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REMEDIATION SUMMARY AND SITE CLOSURE REQUEST

BOPCO, LP
POKER LAKE UNIT #68
Eddy County, New Mexico
Unit Letter "A" (NE/NE), Section 20, Township 24 South, Range 31 East
Latitude 32.207618° North, Longitude 103.797917° West
NMOCD Reference #2RP-

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

June 2012

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 and Site Closure Request* for the release site known as Poker Lake Unit #68 (PLU #68). The legal description of the release site is Unit Letter "A" (NE/NE), Section 20, Township 24 South, Range 31 East, in Eddy County, New Mexico. The geographic coordinates of the release site are 32.207618° North latitude and 103.797917° West longitude. The property affected by the release is owned by The United States Department of the Interior - Bureau of Land Management (BLM). Please reference Figure 1 for a "Site Location Map" and Figures 2a and 2b for "Site & Sample Location" maps.

On May 2, 2011, BOPCO discovered a release had occurred at the Poker Lake Unit #68 tank battery. A temporary tank used to vent produced gas had overflowed, resulting in a release of crude oil and produced water. 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 one hundred and thirty-nine (139) barrels of crude oil and approximately sixteen (16) barrels of produced water were released, with approximately forty-five (45) barrels of crude oil recovered. During initial response activities a vacuum truck was utilized to recover free-standing fluids and the visibly stained surface was excavated to approximately two feet (2') below ground surface (bgs). Approximately one hundred and sixty cubic yards (160 yd³) of saturated soil was excavated and stockpiled on-site atop an impermeable liner pending final disposition. The release affected approximately one thousand, two hundred square feet (1,200 ft²) of caliche pad and four thousand square feet (4,000 ft²) of pasture. A Form C-141, dated May 2, 2011, is provided as Appendix A. General Photographs of the release site are provided as Appendix D.

On May 15, 2011, BOPCO discovered a second release had occurred at the Poker Lake Unit #68 tank battery. A temporary tank had overflowed, resulting in a release of crude oil and produced water. The release was reported to the NMOCD Artesia District Office on May 15, 2011. The Form C-141, dated May 15, 2011, indicated approximately eighty (80) barrels of crude oil and approximately thirty (30) barrels of produced water were released, with approximately fifty (50) barrels of crude oil recovered. During initial response activities a vacuum truck was utilized to recover free-standing fluids. The oil and produced water traveled in the same path as the May 2, 2011, release and pooled in two (2) areas that had previously been excavated during the initial response to that release. Approximately three hundred and forty cubic yards (340 yd³) of saturated soil was excavated and stockpiled on-site atop an impermeable liner pending final disposition. The release affected approximately one thousand, two hundred square feet (1,200 ft²) of caliche pad and two thousand square feet (2,000 ft²) of pasture. A Form C-141 dated May 15, 2011, is provided as Appendix B.

On May 16, 2011, an archeological survey was conducted by Boone Archeological Services of Carlsbad, New Mexico. The report indicated that Basin had sufficient space to remediate the area without disturbing any cultural resources. A copy of the Archaeological Survey (NMCRIS Investigation Abstract Form) is provided as Appendix C.

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 20, Township 24 South, Range 31 East. A depth to groundwater reference map utilized by the NMOCD indicates groundwater should be encountered at approximately three hundred and seventy-five feet (375') 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 #68 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

On May 6, 2011, following initial response activities, excavation of impacted soil commenced at the release site. A Photo-Ionization Detector (PID) and chloride field kit were used to field screen the horizontal and vertical extent of impacted soil and to guide the excavation. Confirmation soil samples were collected and submitted to Cardinal Laboratories in Hobbs, New Mexico, for analysis of benzene, ethylbenzene, toluene, and xylene (BTEX) using EPA SW-846-8021b, total petroleum hydrocarbon (TPH) using EPA SW-846-8015M, and/or chloride concentrations using EPA method 4500 Cl-B. The excavated soil was stockpiled on-site atop a 6-mil plastic liner pending final disposition.

On May 6, 2011, two (2) soil samples (Pooling Area 6 @ 4' and Pooling Area 6 @ 9') were collected in an effort to delineate the vertical and horizontal impact of the release. Soil samples were submitted to the laboratory for analysis of TPH and chloride concentrations. Table 1 summarizes the "Concentrations of Benzene, BTEX, TPH & Chloride in Soil". A "Site & Sample Location Map" is provided as Figure 2a. Laboratory analytical reports are provided as Appendix D.

Laboratory analytical results indicated chloride concentrations ranged from 288 mg/Kg for soil sample Pooling Area 6 @ 9' to 13,400 mg/Kg for soil sample Pooling Area 6 @ 4'. TPH concentrations ranged from less than the laboratory method detection limit (MDL) for soil samples Pooling Area 6 @ 9' to 73.5 mg/Kg for soil sample Pooling Area 6 @ 4'.

On May 9, 2011, a hand auger was utilized to collect twelve (12) soil samples (Pooling Area #1 @ 2', Pooling Area #1 @ 4', Pooling Area #2 @ 4', Pooling Area #2 @ 5', Pooling Area #3 @ Surface, Pooling Area #3 @ 6', Pooling Area #4 @ Surface, Pooling Area #4 @ 5', Pooling Area #5 @ Surface and Pooling Area #5 @ 5') to further delineate the vertical and horizontal impact of the release. Each of the soil samples were submitted to the laboratory for analysis of TPH concentrations, with the exception of soil sample Pooling Area #3 @ 4'. Soil samples Pooling Area #1 @ 2', Pooling Area #2 @ 4', Pooling Area #3 @ Surface, Pooling Area #3 @ 4', Pooling Area #4 @ Surface and Pooling Area #5 @ Surface were also analyzed for chloride concentrations.

Laboratory analytical results indicated TPH concentrations ranged from less than the laboratory MDL for soil samples Pooling Area #2 @ 5' to 13,451 mg/Kg for soil sample Pooling Area #5 @ Surface. Chloride concentrations ranged from less than the laboratory MDL for soil samples Pooling Area #1 @ 2', Pooling Area #2 @ 4' and Pooling Area #5 @ Surface to 2,600 mg/Kg for soil sample Pooling Area #3 @ Surface.

On May 9, 2011, one (1) five-point composite soil sample (Stockpile) was collected to characterize the stockpiled material. The soil sample was submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results indicated the chloride concentration for soil sample Stockpile was 864 mg/Kg and the THP concentration was 17,786 mg/Kg.

On May 20, 2011, two (2) soil samples (Pooling Area 4A @ 8' and Pooling Area 5A @ 8') were collected to help characterize the nature of the release. Soil samples were submitted to the laboratory for analysis of TPH, chloride and BTEX constituent concentrations. Laboratory analytical results indicated TPH concentrations ranged from 102 mg/Kg for soil sample Pooling Area 4A @ 8' to 526 mg/Kg for soil sample Pooling Area 5A @ 8'. Laboratory analytical results indicated chloride concentrations ranged from 112 mg/Kg for soil sample Pooling Area 5A @ 8' to 144 mg/Kg for soil sample Pooling Area 4A @ 8'. BTEX concentrations were less than the appropriate laboratory MDL for each of the submitted soil samples. TPH, chloride and BTEX constituent concentrations were below NMOCD regulatory standards for each of the soil samples submitted.

On May 26, 2011, one (1) soil sample (Floor #3) was collected and submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results indicated the concentrations of TPH and chloride were 26,020 mg/Kg and 800 mg/Kg, respectively. The excavation was advanced in the area represented by soil sample Floor #3.

On May 27, 2011, fourteen (14) confirmation soil samples (SE Corner Floor, SW Corner Floor, Center Floor, NE Corner Floor, NW Corner Floor, N Wall W End, N Wall E End, N Wall Middle, E Wall N End, E Wall Middle, W Wall S End, S Wall Middle, W Wall Middle and W Wall N End) were collected from the excavation floor and sidewalls and submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results

indicated TPH concentrations were less than the laboratory MDL for each of the submitted soil samples, with the exception of W Wall Middle, which exhibited a concentration of 11.7 mg/Kg. Laboratory analytical results indicated chloride concentrations ranged from less than the laboratory MDL for soil samples SW Corner Floor, NE Corner Floor, NW Corner Floor, N Wall E End, N Wall Middle, E Wall N End, E Wall Middle, W Wall S End, S Wall Middle, W Wall Middle and W Wall N End to 32.0 mg/Kg for soil sample Center Floor. Each of the soil samples exhibited TPH and chloride concentrations below NMOCD regulatory standards. Soil sample Center Floor was also analyzed for constituent concentrations of BTEX, which were determined to be less than the appropriate laboratory MDL and NMOCD regulatory standards.

On May 31, 2011, four (4) confirmation soil samples (Sec 6B Floor, Sec 6B W Wall, Sec 6B E Wall and Sec 6B N Wall) were collected from the excavation floor and sidewalls in Pooling Area 6. Soil samples were submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results indicated TPH concentrations ranged from less than the laboratory MDL for soil samples Sec 6B W Wall and Sec 6B E Wall to 133 mg/Kg for soil sample Sec 6B Floor. Laboratory analytical results indicated chloride concentrations were less than the laboratory MDL for each of the submitted soil samples, with the exception of Sec 6B E Wall, which exhibited a concentration of 32.0 mg/Kg. Each of the soil samples exhibited TPH and chloride concentrations below NMOCD regulatory standards. Soil sample Sec 6B Floor was also analyzed for constituent concentrations of BTEX, which were determined to be less than the appropriate laboratory MDL and NMOCD regulatory standards.

On June 1, 2011, six (6) confirmation soil samples (Sec 4B Floor, Sec 4B South Wall, Sec 4B N Wall, Sec 2 & 3B Floor, Sec 2 & 3B S Wall and Sec 2 & 3B E Wall) were collected from the excavation floor and sidewalls in Pooling Areas 2 & 3 and 4. Soil samples were submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results indicated TPH concentrations ranged from less than the laboratory MDL for soil samples Sec 4B N Wall and Sec 2 & 3B E Wall to 2,723 mg/Kg for soil sample Sec 4B South Wall. Laboratory analytical results indicated chloride concentrations ranged from less than the laboratory MDL for soil samples Sec 2 & 3B E Wall to 128 mg/Kg for soil sample Sec 2 & 3B S Wall. Each of the soil samples exhibited TPH and chloride concentrations below NMOCD regulatory standards. Soil samples Sec 4B Floor and Sec 2 & 3B Floor were also analyzed for constituent concentrations of BTEX. Benzene concentrations were less than the appropriate laboratory MDL. Total BTEX concentrations ranged from less than the appropriate laboratory MDL for soil sample Sec 4B Floor to 1.37 mg/Kg for soil sample Sec 2 & 3B Floor. Each of the soil samples exhibited benzene and total BTEX concentrations below NMOCD regulatory standards.

On June 6, 2011, five (5) confirmation soil samples (Area #7 Floor, Area #7 North Wall, Area #7 South Wall, Area #7 West Wall and Area #7 East Wall) were collected from the excavation floor and sidewalls in Pooling Area 7. Soil samples were submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results indicated TPH concentrations were less than the laboratory MDL for each of the soil samples submitted. Laboratory analytical results indicated chloride concentrations ranged from 32.0 mg/Kg for soil samples Area #7 West Wall and Area #7 East Wall to 19,200 mg/Kg for soil sample Area #7 North Wall. Each of the soil samples exhibited TPH and chloride concentrations below NMOCD regulatory standards, with the exception of soil sample Area #7 North Wall. The excavation could not be advanced at that time in the area represented by soil sample Area #7 North Wall due to the presence of two (2) five hundred (500) barrel temporary "frac" tanks. Soil sample Area #7 Floor was also

analyzed for constituent concentrations of BTEX, which were determined to be less than the appropriate laboratory MDL and NMOCD regulatory standards.

During May and June, 2011, approximately two thousand, nine hundred and twenty cubic yards (2,920 yd³) of impacted material was transported to Lea Land, LLC (NMOCD Permit #WM-01-035), for disposal. The final dimensions of the excavation were approximately one hundred and fifteen feet (115') in width, one hundred fifty-six feet (156') in length and four (4') to twelve feet (12') in depth. Upon receiving verbal approval from a BLM representative, the excavated area was backfilled with locally purchased, non-impacted material. Following the backfilling of the excavation, areas affected by the remediation activities were contoured to fit the surrounding topography. The area was reseeded with BLM approved seed mixture during August 2011. Pictures of seeding activities are included in Appendix D.

On April 11, 2012, Basin began remediation activities on the area formerly occupied by the two (2) five hundred (500) barrel temporary "frac" tanks. A PID and chloride field kit were used to field screen the horizontal and vertical extent of impacted soil and to guide the excavation. Confirmation soil samples were collected and submitted to the laboratory for analysis. The excavated soil was stockpiled on-site pending final disposition. A "Site & Sample Location Map" of the "frac" tank area is provided as Figure 2b.

On April 11, 2012, five (5) confirmation soil samples (F.T.A. North Wall, F.T.A. South Wall, F.T.A. East Wall, F.T.A. West Wall and F.T.A. Floor) were collected from the excavation floor and sidewalls in the "frac" tank area. Soil samples were submitted to the laboratory for analysis of chloride concentrations. Soil sample F.T.A South Wall was also analyzed for concentrations of BTEX and TPH. Laboratory analytical results indicated chloride concentrations ranged from less than the laboratory MDL for soil samples F.T.A East Wall and F.T.A. Floor to 96.0 mg/Kg for soil sample F.T.A. South Wall. Soil sample F.T.A South Wall exhibited a TPH concentration of 42.0 mg/Kg and BTEX constituent concentrations less than the appropriate laboratory MDL. Each of the soil samples exhibited chloride, TPH and BTEX concentrations below NMOCD regulatory standards.

On April 12 and 13, 2012, approximately two hundred and eighty cubic yards (280 yd³) of impacted material was transported to Lea Land, LLC, for disposal. The final dimensions of the excavation were approximately fifty-three feet (53') in width, seventy-five feet (75') in length and one (1) to thirteen feet (13') in depth. Upon receiving verbal approval from a BLM representative, the excavated area was backfilled with locally purchased, non-impacted material. Following the backfilling of the excavation, areas affected by the remediation activities were compacted and contoured to fit the needs of the well pad.

4.0 QA/QC PROCEDURES

4.1 Soil Sampling

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

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

4.2 Decontamination of Equipment

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

4.3 Laboratory Protocol

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

5.0 SITE CLOSURE REQUEST

Soil samples collected from the floor and sidewalls of the excavation were analyzed by an NMOCD-approved laboratory, and concentrations of BTEX, TPH, and chloride were below the regulatory remediation action levels established for the site. Based on these analytical results, Basin recommends BOPCO provide the NMOCD Artesia District Office and the BLM a copy of this *Remediation Summary & Site Closure Request* and request the NMOCD grant site closure to the Poker Lake Unit #68 release site.

