

Basin Environmental Service Technologies, LLC

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Lovington, New Mexico 88260

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REMEDIATION SUMMARY & RISK-BASED SITE CLOSURE REQUEST

**BOPCO, LP
POKER LAKE UNIT #108
Eddy County, New Mexico
UNIT LTR "J" (NW/SE), Section 25, Township 24 South, Range 30 East
Latitude 32.187010° North, Longitude 103.832130° West**

Prepared For:

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

Prepared By:

**Basin Environmental Service Technologies, LLC
2800 Plains Highway
Lovington, New Mexico 88260**

December 2011

**Ben J. Arguijo
Project Manager**

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1.0 INTRODUCTION & BACKGROUND INFORMATION

Basin Environmental Service Technologies, LLC (Basin), on behalf of BOPCO, LP (BOPCO), has prepared this *Remediation Summary & Risk-Based Site Closure Request* for the release site known as Poker Lake Unit #108. The legal description of the release site is Unit Letter "J" (NW/SE), Section 25, Township 24 South, Range 30 East, in Eddy County, New Mexico. The geographic coordinates of the release site are 32.187010° North latitude and 103.832130° 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".

On August 26, 2011, BOPCO discovered a release had occurred at the Poker Lake Unit #108 pumping well. The packing in the pumping well's stuffing box failed, resulting in a release of produced water and crude oil. The release was reported to the New Mexico Oil Conservation Division (NMOCD) Artesia District Office on September 11, 2011. The "Release Notification and Corrective Action" (Form C-141) indicated approximately ten barrels (10 bbls) of produced water and less than one barrel (<1 bbl) of crude oil was released, with no recovery. The packing was replaced during initial response activities.

The release was confined to the caliche pad surrounding the Poker Lake Unit #108 pumping well and affected an area measuring approximately one thousand, five hundred square feet (1,500 ft²). The Form C-141 is provided as Appendix A. General photographs of the release site are provided as Appendix B.

2.0 NMOCD SITE CLASSIFICATION

A search of the New Mexico Water Rights Reporting System (NMWRRS) database maintained by the New Mexico Office of the State Engineer (NMOSE) indicated information was unavailable for Section 25, Township 24 South, Range 30 East. A depth-to-groundwater reference map utilized by the NMOCD indicates groundwater should be encountered at approximately four hundred feet (400') below ground surface (bgs). Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

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

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

NMOCD guidelines indicate the Poker Lake Unit #108 release site has an initial ranking score of zero (0) points. The soil remediation levels for a site with a ranking score of zero (0) points are as follows:

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

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

3.0 SUMMARY OF SOIL REMEDIATION ACTIVITIES

Following initial response activities, on October 31, 2011, excavation of impacted soil commenced at the site. A Photo-Ionization Detector (PID) and Hach Quantab chloride titrators were used to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation.

From October 31 through November 8, 2011, approximately seven hundred and twenty cubic yards (720 cy) of impacted soil was transported to Lea Land, Inc. (NMOCD Permit # WM-01-035) for disposal.

On November 3, 2011, one (1) delineation trench (Floor) was advanced at the site to delineate the vertical extent of impact at the site. The delineation trench was advanced in the floor of the excavation to a total depth of approximately eighteen feet (18') bgs.

Four (4) soil samples (North Wall, South Wall, East Wall, and West Well) collected from the sidewalls of the excavation and four (4) soil samples (Floor @ 6', Floor @ 10', Floor @ 14', and Floor @ 18') from delineation trench "Floor" were submitted to Cardinal Laboratories (Hobbs, New Mexico) for analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX), total petroleum hydrocarbons (TPH), and/or chlorides using EPA methods SW-846 8021b, SW-846 8015M, and 4500 Cl-B, respectively. Table 1 summarizes the "Concentrations of Benzene, BTEX, TPH & Chlorides in Soil". A "Site & Sample Location Map" is provided as Figure 2. Laboratory analytical reports are provided as Appendix C.

