	2'	1/6/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	288
Sample #7	2'	1/6/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	560
Sample #8	4'	1/6/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	64.0
Sample #9	4'	1/6/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	320
Sample #10	4'	1/6/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	64.0
Sample #11	4'	1/9/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	448
Sample #12	4'	1/9/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	400
Sample #13	4'	1/9/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	672
Sample #14	5'	1/9/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	976

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

BOPCO, LP
POKER LAKE UNIT #79
EDDY COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M			TOTAL TPH C ₆ -C ₃₅ (mg/Kg)	E 300 CHLORIDE (mg/Kg)
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	ORO C ₂₈ -C ₃₅ (mg/Kg)		
SB-4 @ 5'	5'	3/7/2012	In-Situ	-	-	-	-	-	229	2,020	437	2,686	15,600
SB-4 @ 10'	10'	3/7/2012	In-Situ	-	-	-	-	-	<10.0	18.9	<10.0	18.9	-
SB-4 @ 15'	15'	3/7/2012	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	<10.0	<10.0	<10.0	4,240
SB-4 @ 20'	20'	3/7/2012	In-Situ	-	-	-	-	-	-	-	-	-	624
SB-4 @ 25'	25'	3/7/2012	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	<10.0	<10.0	<10.0	240
SB-5 @ 5'	5'	3/7/2012	In-Situ	-	-	-	-	-	<10.0	200	33.7	234	704
SB-5 @ 10'	10'	3/7/2012	In-Situ	-	-	-	-	-	<10.0	15.2	<10.0	15.2	-
SB-5 @ 15'	15'	3/7/2012	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	26.8	<10.0	26.8	1,420
SB-5 @ 20'	20'	3/7/2012	In-Situ	-	-	-	-	-	-	-	-	-	592
SB-5 @ 25'	25'	3/7/2012	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	<10.0	<10.0	<10.0	768
SB-6 @ 5'	5'	3/7/2012	In-Situ	-	-	-	-	-	2,210	4,620	620	7,450	12,000
SB-6 @ 15'	15'	3/7/2012	In-Situ	-	-	-	-	-	<10.0	340	56.8	397	-
SB-6 @ 20'	20'	3/7/2012	In-Situ	-	-	-	-	-	-	-	-	-	1,020
SB-6 @ 25'	25'	3/7/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	608
SB-6 @ 30'	30'	3/7/2012	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	<10.0	<10.0	<10.0	416
North Wall #1	4'	3/15/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	560
East Wall #1	4'	3/15/2012	In-Situ	-	-	-	-	-	<10.0	17.7	<10.0	17.7	832
East Wall #3	4'	3/15/2012	In-Situ	-	-	-	-	-	<10.0	126	40.4	166.4	912
West Wall #1	4'	3/15/2012	In-Situ	-	-	-	-	-	<10.0	20.1	<10.0	20.1	512
West Wall #3	4'	3/15/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	624
East Wall #2	4'	3/23/2012	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	167	<10.0	167	752
West Wall #2	4'	3/23/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	640
South Wall #1	4'	3/23/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	880
NMOC D Criteria				10				50				5,000	

- = Not analyzed.

Appendices

Appendix A

Release Notification &

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
120 S. St. Francis Dr., Santa Fe, NM 87505

NMOCD original
BLM original
State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Basin Copy

Form C-141
Revised October 10, 2000

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company BOPCO, L.P.	Contact Tony Savoie
Address 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220	Telephone No. 432-556-8730
Facility Name Poker Lake Unit #79	Facility Type E&P

Surface Owner State of New Mexico	Mineral Owner State of New Mexico	Lease No. B-10679
-----------------------------------	-----------------------------------	-------------------

LOCATION OF RELEASE

Unit Letter M	Section 2	Township 25S	Range 30E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
------------------	--------------	-----------------	--------------	---------------	------------------	---------------	----------------	----------------

Latitude N 32.154414 Longitude W 103.857821

NATURE OF RELEASE

Type of Release: Produced water and crude oil	Volume of Release: 40 bbls produced water and 20 bbls crude oil	Volume Recovered: 10 bbls total fluid
Source of Release: Heater Treater	Date and Hour of Occurrence 5/2/11, Hour unknown	Date and Hour of Discovery 5/2/11 10:00 a.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher via Voice Mail	
By Whom? Tony Savoie	Date and Hour 5/2/11 10:51 a.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse	

RECEIVED

MAY 04 2011

NMOCD ARTESIA

a Watercourse was Impacted, Describe Fully.

Describe Cause of Problem and Remedial Action Taken. * A gasket failed on the heater treater fire tube. The heater was isolated and crews are working to replace the gasket.

Describe Area Affected and Cleanup Action Taken. *The caliche pad around the pumping well and tank battery location had isolated pockets of produced water and crude oil, the liquid also traveled down a lease road for approximately 360 ft. The entire area of the well pad and battery location was also covered with a fine mist of crude oil and produced water; this was approximately 67,500 sq. ft. The pasture land located to the South West of the battery was also affected with the fine mist of crude oil and produced water; this area was approximately 33,600 sq. ft. All of the free standing fluid was picked up with a vacuum truck. The saturated soil was scraped up and stockpiled on the caliche well pad. The pasture area was left alone. The Site remediation for the produced water and crude oil spill will follow the NMOCD guidelines for leaks and spills.

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

OIL CONSERVATION DIVISION

Signature:

Tony Savoie

Printed Name: Tony Savoie

Approved by District Supervisor:

Title: Waste Mgmt. & Remediation Specialist

Approval Date:

Expiration Date:

E-mail Address: TASavoie@BassPet.com

Conditions of Approval:

Attached ☐

Date: 5/3/11

Phone: 432-556-8730

Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	BOPCO, LP	Contact	Tony Savoie
Address	522 W. Mermod, Suite 704 Carlsbad, NM 88220	Telephone No.	(432) 556-8730
Facility Name	Poker Lake Unit #79	Facility Type	E & P

Surface Owner Federal	Mineral Owner: Federal	Lease No. B-10679
-----------------------	------------------------	-------------------

LOCATION OF RELEASE

Unit Letter M	Section 2	Township 25S	Range 30E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
------------------	--------------	-----------------	--------------	---------------	------------------	---------------	----------------	----------------

Latitude N 32.154414 Longitude W 103.857821

NATURE OF RELEASE

Type of Release	Produced water and crude oil	Volume of Release: 40 bbls of produced water and 20 bbls of crude oil.	Volume Recovered: 10 bbls total fluid
Source of Release: Heater Treater	Date and Hour of Occurrence 5/2/11, Hour unknown	Date and Hour of Discovery 5/2/11 10:00 a.m.	
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Not Required	If YES, To Whom? Mike Bratcher via voicemail		
By Whom? Tony Savoie	Date and Hour: 5/2/11 10:51 a.m.		
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.		

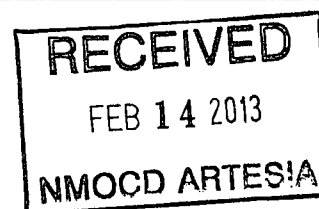
If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* A gasket failed on the heater treater fire tube. During initial response activities, the heater was isolated, and the gasket was replaced.

Describe Area Affected and Cleanup Action Taken.* The caliche pad around the pumping well and tank battery location had isolated packets of produced water and crude oil. The liquid also travelled down a lease road for approximately 360 ft. The entire area of the well pad and battery location was also covered with a fine mist of crude oil and produced water; this was approximately 67,500 sq. ft. The pasture land located to the South West of the battery was also affected with the fine mist of crude oil and produced water; this area was approximately 33,600 sq. ft. The release was remediated as per NMOCD guidelines. Please see the attached *Remediation Summary & Risk-Based Site Closure Request*, dated May 2012, for details of remediation activities and laboratory analytical results from confirmation soil samples.

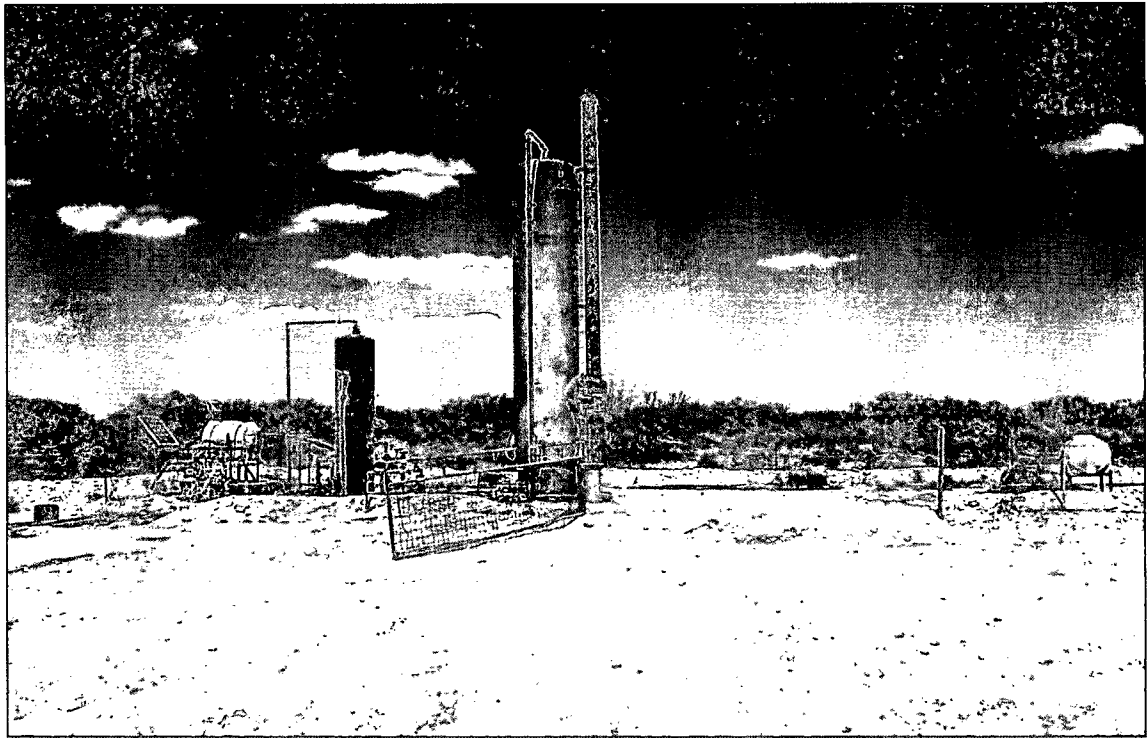
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases, which may endanger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