6.0 LIMITATIONS

Basin Environmental Service Technologies, LLC, has prepared this *Remediation Summary & 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:**

Copy 1: Mike Bratcher

New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division (District 2)

1301 E. Grand Avenue Artesia, NM 88210

Copy 2: James Amos

Bureau of Land Management

602 E. Greene Street Carlsbad, NM 88220

Copy 3: Tony Savoie

BOPCO, LP

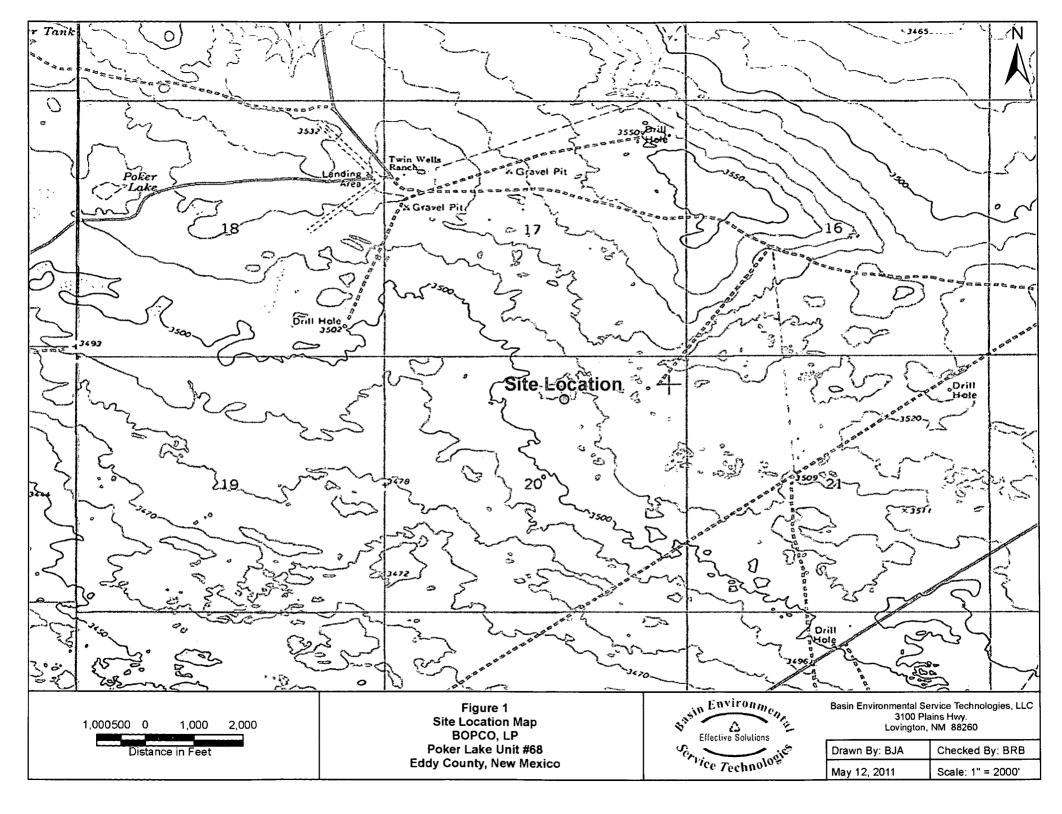
522 W. Mermod, Suite 704 Carlsbad, NM 88220

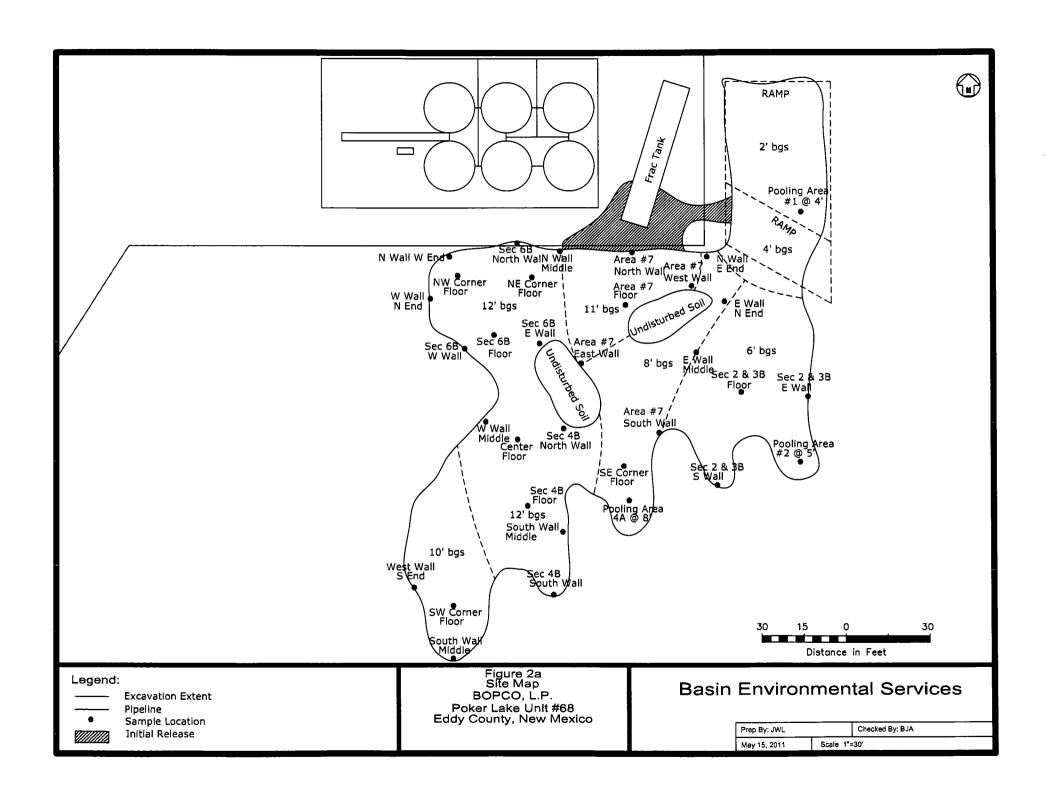
Copy 4: Basin Environmental Service Technologies, LLC

P.O. Box 301

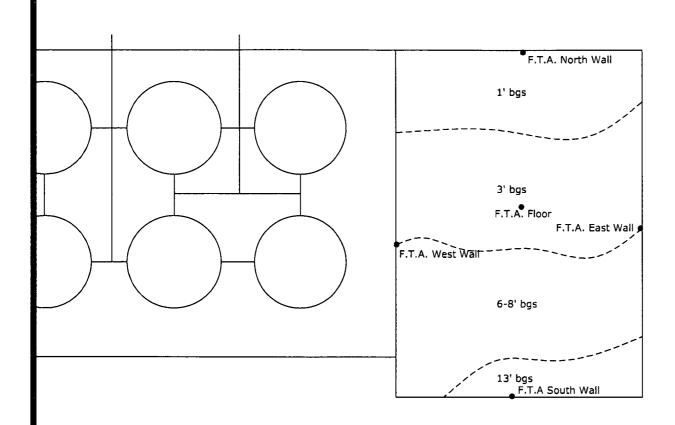
Lovington, NM 88260

Figures









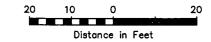


Figure 2b Site Map (Frac Tank Area) BOPCO, L.P. Poker Lake Unit #68 Eddy County, New Mexico

Basin Environmental Services

Prep By: JWL		Checked By: BJA
May 15, 2011	Scale 1*:	=20'

Tables

TABLE 1 CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

BOPCO, LP POKER LAKE UNIT #68 EDDY COUNTY, NEW MEXICO

			1	METHOD: EPA SW 846-8021B, 5030						METHOD: 8015M			E 300
	SAMPLE	SAMPLE	SOIL			ETHYL-	TOTAL	TOTAL	GRO	DRO	ORO	TOTAL TPH	
SAMPLE LOCATION	DEPTH	DATE	STATUS	BENZENE	TOLUENE	BENZENE	XYLENES	BTEX	C ₆ -C ₁₂	C ₁₂ -C ₂₈	C ₂₈ -C ₃₅	C ₆ -C ₃₅	CHLORIDE
	(BGS)			(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
Pooling Area 6 @ 4'	4'	5/6/2011	Excavated	-	-	-	-	-	<10.0	73.5	-	73.5	13,400
Pooling Area 6 @ 9'	9'	5/6/2011	In-Situ	-	-	-	-	-	<10.0	<10.0	-	<10.0	288
	13 1 (1 × 30	AN ACCURATE	2 - W 72.5	STATE OF THE STATE	(1) R (1) (1)	Sud Tie of The	Harry State of the	May June	of a line of the	13 6 W VI	1881 136		Mark Strait
Pooling Area #1 @ 2'	2'	5/9/2011	Excavated	-	-	-	-	-	2,490	7,380	397	10,267	<16.0
Pooling Area #1 @ 4'	4'	5/9/2011	In-Situ	-	-	-	-	-	<10.0	18.6	<10.0	18.6	-
Pooling Area #2 @ 4	4'	5/9/2011	Excavated	-	-	-	-	-	630	3,510	164	4,304	<16.0
Pooling Area #2 @ 5'	5'	5/9/2011	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	-
Pooling Area #3 @ Surface	Surface	5/9/2011	Excavated	-	-	-	-	-	1,160	11,000	648	12,808	2,600
Pooling Area #3 @ 4'	4'	5/9/2011	Excavated	-	-	-	-	-	-	-	-	-	2,320
Pooling Area #3 @ 6'	6'	5/9/2011	In-Situ	-	-	-	-	-	39.2	487	28.9	555	-
Pooling Area #4 @ Surface	Surface	5/9/2011	Excavated	-	-	-	-	-	1,340	10,300	754	12,394	16.0
Pooling Area #4 @ 5'	5'	5/9/2011	In-Situ	-	-	-	-	-	<10.0	78.4	<10.0	78.4	-
Pooling Area #5 @ Surface	Surface	5/9/2011	Excavated	-	-	-	-	-	1,250	11,400	801	13,451	<16.0
Pooling Area #5 @ 5'	5'	5/9/2011	In-Situ	-	-	-	-	_	<10.0	119	<10.0	119	-
Stockpile	N/A	5/9/2011	Excavated	-	-	-	-	_	4,570	12,500	716	17,786	864
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Pooling Area 4A @ 8'	8'	5/20/2011	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	102	<10.0	102	144
Pooling Area 5A @ 8'	8'	5/20/2011	In-Situ	<0.050	< 0.050	<0.050	<0.150	<0.150	10.7	484	30.9	526	112
	í, *		7	#1 12 1 12 1 17 17 18 4 19 19 19 19 19 19 19 19 19 19 19 19 19	'A' [.	6 (A) (A) (A)	T 4 5 7 2 3 5		. S. T.			636	
Floor #3	4'	5/26/2011	Excavated	-	-	-	-	-	10,600	14,200	1,220	26,020	800
The second secon			2.0			10 to 10 m	N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					- E	
SE Corner Floor	8'	5/27/2011	_In-Situ	-		-	-	-	<10.0	<10.0	<10.0	<10.0	16.0
SW Corner Floor	10'	5/27/2011	In-Situ	•	-	-	-	_	<10.0	<10.0	<10.0	<10.0	<16.0
Center Floor	12'	5/27/2011	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	<10.0	<10.0	<10.0	32.0
NE Corner Floor	12'	5/27/2011	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
NW Corner Floor	12'	5/27/2011	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
N Wall W End	12'	5/27/2011	In-Situ		-	-	-	_	<10.0	<10.0	<10.0	<10.0	16.0
N Wall E End	8'	5/27/2011	In-Situ	•	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
N Wall Middle	11'	5/27/2011	In-Situ	,	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
E Wall N End	8'	5/27/2011	In-Situ		-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
E Wall Middle	8'	5/27/2011	In-Situ	•		-	-	•	<10.0	<10.0	<10.0	<10.0	<16.0
W Wall S End	10'	5/27/2011	In-Situ			-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
S Wall Middle	12'	5/27/2011	In-Situ	-	_	<u>-</u>	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
W Wall Middle	12'	5/27/2011	In-Situ	-	-	•	-	-	<10.0	11.7	<10.0	11.7	<16.0
W Wall N End	12'	5/27/2011	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
Address to the terminal management of the terminal and	a comment		Section 5	me men har makin		المتومية المت	First Commence			e last e	(3) (4) (5)		And the second
Sec 6B Floor	9'	5/31/2011	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	133	<10.0	133	<16.0
Sec 6B W Wall	8'	5/31/2011	In-Situ	-	-	<u> </u>	-	<u>-</u>	<10.0	<10.0	<10.0	<10.0	<16.0
Sec 6B E Wall	8'	5/31/2011	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	32.0

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

BOPCO, LP POKER LAKE UNIT #68 EDDY COUNTY, NEW MEXICO

		0.4451.5				METHOD: EF	PA SW 846-80	21B, 5030		METHOD: 8015M			TOTAL	E 300
SAMPLE LO	CATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	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	TPH C ₆ -C ₃₅	CHLORIDE (mg/Kg)
Sec 6B N Wall		0'	E 104 10044	Im Cit.								<10.0	(mg/Kg) 97.5	<16.0
Sec ob in wall	2	8'	5/31/2011	In-Situ	- [[0] - 10] -	- 4	-	-	- 	<10.0	97.5	< 10.0	97.5	, , ,
Can AD Floor	\$ 115	(6) ".	0/4/0044	1. 6.		10.050	10.050	10.450		110.0	20.0	110.0		
Sec 4B Floor		10'	6/1/2011	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	39.2	<10.0	39.2	64.0
Sec 4B South Wall		9'	6/1/2011	In-Situ	-	-	•	-	-	816	1,810	97.4	2,723	32.0
Sec 4B N Wall		9'	6/1/2011	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	32.0
Sec 2 & 3B Floor		6'	6/1/2011	In-Situ	<0.050	0.171	0.181	1.02	1.37	61.0	666	37.3	764	32.0
Sec 2 & 3B S Wall		5'	6/1/2011	In-Situ	-	-	-	-	-	<10.0	58.6	<10.0	58.6	128
Sec 2 & 3B E Wall		3'	6/1/2011	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
		6.36			人工主要的過程	14 5 F F F 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1.4 37		Branch S	34			
Area #7 Floor		12'	6/6/2011	In-Situ	< 0.050	<0.050	<0.050	<0.150	<0.150	<10.0	<10.0	<10.0	<10.0	48.0
Area #7 North Wall		11'	6/6/2011	Excavated	_	-	-	-	-	<10.0	<10.0	<10.0°	<10.0	19,200
Area #7 South Wall		6'	6/6/2011	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	48.0
Area #7 West Wall		11'	6/6/2011	In-Situ	-	-	-	_	-	<10.0	<10.0	<10.0	<10.0	32.0
Area #7 East Wall		11'	6/6/2011	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	32.0
	4, 11 JA2					21,			3.5					
F.T.A. North Wall		1'	4/11/2012	In-Situ	-	-	-	-	-	-	-	-	-	32.0
F.T.A. South Wall		13'	4/11/2012	In-Situ	< 0.050	<0.050	<0.050	<0.150	<0.150	<10.0	24.6	17.4	42.0	96.0
F.T.A. East Wall		7'	4/11/2012	In-Situ	-	-	-	-	-	-	-	-	-	<16.0
F.T.A. West Wall		7'	4/11/2012	In-Situ	-	-	-	-	- ·	_		-	-	32.0
F.T.A. Floor		3'	4/11/2012	In-Situ	-	-	-	-	-	_		-	-	<16.0
		(A. (A.)			#			٠٠. ٠٠.	2 3 Y				100	
NMOCD Criteria	*				10				50				5,000	1,000
								- · · ·						

^{- =} Not analyzed.