Laboratory analytical results indicated benzene and BTEX concentrations were less than the appropriate laboratory method detection limit (MDL) in all soil samples submitted. TPH concentrations ranged from less than the laboratory MDL in soil samples North Wall, South Wall, East Wall, West Well, Floor @ 6', and Floor @ 14' to 13.2 mg/Kg in soil sample Floor @ 10'. Chloride concentrations ranged from 16.0 mg/Kg in soil sample East Wall to 4,080 mg/Kg in soil sample Floor @ 6'. Review of laboratory analytical results indicated benzene, BTEX, and TPH concentrations were less than NMOCD regulatory standards in all soil samples submitted.

Based on laboratory analytical results and field-screens, from November 4 through November 9, 2011, the excavation was backfilled in eighteen inch (18") lifts, compacted, and contoured to fit the surrounding topography. Prior to backfilling, a 20 mil polyurethane liner was installed in the floor of the excavation at approximately four feet (4') bgs. Approximately one foot (1') of non-impacted pad sand was installed both above and below the liner to protect the liner from damage during installation and backfilling activities. Final dimensions of the excavation were approximately sixty-seven feet (67') in length, approximately sixty-four feet (64') in width, and ranging in depth from approximately one foot (1') to approximately five feet (5') bgs.

4.0 QA/QC PROCEDURES

4.1 Soil Sampling

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

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

4.2 Decontamination of Equipment

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

4.3 Laboratory Protocol

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

5.0 SITE CLOSURE REQUEST

Soil samples collected from the floor and sidewalls of the Poker Lake Unit #108 excavation were analyzed by an NMOCD-approved laboratory, and concentrations of benzene, BTEX, TPH, and chlorides were less than the remediation action levels established for the site. Based on these laboratory analytical results, Basin recommends BOPCO provide the NMOCD Artesia District and the BLM a copy of this *Remediation Summary & Risk-Based Site Closure Request* and request the NMOCD grant site closure to the Poker Lake Unit #108 release site.

6.0 LIMITATIONS

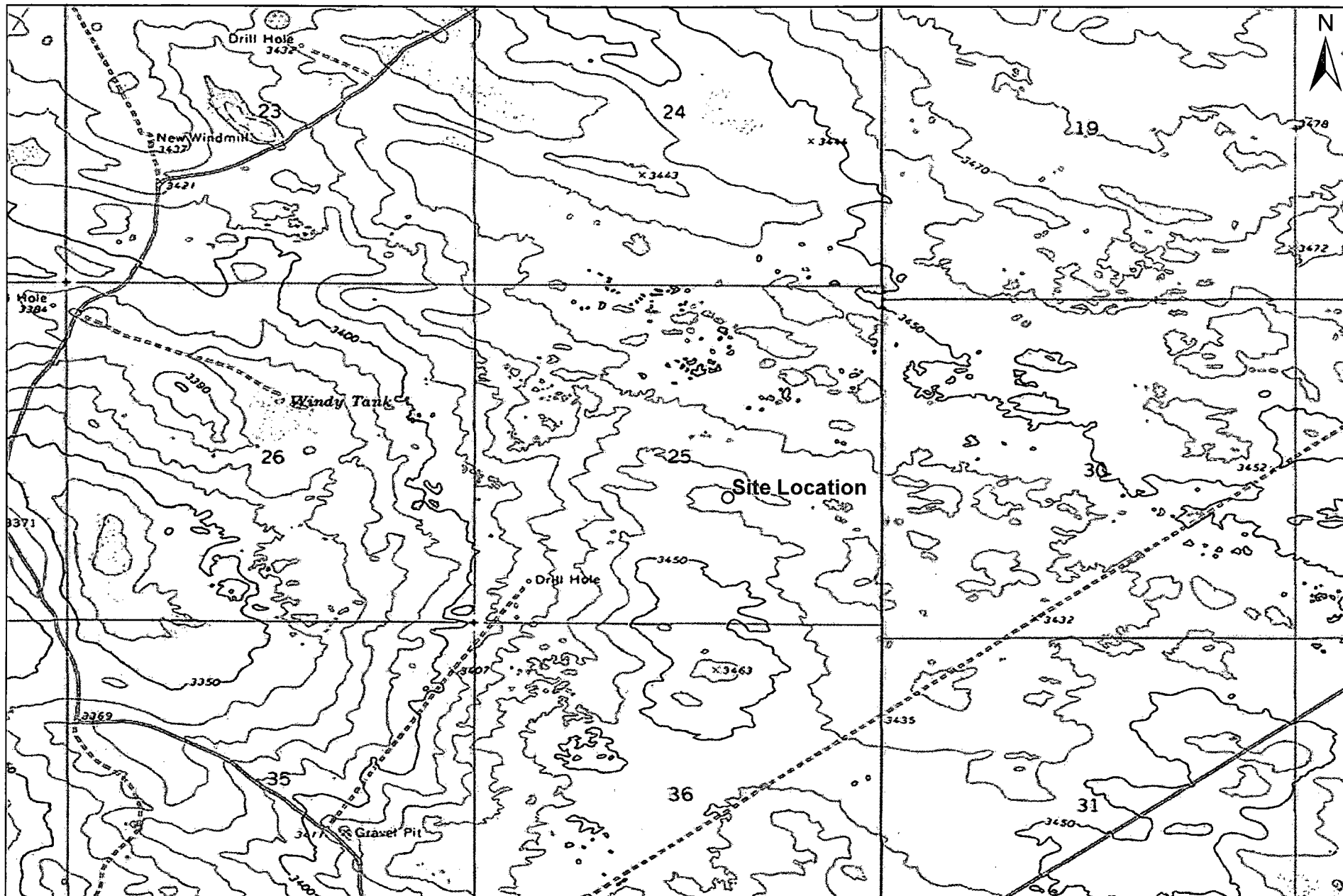
Basin Environmental Service Technologies, LLC, has prepared this *Remediation Summary & Risk-Based Site Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Basin has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Basin has not conducted an independent examination of the facts contained in referenced materials and statements. Basin has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Basin has prepared this report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Basin notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of BOPCO, LP. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Basin Environmental Service Technologies, LLC, and/or BOPCO, LP.