Signature:		OIL CONSERVATION DIVISION	
Printed Name: <u>Ben S. Aragon (Agent of BOPCO, LP)</u>		Approved by District Supervisor:	
Title: <u>Project Manager, Basin Environmental</u>		Approval Date:	Expiration Date:
E-mail Address: <u>tasavoie@basspet.com</u> <u>bsaragon@basspet.com</u>		Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>2/14/13</u> Phone: (432) 556-8730 (806) 549-9597			



Appendix B

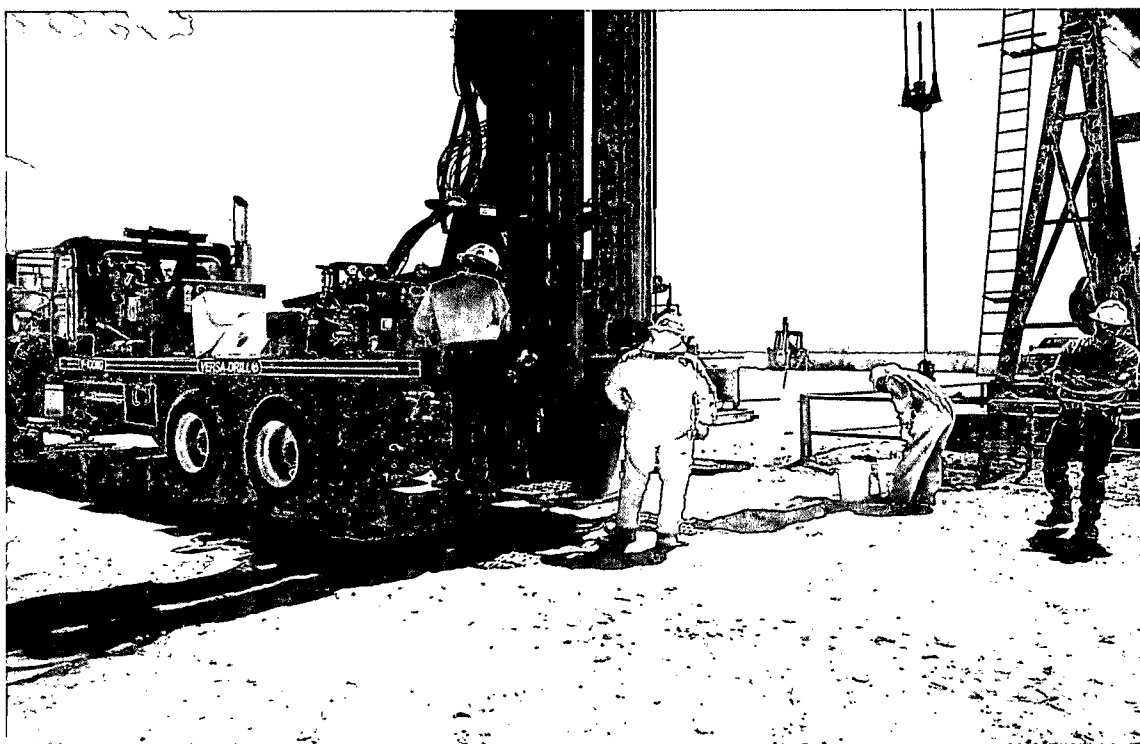
Photographs



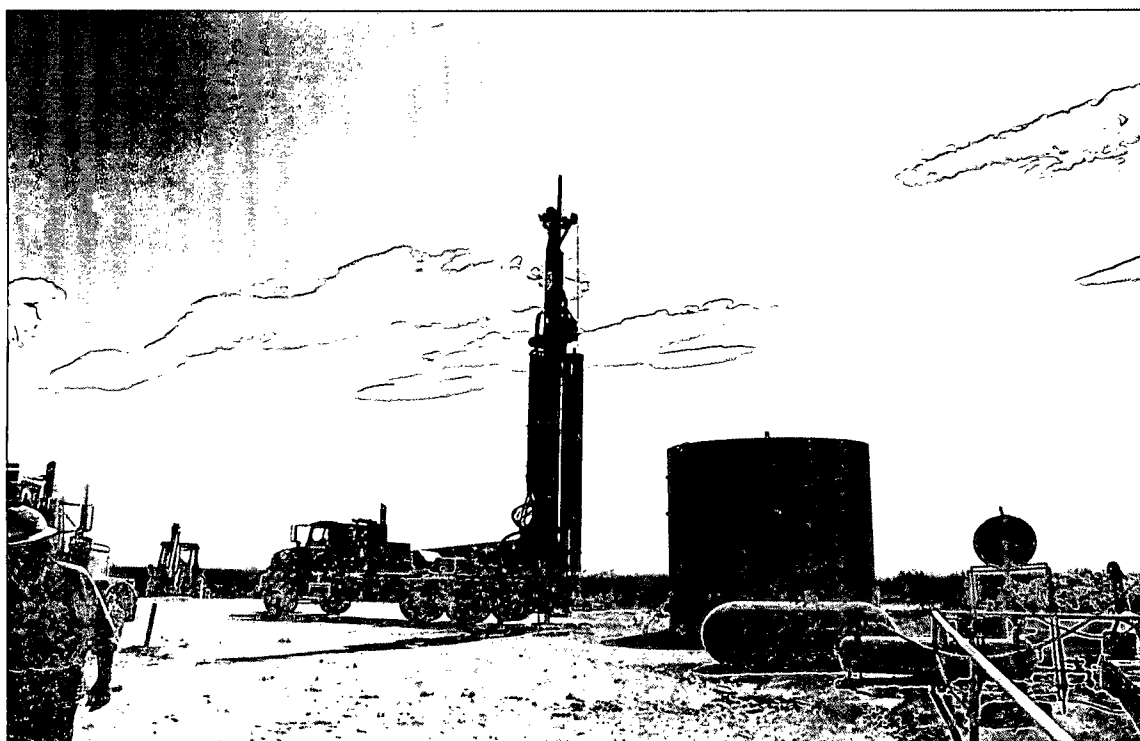
Poker Lake Unit #79 - Release Point



Poker Lake Unit #79 - Soil Boring SB-1



Poker Lake Unit #79 - Advancement of Soil Boring SB-2



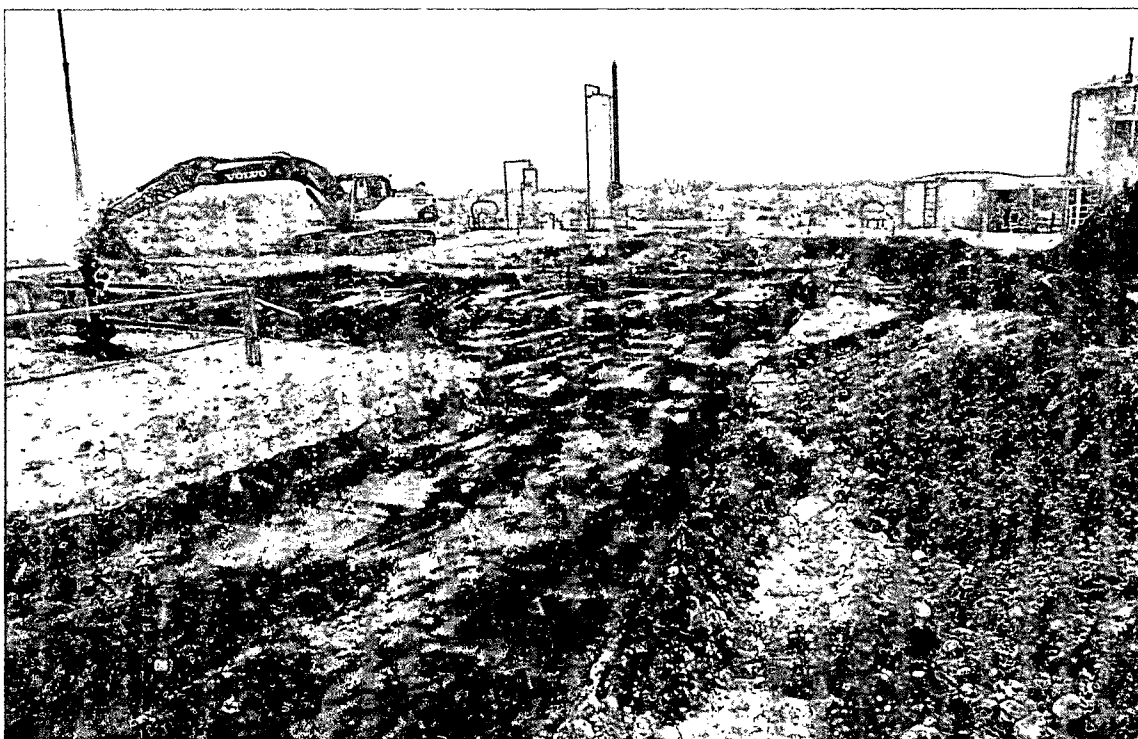
Poker Lake Unit #79 - Advancement of Soil Boring SB-3



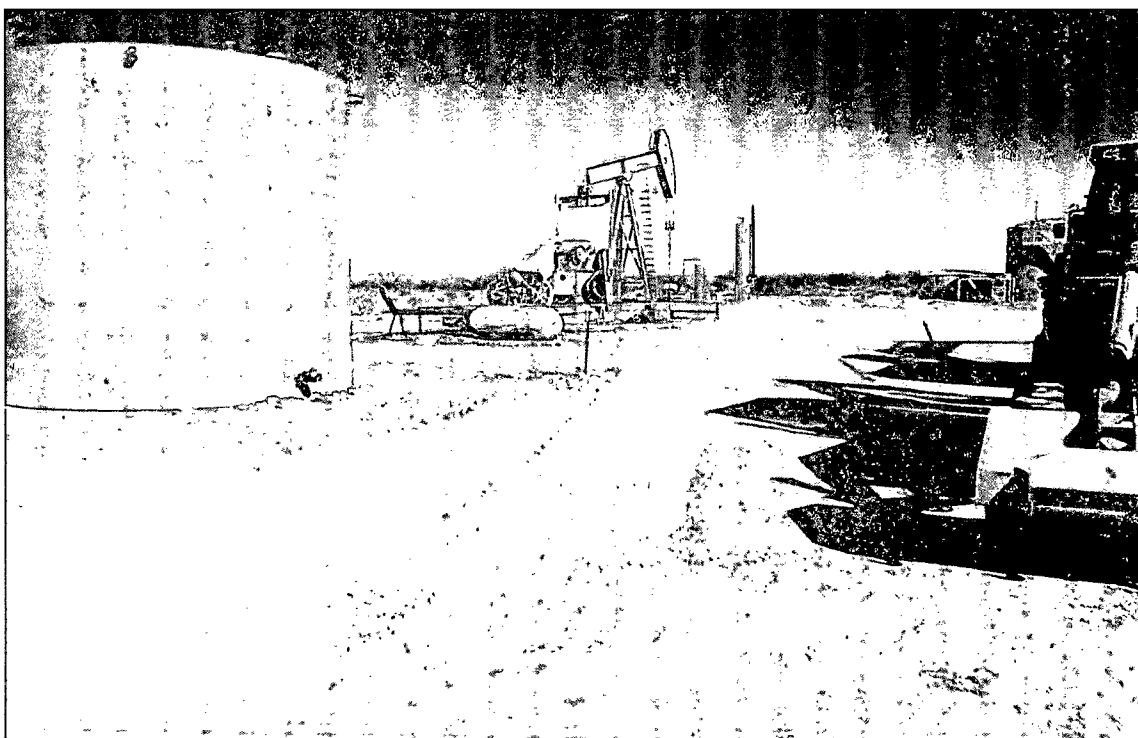
Poker Lake Unit #79 - Excavation 1 (Looking East-northeast)