Appendices

Appendix A
Release Notification &
Corrective Action
May 2, 2011
(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

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

Attached []

1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa Fe, NM 87505 Release Notification and Corrective Action **OPERATOR** Final Report Contact Tony Savoie Name of Company BOPCO, L.P. Address 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220 Telephone No. 432-556-8730 Facility Type E&P Facility Name Poker Lake Unit #68 Mineral Owner Federal Surface Owner Federal Lease No LOCATION OF RELEASE North/South Line Feet from the Unit Letter Section Township Range Feet from the East/West Line County **24S** 31E Eddy Α Latitude N 32,207618 Longitude W 103,797917 NATURE OF RELEASE Volume of Release: 139 bbls Volume Recovered: 45 bbls crude oil, 0 Type of Release: Produced water and crude oil crude oil and 16 bbls produced bbls produced water water. Source of Release: Temporary tank overflow Date and Hour of Occurrence Date and Hour of Discovery 5/2/11. Hour unknown 5/2/11 10:00 a.m. Was Immediate Notice Given? If YES, To Whom? Mike Bratcher Date and Hour 5/2/11 10:51 a.m. By Whom? Tony Savoie Was a Watercourse Reached? RECEIVED If YES, Volume Impacting the Watercourse. Yes No MAY 12 2011 If a Watercourse was Impacted, Describe Fully.* NMOCD ARTESIA Describe Cause of Problem and Remedial Action Taken.* A temporary tank that was set to vent produced gas into in the event of high line pressure on the sales line overflowed due to the process vessels were overloaded with fluid causing the production to release into the vent tank for a period of approximately 12 hours. The problem was corrected. Describe Area Affected and Cleanup Action Taken.*Approximately 1200 sq. ft. of caliche pad around the temporary tank was affected by the release, and approximately 4,000 sq. ft. of pasture. All of the free standing fluid was removed with a vacuum truck. The BLM granted permission to get off our easement and remove the heavily saturated soil in the pasture. Approximately 160 cubic yards of saturated soil was excavated and placed on plastic on the caliche well pad near the release site. On Monday 5/9/11 samples were collected to determine the vertical extent in the areas where the fluid had pooled. The soil samples will be analyzed for TPH and Chloride. A remediation plan will be developed in accordance with the NMOCD and BLM remediation guidelines. Note: The release volumes were based on well potential and time. Soil saturation calculations were also used to verify the release volumes. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. OIL CONSERVATION DIVISION Signature: Approved by District Supervisor: Printed Name: Tony Savoic Title: Waste Mgmt.& Remediation Specialist Approval Date: **Expiration Date:** E-mail Address: TASavoic@BassPet.com Conditions of Approval:

Phone:432-556-8730

Date: 5/11/11

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II

District III

District III

District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

Phone: (432) 556-8730

Date:

State of New Mexico Energy Minerals and Natural Resources

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

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

Form C-141

Revised October 10, 2003

			Rele	ease Notific	catic	on and Co	orrective A	Action				
						OPER.		_	☐ Ini	tial Report X Final Repo		
Name of Co		BOPCO, LI				Contact Tony Savoie						
				Isbad, NM 8822	.0	Telephone No. (432) 556-8730						
Facility Nar	ne Pokei	r Lake Unit #	#68			Facility Type E & P						
Surface Ow	ner Federa	ıl		Mineral C)wner			I	ease 1	No.		
				LOCA	ATIC	ON OF REI	LEASE					
Unit Letter	Section	Township						County				
A	20	24S	31E							Eddy		
	<u></u>	La	titude N.	. 32.207618	<u>}</u>	Longitu	de <u>W 103.7979</u>	917				
					TIRF	—						
Type of Rele	ase Produc	ced Water and	crude oil				Release 139 bbls	s of Vo	lume F	Recovered: 45 bbls crude oil, 0		
100							nd 16 bbls produ	1		uced water		
Source of Re	lease Temp	orary tank ove	erflow			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? X Yes No Not Required						If YES, To Mike Brate						
By Whom?							our: 5/2/11 10:5					
Was a Watercourse Reached? ☐ Yes ☒ No						If YES, Vo	lume Impacting	the Watercou	irse.			
If a Watercou	rse was Imp	pacted, Descri	be Fully.*	<u> </u>						76.4		
the sales line approximately Describe Area release site was	overflowed y 12 hours. ' a Affected a as remediate	due to the pro The problem vand Cleanup A and to NMOCD	ocess vesso was correct Action Take	els were overloade eted. en.* The release a	ed with	n fluid causing of approximately	the production to y 1,200 sq. ft. of	caliche pad a	the ver	vent of a high line pressure on an tank for a period of 00 sq. ft. of pasture. The re Request, dated June 2012,		
for details of	remediation	activities.										
regulations all public health of should their of	l operators a or the environ perations ha ment. In ad	are required to onment. The a tve failed to ac Idition, NMOC	report and acceptance dequately i CD accepta	d/or file certain re e of a C-141 repor investigate and re	elease n rt by th emediat	notifications and ne NMOCD ma te contaminatio	d perform correc rked as "Final Ro on that pose a thro	ctive actions f eport" does n cat to ground	for rele tot relic water,	annt to NMOCD rules and ases, which may endanger eve the operator of liability surface water, human health impliance with any other		
							OIL CONS	SERVATI	ON I	DIVISION		
Signature:												
Printed Name:	: Tony Savo	ie				Approved by E	District Superviso	or:				
Title: Waste N	vlgmt. & Re	mediation Sp	ecialist			Approval Date: Expira			ation Date:			
E-mail Addres	ss: tasavoie(@basspet.com	1			Conditions of A	Approval:			Attached [

Appendix B
Release Notification &
Corrective Action
May 15, 2011
(Form C-141)

5/26/11

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

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

Attached [

1220 S. St. Francis Dr., Santa Fc, NM 87505 Release Notification and Corrective Action **OPERATOR** Initial Report Final Repor 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 #68 Facility Type E&P Surface Owner Federal Mineral Owner Federal Lease No LOCATION OF RELEASE Township Feet from the Section Range North/South Line Feet from the East/West Line Unit Letter County 20 248 31E Eddy Α Latitude_N 32.207618___ Longitude W 103.797917 NATURE OF RELEASE Type of Release: Produced water and crude oil Volume of Release: 80 bbls crude Volume Recovered: 50 bbls crude oil, 0 oil and 30 bbls produced water. bbls produced water Source of Release: Temporary tank overflow Date and Hour of Occurrence Date and Hour of Discovery 5/15/11, Hour unknown 5/15/11 10:00 a.m. Was Immediate Notice Given? If YES, To Whom? Mike Bratcher Date and Hour 5/16/11 8:00 a.m. By Whom? Tony Savoie Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. ☐ Yes ☒ No RECEIVED If a Watercourse was Impacted, Describe Fully.* MAY 26 2011 Describe Cause of Problem and Remedial Action Taken.* A temporary tank that was set to vent produced gas into in the Conference fire him sales line overflowed due to the process vessels were overloaded with fluid causing the production to release into the vent tank. A second temporary tank was set inside an earthen containment area and overflow lines were installed on the tanks to overflow into the production containment area which is lined. Describe Area Affected and Cleanup Action Taken.*Approximately 1200 sq. ft. of caliche pad around the temporary tank was affected by the release, and approximately 2,000 sq. ft. of pasture. All of the free standing fluid was removed with a vacuum truck. The oil traveled in the same path as the previous release and ponded up in 2 of the areas that been excavated to a depth of approximately 2 ft. As of 5/24/11 approximately 340 cubic yards of the heavily saturated soil was excavated and hauled to Lea Lands. Samples were collected at approximately 8 ft. below ground surface, this appears to be the vertical extent of the release. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. OIL CONSERVATION DIVISION Signature: Approved by District Supervisor: Printed Name: Tony Savoic Title: Waste Mgmt.& Remediation Specialist Approval Date: **Expiration Date:**

Conditions of Approval:

Phone:432-556-8730

Date: 5/25/11

E-mail Address: TASavoie@BassPet.com

^{*} Attach Additional Sheets If Necessary

<u>District I</u> 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 RECEIVED

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

Form C-141 Revised October 10, 2003

AUG 3 0 2012 Submil 2 Copies to appropriate District Office in accordance with Rule 116 on back NMOCD ARTESIA side of form

Release Notification and Corrective Action

			Itti	asc Mount	atio	OPER.	ATOR	CHOI		ial Report X Final Report		
Name of Co	mpany	BOPCO, LF)				Tony Savoie	_				
Address 5	522 W. Me	ermod, Suite	704 Carl	sbad, NM 88220	0	Telephone No. (432) 556-8730						
Facility Nar	ne Pokei	Lake Unit #	[‡] 68			Facility Type E & P						
Surface Ow	ner Federa	.1		Mineral C	lumer				Lease N	lo		
Surface Ow.	ner redera		, . <u>-</u>	Willicial C	WIICI				Lease			
					OIT	N OF REI	LEASE					
Unit Letter A	Section 20	Township 24S	Range 31E	Feet from the	North	orth/South Line Feet from the East/West Line County Eddy				County Eddy		
		La	titude N	32,207618		Longitu	de <u>W 103.7979</u>	17				
				NAT	URE	OF REL	EASE					
Type of Rele	ase Produc	ced Water and	crude oil			Volume of	Release 80 bbls obbls produced wa			tecovered: 50 bbls crude oil, 0 uced water		
		oorary tank ov	erflow			5/15/11 Ho	lour of Occurrenc our unknown	e	Date and 5/15/11 10	Hour of Discovery 0:00 a.m.		
Was Immediate Notice Given? X Yes No Not Required						If YES, To Mike Brate						
By Whom?						Date and Hour: 5/16/11 8:00 a.m.						
Was a Water	course Reac		v 157	1		If YES, Volume Impacting the Watercourse.						
			Yes 🗵	I No								
If a Watercou	ırse was Im	pacted, Descri	be Fully.	¢								
the sales line tank was set i lined.	overflowed nside an ea	due to the pro	ocess vess nent area	els were overload and overflow line	ed with s were i	fluid causing installed on th	the production to e tanks to overflo	release w into t	into the ve he producti	vent of a high line pressure on nt tank. A second temporary on containment area which is		
traveled in the	e same path ed to NMO	as the 5/2/11	release ar	nd ponded up in 2	of the a	areas that had	been excavated to	a depth	of approxi	000 sq. ft. of pasture. Oil mately 2 ft. The release site dated June 2012, for details of		
regulations al public health should their co or the environ	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.							eases, which may endanger eve the operator of liability s, surface water, human health				
							OIL CON	SERV	ATION	DIVISION		
Signatura		9	۵									
Printed Name: Tony Savoie						Approved by	District Supervise	or:				
Title: Waste			pecialist			Approval Dat	e:		Expiration 1	Date:		
E-mail Addre	ss: tasavoi	e@basspet.co	m			Conditions of Approval: Attached □			Attached			
Date: 8/3	0/12	Phone: (432	2) 556-87.	30								

Appendix C Archaeological Survey (NMCRIS Investigation Abstract Form)

NMCRIS No.: 120659

NMCRIS INVESTIGATION ABSTRACT FORM (NIAF)

1. NMCRIS	2a. Lead Agency:	2b. Other Agency(ies):	3. Lead Age	ncy Report No.:
120659	US Bureau of Land Management Carlsbad Field Office			
4. Title of Report:		1	5. 1	Type of Report
A Class III Archaeolo	gical Survey for the Poker Lake #68	Oil Spill.	ļ	Negative
			Aprilia	
Author(a)			. [1]	ositive
Author(s) Rebecca L. Hill, Chi	rictina Maurick			
Nebecca E. Filli, Oni	ISBNC WIDYTON			
6. Investigation Typ	<u>,</u> B			
Research Design		v Architectural Survey/Invento	rv : "Test Excaval	ion Excavation
Collections/Non-Fi		Based on Previous Inventory	• • •	2
Ethnographic Stud		,	Other	
7 Description of Un	dertaking (what does the project of			· · · · · · · · · · · · · · · · · · ·
by previous work.			ſ] Continuation
R Dates of Investiga	tion: from: 16-May-2011 to: 1	6-May-2011 9. Report Da	te: 17-May-2011	, j continuation
	cy/Consultant: Boone Arch Svcs o	<u> </u>		
Principal Investigat	•	1 1447		
Field Supervisor: R				
Field Personnel Nan	nes: Rebecca L. Hill Christine Mavrick			
Historian / Other:				
1. Performing Agen	cy/Consultant Report No.:			
BASNM 05-11-10				
12. Applicable Cultur	al Resource Permit No(s):			
BLM: #190-2920-1	1-N			

NMCRIS No.: 120659					
13. Client/Customer (project propor	nent):				
Basin Environmental					
Contact: Ben Arguijo					
Address: 3100 Plains Hwy, P. O. B	ox 301, Loving	gton, NM 88260		Phone: (575) 396-2378
14. Client/Customer Project No.:					
15. Land Ownership Status (must b	e indicated o	on project map):			
Land Owner (By Agency)				Acres Surveyed	Acres in APE
US Bureau of Land Management Ca	rlsbad Field O	ffice		2.48	2.48
Levels and the second s			TOTALS	3 2.48	2.48
16. Records Search(es):			A (1)	**************************************	
Date(s) of HPD/ARMS File Review:	13May2011	Name of Reviewer(s)	: Rebecca L. Hill	and the second s	
Date(s) of Other Agency File Review:	13May2011	Name of Reviewer(s)	: Rebecca Hill	Agency: BLM-Cl	=O
17. Survey Data:					
a. Source Graphics [] NAD 27	, L	I NAD 83 No	sta: NAD 92 ic th	e NMCRIS standa	, pr. ml
© USGS 7.5' (1:24,000) topo map	-	•	ic. HAD 00 is the	e milorito standa	ru.
GPS Unit Accuracy <1.0m	la most		0m	Aerial Pho	ito(s)
Other Source Graphic(s):	- -	<i>:</i>		-	, ,
b. USGS 7.5' Topographic Map Na	me			USGS Quad Co	ode
Big Sinks, NM	· · · · · · · · · · · · · · · · · · ·			32103-B7	
c. County(ies): EDDY					J
d. Nearest City or Town: Jal, NM					
e. Legal Description:					
Township (N/S)	Range (E/M	V)	Section		
24\$	31E	-	20		
Projected legal description?	[] Yes	[x] No		nplatted	
f. Other Description (e.g. well pad fo	otages, mile		grant name, etc.):	
				{] Continuation
18. Survey Field Methods:					
Intensity:100% coverage	ge <1	100% coverage			

linear survey units (l x w);

Configuration: 🐯 block survey units

NMCRIS No.: 120659				
other survey units (specify):				
Scope: onon-selective (all sites/properties	recorded) selective/thematic (se	elected sites/prop	erties reco	rded)
Coverage Method: 🜙 systematic pedestrian	coverage			
other method (describe):				
Survey Interval (m): 15 Crew Size: 2	Fieldwork Dates: from: 16-	May-2011	to: 16-M	av-2011
•	cording Person Hours:	Total Ho		•
Additional Narrative:				
LA 105160 and LA 106760 are located within 9 not be affected by the clean-up.	4 of a mile of the project area, but are	a sufficient dista	ance from th	ne project area as
]] Continuation
19. Environmental Setting (NRCS soil design	ation; vegetative community; eleva	tion; etc.):	······································	
shimmery oak, mesquite, tobosa, yucca, winterfa area, the Pecos River is located approximately 4		oermanent water	source is c	lose to the project
20.a. Percent Ground Visibility: 70%	b. Condition of Survey Area (g	prazed, bladed	(undistribu] Continuation
Grazing and oil and gas development.	5. Condition of Survey Area (§	grazeo, biadeo,	unuistriou	teu, etc.j.
] Continuation
21. CULTURAL RESOURCE FINDINGS	Yes, see next report section	•	, N. –	
Because the landform is a basin type, it is possit	•		1	discuss why:
Devade the landonn's a dain type, it is possi	ore that during prematoric times water	was located in t	ne basiii.] Continuation
22. Attachments (check all appropriate boxes)):			
[x] USGS 7.5 Topographic Map with sites	, isolates, and survey area clearly (drawn (required)	-
[x] Copy of NMCRIS Map Check (required		, - 4	•	
[] LA Site Forms - new sites (with sketch	•	hle		
[] LA Site Forms (update) - previously rec			1)	
[] Historic Cultural Property Inventory For		pages millimidit	.,	
List and Description of Isolates, if appli				
List and Description of Collections, if appril				
23. Other Attachments:	FF	·		
		1 1 046 = -	· Attmab	nte
[] Photographs and Log		(Describe):	· Attachme	ms

NMCRIS No.: 120859	
24.1 certify the information provided above is correct and accura	ate and meets all applicable agency standards
	Rebecca L. Hill
, -	
Signature: Alberta Dell Date: May	32611 Title: PI
25. Reviewing Agency	26. SHPO
Reviewer's Name/Date:	Reviewer's Name/Date:
Accepted [] Rejected []	HPD Log #:
	Date sent to ARMS:
CULTURAL RESOURCE	E FINDINGS
[fill in appropriate section(s)]
SURVEY RESULTS:	
No cultural resources were discovered during this survey.	
Archaeological Sites discovered and registered: 0	
Archaeological Sites discovered and NOT registered: 0	
Previously recorded archaeological sites revisited (site update for	orm required): 0
Previously recorded archaeological sites not relocated (site upd	
TOTAL ARCHAEOLOGICAL SITES (visited & recorded): 0	
Total isolates recorded: 0	Non-selective isolate recording?
HCPI properties discovered and registered: 0	
HCPI properties discovered and NOT registered: 0	
Previously recorded HCPI properties revisited: 0	
Previously recorded HCPI properties not relocated: 0	
TOTAL HCPI PROPERTIES (visited & recorded, including acequi	as): 0
MANAGEMENT SUMMARY:	
No cultural resources were discovered during this survey therefore; resources be discovered during clean-up the clean-up should cease a	it is recommended the project be approved. Should cultural and BLM-Carlsbad notified immediately.
	[] Continuation
IF REPORT IS NEGATIVE, YOU	• •
SURVEY LA/HCPI NUMBER LOG	CHIEROPHEN MICHIGANI (CHIEROPHEN MARKAMAN MARKAMAN MICHIAN MIC

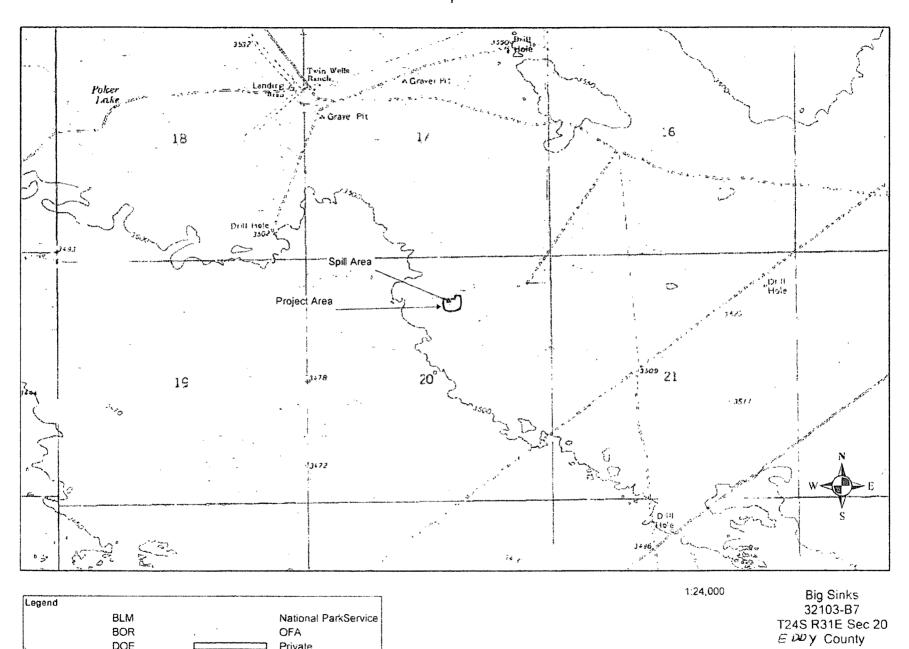
Sites/Properties Discovered:

LA/HCPI No. Field/Agency No.