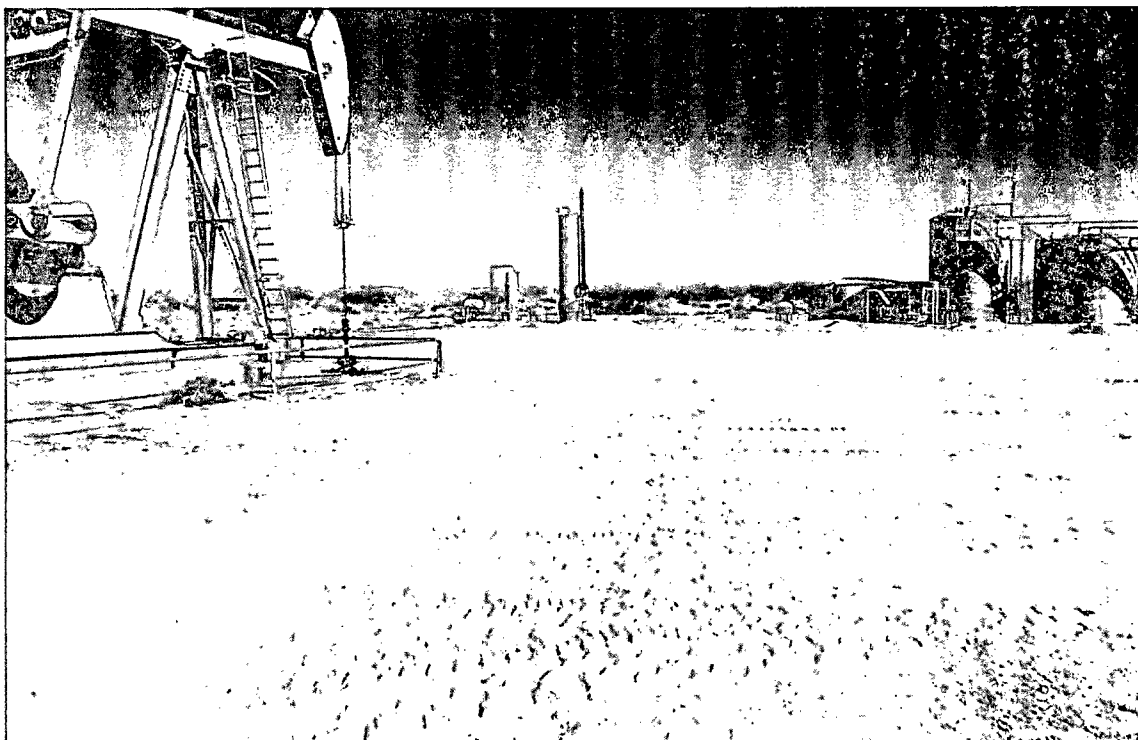
Poker Lake Unit #79 - Excavation 1 (Looking North-northeast)



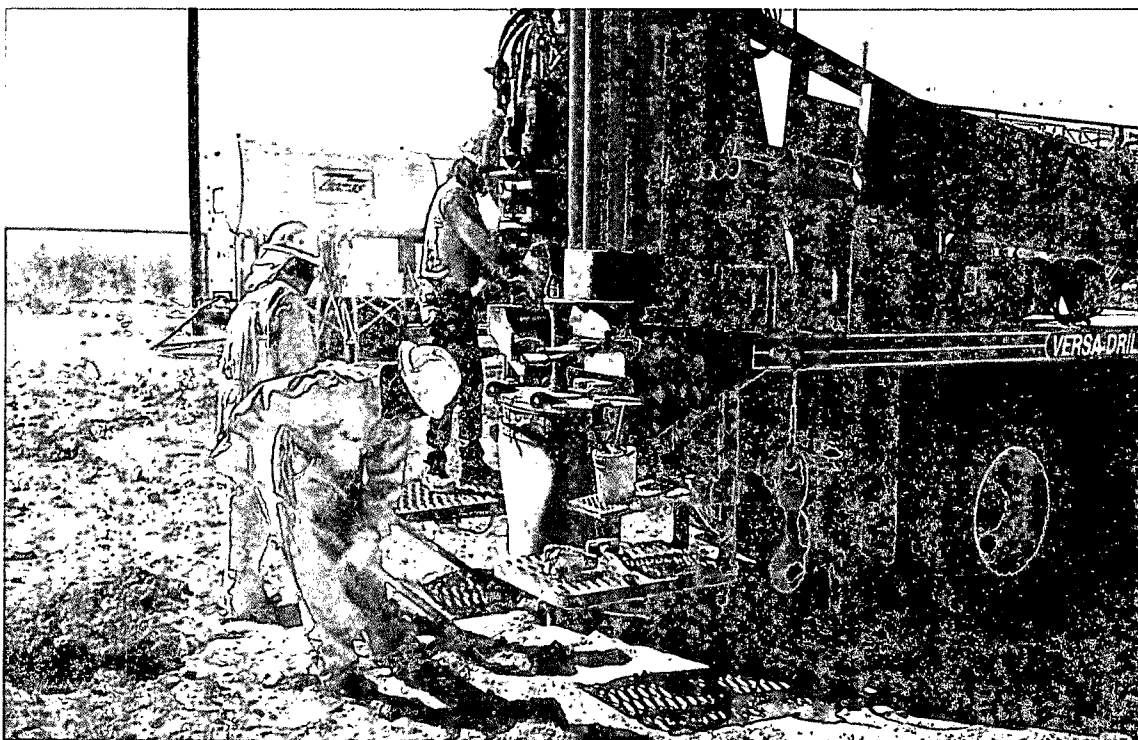
Poker Lake Unit #79 - Excavation 1 (Looking East-northeast)



Poker Lake Unit #79 - Excavation 1, Following Backfill (Looking Northeast)



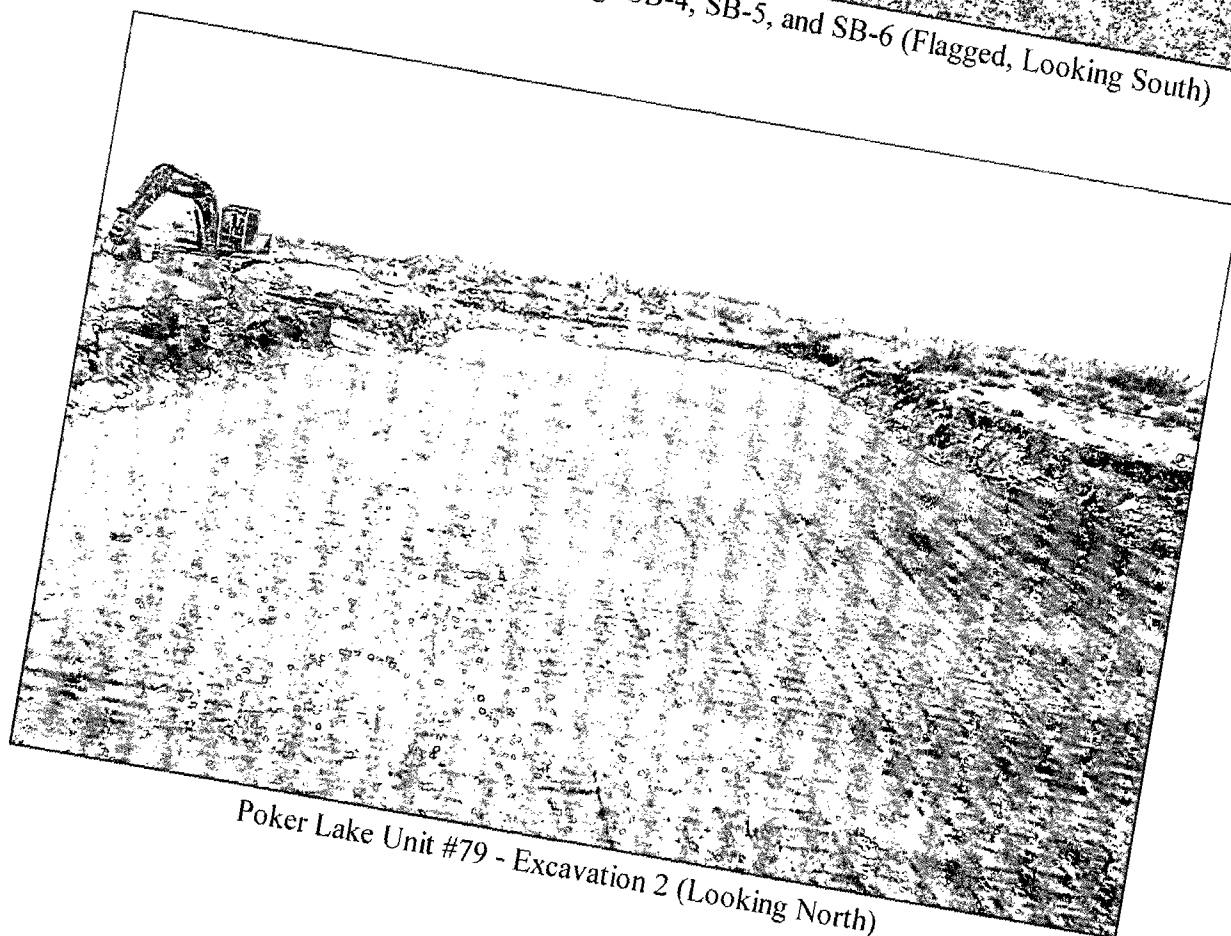
Poker Lake Unit #79 - Excavation 1, Following Backfill (Looking Northeast)