Eligible? (Y/N/U, applicable criteria)

NMCRIS No.:	120659									
Previously reco	rded revisited sites/HCPI properties:									
LA/HCPI No.	Field/Agency No.	Eligible? (Y/N/U, applicable criteria)								
		· · · · · · · · · · · · · · · · · · ·								
MONITORING LA NUMBER LOG (site form required)										
Sites Discovered	d (site form required):	Previously recorded sites (site update form required):								
LA No. F	rield/Agency No.	LA No.		Field/Agency No.						
Areas outside kr	nown nearby site boundaries monitored?	[]	Yes		[] No, Explain					
TESTING & EXC	AVATION LA NUMBER LOG (site form requ	ired)								
Tested LA numb	er(s)	Excavated L	_A nu	mber(s)						

Poker Lake #68 Oil Spill



DOE

Forest Service

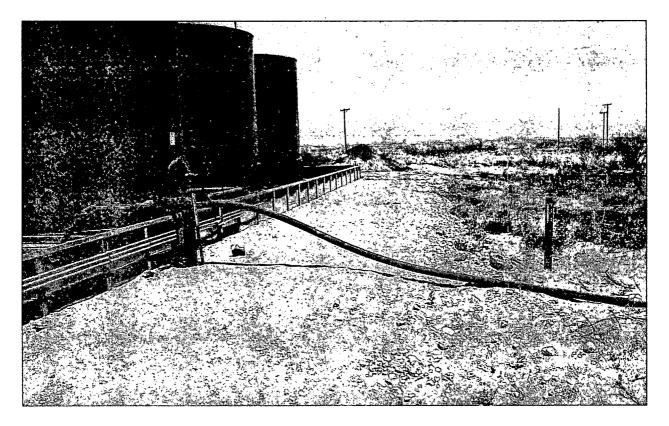
Private

State Park

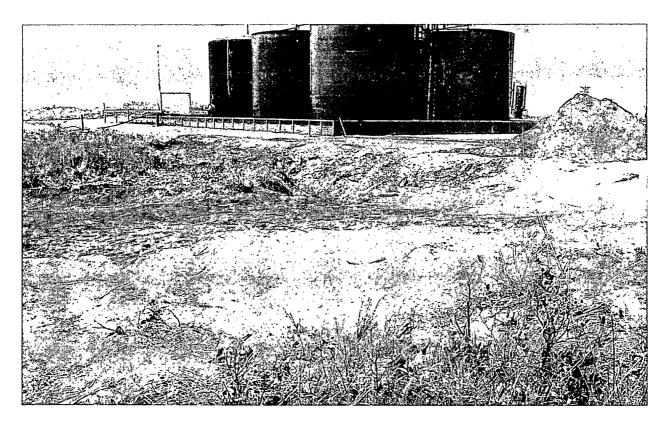
State Game and Fish

State

Appendix D Photographs



Photograph of the initial release at PLU #68. (Looking East)



Photograph of initial response activities at PLU #68. (Looking Northwest)



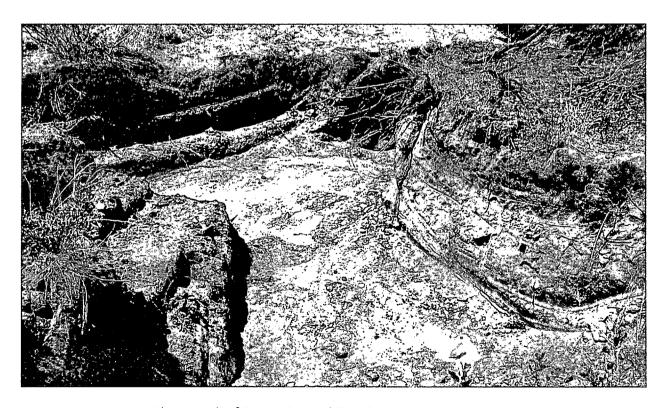
Photograph of May 15, 2012, release at PLU #68.



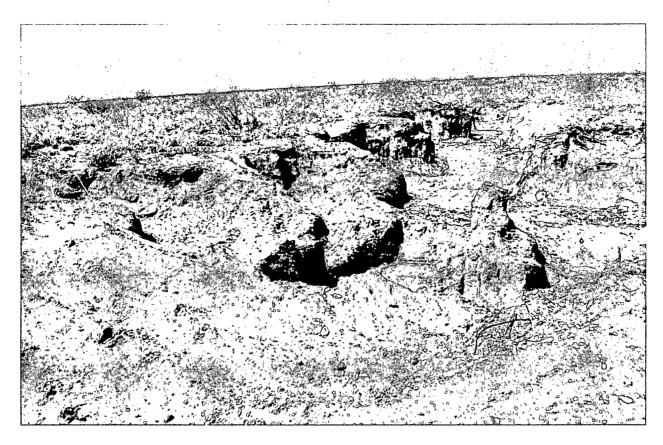
Photograph of May 15, 2011, release at PLU #68.



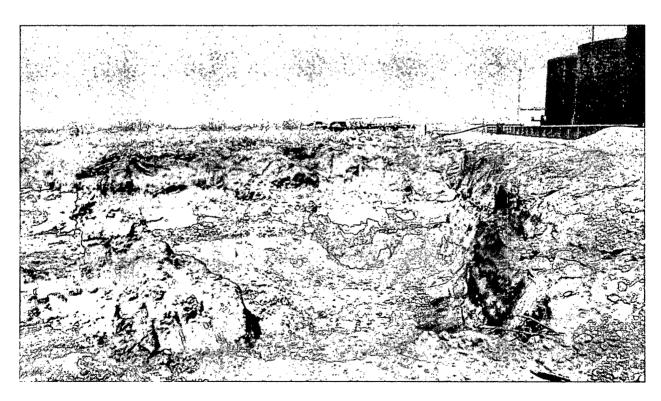
Photograph of Excavation and Sample Locations at PLU #68.



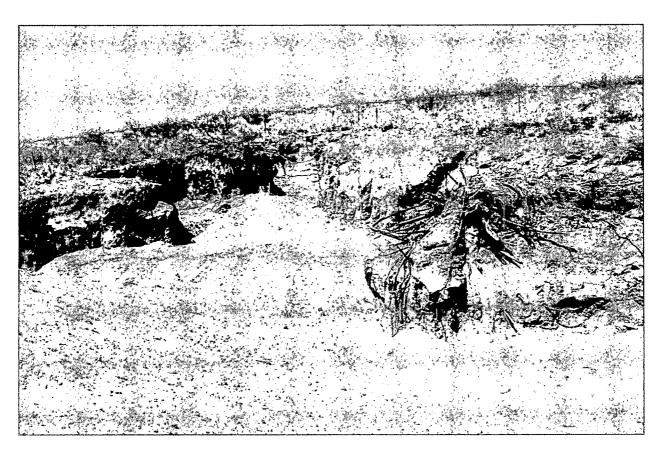
Photograph of Excavation and Sample Locations at PLU #68.



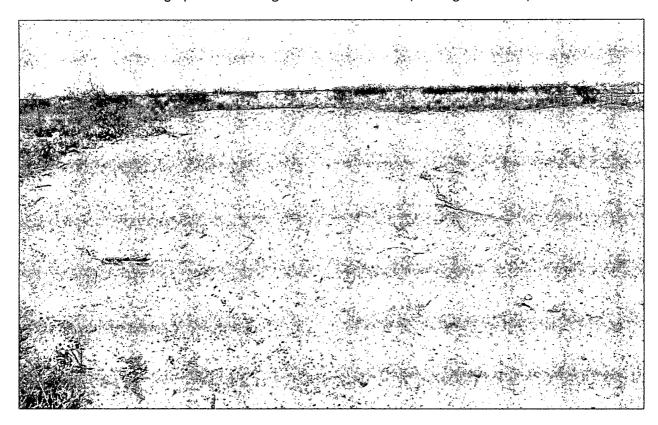
Photograph of Excavation and Sample Locations at PLU #68. (Looking Southwest)



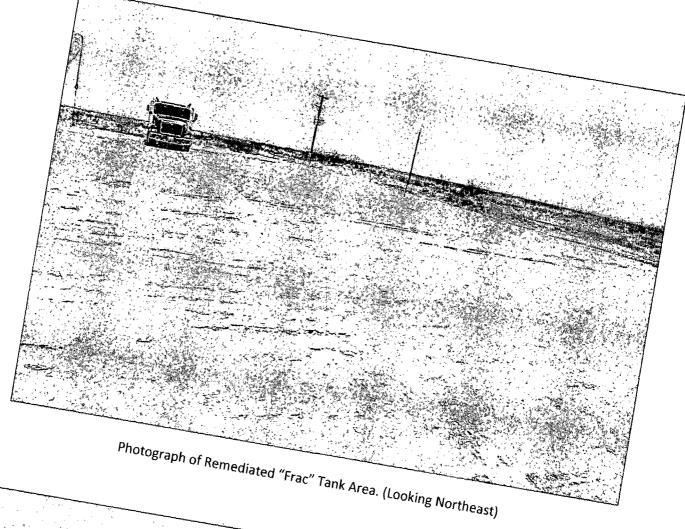
Photograph of Excavation and Sample Locations at PLU #68 release site. (Looking West)

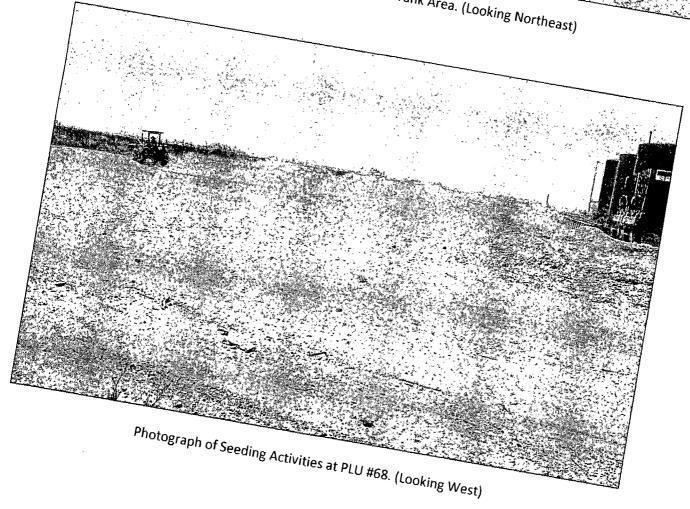


Photograph of Backfilling activities at PLU #68. (Looking Southwest)



Photograph of Backfilled excavation at PLU #68. (Looking South)





Appendix E Laboratory Analytical Reports



May 16, 2011

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: POKER LAKE UNIT #68

Enclosed are the results of analyses for samples received by the laboratory on 05/11/11 13:05.

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 Hydorcarbons

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

Cardinal Laboratories is accreditated 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.

Celeg & Kune

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



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

Received:

05/11/2011

Sampling Date:

05/09/2011

Reported:

05/16/2011

Sampling Type:

Soil

Project Name:

POKER LAKE UNIT #68

PLU - 68 TEMPORARY TANK SPILL

Sampling Condition:

Cool & Intact

Project Number: Project Location:

EDDY COUNTY, NM

Sample Received By:

Jodi Henson

Sample ID: POOLING AREA #1 @ 2' (H100950-01)

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/11/2011	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2490	50.0	05/12/2011	ND	170	85.0	200	1.60	
DRO >C10-C28	7380	50.0	05/12/2011	ND	156	77.9	200	1.45	
EXT DRO >C28-C35	397	50.0	05/12/2011	ND					
Surrogate: 1-Chlorooctane	115 %	6 70-130)						
Surrogate: 1-Chlorooctadecane	83.4 %	% 70-130)						

Sample ID: POOLING AREA #1 @ 4' (H100950-02)

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	05/12/2011	ND	170	85.0	200	1.60	
DRO >C10-C28	18.6	10.0	05/12/2011	ND	156	77.9	200	1.45	
EXT DRO >C28-C35	<10.0	10.0	05/12/2011	ND					
Surrogate: 1-Chlorooctane	104 9	% 70-130	ı						
Surrogate: 1-Chlorooctadecane	99.8	% 70-130)						

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Kuna



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

05/11/2011

Sampling Date:

05/09/2011

Reported:

05/16/2011

Sampling Type:

Soil

Project Name:

POKER LAKE UNIT #68

Sampling Condition:

Cool & Intact

Project Number:

PLU - 68 TEMPORARY TANK SPILL

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: POOLING AREA #2 @ 4' (H100950-03)

Chloride, SM4500Cl-B	mg/l	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/11/2011	ND	432	108	400	3.64	
TPH 8015M	mg/l	kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	630	50.0	05/12/2011	ND"	170∜ ≒-	85.0	200	1.60	
DRO >C10-C28	3510	50.0	05/12/2011	ND	156	77.9	200	1.45	
EXT DRO >C28-C35	164	50.0	05/12/2011	ND					
Surrogate: 1-Chlorooctane	126 %	<i>70-130</i>							
Surrogate: 1-Chlorooctadecane	90.7 %	6 70-130							

Sample ID: POOLING AREA #2 @ 5' (H100950-04)

TPH 8015M	mg/l	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	05/12/2011	ND	170	85.0	200	1.60	
DRO >C10-C28	<10.0	10.0	05/12/2011	ND	156	77.9	200	1.45	
EXT DRO >C28-C35	<10.0	10.0	05/12/2011	ND					
Surrogate: 1-Chlorooctane	91.5 %	5 70-130							
Surrogate: 1-Chlorooctadecane	91.6%	70-130							

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Celley to Kenne



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received:

05/11/2011

Sampling Date:

05/09/2011

Reported:

05/16/2011

Sampling Type:

Soil

Project Name:

POKER LAKE UNIT #68

Sampling Condition:

Cool & Intact

Project Number: Project Location:

PLU - 68 TEMPORARY TANK SPILL EDDY COUNTY, NM

Sample Received By:

Jodi Henson

Sample ID: POOLING AREA #3 @ SURFACE (H100950-05)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	05/11/2011	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: AB					<u> </u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1160	10.0	05/12/2011	ND	170	85.0	200	1.60	
DRO >C10-C28	11000	50.0	05/12/2011	ND	156	77.9	200	1.45	
EXT DRO >C28-C35	648	10.0	05/12/2011	ND					
Surrogate: 1-Chlorooctane	99.6	% 70-130)						
Surrogate: 1-Chlorooctadecane	74.0	% 70-130)						

Sample ID: POOLING AREA #3 @ 4' (H100950-06)

Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: HM					<u></u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	05/11/2011	ND	432	108	400	3.64	

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Celeg D. Kenne



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

Received:

05/11/2011

Sampling Date:

05/09/2011

Reported:

05/16/2011

Sampling Type:

Soil

Project Name:

Sampling Condition:

Cool & Intact

POKER LAKE UNIT #68

PLU - 68 TEMPORARY TANK SPILL

Sample Received By:

Jodi Henson

Project Number: Project Location:

EDDY COUNTY, NM

Sample ID: POOLING AREA #3 @ 6' (H100950-07)

TPH 8015M	mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	39.2	10.0	05/12/2011	ND	170	85.0	200	1.60	
DRO >C10-C28	487	10.0	05/12/2011	ND	156	<i>7</i> 7.9	200	1.45	
EXT DRO >C28-C35	28.9	10.0	05/12/2011	ND					
Surrogate: 1-Chlorooctane	97.4 %	70-130	1			*			
Surrogate: I-Chloroctadecane	00.69	× 70-130)						

Sample ID: POOLING AREA #4 @ SURFACE (H100950-08)

Chloride, SM4500CI-B	mg/	kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/11/2011	ND	432	108	400	3.64	n etialar .
TPH 8015M	mg/	kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1340	10.0	05/12/2011	ND	170	85.0	200	1.60	
DRO >C10-C28	10300	50.0	05/12/2011	ND	156	77.9	200	1.45	
EXT DRO >C28-C35	754	10.0	05/12/2011	ND					
Surrogate: 1-Chlorooctane	102 %	70-130							
Surrogate: 1-Chlorooctadecane	85.3 %	6 70-130							

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Calego Herra



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

70-130

(575) 396-1429

Received:

05/11/2011

Sampling Date:

05/09/2011

Reported:

05/16/2011

Sampling Type:

Soil

97.7%

Project Name:

POKER LAKE UNIT #68 PLU - 68 TEMPORARY TANK SPILL Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

Surrogate: 1-Chlorooctadecane

EDDY COUNTY, NM

Sample ID: POOLING AREA #4 @ 5' (H100950-09)

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	05/12/2011	ND	170	85.0	200	1.60	
DRO >C10-C28	78.4	10.0	05/12/2011	ND	156	77.9	200	1.45	
EXT DRO >C28-C35	<10.0	10.0	05/12/2011	ND					
Surrogate: 1-Chlorooctane	98.0	% 70-130)			,			

Sample ID: POOLING AREA #5 @ SURFACE (H100950-10)

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	05/11/2011	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1250	10.0	05/13/2011	ND	170	85.0	200	1.60	
DRO >C10-C28	11400	50.0	05/13/2011	ND	156	77.9	200	1.45	
EXT DRO >C28-C35	801	10.0	05/13/2011	ND					
Surrogate: 1-Chlorooctane	107	% 70-130)						

Surrogate: 1-Chlorooctane Surrogate: 1-Chlorooctadecane 78.1% 70-130

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Celeg D. Kenne Celey D. Keene, Lab Director/Quality Manager

Page 6 of 10



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

•

(575) 396-1429

Received:

05/11/2011

Sampling Date:

05/09/2011

Reported:

05/16/2011

Sampling Type:

Soil

Project Name:

POKER LAKE UNIT #68

Sampling Condition:

Cool & Intact

Project Number:

PLU - 68 TEMPORARY TANK SPILL

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: POOLING AREA #5 @ 5' (H100950-11)

TPH 8015M	mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifler
GRO C6-C10	<10.0	10.0	05/13/2011	ND	170	85.0	200	1.60	
DRO >C10-C28	119	10.0	05/13/2011	ND	156	77.9	200	1.45	
EXT DRO >C28-C35	<10.0	10.0	05/13/2011	ND					
Surrogate: 1-Chlorooctane	93.1 %	6 70-130)						77
Surrogate: 1-Chlorooctadecane	93.4 %	6 70-130)						

Sample ID: STOCKPILE (H100950-12)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	05/11/2011	ND	432	108	400	3.64	
TPH 8015M mg/kg		Analyzed By: AB					S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4570	50.0	05/13/2011	ND	170	85.0	200	1.60	
DRO >C10-C28	12500	50.0	05/13/2011	ND	156	77.9	200	1.45	
EXT DRO >C28-C35	716	50.0	05/13/2011	ND					
Surrogate: 1-Chlorooctane	143 %	70-130							
Surrogate: 1-Chlorooctadecane	89.4 %	3 70-130							

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Calley L. Kains



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

Cardinal Laboratories *=Accredited Analyte

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Celeg & Kenne



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:						BIL	L TO					Д	NAL	YSIS	RE	QUE	ST			
Project Manager	Ben J. Arguije				P.C). # <i>:</i>														
Address: P.O.					Co	mpany: Bo	PCO. LP		1	Ì								1		. 1
City: Lovingto	n State: NM	Zip:	882	60	Att	n: Tony	Savoie		- [. 1
Phone #: (575)		6-14	29		Ad	dress: 522	w. Merm	ba												
Project#: PUL	bo Temporary fantspil Project Owner	BOB	co,	P.b.	Cit	y: Carlab	ad													
Project Name:	Poter Lace VAI + 68				Sta	ate: NM	Zip: 88220)	1	İ		1								· •
Project Location	-11 1 1 1	,			Ph	one #: (432	2) 556 - 873	30				1								
Sampler Name:					Fa:	x #:			1				İ		l]			1	
FOR LABIUSE ONLY			T	MATRIX		PRESERV	SAMPLI	NG	2	10		1)			•		1			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	WASTEWATER SOIL OIL SLUDGE	OTHER:	ACID/BASE: ICE / COOL OTHER:	DATE	TIME	11 5108	(1, lor.)										
H1009501	Pooling Aren #1 @2'	Įľ.	4	K	L	X	5/9/11	0920	X	Х										
2	Posting Area #1 84'		\coprod		_			0930	X		<u> </u>			<u> </u>	<u> </u>		<u> </u>		L	
3	Poding Aren A2 A4'	Ш	\coprod	1 11	L			1005	X	K				<u> </u>	<u> </u>			<u> </u>	<u></u>	<u> </u>
<u> </u>	Pooling Aren #2 @ 5'	Ш	1	1111	L			1010	K					<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
5	Rolling Area #3@ Surface		1		_			1025	K	X					<u> </u>		ļ	<u> </u>		<u> </u>
0	Kooling Area #3 @ 4'				_			1030		X	<u> </u>						<u> </u>	<u> </u>		
7	Poung free +3 @6'	Ш	11		1_			1040	X		<u> </u>			<u> </u>	ļ	<u> </u>	<u> </u>		ļ	
-55	Pooling Aren 11 & a Suctace		Ц.		_	1-11-		1100	X	X	<u> </u>			<u> </u>	<u> </u>	1	<u> </u>		<u> </u>	
5	Pooling Area 4425	Ш			\perp		1	1115	X	_	<u> </u>				<u> </u>	1_	-	 		
10	Rolling loves it 5 D Surface	W	ΨL			1/1		1130	义	<u>LK</u>		<u> </u>				<u></u>				
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Relinquished By:	Date: 5/14/1/ Time: 130 5	Received By:	Fige	Phone Result: ☐ Yes ☐ No Add'l Phone #: Fax Result: ☐ Yes ☐ No Add'l Fax #: REMARKS:	
Relinquished By:	Date:	Received By:	-07 -	Run TPH, hold for BTEK	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool Intact Yes Yes No No	CHECKED BY:	Please email results to pm@basinenv.com % TAsavoie@BassPet.com	
† Cardinal cannot accept verb	al changes. Pleas	se fax written changes to 505-3	93-2476		? Pag



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	ompany Name: Basin Environmental Service Technologies, LLC				LC			BI	LL TO						ANAI	_YSI	S RE	QUE	ST				
Project Manager	Ben J. Arguijo						P.(O. #:															
Address: P.O.							Co	mpan	y: E	OPCO, LP												i	į l
City: Lovingto	on State: NM	Zip	: 8	8260			Att	n: T	ony	Savoie													
Phone #: (575)							Ad	dress	: 52	2 w. Merm	nod												
Project#: <i>PLM</i>	UE Emporary mesail Project Owner	; EC	PCC), LE	P		Cit	y; Ca:	rlsk	oad													
Project Name:	1 Ut unporary missill Project Owner Poker Lake Unit 469						Sta	ate: N	M	Zip: 88226	0												
Project Location	Eldy Con NM						Ph	one#	:(43	2)556-87	30												
Sampler Name:	B. Arguiro		****	,			Fa	x #:				1											
FOR LABIUSE ONLY		<u>,</u>			MAT	RIX		PRES	ERV	SAMPLI	NG		\ \							1			
Lab I.D.	Sample I.D.	(G)RABOR (C)OM	# CONTAINERS	GROUNDWATER	WASTEWATER SOIL	OIL	OTHER:	ACID/BASE:	OTHER:		TIME	N 5/08	Chocide										
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Inhibities or successors anning out of or related to the performance of services hereunder by Cardinal, regardless of whether such. Red in quished By: Time: Relinquished By: Date: Rejected By:					D	W	NS	<i>D</i> .	Van	Phone Re Fax Resu REMARK	lt:	un /	es [No No	Add'I						***************************************		
	elivered By: (Circle One) smpler - UPS - Bus - Other: Sample Conc. Cool intac. Time: Sample Conc. Cool intac. Types (I) Yes (I) No.							C		KED BY:					resul ssPet		pm⊕t	pasine	env.c	om			

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



May 23, 2011

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: POKER LAKE UNIT #68

Enclosed are the results of analyses for samples received by the laboratory on 05/18/11 11:25.

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 Hydorcarbons

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

Cardinal Laboratories is accreditated 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.

Celeg E Keene

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



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received:

05/18/2011

Sampling Date:

05/06/2011

Reported:

Soil

05/23/2011

Sampling Type:

Project Name:

POKER LAKE UNIT #68

Sampling Condition:

Cool & Intact

Project Number:

PLU - 68 TEMPORARY TANK SPILL

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: POOLING AREA 6 @ 4' (H101014-01)

Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13400	16.0	05/18/2011	ND	448	112	400	0.00	
TPH 8015M	mg ,	/kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/20/2011	ND	185	92.3	200	2.44	
DRO >C10-C28	73.5	10.0	05/20/2011	ND	160	80.1	200	8.23	
Surrogate: 1-Chlorooctane	109	% 70-130)						10.500
Surrogate: 1-Chlorooctadecane	109	% 70-130)						

Sample ID: POOLING AREA 6 @ 9' (H101014-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	05/18/2011	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/20/2011	ND	185	92.3	200	2.44	
DRO >C10-C28			05/20/2011	ND	160	80.1	200	8.23	
Surrogate: 1-Chlorooctane	104 % 70-130								
Surrogate: 1-Chlorooctadecane	108	% 70-130							

*=Accredited Analyte Cardinal Laboratories

PLEASE NOTE: Liability and Camages. 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 arry other cause whatsoerer shall be deemed watered unless made in willing and received by Cardinal william thirty (30) days after completion of the applicable service. In no event shall Cardinal be likely for incidental or consequential domages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidieries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims 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.

Caley D. Keine



ND

Notes and Definitions

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Analyte NOT DETECTED at or above the reporting limit

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

PLEASE NOTE: Likelithy and Damages. Cardina's Bublitty 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 clians, including those for negligence and art other cause whotsoever shall be deemed wated unless mode in withing and received by Cardinal within thirty (20) days after completion of the applicable service. In no event shall Cardinal be liable for incidented or consequential damages, including, without limitation, business interruptions, loss of use, or loss of use, or loss of profits incurred by clerit, 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 shade 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.

Calley & trains



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	Basin Environmental Service	Techno	ologies, LLC	BI	LL TO				ANA	LYSIS	RE	QUES	ST		
Project Manager	E Ben J. Arguijo			P.O. #:											(SERVICE)
Address: P.O.				Company: B	OPCO, LP								1		
City: Levingte	State: NM	Zip: g	8826C	Attn: Tony	Savoie								1		
Phone #: (575)) 396~2378 Fax #: (575) 3			Address: 523	2 w. Mer	nod									
Project#: PUI	68 - Temp from black Project Owne	r: BOPC	O, LP	City: Carlsb	ad										
Project Name:	68- Temp from black Project Owner Pober Lake Ulnit # 68			State: NM	Zip: 8822	0									
Project Location				Phone #: (43	2)556-87	30									
Sampler Name:	B. Black wood			Fax #:				Ì						İ	
FOR LAB USE ONLY		MATRIX	PRESERV.	SAMPL	ING		13								
Lab I.D. HIDIDI4	Sample I.D.	(G)RAB OR (C)OMF # CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	DATE	TIME	Chloride	8015							
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Relinquished By:	Date:	Received By:	Phone Result: Yes No Add'l Phone #:
10111	5-6-11		Fax Result: ☐ Yes ☐ No Add'l Fax #:
15/1 / Sallen	Time:	A MA	REMARKS:
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16/1/2	Time:	Mod! Wanda	Only Run TPHyif hold time has not expired.
	17:25	Well AUNDER	Please email results to pm@basinenv.com
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		Cool intact (Initials)	
Sampler - UPS - Bus - Other:		De Pres Pres / Att	
		No No	



May 25, 2011

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: POKER LAKE UNIT #68

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 Hydorcarbons

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

Cardinal Laboratories is accreditated 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.

Celeg & Keine

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



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received:

05/23/2011

Sampling Date:

05/20/2011

Reported:

Sampling Type:

Soil

05/25/2011

Cool & Intact

Project Name:

POKER LAKE UNIT #68

Sampling Condition:

Project Number:

PLU - 68 TEMPORARY TANK SPILL

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: POOLING AREA 4A @ 8 ' (H101051-01)

BTEX 8021B	mg/	kg	Analyze	d 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	93.3	% 70-130	1					-	
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/24/2011	ND	448	112	400	3.51	
TPH 8015M	mg/	kg	Analyze	d 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	102	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	105 9	% 70-130							
Surrogate: 1-Chlorooctadecane	93.4	% 70-130)						

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 waited 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, bickuting, without limitation, business interruptions, loss of use, or loss of profits natured 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.

Celeg D. Keine



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

ra)

05/23/2011

Reported: 05/25/2011

Received:

Project Name: POKER LAKE UNIT #68

Project Number: PLU - 68 TEMPORARY TANK SPILL

Project Location: EDDY COUNTY, NM

Sampling Date:

Sampling Type: Soil

Sampling Condition:

Sample Received By:

Cool & Intact

05/20/2011

Jodi Henson

Sample ID: POOLING AREA 5A @ 8 ' (H101051-02)

BTEX 8021B	mg ,	kg	Analyz	ed 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	93.8	% 70-130)						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM			<u></u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/24/2011	ND	448	112	400	3.51	
TPH 8015M	mg/	kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10.7	10.0	05/25/2011	ND	216	108	200	0.355	
DRO >C10-C28	484	10.0	05/25/2011	ND	188	93.8	200	1.10	
EXT DRO >C28-C35	30.9	10.0	05/25/2011	ND					
Surrogate: 1-Chlorooctane	103 %	5 70-130					······································		
Surrogate: 1-Chlorooctadecane	93.29	6 70-130							

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's flability and client's exclusive remedy for any claim arising, whether based in contact or tort, shall be limited to the amount paid by client for analyses. All claims, totalding those for negligance and any other cause whateverse shall be deemed waved unless made in withing and received by Cardinal within 18th 18th, and the completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including within 18th 18th, the contact in the contact i

Celegit Kains



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

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 chent for analyses. All claims, including those for negligence and any other cause whitsoevers shall be deemed waived unless made in writing and received by Cardinal within thirty (20) 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.

Clay D. Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Ompany Name: Basin Environmental Service Technologies, LLC							BII	LTO						ANAL	YSIS	RE	QUES	ST				
Project Manager	Bon J. Arguij:					P.C). #:															
Address: P.O.						Co	mpa	ny: B	OPCO, LP												1	
City: Lovingto	:1	State: NN	Zip	: <u>6</u>	8260	Att	n:	Teny	Savoie													
Phone #: (575)		Fax #: (576) 3	7 6-1	425	3	Ad	dres	s : 522	w. Mert	ed											1	
Project#: PLB @	S. trap land sell	Project Owner		PCC), DP	Cit	у; с	arlst	aci			·		•						1	1	
Project Name:	POROC LAKE	e Unit #6	2			Sta	ate:	MM	Z ip: 83320)										Ì	1	
Project Location	1: Eddy Co.	NII				Ph	one	#: (43	2)556-87	3.0											1	
Sampler Name:	B. May					Fa	x #:				8										1	
FOR LABILISE ONLY	,70				MATRIX		PRE	SERV.	SAMPLI	NG	18		(V)					,				
Lab I.D.	Sampl	e I.D.	GHRAB OR (C)OMP	CONTAINERS	GROUNDWATER WASTEWATER SOIL	SLUIA:E OTHER	ACID/BASE:	ICE / COOI. OTHER			18th (SOISM	BTEX	Choise									
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analyses All closes includ	ing those for negligence and any	and client's exclusive remedy for yother cause whatsoever shall be	Seenn	ed was	ved unless made in walling	and rec	eived D	y Cardinal	wittin 30 days aft	er completion of	ine applica	a Die										
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Sampler - UPS	Cool Intact Sampler - UPS - Bus - Other: Cardinal cannot accept verbal changes. Please fax written changes t			t. Yes		J	itials)		A 18	a∈V()]	- ക്ഷോഗ	Keil	COIII									
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May 27, 2011

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: POKER LAKE UNIT #68

Enclosed are the results of analyses for samples received by the laboratory on 05/26/11 16:12.

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 Hydorcarbons

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

Cardinal Laboratories is accreditated 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.

Celeg & Kune

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



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

Fax To:

Received: Reported: 05/26/2011

05/27/2011

Project Name: Project Number: POKER LAKE UNIT #68 PLU - 68 TEMPORARY TANK SPILL

Project Location:

EDDY COUNTY, NM

Sampling Date:

Sampling Type:

05/26/2011 Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: FLOOR #3 (H101095-01)

Chloride, SM4500Cl-B	mg/	kg	Analyzo	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	05/27/2011	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: AB		·			S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10600	50.0	05/27/2011	ND	197	98.4	200	0.816	
DRO >C10-C28	14200	50.0	05/27/2011	ND	160	80.2	200	5.79	
EXT DRO >C28-C35	1220	50.0	05/27/2011						
Surrogate: 1-Chloroactane	141 %	6 70-130							
Surrogate: 1-Chlorooctadecane	92.1 %	6 7 0-130							

Cardinal Laboratories

*=Accredited Analyte

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Celegit Keine



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

Cardinal Laboratories *=Accredited Analyte

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Celeg & Kaine

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

State: No. 18x 2013 P.O. N. P.O	ompany Name:	Basin Environment	al Service T	`esh	nole	ogias,	LLC	Г		BIL	L TO					1	NAL	YSIS.	RE	QUE	ST			
Company: BOPCO. LP V. Servingston State is: Zip aspect Anthri Torry Serving Anthr	roject Manager	Ben J. Arguijo	· · · · · · · · · · · · · · · · · · ·					P.C																
The state of the s								Co	mpany	: BC	PCO, LP												l	
The state of the s	ity: Levingto	n.	State: NN	Zip	3 8	260		Att	n: To	ny	Savoie		1											
State: 124 Zip: 5322 0 Oper Location: Policy Locate Land # 168 EDDY N.M. Phone #: 4321 556-8730 Implier Name: Soby Wa) fee S NAMENT PRESERV SAMPLING Lab I.D. Sample I.D.				€-1	429			Ad	dress:	522	w. Werm	ed .]											ĺ
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Ampler Name: Tooky Walters Faster F		· Poker Lake un	+ #68 EI	DDY	, N	14		Ph	one#:	/432	2)556-871		1										1	ĺ
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Relinquisited By: Date: Received By: Time: Delivered By: (Circle One) Sample Condition CHECKED BY: Cool Intact: [Initials] A "TABAVOICHBABSPET.COM" To be as a second work of second work of the condition	nalyses. All claims include ervice. In no event shall C titunes or significance and	ng mose for negligence and any other c landnance hable for moldental or conse- ing but of or relidento the performance	rause varatsonier shatibe quental damages, includir	Geens quarre Care no	ed wave us brota su zeloar	id uniess mi ilien, cusines diess stylce	de in whang s s interruption	ind rece s, lass i	eived by C a of use, or to	iroinai v iss of pi	uthm 30 days afti rofits incurred by	er completion of client its subsid associate officie	idha appik sunas, nna			No	TA dell'	Phone			/// 3	20.7		
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May 31, 2011

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: POKER LAKE UNIT #68

Enclosed are the results of analyses for samples received by the laboratory on 05/27/11 17:28.

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 Hydorcarbons

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

Cardinal Laboratories is accreditated 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.

Celey & Kune

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



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

Fax To:

Received: 05/27/2011 Reported: 05/31/2011

Project Name: POKER LAKE UNIT #68

Project Number: PLU - 68 TEMPORARY TANK SPILL

Project Location: EDDY COUNTY, NM

Sampling Date: 05/27/2011

Sampling Type: Soil

Sampling Condition: ** (See Notes)

Sample Received By: Celey D. Keene

Sample ID: SE CORNER FLOOR (H101104-01)

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	05/31/2011	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/31/2011	ND	203	101	200	1.89	
DRO >C10-C28	<10.0	10.0	05/31/2011	ND	163	81.7	200	0.0275	
EXT DRO >C28-C35	<10.0	10.0	05/31/2011	ND					
Surrogate: 1-Chlorooctane	106 %	5 70-130							
Surrogate: 1-Chlorooctadecane	91.8%	6 70-130							

Sample ID: SW CORNER FLO Chloride, SM4500CI-B	OOR (H10110 	•	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/31/2011	ND	416	104	400	3. <i>7</i> 7	
TPH 8015M	mg/l	kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/31/2011	ND	203	101	200	1.89	
DRO >C10-C28	<10.0	10.0	05/31/2011	ND	163	81.7	200	0.0275	
EXT DRO >C28-C35	<10.0	10.0	05/31/2011	ND					
Surrogate: 1-Chlorooctane	98.9 %	5 70-130			12				
Surrogate: 1-Chlorooctadecane	84.8 %	5 70-130							

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*=Accredited Analyte

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Celent Keine



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received:

05/27/2011

Sampling Date:

05/27/2011

Reported:

05/31/2011

Sampling Type:

Soil

POKER LAKE UNIT #68

Sampling Condition:

** (See Notes)

Project Name: Project Number:

PLU - 68 TEMPORARY TANK SPILL

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: CENTER FLOOR (H101104-03)

mg/	kg	Analyze	d By: CMS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	05/31/2011	ND	2.01	100	2.00	3.65	
<0.050	0.050	05/31/2011	ND	1.95	97.7	2.00	4.21	
<0.050	0.050	05/31/2011	ND	1.98	99.0	2.00	3.69	
<0.150	0.150	05/31/2011	ND	5.86	97.7	6.00	3.97	
92.8	% 70-130							
mg/	kg	Analyze	d By: HM					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
32.0	16.0	05/31/2011	ND	416	104	400	3.77	
mg/	kg	Analyze	d By: AB					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	05/31/2011	ND	203	101	200	1.89	
<10.0	10.0	05/31/2011	ND	163	81.7	200	0.0275	
<10.0	10.0	05/31/2011	ND					
109 9	% 70-130							
93.0	% 70-130							
	Result <0.050 <0.050 <0.050 <0.150 92.83 mg/ Result 32.0 mg/ Company (10.0) <10.0 <10.0	<0.050 0.050 <0.050 0.050 <0.050 0.050 <0.150 0.150 92.8 % 70-130 mg/kg Result Reporting Limit 32.0 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0	Result Reporting Limit Analyzed <0.050	Result Reporting Limit Analyzed Method Blank <0.050	Result Reporting Limit Analyzed Method Blank BS <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <0.050

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Celent Keine



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

Fax To:

05/27/2011 Received:

Reported:

05/31/2011

POKER LAKE UNIT #68

Project Number: Project Location:

Project Name:

PLU - 68 TEMPORARY TANK SPILL

EDDY COUNTY, NM

Sampling Date:

Sampling Type:

Soil Sampling Condition:

Sample Received By:

** (See Notes)

05/27/2011

Celey D. Keene

Sample ID: NE CORNER FLOOR (H101104-04)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/31/2011	ND	416	104	400	3. <i>7</i> 7	
TPH 8015M	mg	/kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifler
GRO C6-C10	<10.0	10.0	05/31/2011	ND	203	101	200	1.89	
DRO >C10-C28	<10.0	10.0	05/31/2011	ND	163	81.7	200	0.0275	
EXT DRO >C28-C35	<10.0	10.0	05/31/2011	ND					
Surrogate: 1-Chlorooctane	122	% 70-130							

Surrogate: 1-Chlorooctadecane

105 %

70-130

Sample ID: NW CORNER FLOOR (H101104-05)

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/31/2011	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: AB		···			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/31/2011	ND	203	101	200	1.89	
DRO >C10-C28	<10.0	10.0	05/31/2011	ND	163	81.7	200	0.0275	
EXT DRO >C28-C35	<10.0	10.0	05/31/2011	ND					
Surrogate: 1-Chlorooctane	119 %	5 70-130							
Surrogate: 1-Chlorooctadecane	109 %	70-130							

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*=Accredited Analyte

any other cause whatsoewer 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 ambation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, effiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such

Celegit Keine



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

(575) 396-1429 Fax To:

Received:

05/27/2011

Sampling Date:

05/27/2011

Reported:

05/31/2011

Sampling Type:

Soil

** (See Notes)

Project Name:

POKER LAKE UNIT #68

Sampling Condition: Sample Received By:

Celey D. Keene

Project Number: Project Location: PLU - 68 TEMPORARY TANK SPILL

EDDY COUNTY, NM

Sample ID: N WALL W END (H101104-06)

Chloride, SM4500Cl-B	mg,	kg	Analyze	d By: HM		·			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/31/2011	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/31/2011	ND	203	101	200	1.89	
DRO >C10-C28	<10.0	10.0	05/31/2011	ND	163	81.7	200	0.0275	
EXT DRO >C28-C35	<10.0	10.0	05/31/2011	ND					
Surrogate: 1-Chlorooctane	116	% 70-130							
Surrogate: 1-Chlorooctadecane	106	% 70-130	1						

Sample ID: N WALL E END (H101104-07)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/31/2011	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/31/2011	ND	203	101	200	1.89	
DRO >C10-C28	<10.0	10.0	05/31/2011	ND	163	81.7	200	0.0275	
EXT DRO >C28-C35	<10.0	10.0	05/31/2011	ND					
Surrogate: 1-Chlorooctane	117	% 70-130							
Surrogate: 1-Chlorooctadecane	99.5	% 70-130							

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aleg & Kenne



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

05/27/2011

Sampling Date:

05/27/2011

Reported:

05/2//2011

Sampling Type:

Soil

Project Name:

POKER LAKE UNIT #68

Sampling Condition:

** (See Notes)

Project Number:

PLU - 68 TEMPORARY TANK SPILL

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: N WALL MIDDLE (H101104-08)

:hloride	. SM45	500C	I-B

Analyzed By: HM

Chloride, SM4500CFD	iliy/		Anaiyze	u by. nm					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/31/2011	ND	416	104	400	3. <i>7</i> 7	
TPH 8015M	mg/	kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/31/2011	ND	203	101	200	1.89	
DRO >C10-C28	<10.0	10.0	05/31/2011	ND	163	81.7	200	0.0275	
EXT DRO >C28-C35	<10.0	10.0	05/31/2011	ND					
Surrogate: 1-Chlorooctane	115 %	6 70-130)						
Surrogate: 1-Chlorooctadecane	102 %	6 7 0-130	1						

Sample ID: E WALL N END (H101104-09)

Chloride, SM4500CI-B	mg/	kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/31/2011	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/31/2011	ND	203	101	200	1.89	
DRO >C10-C28	<10.0	10.0	05/31/2011	ND	163	81.7	200	0.0275	
EXT DRO >C28-C35	<10.0	10.0	05/31/2011	ND					
Surrogate: 1-Chlorooctane	120 %	6 70-130							
Surrogate: 1-Chlorooctadecane	103 %	6 70-130							

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive remedy for any claim arising, whether based in contact or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whetsoever shall be deemed watered 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 use, or loss of profits incurred by Cardinal, its substitutes, difficulties or successors arising out of or related to the performance of the services becaused by Cardinal, regardless of whether such claims is based upon any of the above stated reviews. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeny to Keens



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

(575) 396-1429 Fax To:

Received:

05/27/2011

Sampling Date:

05/27/2011

Reported:

05/31/2011

Sampling Type:

Soil

** (See Notes)

Project Name:

POKER LAKE UNIT #68

Sampling Condition:

Project Number:

PLU - 68 TEMPORARY TANK SPILL

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: E WALL MIDDLE (H101104-10)

Chloride, SM4500CI-B	mg/kg		Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/31/2011	ND	448	112	400	3.51	
TPH 8015M	mg/	kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/31/2011	ND	203	101	200	1.89	
DRO >C10-C28	<10.0	10.0	05/31/2011	ND	163	81.7	200	0.0275	
EXT DRO >C28-C35	<10.0	10.0	05/31/2011	ND					
Surrogate: 1-Chlorooctane	1189	% 70-130)	<u> </u>					
Surrogate: 1-Chlorooctadecane	106 9	% 70-130)						

Sample ID: W WALL S END (H101104-11)

mg/kg		Analyzed By: HM						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<16.0	16.0	05/31/2011	ND	448	112	400	3.51	
mg/	kg	Analyze	d By: AB					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	05/31/2011	ND	203	101	200	1.89	
<10.0	10.0	05/31/2011	ND	163	81.7	200	0.0275	
<10.0	10.0	05/31/2011	ND					
112 %	6 70-130)						
96.8 %	% 70-130)						
	Result <16.0 mg/ Result <10.0 <10.0 <10.0	Result Reporting Limit <16.0 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0	Result Reporting Limit Analyzed <16.0	Result Reporting Limit Analyzed Method Blank <16.0	Result Reporting Limit Analyzed Method Blank BS <16.0	Result Reporting Limit Analyzed Method Blank BS % Recovery <16.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <16.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <16.0

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Celeg B. Keine



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

05/27/2011

Sampling Date:

05/27/2011

Reported:

Sampling Type:

Soil

Project Name:

05/31/2011

Sampling Condition:

** (See Notes)

POKER LAKE UNIT #68

Project Number:

PLU - 68 TEMPORARY TANK SPILL

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: S WALL MIDDLE (H101104-12)

Chloride, SM4500CI-B	mg/kg		Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/31/2011	ND	448	112	400	3.51	
TPH 8015M	mg/	kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/31/2011	ND	203	101	200	1.89	
DRO >C10-C28	<10.0	10.0	05/31/2011	ND	163	81.7	200	0.0275	
EXT DRO >C28-C35	<10.0	10.0	05/31/2011	ND					
Surrogate: 1-Chlorooctane	118%	6 70-130							
Surrogate: 1-Chlorooctadecane	108 %	6 70-130							

Sample ID: W WALL MIDDLE (H101104-13)

Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/31/2011	ND	448	112	400	3.51	
TPH 8015M	mg/	kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/31/2011	ND	203	101	200	1.89	
DRO >C10-C28	11.7	10.0	05/31/2011	ND	163	81.7	200	0.0275	
EXT DRO >C28-C35	<10.0	10.0	05/31/2011	ND					
Surrogate: 1-Chlorooctane	113 %	6 70-130							
Surrogate: 1-Chlorooctadecane	103 %	6 70-130							

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any officer cause whatsoever shall be deemed watered 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 demogras, including, without limitation, business interruptions, loss of use, or loss of use, or loss of profits incurred by client, its subsidiaries, difficults or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is brend 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.