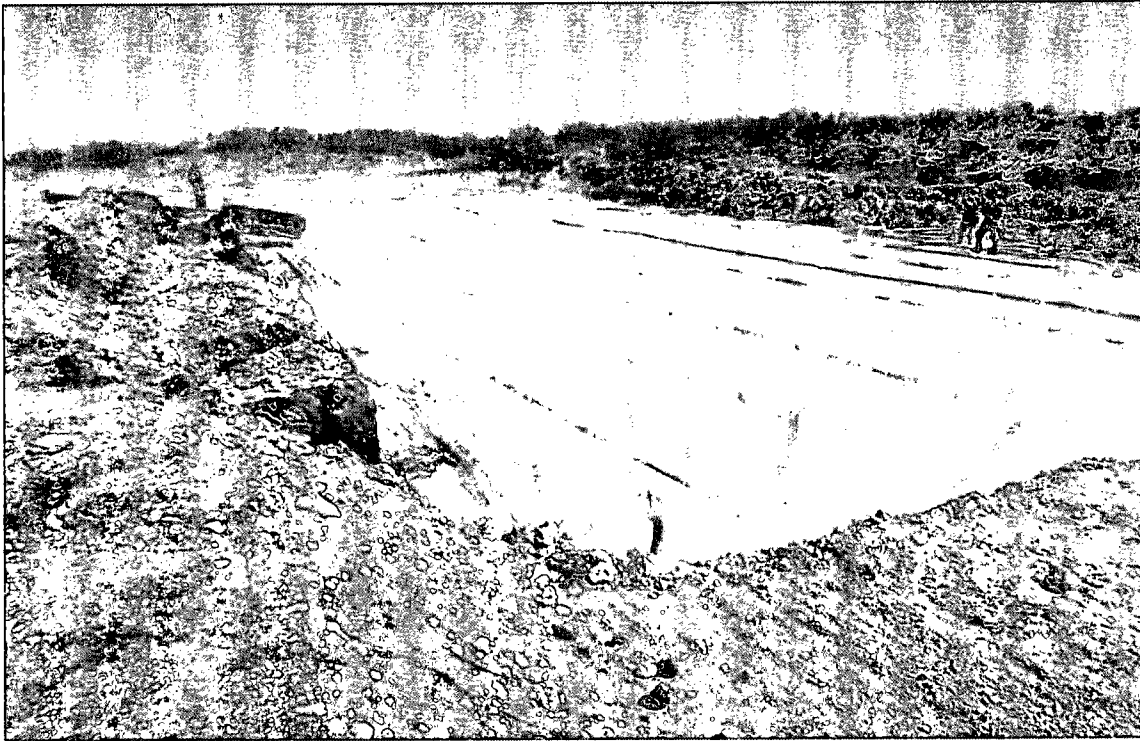
Poker Lake Unit #79 - Advancement of Soil Boring SB-5



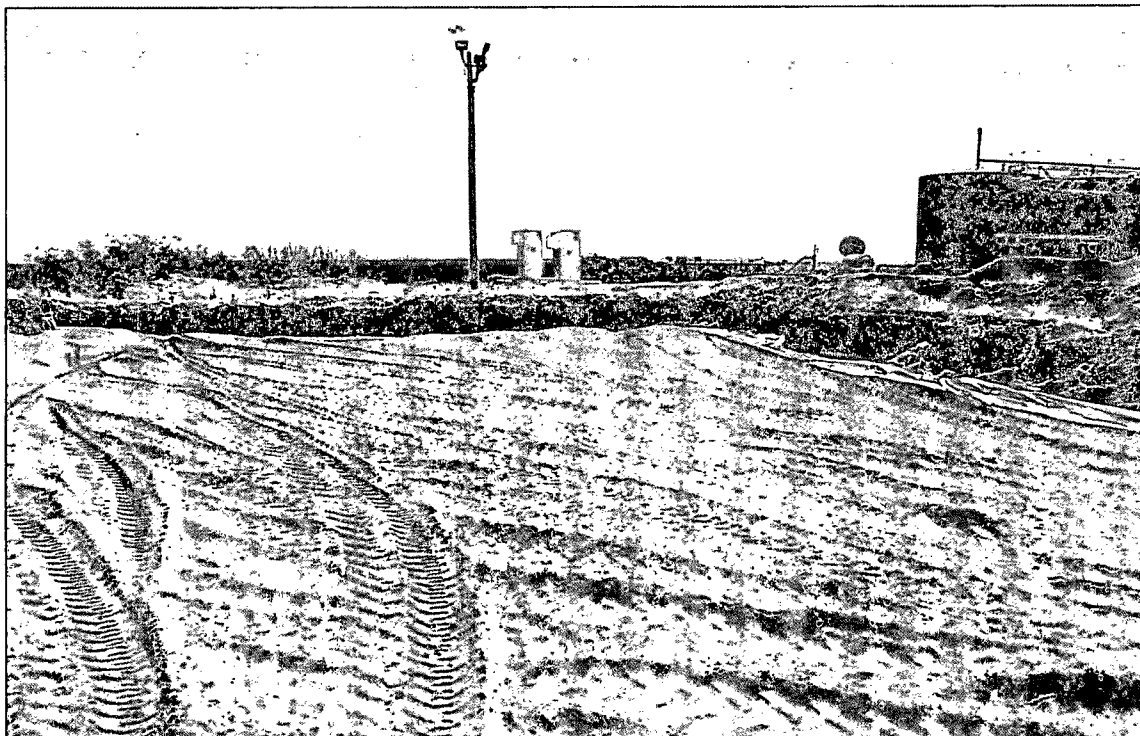
Poker Lake Unit #79 - Soil Borings SB-4, SB-5, and SB-6 (Flagged, Looking South)



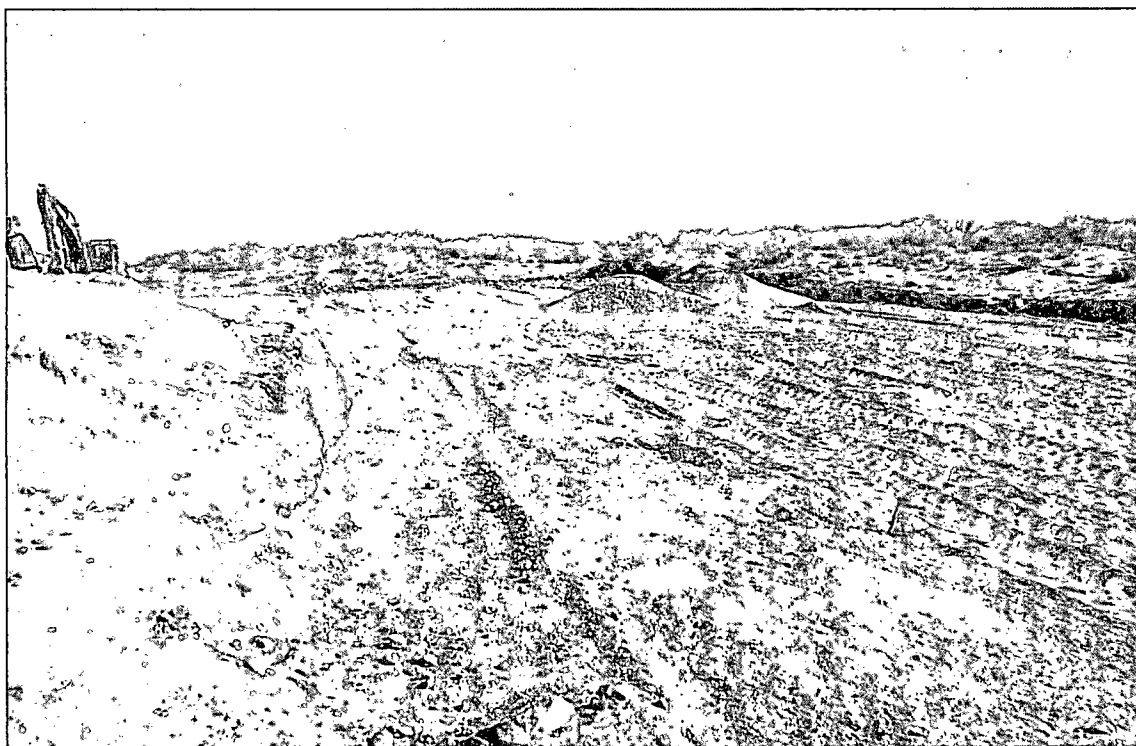
Poker Lake Unit #79 - Excavation 2 (Looking North)



Poker Lake Unit #79 - Excavation 2, Liner Installation (Looking Northeast)



Poker Lake Unit #79 - Excavation 2, Pad Sand Installation (Looking South-southwest)



Poker Lake Unit #79 - Excavation 2, Backfilling Activities (Looking North-northeast)






Poker Lake Unit #79 - Excavation 2, Following Backfill (Looking Southeast)

Appendix C

Soil Boring & Monitor Well Logs

Soil Boring SB-1

Depth Below Ground Surface	Soil Column	Chloride Field Test	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description	Boring SB-1
0						0' - 1' - Caliche	Date Drilled <u>May 19, 2011</u>
5		532		None	None		Thickness of Bentonite Seal <u>25 Ft</u>
10		580		None	None	1' - 17' - Tan fine sand - caliche - sandstone	Depth of Exploratory Boring <u>25 Ft bgs</u>
15		1,584		None	None		Depth to Groundwater _____
20		444		None	None	17' - 25' - Tan fine sand	Ground Water Elevation _____
25				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 soil boring 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, LP
 Poker Lake Unit #79
 Eddy County, New Mexico






Basin Environmental Service Technologies, LLC
 3100 Plains Hwy.
 Lovington, NM 88260

Prep By: BJA	Checked By: BRB
May 14, 2012	

Soil Boring SB-2

Depth Below Ground Surface	Soil Column	Chloride Field Test	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description	Boring SB-2
0						0' - 1' - Caliche	Date Drilled <u>May 19, 2011</u>
5		(748)		None	None	1' - 4' - Red fine sand	Thickness of Bentonite Seal <u>25 Ft</u>
10		(444)		None	None	4' - 9' - Tan fine sand - caliche - sandstone	Depth of Exploratory Boring <u>25 Ft bgs</u>
15		(1,476)		None	None	9' - 20' - Tan sandstone	Depth to Groundwater _____
20		(532)		None	None	20' - 25' - Tan fine sand	Ground Water Elevation _____
25				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 soil boring 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, LP
Poker Lake Unit #79
Eddy County, New Mexico



Basin Environmental Service Technologies, LLC
 3100 Plains Hwy.
 Lovington, NM 88260

Prep By: BJA	Checked By: BRB
May 14, 2012	

Soil Boring SB-3

Depth Below Ground Surface	Soil Column	Chloride Field Test	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description	Boring SB-3
0						0' - 1' - Caliche - tan fine sand	Date Drilled <u>May 19, 2011</u>
5		580		None	None	1' - 8' - Red fine sand	Thickness of Bentonite Seal <u>25 Ft</u>
10		196		None	None		Depth of Exploratory Boring <u>25 Ft bgs</u>
15		112		None	None	8' - 19' - Tan fine sand - caliche - sandstone	Depth to Groundwater _____
20		<112		None	None		Ground Water Elevation _____
25		<112		None	None	19' - 25' - Tan fine sand	<div> <div>  Indicates the PSH level measured on _____ </div> <div>  Indicates the groundwater level measured on _____ </div> <div>  Indicates samples selected for Laboratory Analysis. </div> <div> PID Head-space reading in ppm obtained with a photo-ionization detector. </div> </div>

Completion Notes

- 1.) The soil boring 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, LP
Poker Lake Unit #79
Eddy County, New Mexico






Basin Environmental Service Technologies, LLC
 3100 Plains Hwy.
 Lovington, NM 88260

Prep By: BJA	Checked By: BRB
May 14, 2012	

Soil Boring SB-4

Depth Below Ground Surface	Soil Column	Chloride Field Test	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description	Boring SB-4
0		24,444	10.8	Moderate	Heavy		Date Drilled <u>March 7, 2012</u>
5			483	Moderate	Moderate	0' - 6' - Tan fine sand - sandstone - caliche	Thickness of Bentonite Seal <u>25 Ft</u>
10			6.9	None	None	6' - 16' - Tan fine sand - sandstone	Depth of Exploratory Boring <u>25 Ft bgs</u>
15		>2,428	2.6	None	None		Depth to Groundwater _____
20		412	0.4	None	None	16' - 25' - Tan fine sand	Ground Water Elevation _____
25		264		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 soil boring 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, LP
 Poker Lake Unit #79
 Eddy County, New Mexico






Basin Environmental Service Technologies, LLC
 3100 Plains Hwy.
 Lovington, NM 88260

Prep By: BJA	Checked By: BRB
March 16, 2012	

Soil Boring SB-5

Depth Below Ground Surface	Soil Column	Chloride Field Test	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description	Boring SB-5
0		15,436	22.0	Moderate	Moderate		Date Drilled <u>March 7, 2012</u>
5			449	Slight	None	0' - 6' - Tan fine sand - sandstone - caliche	Thickness of Bentonite Seal <u>25 Ft</u>
10			18.6	None	None	6' - 14' - Tan fine sand - calcified sandstone	Depth of Exploratory Boring <u>25 Ft bgs</u>
15			23.7	None	None		Depth to Groundwater _____
20		820	1.5	None	None	14' - 25' - Tan fine sandstone	Ground Water Elevation _____
25		644	1.6	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 soil boring 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, LP
 Poker Lake Unit #79
 Eddy County, New Mexico






Basin Environmental Service Technologies, LLC
 3100 Plains Hwy.
 Lovington, NM 88260

Prep By: BJA	Checked By: BRB
March 16, 2012	

Soil Boring SB-6

Depth Below Ground Surface	Soil Column	Chloride Field Test	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description	Boring SB-6
0		336	17.0	Moderate	Heavy	0' - 3' - Tan fine sand - sandstone - caliche	Date Drilled <u>March 7, 2012</u>
5			(1,759)	Moderate	Moderate		Thickness of Bentonite Seal <u>30 Ft</u>
10			245	None	None	3' - 14' - Tan fine sand - calcified sandstone	Depth of Exploratory Boring <u>30 Ft bgs</u>
15			(929)	None	None		Depth to Groundwater _____
20		(1,104)	(20.6)	None	None	14' - 25' - Tan fine sandstone	Ground Water Elevation _____
25		(544)	(3.8)	None	None		
30		(452)	(1.0)	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 soil boring 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, LP
 Poker Lake Unit #79
 Eddy County, New Mexico



Basin Environmental Service Technologies, LLC
 3100 Plains Hwy.
 Lovington, NM 88260

Prep By: BJA	Checked By: BRB
March 16, 2012	

Appendix D

Laboratory Analytical Reports

May 25, 2011

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: POKER LAKE UNIT #79

Enclosed are the results of analyses for samples received by the laboratory on 05/23/11 16:15.

Cardinal Laboratories is accredited through Texas NELAP for:

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

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

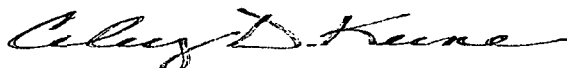
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/23/2011	Sampling Date:	05/19/2011
Reported:	05/25/2011	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT #79	Sampling Condition:	Cool & Intact
Project Number:	PLU #79	Sample Received By:	Jodi Henson
Project Location:	EDDY CO., NM		

Sample ID: SB 1 @ 5' (H101050-01)

TPH 8015M	mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/25/2011	ND	216	108	200	0.355	
DRO >C10-C28	29.0	10.0	05/25/2011	ND	188	93.8	200	1.10	
EXT DRO >C28-C35	<10.0	10.0	05/25/2011	ND					
<hr/>									
Surrogate: 1-Chlorooctane	103 %	70-130							
Surrogate: 1-Chlorooctadecane	95.1 %	70-130							

Sample ID: SB 1 @ 10' (H101050-02)

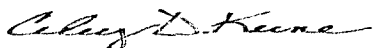
BTEX 8021B	mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2011	ND	2.16	108	2.00	1.14	
Toluene*	<0.050	0.050	05/24/2011	ND	2.06	103	2.00	1.29	
Ethylbenzene*	<0.050	0.050	05/24/2011	ND	2.11	106	2.00	0.484	
Total Xylenes*	<0.150	0.150	05/24/2011	ND	6.27	105	6.00	1.62	
<hr/>									
Surrogate: 4-Bromofluorobenzene (PIL)	92.4 %	70-130							

TPH 8015M	mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/25/2011	ND	216	108	200	0.355	
DRO >C10-C28	<10.0	10.0	05/25/2011	ND	188	93.8	200	1.10	
EXT DRO >C28-C35	<10.0	10.0	05/25/2011	ND					
<hr/>									
Surrogate: 1-Chlorooctane	102 %	70-130							

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 05/23/2011
Reported: 05/25/2011
Project Name: POKER LAKE UNIT #79
Project Number: PLU #79
Project Location: EDDY CO., NM

Sampling Date: 05/19/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SB 1 @ 10' (H101050-02)

TPH 8015M	mg/kg	Analyzed By: AB							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Surrogate: 1-Chlorooctadecane	95.8 %	70-130							

Sample ID: SB 1 @ 15' (H101050-03)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	05/24/2011	ND	448	112	400	3.51	

Sample ID: SB 1 @ 20' (H101050-04)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	05/24/2011	ND	448	112	400	3.51	

Sample ID: SB 1 @ 25' (H101050-05)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	05/24/2011	ND	448	112	400	3.51	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/23/2011	Sampling Date:	05/19/2011
Reported:	05/25/2011	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT #79	Sampling Condition:	Cool & Intact
Project Number:	PLU #79	Sample Received By:	Jodi Henson
Project Location:	EDDY CO., NM		

Sample ID: SB 2 @ 5' (H101050-06)


TPH 8015M	mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/25/2011	ND	216	108	200	0.355	
DRO >C10-C28	80.4	10.0	05/25/2011	ND	188	93.8	200	1.10	
EXT DRO >C28-C35	<10.0	10.0	05/25/2011	ND					

Surrogate: 1-Chlorooctane	106 %	70-130
Surrogate: 1-Chlorooctadecane	93.1 %	70-130

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/23/2011	Sampling Date:	05/19/2011
Reported:	05/25/2011	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT #79	Sampling Condition:	Cool & Intact
Project Number:	PLU #79	Sample Received By:	Jodi Henson
Project Location:	EDDY CO., NM		

Sample ID: SB 2 @ 10' (H101050-07)

BTEx 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2011	ND	2.16	108	2.00	1.14	
Toluene*	<0.050	0.050	05/24/2011	ND	2.06	103	2.00	1.29	
Ethylbenzene*	<0.050	0.050	05/24/2011	ND	2.11	106	2.00	0.484	
Total Xylenes*	<0.150	0.150	05/24/2011	ND	6.27	105	6.00	1.62	

Surrogate: 4-Bromofluorobenzene (PIL) 96.5 % 70-130

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/25/2011	ND	216	108	200	0.355	
DRO >C10-C28	<10.0	10.0	05/25/2011	ND	188	93.8	200	1.10	
EXT DRO >C28-C35	<10.0	10.0	05/25/2011	ND					

Surrogate: 1-Chlorooctane 98.5 % 70-130

Surrogate: 1-Chlorooctadecane 92.4 % 70-130

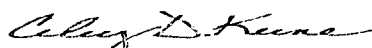
Sample ID: SB 2 @ 15' (H101050-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	05/24/2011	ND	448	112	400	3.51	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/23/2011	Sampling Date:	05/19/2011
Reported:	05/25/2011	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT #79	Sampling Condition:	Cool & Intact
Project Number:	PLU #79	Sample Received By:	Jodi Henson
Project Location:	EDDY CO., NM		

Sample ID: SB 2 @ 20' (H101050-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	05/24/2011	ND	448	112	400	3.51		

Sample ID: SB 2 @ 25' (H101050-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	05/24/2011	ND	448	112	400	3.51		

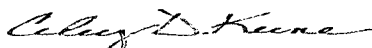
Sample ID: SB 3 @ 5' (H101050-11)

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/25/2011	ND	216	108	200	0.355	
DRO >C10-C28	<10.0	10.0	05/25/2011	ND	188	93.8	200	1.10	
EXT DRO >C28-C35	<10.0	10.0	05/25/2011	ND					
Surrogate: 1-Chlorooctane	98.1 %	70-130							
Surrogate: 1-Chlorooctadecane	87.7 %	70-130							

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/23/2011	Sampling Date:	05/19/2011
Reported:	05/25/2011	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT #79	Sampling Condition:	Cool & Intact
Project Number:	PLU #79	Sample Received By:	Jodi Henson
Project Location:	EDDY CO., NM		

Sample ID: SB 3 @ 10' (H101050-12)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/24/2011	ND	2.16	108	2.00	1.14		
Toluene*	<0.050	0.050	05/24/2011	ND	2.06	103	2.00	1.29		
Ethylbenzene*	<0.050	0.050	05/24/2011	ND	2.11	106	2.00	0.484		
Total Xylenes*	<0.150	0.150	05/24/2011	ND	6.27	105	6.00	1.62		

Surrogate: 4-Bromofluorobenzene (PIL) 95.2 % 70-130

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/25/2011	ND	216	108	200	0.355	
DRO >C10-C28	<10.0	10.0	05/25/2011	ND	188	93.8	200	1.10	
EXT DRO >C28-C35	<10.0	10.0	05/25/2011	ND					