Calley I. Keine



Basin Environmental Service BEN J. ARGUIJO

P.O. Box 301

Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

05/27/2011

Sampling Date:

05/27/2011

Reported:

05/31/2011

Sampling Type:

Soil

** (See Notes)

Project Name:

POKER LAKE UNIT #68

Sampling Condition: Sample Received By:

Celey D. Keene

Project Number: Project Location: PLU - 68 TEMPORARY TANK SPILL

EDDY COUNTY, NM

Sample ID: W WALL N END (H101104-14)

Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/31/2011	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	05/31/2011	ND	203	101	200	1.89	
DRO >C10-C28	<10.0	10.0	05/31/2011	ND	163	81.7	200	0.0275	
EXT DRO >C28-C35	<10.0	10.0	05/31/2011	ND					
Surrogate: 1-Chlorooctane	113	% 70-130)						
Surrogate: 1-Chlorooctadecane	104	% 70-130)						

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Celey D. Keene, Lab Director/Quality Manager

Celley D. Keine

Page 9 of 12



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

Cardinal Laboratories

*=Accredited Analyte

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ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1

Company Name: Basin Frytronmental Service T Project Manager: Ben J. Arguijo			ANALYSIS REQUEST
L CONTRACTOR		P.O.#:	
Address: P.O. Box 3ot		Company: BOPCO, LP	
City: Lovington State: UM Zip: 8		Attn: Tony Savoie	1
Phone #: (575\ 396-2378 Fax #: (575) 396-		Address: 522 W. Mermo	
Project #: Project Owner: LP		City: Carls bad	1
Project Name: PLU*68		State: NM Zip: 88220	1
Project Location: Poker Lake unif # 68 E		Phone #: (432) 556-8730	3
Sampler Name: Troy Hahn		Fax#:	
FOR LAB URE ONLY	MATRIX	PRESERV. SAMPLING	- 7
H 10 (10 d − 1.D. Sample I.D. CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE	ACIDIANSE: ACIDIANSE: CE / COOL OTHER: ATAD	8015M Chlorides Rush Btex
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02 SW corner Floor 1		5-27-11 1320	XXX
03 Center Floor		5-27-11 1300	
04 NE Grner Floor		5-27-111400	X X
05 NW Corner Floor		5-27-11 1410	XXX
06 N Wall West end		5-27-11 1415	
07 N Wall East end		5-2741 1420	xxx
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#26

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2478

ARDINAL LABORATORIES 101 East Marland, Hobbe, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2

	(505) 393-2326 FAX (6	508) 393-2476	}							•	2	~ •	_													
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Project Manager	7.								P.O	, (\$:														Ī	T	
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June 08, 2011

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: POKER LAKE UNIT #68

Enclosed are the results of analyses for samples received by the laboratory on 06/01/11 16:28.

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 Hydorcarbons

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

Cardinal Laboratories is accreditated 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.

aley & Keine

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



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

Fax To:

Received:

06/01/2011

06/08/2011

06/01/2011

Reported:

Sampling Date: Sampling Type:

Soil

Project Name:

POKER LAKE UNIT #68

Sampling Condition:

Cool & Intact

Project Number:

PLU - 68 TEMPORARY TANK SPILL

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SEC 4 B FLOOR 10' BGS (H101127-01)

BTEX 8021B	mg/	kg	Analyz	ed By: CMS			<u></u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2011	ND	1.94	96.8	2.00	4.92	
Toluene*	<0.050	0.050	06/03/2011	ND	1.92	96.1	2.00	5.37	
Ethylbenzene*	<0.050	0.050	06/03/2011	ND	1.90	95.0	2.00	8.08	
Total Xylenes*	<0.150	0.150	06/03/2011	ND	5.60	93.3	6.00	8.04	
Surrogate: 4-Bromofluorobenzene (PIL	92.19	% 70-130)						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM		<u></u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/02/2011	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/03/2011	ND	185	92.4	200	6.70	
DRO >C10-C28	39.2	10.0	06/03/2011	ND	156	77.9	200	12.7	
EXT DRO >C28-C35	<10.0	10.0	06/03/2011	ND					
Surrogate: 1-Chlorooctane	126 %	70-130							
Surrogate: 1-Chlorooctadecane	124 %	70-130							

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*=Accredited Analyte

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Celeg L. Kuna



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

06/01/2011

Sampling Date:

06/01/2011

Reported:

06/08/2011

Sampling Type:

Soil

Cool & Intact

Project Name:

POKER LAKE UNIT #68 PLU - 68 TEMPORARY TANK SPILL Sampling Condition: Sample Received By:

Jodi Henson

Project Number: Project Location:

EDDY COUNTY, NM

Sample ID: SEC 4 B SOUTH WALL 9' BGS (H101127-02)

Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/02/2011	ND	400	100	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	816	10.0	06/03/2011	ND	185	92.4	200	6.70	
DRO >C10-C28	1810	10.0	06/03/2011	ND	156	77.9	200	12.7	
EXT DRO >C28-C35	97.4	10.0	06/03/2011	ND					
Surrogate: 1-Chlorooctane	102 9	% 70-130)						
Surrogate: 1-Chlorooctadecane	72.3	% 70-130)						

Sample ID: SEC 4 B N WALLL 9' BGS (H101127-03)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM			<u> </u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/02/2011	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/03/2011	ND	185	92.4	200	6.70	
DRO >C10-C28	<10.0	10.0	06/03/2011	ND	156	77.9	200	12.7	
EXT DRO >C28-C35	<10.0	10.0	06/03/2011	ND					
Surrogate: 1-Chlorooctane	105	% 70-130	ı						
Surrogate: 1-Chlorooctadecane	110	% 70-130	ı						

Cardinal Laboratories

*=Accredited Analyte

any other cause whatsoever shall be deemed warder durines made in writing and received by Cadrhal 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, between the completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, between the cardinal very limitation, between the cardinal very limitation, between the cardinal very limitation, between the cardinal very limitation, between the cardinal very limitation, between the cardinal very limitation, between the cardinal very limitation, between the cardinal very limitation, between the cardinal very limitation and the cardinal

Celecy D. Kaine



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

06/01/2011

Sampling Date:

06/01/2011

Reported:

06/08/2011

Sampling Type:

Soil

Project Name:

POKER LAKE UNIT #68

Sampling Condition:

Cool & Intact

Project Number:

PLU - 68 TEMPORARY TANK SPILL

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SEC 2 & 3B FLOOR 6' BGS (H101127-04)

BTEX 8021B	mg/	kg	Analyzo	ed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2011	ND	1.94	96.8	2.00	4.92	
Toluene*	0.171	0.050	06/03/2011	ND	1.92	96.1	2.00	5.37	
Ethylbenzene*	0.181	0.050	06/03/2011	ND	1.90	95.0	2.00	8.08	
Total Xylenes*	1.02	0.150	06/03/2011	ND	5.60	93.3	6.00	8.04	
Surrogate: 4-Bromofluorobenzene (PIL	92.3	% 70-130)						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/02/2011	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	61.0	10.0	06/03/2011	ND	190	94.8	200	4.55	
DRO >C10-C28	666	10.0	06/03/2011	ND	153	76.3	200	8.70	
EXT DRO >C28-C35	37.3	10.0	06/03/2011	ND					
Surrogate: 1-Chlorooctane	131 %	6 70-130							
Surrogate: 1-Chlorooctadecane	116 %	6 70-130							

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Danages. Cardinal's flability and clients exclusive remody for any claim arising, whether based in contact or tart, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any offer cause whitebower shall be deemed where unless mode in witting and received by Cardinal within thirty (20) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential disruppes, perhating, without finitiation, business interruptions, loss of use, or loss of profils incurred by client, its subsidiaries, difflates or successors arising out of or related to the performance of the services hereander by Cardinal, regardless of whether such claim is based upon any of the share stated receases or observice. Results related only to the complex identified doors. This report shall not be exprobled of Cardinal adorationics.

Celeg & Keine



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

(575) 396-1429 Fax To:

Received:

06/01/2011

Sampling Date:

06/01/2011

Reported:

Sampling Type:

Soil

06/08/2011

Project Name:

POKER LAKE UNIT #68

Sampling Condition:

Cool & Intact

Project Number:

PLU - 68 TEMPORARY TANK SPILL

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SEC 2 & 3B S WALL 5' BGS (H101127-05)

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM				,	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/02/2011	ND	400	100	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/03/2011	ND	190	94.8	200	4.55	
DRO >C10-C28	58.6	10.0	06/03/2011	ND	153	76.3	200	8.70	
EXT DRO >C28-C35	<10.0	10.0	06/03/2011	ND					
Surrogate: 1-Chlorooctane	100	% 70-130)						
Surrogate: 1-Chlorooctadecane	85.8	% 70-130)						

Sample ID: SEC 2 & 3B E WALL 3' BGS (H101127-06)

mg/	/kg	Analyze	d By: HM					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<16.0	16.0	06/02/2011	ND .	432	108	400	0.00	
mg/	/kg	Analyze	d By: AB					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	06/03/2011	ND	190	94.8	200	4.55	
<10.0	10.0	06/03/2011	ND	153	76.3	200	8.70	
<10.0	10.0	06/03/2011	ND					
119	% 70-130)						-
122	% 70-130)						
	Result <16.0 mg, Result <10.0 <10.0 <10.0	<16.0 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 119 % 70-130	Result Reporting Limit Analyzed <16.0	Result Reporting Limit Analyzed Method Blank <16.0	Result Reporting Limit Analyzed Method Blank BS <16.0	Result Reporting Limit Analyzed Method Blank BS % Recovery <16.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <16.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <16.0

*=Accredited Analyte Cardinal Laboratories

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 fimilited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed water united so withing and received by Cardinal within thirty (30) darps after completion of the applicable service. In no event shall be for incidental or consequential demayes, including, without hintation, business interruptions, boss of use, or loss of profils incurred by Clerk, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims 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.

Celeg D. Kenne Celey D. Keene, Lab Director/Quality Manager

Page 5 of 7



Z-01

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

One or more surrogates above historical limits.

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Libility and Danages. Cardinal's liability and client's exclusive remedy for any cloim arising, whether based in contract or tort, shell be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whitshower shall be deemed watered unless mode 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, birthdring, without limitation, brainess interruptions, loss of use, or loss of use, or loss of profits incurred by clarifical, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified doors. This report shall not be reproduced except in full with written approval of Cardinal Laboratizes.

aleg to Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

Company Name	Basin Environmental Service	Tech	ncl	ngies, LLC		BI	LL TO					-	ANAL	YSIS	RE	QUE	ST		
Project Manage	r: Ben J. Arguijo				Р.С	D. #:						30.2.2.2.0.000 (C							
Address: P.O					Co	mpany: B	OPCO, LP						Ì						
City: Loving:	on State: NM	Zip	: 88	260	Att	n: Tony	Savoie												
Phone #: (575		96-1	429		Ad	dress: 522	w. Mer	nod											
Project#:	Project Owne	r: BC	PCO	, LP	Cit	y: Carlsh	ad	***********											
Project Name:	Poker Lake Unit 68				Sta	ate: NM	Zip: 8822	0											
Project Location					Ph	one #: (43	2) 556-87	30	ĺ										
Sampler Name:	Jody Walters				Fa:	× #:			1,	/	1		.						
FOR LAB USE ONLY	, in the second	T	П	MATRIX		PRESERV.	SAMPL	NG	Ž	0									
Lab I.D. H101177	Sample I.D.	(G)RAB OR (C)OM	# CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER:	ACID/BASE: ICE / COOL OTHER:	DATE	TIME	8015m	Chilorid	18 TE								
- 1	Sec 4B Floor 10'Bb	C	1	Y		X.	6-1-11	11:10		X	X								
2	Sec 4B South Wall 9'BOS	C	,			X	6-1-11	11:20	Y	X									
3	Sec 4B Northwell 9'Blas	G)	x		く	6-1-11	11.30	У	X									
	Sec Z+3B Floor 6:B65	6	7	X		X	10-1-11	1.10	χ	\mathcal{X}	×								
	Sec 2438 Southwall 5 BHS	6	1	X		X	6-1-11	1.20	Х	X									
b	SIC243B East Wall 3 865	6	ſ	X		X	6-1-11	1:30	X	X									
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		<u> </u>	Ш							ļ	ļ						L		
	nd Damages. Cardinal's liability and client's exclusive remedy for		Ш						<u></u>						<u> </u>				

service. In no event shall Cardinal be tiable for incidental or consequental damages, including vithout limitation, business interruptions, loss of use, or loss of profits incurred by blent, its subsidiaries.

_	athliates or successors a issue out of or related to the performance of	i services nereunder by C.	alumat. egaluless of wite their social classifies dase.	a upon any or the autive states in	asons of otherwise.				
Ī	Relinquished By!:	Dates , , ,	Received By:		Phone Result:	☐ Yes	□ No	Add'l Phone #:	
1	// / V	10/1/11	1 1		Fax Result:	☐ Yes	□ No	Add'l Fax#:	
1	1/ //14	Time:	1/1/V/ MODA	A Ran	REMARKS:				
1	1/04/10/10	4.20	all sell						
I	Relinquished By:	Date:	Received By:						
ı	() /								
ı		Time:							
ı			L		Pleas	so email	resul	ts to pm@basinenv.com	
١	Delivered By: (Circle One)		Sample Condition	CHECKED BY:	ه ۱۲۵ ع	savoie®	RaceDoi	COM	
ı			. Cool Intact	(Ihitlals)					
Ì	Sampler - UPS - Bus - Other:	4.	JD LYes LYes	(MA	1				
i			No No	791					NEW CONTRACTOR



June 08, 2011

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: POKER LAKE UNIT #68

Enclosed are the results of analyses for samples received by the laboratory on 06/01/11 16:28.

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 Hydorcarbons

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

Cardinal Laboratories is accreditated 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.

Celeg & Kune

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



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received:

06/01/2011

Sampling Date:

05/31/2011

Reported:

06/08/2011

Sampling Type:

Soil

Project Name:

POKER LAKE UNIT #68

Sampling Condition:

Cool & Intact

Project Number:

PLU - 68 TEMPORARY TANK SPILL

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SEC 6B FLOOR 9' BGS (H101128-01)

BTEX 8021B	mg,	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2011	ND	1.94	96.8	2.00	4.92	
Toluene*	<0.050	0.050	06/03/2011	ND	1.92	96.1	2.00	5.37	
Ethylbenzene*	<0.050	0.050	06/03/2011	ND	1.90	95.0	2.00	8.08	
Total Xylenes*	<0.150	0.150	06/03/2011	ND	5.60	93.3	6.00	8.04	
Surrogate: 4-Bromofluorobenzene (PIL	92.8	% 70-130							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2011	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/07/2011	ND	190	94.8	200	4.55	
DRO >C10-C28	133	10.0	06/07/2011	ND	153	76.3	200	8.70	
EXT DRO >C28-C35	<10.0	10.0	06/07/2011	ND					
Surrogate: 1-Chlorooctane	112 5	% 70-130	1						
Surrogate: 1-Chlorooctadecane	114	% 70-130	ı						

Cardinal Laboratories

*=Accredited Analyte

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alex D. Kenne



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

06/01/2011

Sampling Date:

05/31/2011

Reported:

Sampling Type:

Soil

06/08/2011

Cool & Intact

Project Name:

POKER LAKE UNIT #68

PLU - 68 TEMPORARY TANK SPILL

Sampling Condition:

Project Number: Project Location:

EDDY COUNTY, NM

Sample Received By:

Jodi Henson

Sample ID: SEC 6B W WALL 8' BGS (H101128-02)

Chloride, SM 4500Cl-B	mg/	kg	Analyze	d By: HM				···	
Апаlyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/02/2011	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: AB					<u>-</u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/07/2011	ND	190	94.8	200	4.55	
DRO >C10-C28	<10.0	10.0	06/07/2011	ND	153	76.3	200	8.70	
EXT DRO >C28-C35	<10.0	10.0	06/07/2011	ND					
Surrogate: 1-Chlorooctane	98.4 %	6 70-130							
Surrogate: 1-Chlorooctadecane	104 %	70-130							

Sample ID: SEC 6B E WALL 8' BGS (H101128-03)

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/02/2011	ND	432	108	400	0.00	
TPH 8015M	mg/l	kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifler
GRO C6-C10	<10.0	10.0	06/07/2011	ND	190	94.8	200	4.55	
DRO >C10-C28	<10.0	10.0	06/07/2011	ND	153	76.3	200	8.70	
EXT DRO >C28-C35	<10.0	10.0	06/07/2011	ND					
Surrogate: 1-Chlorooctane	102 %	70-130							
Surrogate: 1-Chlorooctadecane	109 %	70-130							

Cardinal Laboratories

*=Accredited Analyte

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Celeg to trains



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

06/01/2011

Sampling Date:

05/31/2011

Reported:

06/08/2011

Sampling Type:

Soil

Project Name:

POKER LAKE UNIT #68

Sampling Condition:

Cool & Intact

Project Number:

PLU - 68 TEMPORARY TANK SPILL

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SEC 6B N WALL 8' BGS (H101128-04)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/02/2011	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/03/2011	ND	190	94.8	200	4.55	
DRO >C10-C28	97.5	10.0	06/03/2011	ND	153	76.3	200	8.70	
EXT DRO >C28-C35	<10.0	10.0	06/03/2011	ND					
Surrogate: 1-Chlorooctane	142 9	% 70-130							
Surrogate: 1-Chlorooctadecane	134 9	% 70-130							

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Celeg D. Kaine

Page 4 of 6



Z-01

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

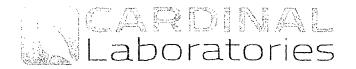
One or more surrogates above historical limits.