Surrogate: 1-Chlorooctane 95.7 % 70-130

Surrogate: 1-Chlorooctadecane 86.1 % 70-130

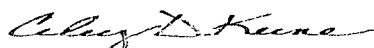
Sample ID: SB 3 @ 15' (H101050-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/24/2011	ND	448	112	400	3.51		

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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 05/23/2011
 Reported: 05/25/2011
 Project Name: POKER LAKE UNIT #79
 Project Number: PLU #79
 Project Location: EDDY CO., NM

 Sampling Date: 05/19/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SB 3 @ 20' (H101050-14)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/24/2011	ND	448	112	400	3.51	

Sample ID: RUNOFF AREA @ 4' (H101050-15)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/24/2011	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/25/2011	ND	216	108	200	0.355	
DRO >C10-C28	<10.0	10.0	05/25/2011	ND	188	93.8	200	1.10	
EXT DRO >C28-C35	<10.0	10.0	05/25/2011	ND					

 Surrogate: 1-Chlorooctane 102 % 70-130
 Surrogate: 1-Chlorooctadecane 90.7 % 70-130

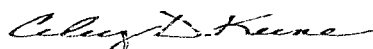
Sample ID: BACKGROUND (H101050-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/24/2011	ND	448	112	400	3.51	

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Celey D. Keene, Lab Director/Quality Manager

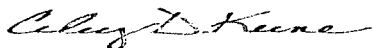
Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



1st 2

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

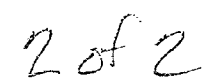
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Basin Environmental Service Technologies, LLC				BILL TO				ANALYSIS REQUEST											
Project Manager: Ben J. Arquiño				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">8015 NA</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chlorides</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> </div>											
Address: P.O. Box 301				Company: BOPCO, LP															
City: Lovington		State: NM Zip: 88260		Attn: Tony Savoie															
Phone #: (575) 396-2378		Fax #: (575) 396-1429		Address: 522 W. Mermod															
Project #: 2479		Project Owner: BOPCO, LP		City: Carlsbad															
Project Name: PE-4-29-01 Peder Lake Unit # 79				State: NM Zip: 88220															
Project Location: Eddy Co, NM				Phone #: (432) 556-8730															
Sampler Name: B. Arquiño				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP.)	# CONTAINERS	MATRIX				PRESERV.	SAMPLING										
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME					
H101050																			
1	SB1 @ 5'	X	1			X				X			5/19/11	1400	X				
2	SB1 @ 10'													1405	X				
3	SB1 @ 15'													1410		X			
4	SB1 @ 20'													1415		X			
5	SB1 @ 25'													1420		X			
6	SB2 @ 5'													1500	X				
7	SB2 @ 10'													1505	X	X			
8	SB2 @ 15'													1510		X			
9	SB2 @ 20'													1515		X			
10	SB2 @ 25'													1530		X			

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Relinquished By:	Date: 5/23/11	Received By: Jodi Newson	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1615		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)	Please email results to pm@basinenv.com & TASavoie@BassPet.com	
Sampler - UPS - Bus - Other:	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	0.00		

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



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

January 10, 2012

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: PLU 79

Enclosed are the results of analyses for samples received by the laboratory on 01/05/12 16:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 01/05/2012
Reported: 01/10/2012
Project Name: PLU 79
Project Number: NONE GIVEN
Project Location: EDDY, NM

Sampling Date: 01/05/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SAMPLE #1 (H200017-01)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	01/06/2012	ND	432	108	400	0.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/09/2012	ND	190	95.0	200	8.67	
DRO >C10-C28	<10.0	10.0	01/09/2012	ND	172	86.2	200	11.2	
EXT DRO >C28-C35	<10.0	10.0	01/09/2012	ND					
<i>Surrogate: 1-Chlorooctane</i>									
	140 %	55.5-154							
<i>Surrogate: 1-Chlorooctadecane</i>									
	163 %	57.6-158							

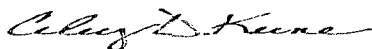
Sample ID: SAMPLE #2 (H200017-02)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	01/06/2012	ND	432	108	400	0.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/09/2012	ND	190	95.0	200	8.67	
DRO >C10-C28	<10.0	10.0	01/09/2012	ND	172	86.2	200	11.2	
EXT DRO >C28-C35	<10.0	10.0	01/09/2012	ND					
<i>Surrogate: 1-Chlorooctane</i>									
	147 %	55.5-154							
<i>Surrogate: 1-Chlorooctadecane</i>									
	170 %	57.6-158							

Cardinal Laboratories

*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 01/05/2012
Reported: 01/10/2012
Project Name: PLU 79
Project Number: NONE GIVEN
Project Location: EDDY, NM

Sampling Date: 01/05/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SAMPLE #3 (H200017-03)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/06/2012	ND	432	108	400	0.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/09/2012	ND	190	95.0	200	8.67	
DRO >C10-C28	<10.0	10.0	01/09/2012	ND	172	86.2	200	11.2	
EXT DRO >C28-C35	<10.0	10.0	01/09/2012	ND					
Surrogate: 1-Chlorooctane		139 %	55.5-154						
Surrogate: 1-Chlorooctadecane		161 %	57.6-158						

Sample ID: SAMPLE #4 (H200017-04)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/06/2012	ND	432	108	400	0.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/09/2012	ND	190	95.0	200	8.67	
DRO >C10-C28	<10.0	10.0	01/09/2012	ND	172	86.2	200	11.2	
EXT DRO >C28-C35	<10.0	10.0	01/09/2012	ND					
Surrogate: 1-Chlorooctane		140 %	55.5-154						
Surrogate: 1-Chlorooctadecane		162 %	57.6-158						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

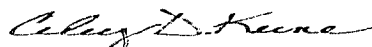
Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

[illegible]



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

January 11, 2012

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: PLU 79

Enclosed are the results of analyses for samples received by the laboratory on 01/06/12 16:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 01/06/2012
 Reported: 01/11/2012
 Project Name: PLU 79
 Project Number: NONE GIVEN
 Project Location: EDDY, NM

 Sampling Date: 01/06/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SAMPLE #5 (H200027-01)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	01/09/2012	ND	432	108	400	0.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/09/2012	ND	190	95.0	200	8.67	
DRO >C10-C28	<10.0	10.0	01/09/2012	ND	172	86.2	200	11.2	
EXT DRO >C28-C35	<10.0	10.0	01/09/2012	ND					
Surrogate: 1-Chlorooctane		139 %	55.5-154						
Surrogate: 1-Chlorooctadecane		170 %	57.6-158						

Sample ID: SAMPLE #6 (H200027-02)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	01/09/2012	ND	432	108	400	0.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/09/2012	ND	190	95.0	200	8.67	
DRO >C10-C28	<10.0	10.0	01/09/2012	ND	172	86.2	200	11.2	
EXT DRO >C28-C35	<10.0	10.0	01/09/2012	ND					
Surrogate: 1-Chlorooctane		157 %	55.5-154						
Surrogate: 1-Chlorooctadecane		184 %	57.6-158						

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 01/06/2012
Reported: 01/11/2012
Project Name: PLU 79
Project Number: NONE GIVEN
Project Location: EDDY, NM

Sampling Date: 01/06/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SAMPLE #7 (H200027-03)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	01/09/2012	ND	432	108	400	0.00		
TPH 8015M			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/09/2012	ND	190	95.0	200	8.67		
DRO >C10-C28	<10.0	10.0	01/09/2012	ND	172	86.2	200	11.2		
EXT DRO >C28-C35	<10.0	10.0	01/09/2012	ND						
Surrogate: 1-Chlorooctane	145 %	55.5-154								
Surrogate: 1-Chlorooctadecane	171 %	57.6-158								

Sample ID: SAMPLE #8 (H200027-04)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	01/09/2012	ND	432	108	400	0.00		
TPH 8015M			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/09/2012	ND	190	95.0	200	8.67		
DRO >C10-C28	<10.0	10.0	01/09/2012	ND	172	86.2	200	11.2		
EXT DRO >C28-C35	<10.0	10.0	01/09/2012	ND						
Surrogate: 1-Chlorooctane	156 %	55.5-154								
Surrogate: 1-Chlorooctadecane	182 %	57.6-158								

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 01/06/2012
Reported: 01/11/2012
Project Name: PLU 79
Project Number: NONE GIVEN
Project Location: EDDY, NM

Sampling Date: 01/06/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SAMPLE #9 (H200027-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	01/09/2012	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/09/2012	ND	190	95.0	200	8.67	
DRO >C10-C28	<10.0	10.0	01/09/2012	ND	172	86.2	200	11.2	
EXT DRO >C28-C35	<10.0	10.0	01/09/2012	ND					
<i>Surrogate: 1-Chlorooctane</i>									
	138 %	55.5-154							
<i>Surrogate: 1-Chlorooctadecane</i>									
	163 %	57.6-158							

Sample ID: SAMPLE #10 (H200027-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/09/2012	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/09/2012	ND	190	95.0	200	8.67	
DRO >C10-C28	<10.0	10.0	01/09/2012	ND	172	86.2	200	11.2	
EXT DRO >C28-C35	<10.0	10.0	01/09/2012	ND					
<i>Surrogate: 1-Chlorooctane</i>									
	153 %	55.5-154							
<i>Surrogate: 1-Chlorooctadecane</i>									
	180 %	57.6-158							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

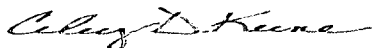
Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

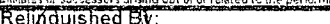


*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

[illegible]

Relinquished By:		Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
		Time:		Fax Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS:		
		Time:				
Delivered By: (Circle One)		Sample Condition		CHECKED BY:		
Sampler - UPS - Bus - Other:		Cool Intact 1.5% <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		(Initials) 		

Please email results to pm@basinenv.com
& TAsavoie@BassPet.com

Page 6 of 6



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

January 14, 2012

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: PLU 79

Enclosed are the results of analyses for samples received by the laboratory on 01/09/12 15:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Hope Moreno

Inorganic Technical Director

Analytical Results For:

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

Received: 01/09/2012
Reported: 01/14/2012
Project Name: PLU 79
Project Number: NONE GIVEN
Project Location: EDDY, NM

Sampling Date: 01/09/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

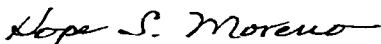
Sample ID: SAMPLE #11 (H200043-01)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	01/10/2012	ND	432	108	400	7.14	
TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/12/2012	ND	214	107	200	6.19	
DRO >C10-C28	<10.0	10.0	01/12/2012	ND	200	100	200	5.58	
EXT DRO >C28-C35	<10.0	10.0	01/12/2012	ND					
Total TPH C6-C28	<10.0	10.0	01/12/2012	ND	414	104	400	5.89	
Surrogate: 1-Chlorooctane									
	139 %	55.5-154							
Surrogate: 1-Chlorooctadecane									
	166 %	57.6-158							

Cardinal Laboratories

*=Accredited Analyte

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Hope Moreno, Inorganic Technical Director

Analytical Results For:

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

 Received: 01/09/2012
 Reported: 01/14/2012
 Project Name: PLU 79
 Project Number: NONE GIVEN
 Project Location: EDDY, NM

 Sampling Date: 01/09/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

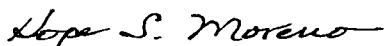
Sample ID: SAMPLE #12 (H200043-02)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	01/10/2012	ND	432	108	400	7.14		
TPH 8015M			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/12/2012	ND	214	107	200	6.19		
DRO >C10-C28	<10.0	10.0	01/12/2012	ND	200	100	200	5.58		
EXT DRO >C28-C35	<10.0	10.0	01/12/2012	ND						
Total TPH C6-C28	<10.0	10.0	01/12/2012	ND	414	104	400	5.89		
Surrogate: 1-Chlorooctane	135 %	55.5-154								
Surrogate: 1-Chlorooctadecane	163 %	57.6-158								

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Hope Moreno, Inorganic Technical Director

Analytical Results For:

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

 Received: 01/09/2012
 Reported: 01/14/2012
 Project Name: PLU 79
 Project Number: NONE GIVEN
 Project Location: EDDY, NM

 Sampling Date: 01/09/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

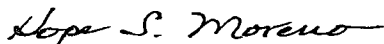
Sample ID: SAMPLE #13 (H200043-03)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	01/10/2012	ND	432	108	400	7.14		
TPH 8015M		mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/12/2012	ND	214	107	200	6.19		
DRO >C10-C28	<10.0	10.0	01/12/2012	ND	200	100	200	5.58		
EXT DRO >C28-C35	<10.0	10.0	01/12/2012	ND						
Total TPH C6-C28	<10.0	10.0	01/12/2012	ND	414	104	400	5.89		
Surrogate: 1-Chlorooctane	111 %	55.5-154								
Surrogate: 1-Chlorooctadecane	130 %	57.6-158								

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Hope Moreno, Inorganic Technical Director

Analytical Results For:

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

 Received: 01/09/2012
 Reported: 01/14/2012
 Project Name: PLU 79
 Project Number: NONE GIVEN
 Project Location: EDDY, NM

 Sampling Date: 01/09/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

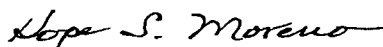
Sample ID: SAMPLE #14 (H200043-04)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	01/10/2012	ND	432	108	400	7.14	
TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/12/2012	ND	214	107	200	6.19	
DRO >C10-C28	<10.0	10.0	01/12/2012	ND	200	100	200	5.58	
EXT DRO >C28-C35	<10.0	10.0	01/12/2012	ND					
Total TPH C6-C28	<10.0	10.0	01/12/2012	ND	414	104	400	5.89	
<hr/>									
Surrogate: 1-Chlorooctane	121 %	55.5-154							
Surrogate: 1-Chlorooctadecane	142 %	57.6-158							

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Hope Moreno, Inorganic Technical Director

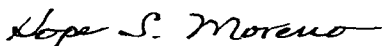
Notes and Definitions

A-01	Surrogates failed QC limits (high). No target compounds detected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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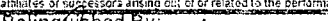
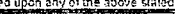
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Hope Moreno, Inorganic Technical Director

[illegible]

Relinquished By: 		Date: 1/9/11	Received By: Jodi Benson	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
		Time: 3:30		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS:
		Time:		
Delivered By: (Circle One)		Sample Condition	CHECKED BY: (Initials)	Please email results to pm@basinenv.com & Tasavoie@BassPet.com
Sampler - UPS - Bus - Other:		Cool <input type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		

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

May 18, 2012

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: POKER LAKE UNIT #79

Enclosed are the results of analyses for samples received by the laboratory on 03/08/12 9:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

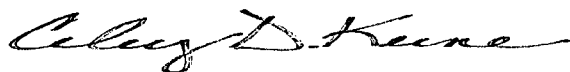
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	03/08/2012	Sampling Date:	03/07/2012
Reported:	05/18/2012	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT #79	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY CO., NM		

Sample ID: SB - 4 @ 5' (H200607-01)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15600	16.0	03/09/2012	ND	416	104	400	0.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	229	100	03/09/2012	ND	224	112	200	6.30	
DRO >C10-C28	2020	100	03/09/2012	ND	184	91.8	200	2.48	
EXT DRO >C28-C35	437	100	03/09/2012	ND					
<hr/>									
Surrogate: 1-Chlorooctane	128 %	55.5-154							
Surrogate: 1-Chlorooctadecane	106 %	57.6-158							

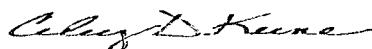
Sample ID: SB - 4 @ 10' (H200607-02)

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/10/2012	ND	187	93.7	200	1.65	
DRO >C10-C28	18.9	10.0	03/10/2012	ND	162	81.2	200	4.19	
EXT DRO >C28-C35	<10.0	10.0	03/10/2012	ND					
<hr/>									
Surrogate: 1-Chlorooctane	99.3 %	55.5-154							
Surrogate: 1-Chlorooctadecane	105 %	57.6-158							

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* = Accredited Analyte

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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	03/08/2012	Sampling Date:	03/07/2012
Reported:	05/18/2012	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT #79	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY CO., NM		

Sample ID: SB - 4 @ 15' (H200607-03)

BTEX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2012	ND	1.92	96.2	2.00	11.2	
Toluene*	<0.050	0.050	03/09/2012	ND	2.12	106	2.00	9.70	
Ethylbenzene*	<0.050	0.050	03/09/2012	ND	2.19	110	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/09/2012	ND	6.92	115	6.00	9.87	

Surrogate: 4-Bromofluorobenzene (PIE) 112 % 64.4-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	03/09/2012	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/10/2012	ND	187	93.7	200	1.65	
DRO >C10-C28	<10.0	10.0	03/10/2012	ND	162	81.2	200	4.19	
EXT DRO >C28-C35	<10.0	10.0	03/10/2012	ND					

Surrogate: 1-Chlorooctane 101 % 55.5-154

Surrogate: 1-Chlorooctadecane 92.3 % 57.6-158

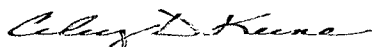
Sample ID: SB - 4 @ 20' (H200607-04)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	03/09/2012	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 03/08/2012
 Reported: 05/18/2012
 Project Name: POKER LAKE UNIT #79
 Project Number: NOT GIVEN
 Project Location: EDDY CO., NM

 Sampling Date: 03/07/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SB - 4 @ 25' (H200607-05)

BTEX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2012	ND	1.92	96.2	2.00	11.2	
Toluene*	<0.050	0.050	03/09/2012	ND	2.12	106	2.00	9.70	
Ethylbenzene*	<0.050	0.050	03/09/2012	ND	2.19	110	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/09/2012	ND	6.92	115	6.00	9.87	

Surrogate: 4-Bromofluorobenzene (PIE) 110 % 64.4-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/09/2012	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/10/2012	ND	187	93.7	200	1.65	
DRO >C10-C28	<10.0	10.0	03/10/2012	ND	162	81.2	200	4.19	
EXT DRO >C28-C35	<10.0	10.0	03/10/2012	ND					

Surrogate: 1-Chlorooctane 99.2 % 55.5-154

Surrogate: 1-Chlorooctadecane 104 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	03/08/2012	Sampling Date:	03/07/2012
Reported:	05/18/2012	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT #79	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY CO., NM		

Sample ID: SB -5 @ 5' (H200607-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	03/09/2012	ND	416	104	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/10/2012	ND	187	93.7	200	1.65		
DRO >C10-C28	200	10.0	03/10/2012	ND	162	81.2	200	4.19		
EXT DRO >C28-C35	33.7	10.0	03/10/2012	ND						
Surrogate: 1-Chlorooctane	117 %	55.5-154								
Surrogate: 1-Chlorooctadecane	121 %	57.6-158								

Sample ID: SB - 5 @ 10' (H200607-07)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/10/2012	ND	187	93.7	200	1.65	
DRO >C10-C28	15.2	10.0	03/10/2012	ND	162	81.2	200	4.19	
EXT DRO >C28-C35	<10.0	10.0	03/10/2012	ND					
<hr/>									
Surrogate: 1-Chlorooctane	101 %	55.5-154							
Surrogate: 1-Chlorooctadecane	110 %	57.6-158							

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	03/08/2012	Sampling Date:	03/07/2012
Reported:	05/18/2012	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT #79	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY CO., NM		

Sample ID: SB - 5 @ 15' (H200607-08)

BTEX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2012	ND	1.92	96.2	2.00	11.2	
Toluene*	<0.050	0.050	03/09/2012	ND	2.12	106	2.00	9.70	
Ethylbenzene*	<0.050	0.050	03/09/2012	ND	2.19	110	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/09/2012	ND	6.92	115	6.00	9.87	

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 64.4-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1420	16.0	03/09/2012	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/10/2012	ND	187	93.7	200	1.65	
DRO >C10-C28	26.8	10.0	03/10/2012	ND	162	81.2	200	4.19	
EXT DRO >C28-C35	<10.0	10.0	03/10/2012	ND					

Surrogate: 1-Chlorooctane 98.3 % 55.5-154

Surrogate: 1-Chlorooctadecane 109 % 57.6-158

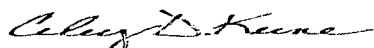
Sample ID: SB - 5 @ 20' (H200607-09)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	03/09/2012	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	03/08/2012	Sampling Date:	03/07/2012
Reported:	05/18/2012	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT #79	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY CO., NM		

Sample ID: SB - 5 @ 25' (H200607-10)

BTEX 8021B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2012	ND	1.92	96.2	2.00	11.2	
Toluene*	<0.050	0.050	03/09/2012	ND	2.12	106	2.00	9.70	
Ethylbenzene*	<0.050	0.050	03/09/2012	ND	2.19	110	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/09/2012	ND	6.92	115	6.00	9.87	

Surrogate: 4-Bromofluorobenzene (PIE) 110 % 64.4-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	03/09/2012	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/10/2012	ND	187	93.7	200	1.65	
DRO >C10-C28	<10.0	10.0	03/10/2012	ND	162	81.2	200	4.19	
EXT DRO >C28-C35	<10.0	10.0	03/10/2012	ND					

Surrogate: 1-Chlorooctane 106 % 55.5-154

Surrogate: 1-Chlorooctadecane 114 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Analytical Results For:

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

 Received: 03/08/2012
 Reported: 05/18/2012
 Project Name: POKER LAKE UNIT #79
 Project Number: NOT GIVEN
 Project Location: EDDY CO., NM