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damagies. Cardinal's liability and clears's excitative remedy for any closm arising, whether based in contract or text, shall be limited to the amount paid by client for analyses. All claims, holdering those for negligence and any ofter cause whitebovers shall be deemed watered unless mode 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 damagies, including, white the contract in the cont

Celley L. Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	Easin Environment	al Service T	'echr	olo	ogies	, LI	LC			81	LL TO						ANA	LYSIS	3 RE	QUE	ST		
Project Manage	^{r:} Ben J. Arguijo						~~~~	P.C). #:														
Address: P.O	. Box 301							Cor	mpan	y: B	OPCO, LP												
City: Lovingt	onro	State: NM	Zip:	882	260			Att	n: T	'eny	Savoie								'			.	
Phone #: (575	396-2378	Fax #: (575) 39	6-14	129		*	***********	Add	dress	: 522	w. Mer	mod										.	
Project#:		Project Owner:	: POI	co,	LP			City	y: Cai	rlsb	ad												
Project Name:	Pokerlake Uni	4#68						Sta	ite: M	M	Z ip: 8822	0											
Project Location	n:							Pho	one#	: (43:	2)556-87	30										-	
Sampler Name:	Jody Walters	5						Fax	< #:														
Lab I.D. HI01128	Sample I.E. Sec & B. Floor. Sec & B. Westwell Sec. & B. EAST Wall Sec & B. North Wall). 9	G G G	anama anama	GROUNDWATER	X	UO UICONTACTO	OTHER:		Paris OTHER:		TIME 10:30Am 10:40Am 11:00Am	X X	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	X	2							
service. In no event shall Cathlades or successors ariss Relinquished B Relinquished B	ardinal be liable for incidental or consequ- ng out of or related to the performance of y:	intal damages, including	Rec	eoardie	ed By:	es interest	rupions. Ich daim	loss of is base	use, or lo	oss of pr ny of the	ofits incurred by e above stated re	elient, its subsidie asons or otherwis Phone Re- Fax Resul REMARKS	nes. sult: t: S:	□ Ye	ail		Add'I			env.co	om	5943-08-08-08-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-	Las de Calabra de Cala
L penveren by	. (Choic One)			1	Jan	ے عادوا			Ur	1/2/01	2001.	i a	& TAS	avoi	e@Ba	ssPet	.com						

Sampler - UPS - Bus - Other:



June 13, 2011

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: POKER LAKE UNIT #68

Enclosed are the results of analyses for samples received by the laboratory on 06/06/11 16:35.

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 Hydorcarbons

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

Cardinal Laboratories is accreditated 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.

Celeg & Kreene

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



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

06/06/2011

Sampling Date:

06/06/2011

Reported:

06/13/2011

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Project Name: Project Number: POKER LAKE UNIT #68 PLU - 68 TEMPORARY TANK SPILL

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: AREA #7 FLOOR 12' BGS (H101169-01)

BTEX 8021B	mg/	'kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2011	ND	2.07	104	2.00	2.80	
Toluene*	<0.050	0.050	06/08/2011	ND	2.02	101	2.00	3.31	
Ethylbenzene*	<0.050	0.050	06/08/2011	ND	2.11	106	2.00	2.37	
Total Xylenes*	<0.150	0.150	06/08/2011	ND	6.14	102	6.00	3.01	
Surrogate: 4-Bromofluorobenzene (PIL	95.8	% 70-130)						
Chloride, SM4500Cl-B	mg /	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/07/2011	ND	464	116	400	3.51	
TPH 8015M	mg/	/kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/11/2011	ND	209	105	200	1.94	
DRO >C10-C28	<10.0	10.0	06/11/2011	ND	189	94.5	200	2.13	
EXT DRO >C28-C35	<10.0	10.0	06/11/2011	ND					
Surrogate: 1-Chlorooctane	118 5	% 70-130)						
Surrogate: 1-Chlorooctadecane	127 9	% 70-130	•						

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*=Accredited Analyte

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alex trene



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

(575) 396-1429 Fax To:

Received:

06/06/2011

Sampling Date:

06/06/2011

Reported:

Sampling Type:

Soil

06/13/2011

Cool & Intact

Project Name:

POKER LAKE UNIT #68

Sampling Condition:

Project Number:

PLU - 68 TEMPORARY TANK SPILL

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: AREA #7 NORTH WALL 11' BGS (H101169-02)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19200	16.0	06/07/2011	ND	464	116	400	3.51	
TPH 8015M	mg/	kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRØ C6-C10	<10.0	10.0	06/11/2011	ND	209	105	200	1.94	
DRO >C10-C28	<10.0	10.0	06/11/2011	ND	189	94.5	200	2.13	
EXT DRO >C28-C35	<10.0	10.0	06/11/2011	ND					
Surrogate: 1-Chlorooctane	139 9	6 70-130							
Surrogate: 1-Chlorooctadecane	152%	6 70-130							

Sample ID: AREA #7 SOUTH WALL 6' BGS (H101169-03)

Chloride, SM4500Cl-B	mg/1	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/07/2011	ND	464	116	400	3.51	
TPH 8015M	mg/l	kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/11/2011	ND	209	105	200	1.94	
DRO >C10-C28	<10.0	10.0	06/11/2011	ND	189	94.5	200	2.13	
EXT DRO >C28-C35	<10.0	10.0	06/11/2011	ND					
Surrogate: 1-Chlorooctane	130 %	70-130							
Surrogate: 1-Chlorooctadecane	138 %	70-130							

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any other cause whatsoever shall be deemed watered unless made in withing and received by Cardinal within thirty (30) days after competition of the applicable service. In one event shall cardinal be liable for incidental or consequential damages, including, without firstition, business interruptions, loss of use, or loss of use, or loss of profits houried by client, its subsidients, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is barred upon any of the obover stated revisions or otherwise. Results relate only to the samples identified drove. This report shall not be reproduced except in full with written approved of Cardinal laboratories.

Celegit Keens



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

06/06/2011

Sampling Date:

06/06/2011

Reported:

06/13/2011

Sampling Type:

Soil

Project Name:

POKER LAKE UNIT #68

Sampling Condition:

Cool & Intact

Project Number:

PLU - 68 TEMPORARY TANK SPILL

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: AREA #7 WEST WALL 11' BGS (H101169-04)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/07/2011	ND	464	116	400	3.51	
TPH 8015M	mg /	/kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/11/2011	ND	209	105	200	1.94	
DRO >C10-C28	<10.0	10.0	06/11/2011	ND	189	94.5	200	2.13	
EXT DRO >C28-C35	<10.0	10.0	06/11/2011	ND					
Surrogate: 1-Chlorooctane	117	% 70-130							
Surrogate: 1-Chlorooctadecane	127	% 70-130							

Sample ID: AREA #7 EAST WALL 11' BGS (H101169-05)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/07/2011	ND	464	116	400	3.51	
TPH 8015M	mg,	/kg	Analyze	d By: AB					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/11/2011	ND	209	105	200	1.94	
DRO >C10-C28	<10.0	10.0	06/11/2011	ND	189	94.5	200	2.13	
EXT DRO >C28-C35	<10.0	10.0	06/11/2011	ND					
Surrogate: 1-Chlorooctane	173	% 70-130)						
Surrogate: 1-Chlorooctadecane	187	% 70-130)						

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 Clardinal 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 hormore by clerk places 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.

Celeg & Kane



Notes and Definitions

Z-01	One or more surrogates above historical limits.
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

Cardinal Laboratories

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Calley & Kanna



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	Basin Environmental Service	Technolo	gies. LLC	81	LL TO					1	ANAL	YSIS	RE	QUES	37	
Project Manage	^{r:} Ben J. Arguijo			P.O. #:												
Address: P.O				Company: 8	OPCO, LP			ļ				İ				
City: Lovingt	on State: MM	Zip: 882	260	Attn: Tony	Savoie											
) 396~2378 Fax #: (575) 3	96-1429		Address: 52:	2 w. Mermo	d										
Project#:	Project Owne		LP	City: Carlsi	ad											
Project Name:	Poker Lake Unit 68		and white the second se	State: NH	Zip: 89220											
	n: Poker Lake Unit 68	EDDY	MM	Phone #: (43	2)556-8730)	İ		l							
Sampler Name:	Jody Walters			Fax #:												
FOR LAB USE CALLY			MATRIX	PRESERV.	SAMPLING	3										
Lab I.D. H 10116 ^C (Sample I.D.	(G)RAB OR (C)OM # CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL	OTHER: ACID/BASE. ICE / COOL OTHER:	DATE	TIME	108 m	Chlorides	BTEX							
]	AFEA#7 Floor 12'865	G 1	X ·	Ϋ́	10-6-11 1	d:30Am	X	X	X							
2.	AREA#7 North Wall 11'BLS	G!	X	У	6-6-11 1	1):40 AM	Υ	X								
.5	AREA#7 Southwall 6'1365	G	χ)	X	10.6.1/ 1	DSOAM	X	X								
4	AREAH 7 Westwall 11 BLS	G	Χ	χ	ا ال-ها-ها	1.00AM	X	X								
	AREA #7 EASTWALL IN BGS	G	X	Х	1-6-11	1.10 Am	X	X								
		<u> </u>														
		LIT		!							LT					

PLEASE NOTE: futably and Danalages. Cardinal's inciding and clearly exclusive remay for any dawn assess whether business care on contract or tor. And the funded to the annihilation and the funded on the annihilation and the second of the applicable careful and second or the applicable service. In an every sold Cardinal be liable for incidental or consequental damages, including swithout institution, business interruptions. It is not to so, or loss of profile incurred by obtain as successful.

affiliates or successors answered of or related to the performance	of services hereunder by (ardinal regardless of whether such claim is based open any of the abo	we stated rea	isons er otherwise					
Relinquished By: ///	Pate:/ 111	Received By:		Phone Result:	🗀 Yes	□No	Add'l Phone #:		
11/1 1/1	101011	MODE Merchan		Fax Result:	☐ Yes	□ No	Add'l Fax #:		
Whitall	Time 3/5)	GILL JULIANO		REMARKS:					
Relinguished By:	Date:	Received By:							
1	Time:			:01 n.e.s					
= 1.5 1.01				Pleas	se cmai	_ resul	.is to pm@basin	env.com	
Delivered By: (Circle One)		Sample Condition CHECKED	BY:	& TAs	ravoie@	BassPot	.com		
Sampler - UPS - Bus - Other:		5.5 Cool Intact Yes Yes No No	5)						

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



April 17, 2012

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: PLU 68

Enclosed are the results of analyses for samples received by the laboratory on 04/12/12 9:10.

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 accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited certif.html.

Cardinal Laboratories is accreditated 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.

Celeg E Keene

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



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

04/12/2012

Sampling Date:

04/11/2012

Reported:

Sampling Type:

Soil

Project Name:

04/17/2012

Cool & Intact

PLU 68

Sampling Condition:

Project Number: Project Location:

NONE GIVEN EDDY COUNTY, NM Sample Received By:

Jodi Henson

Sample ID: F.T.A. SOUTH WALL (H200841-01)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2012	ND	2.08	104	2.00	2.80	
Toluene*	<0.050	0.050	04/16/2012	ND	2.15	108	2.00	2.84	
Ethylbenzene*	<0.050	0.050	04/16/2012	ND	2.14	107	2.00	2.99	
Total Xylenes*	<0.150	0.150	04/16/2012	ND	6.61	110	6.00	2.53	
Surrogate: 4-Bromofluorobenzene (PIL	104	% 64.4-13	4						
Chloride, SM4500Cl-B	mg,	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/16/2012	ND	400	100	400	11.3	
TPH 8015M	mg,	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/14/2012	ND	191	95.6	200	6.82	
DRO >C10-C28	24.6	10.0	04/14/2012	ND	208	104	200	3.99	
EXT DRO >C28-C35	17.4	10.0	04/14/2012	ND					
Surrogate: 1-Chlorooctane	102	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	108	% 57.6-15	8						

Sample ID: F.T.A. EAST WALL (H200841-02)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/16/2012	ND	400	100	400	11.3	

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Celeg D. Keine



Basin Environmental Service BEN J. ARGULJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received: Reported: 04/12/2012

04/17/2012

Project Name:

PLU 68

Project Number:

NONE GIVEN

Project Location:

EDDY COUNTY, NM

Sampling Date:

04/11/2012

Sampling Type:

Soil Cool & Intact Sampling Condition:

Sample Received By:

Jodi Henson

Sample ID: F.T.A. WEST WALL (H200841-03)

Chloride, SM4500Cl-B

Analyzed By: AP

Analyte

Result

Reporting Limit

Analyzed

Method Blank

BS

% Recovery

100

True Value QC

RPD

Qualifier

Chloride

32.0

16.0

04/16/2012

ND

400

400

11.3

Sample ID: F.T.A. FLOOR (H200841-04)

Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/16/2012	ND	400	100	400	11.3	

Sample ID: F.T.A. NORTH WALL (H200841-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result Reporting Lin		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/16/2012	ND	400	100	400	11.3	

Cardinal Laboratories

*=Accredited Analyte

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Celeny 2 . Keens



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

Cardinal Laboratories *=Accredited Analyte

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alex D. Keine



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. Arguijo							P.O. #:								T										
Address: P.O. Box 301							Company: BOPCO, LP																		
City: Lovington State: NM Zip: 88260							Attn: Tony Savoie								-							ļ			
Phone #: (575)396-2378							Address: 522 w. Mermod										1								
Project #: Project Owner: BOPCO, LP							City: Carlsbad					ĺ													
Project Name: PLU 68							State: NM Zip: 88220																		
Project Location: EDDY N M							Phone #: (432) 556-8730														i				
Sampler Name:									Fax #:]											
FOR LAB USE CHLY		52.11	C)OMP.	T		ΝA	TRIX	X	PRESERV. SAMPLING					~									i 1		
Lab I.D. 1-1260341	250421			# CONTAINERS	GROUNDWATER	WASTEWATER SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIME	Chloride	1 \	1									
- 1	South w	all	P (G)RAB			У)	(4-11-12	130	X	X	X		********	-	-				-	
2	F.T.A EAST		G	1		Y	1			5	٨	4-1142		X											
h	F.T.A. West		G	1		УÝ					<i>i</i> ,	4-11-12	1:50	X											
<u> </u>	FTA. Floo		G)		χ					(4-11-12		X										-	
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PLEASE NOTE: Liability a	od Daniades Caronalis kal	phily and chemics exclusive remedy for	any da	Ĭ	ion w	ather tous	d in co	oninedi	oc lod	shall be	e violed	In the amount ca	id by the cheat to	i ilië	A DESTRUCTION COMES			THE RESERVE	***						
analyses. At claims includ.	ing those for negligence and	l any other cause whatsoever shall be to or consequental damages, includes	deeme	et weir	ed un	less made	a witi	ng and	recei	ved by C	ardinsl v	within 30 days afte	ar completion of t	he applica	abte										
	ingout of priciated to the p	erformance of services hereundar by	Cardina	i rena	das	ol whethe			is based upon any of the above stated reasons or other			acons or otherwi	se.		entra en s	- 14 C	IA dd'i	Phona	4	##3 4226/961	-	N.Drawskitz	PRINCE CONTROL	000 MA 1901.	
Telliquisieu p	1	9/11/10								Phone Result: Yes No Add'l Phone #: Fax Result: Yes No Add'l Fax #: REMARKS:															
to WI	W	1/30		A STATE OF THE PARTY OF THE PAR										٠,.											
Reinquished By: Date: \(\frac{1}{2} \rightarrow \fra							mind					Please email results to pm@basinenv.com													
Delivered By: (Circle One) Sampler - UPS - Bus - Other:							ion CHECHED BY: & TAS:							& TAsavoic@BassPet.com											

† Cardinal candinate Dept verbal changes. Please fax written/changes to 505/393-2-

hanges to 5ds 393-2476