 Sampling Date: 03/07/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SB - 6 @ 5' (H200607-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12000	16.0	03/09/2012	ND	432	108	400	3.64		
TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	2210	100	03/09/2012	ND	224	112	200	6.30		
DRO >C10-C28	4620	100	03/09/2012	ND	184	91.8	200	2.48		
EXT DRO >C28-C35	620	100	03/09/2012	ND						

Surrogate: 1-Chlorooctane 185 % 55.5-154

Surrogate: 1-Chlorooctadecane 90.2 % 57.6-158

Sample ID: SB - 6 @ 15' (H200607-12)

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/10/2012	ND	187	93.7	200	1.65	
DRO >C10-C28	340	10.0	03/10/2012	ND	162	81.2	200	4.19	
EXT DRO >C28-C35	56.8	10.0	03/10/2012	ND					


Surrogate: 1-Chlorooctane 108 % 55.5-154

Surrogate: 1-Chlorooctadecane 118 % 57.6-158

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Analytical Results For:

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 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	03/08/2012	Sampling Date:	03/07/2012
Reported:	05/18/2012	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT #79	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY CO., NM		

Sample ID: SB - 6 @ 20' (H200607-13)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	03/09/2012	ND	432	108	400	3.64	

Sample ID: SB - 6 @ 25' (H200607-14)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	03/09/2012	ND	432	108	400	3.64	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/10/2012	ND	187	93.7	200	1.65	
DRO >C10-C28	<10.0	10.0	03/10/2012	ND	162	81.2	200	4.19	
EXT DRO >C28-C35	<10.0	10.0	03/10/2012	ND					

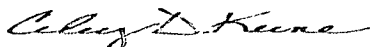
Surrogate: 1-Chlorooctane 109 % 55.5-154

Surrogate: 1-Chlorooctadecane 108 % 57.6-158

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Analytical Results For:

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

Received:	03/08/2012	Sampling Date:	03/07/2012
Reported:	05/18/2012	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT #79	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY CO., NM		

Sample ID: SB - 6 @ 30' (H200607-15)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2012	ND	1.92	96.2	2.00	11.2		
Toluene*	<0.050	0.050	03/09/2012	ND	2.12	106	2.00	9.70		
Ethylbenzene*	<0.050	0.050	03/09/2012	ND	2.19	110	2.00	10.9		
Total Xylenes*	<0.150	0.150	03/09/2012	ND	6.92	115	6.00	9.87		

Surrogate: 4-Bromofluorobenzene (PIC) 112 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	03/09/2012	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/10/2012	ND	187	93.7	200	1.65	
DRO >C10-C28	<10.0	10.0	03/10/2012	ND	162	81.2	200	4.19	
EXT DRO >C28-C35	<10.0	10.0	03/10/2012	ND					

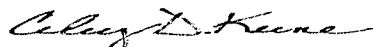
Surrogate: 1-Chlorooctane 104 % 55.5-154

Surrogate: 1-Chlorooctadecane 104 % 57.6-158

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*=Accredited Analyte

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Celest D. Keene, Lab Director/Quality Manager

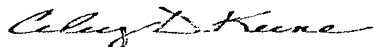
Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



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

#46



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

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



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

March 19, 2012

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: POKER LAKE UNIT #79

Enclosed are the results of analyses for samples received by the laboratory on 03/16/12 8:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Coley D. Keene". The signature is fluid and cursive, with the first name "Coley" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	03/16/2012	Sampling Date:	03/15/2012
Reported:	03/19/2012	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT #79	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY CO., NM		

Sample ID: NORTH WALL #1 (H200660-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	03/19/2012	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/17/2012	ND	201	100	200	10.1	
DRO >C10-C28	<10.0	10.0	03/17/2012	ND	175	87.4	200	12.7	
EXT DRO >C28-C35	<10.0	10.0	03/17/2012	ND					
<i>Surrogate: 1-Chlorooctane</i>									
	103 %	55.5-154							
<i>Surrogate: 1-Chlorooctadecane</i>									
	113 %	57.6-158							

Sample ID: EAST WALL #1 (H200660-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	03/19/2012	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/17/2012	ND	201	100	200	10.1	
DRO >C10-C28	17.7	10.0	03/17/2012	ND	175	87.4	200	12.7	
EXT DRO >C28-C35	<10.0	10.0	03/17/2012	ND					
<i>Surrogate: 1-Chlorooctane</i>									
	101 %	55.5-154							
<i>Surrogate: 1-Chlorooctadecane</i>									
	110 %	57.6-158							

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 03/16/2012
 Reported: 03/19/2012
 Project Name: POKER LAKE UNIT #79
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

 Sampling Date: 03/15/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: EAST WALL #3 (H200660-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	03/19/2012	ND	416	104	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/17/2012	ND	201	100	200	10.1		
DRO >C10-C28	126	10.0	03/17/2012	ND	175	87.4	200	12.7		
EXT DRO >C28-C35	40.4	10.0	03/17/2012	ND						
Surrogate: 1-Chlorooctane										
	103 %	55.5-154								
Surrogate: 1-Chlorooctadecane										
	105 %	57.6-158								

Sample ID: WEST WALL #1 (H200660-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	03/19/2012	ND	416	104	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/17/2012	ND	201	100	200	10.1		
DRO >C10-C28	20.1	10.0	03/17/2012	ND	175	87.4	200	12.7		
EXT DRO >C28-C35	<10.0	10.0	03/17/2012	ND						
Surrogate: 1-Chlorooctane	104 %	55.5-154								
Surrogate: 1-Chlorooctadecane	112 %	57.6-158								

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Analytical Results For:

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

Received:	03/16/2012	Sampling Date:	03/15/2012
Reported:	03/19/2012	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT #79	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY CO., NM		

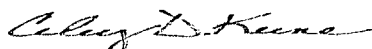
Sample ID: WEST WALL #3 (H200660-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	03/19/2012	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/17/2012	ND	201	100	200	10.1	
DRO >C10-C28	<10.0	10.0	03/17/2012	ND	175	87.4	200	12.7	
EXT DRO >C28-C35	<10.0	10.0	03/17/2012	ND					
Surrogate: 1-Chlorooctane									
	99.2 %	55.5-154							
Surrogate: 1-Chlorooctadecane									
	109 %	57.6-158							

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Celey D. Keene, Lab Director/Quality Manager

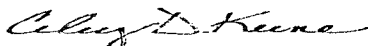
Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

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Relinquished By: 		Date: 3/15/12	Received By: 	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: 1900				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: 		Date: 3/16/12	Received By: 	REMARKS:	
Time: 0700					
Delivered By: (Circle One)		Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other: 8.00 3.52		Cool Intact			
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No			

Please email results to pm@basinenv.com
 & TASavoie@BassPet.com



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

March 30, 2012

BEN J. ARGUJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: POKER LAKE UNIT #79

Enclosed are the results of analyses for samples received by the laboratory on 03/26/12 8:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 03/26/2012
 Reported: 03/30/2012
 Project Name: POKER LAKE UNIT #79
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

 Sampling Date: 03/23/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: EAST WALL #2 (H200715-01)

BTEx 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2012	ND	1.97	98.3	2.00	4.99	
Toluene*	<0.050	0.050	03/30/2012	ND	2.11	105	2.00	5.41	
Ethylbenzene*	<0.050	0.050	03/30/2012	ND	2.13	106	2.00	5.66	
Total Xylenes*	<0.150	0.150	03/30/2012	ND	6.66	111	6.00	6.07	

Surrogate: 4-Bromofluorobenzene (PIL) 98.0 % 64.4-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	03/26/2012	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2012	ND	195	97.4	200	9.63	
DRO >C10-C28	167	10.0	03/26/2012	ND	187	93.3	200	7.95	
EXT DRO >C28-C35	<10.0	10.0	03/26/2012	ND					

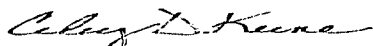
Surrogate: 1-Chlorooctane 99.9 % 55.5-154

Surrogate: 1-Chlorooctadecane 104 % 57.6-158

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 03/26/2012
 Reported: 03/30/2012
 Project Name: POKER LAKE UNIT #79
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

 Sampling Date: 03/23/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: WEST WALL #2 (H200715-02)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	03/26/2012	ND	416	104	400	0.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2012	ND	195	97.4	200	9.63	
DRO >C10-C28	<10.0	10.0	03/26/2012	ND	187	93.3	200	7.95	
EXT DRO >C28-C35	<10.0	10.0	03/26/2012	ND					
<i>Surrogate: 1-Chlorooctane</i>									
	97.9 %	55.5-154							
<i>Surrogate: 1-Chlorooctadecane</i>									
	95.3 %	57.6-158							

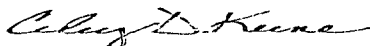
Sample ID: SOUTH WALL #1 (H200715-03)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	03/26/2012	ND	416	104	400	0.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2012	ND	195	97.4	200	9.63	
DRO >C10-C28	<10.0	10.0	03/26/2012	ND	187	93.3	200	7.95	
EXT DRO >C28-C35	<10.0	10.0	03/26/2012	ND					
<i>Surrogate: 1-Chlorooctane</i>									
	96.0 %	55.5-154							
<i>Surrogate: 1-Chlorooctadecane</i>									
	93.7 %	57.6-158							

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

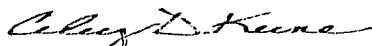
Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Basin Environmental Service Technologies, LLC		BILL TO		ANALYSIS REQUEST																							
Project Manager: Ben J. Arquijo		P.O. #:																									
Address: P.O. Box 301		Company: BOPCO, LP																									
City: Lovington State: NM Zip: 88260		Attn: Tony Savoie																									
Phone #: (575) 396-2378 Fax #: (575) 396-1429		Address: 522 W. Mermod																									
Project #:		Project Owner: BOPCO, LP																									
Project Name: Poker Lake Unit # 79		City: Carlsbad																									
Project Location: Elky Co, NM		State: NM Zip: 88220																									
Sampler Name: J. Walters		Phone #: (432) 556-8730																									
Fax #:																											
FOR LAB USE ONLY				MATRIX				PRESERV.		SAMPLING																	
Lab I.D.	Sample I.D.	(GRAB OR C/COMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
H200715																											
1	East Wall #2	61				X				X			3-23-12	11:10	X	X	X										
2	West Wall #2													10:40													
3	South Wall #1													10:50													

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Relinquished By:	Date: 3-26-12 Time: 8:00	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date: 3-26-12 Time: 8:15	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One)			REMARKS:
Sampler - UPS - Bus - Other:			* BTEX added as per Ben . 3/28/12 . ch
			Please email results to pm@basinenv.com & TSavoie@BassPet.com

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