7.0 DISTRIBUTION:

- Copy 1: Mike Bratcher
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division (District 2)
1301 E. Grand Avenue
Artesia, New Mexico 88210
- Copy 2: James Amos
Bureau of Land Management
602 E. Greene Street
Carlsbad, New Mexico 88220
- Copy 3: Tony Savoie
BOPCO, LP
522 W. Mermod, Ste. 704
Carlsbad, New Mexico 88220
- Copy 4: Basin Environmental Service Technologies, LLC
P.O. Box 301
Lovington, New Mexico 88260

Figures



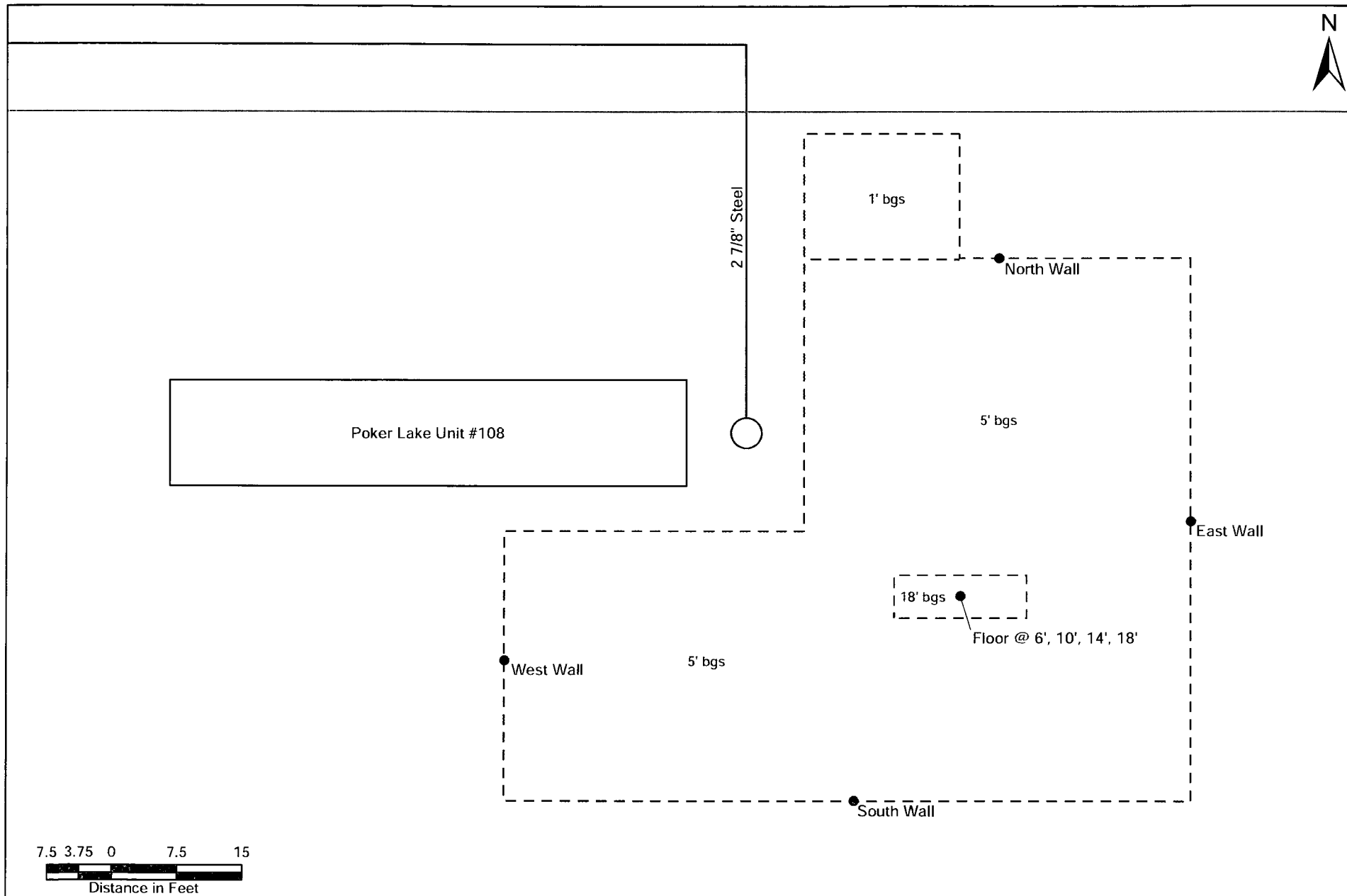
1,000 500 0 1,000 2,000
 Distance in Feet


Figure 1
Site Location Map
BOPCO, LP
Poker Lake Unit #108
Eddy County, New Mexico



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

Drawn By: BJA	Checked By: BRB
December 28, 2011	Scale: 1" = 2000'



<p>Legend:</p> <p>--- Excavation Extent</p> <p>— Pipeline</p> <p>— Caliche Pad</p> <p>● Sample Location</p>	<p>Figure 2</p> <p>Site & Sample Location Map</p> <p>BOPCO, LP</p> <p>Poker Lake Unit #108</p> <p>Eddy County, New Mexico</p>	<div></div> <p>Basin Environmental Service Technologies, LLC</p> <p>3100 Plains Hwy.</p> <p>Lovington, NM 88260</p> <table><tr><td>Drawn By: BJA</td><td>Checked By: BRB</td></tr><tr><td>December 28, 2011</td><td>Scale: 1" = 15'</td></tr></table>	Drawn By: BJA	Checked By: BRB	December 28, 2011	Scale: 1" = 15'
Drawn By: BJA	Checked By: BRB					
December 28, 2011	Scale: 1" = 15'					

Tables

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDES IN SOIL

BOPCO, LP
POKER LAKE UNIT #108
EDDY COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M			TOTAL TPH C ₆ -C ₃₅ (mg/Kg)	4500 CI-B CHLORIDE (mg/Kg)
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	ORO C ₂₈ -C ₃₅ (mg/Kg)		
North Wall	4'	11/3/2011	In-situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	608
South Wall	4'	11/3/2011	In-situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	384
East Wall	4'	11/3/2011	In-situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	16.0
West Wall	4'	11/3/2011	In-situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	752
Floor @ 6'	6'	11/3/2011	In-situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	4,080
Floor @ 10'	10'	11/3/2011	In-situ	-	-	-	-	-	<10.0	13.2	<10.0	13.2	3,160
Floor @ 14'	14'	11/3/2011	In-situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	1,520
Floor @ 18'	18'	11/3/2011	In-situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	13.0	<10.0	13.0	448
NMOCD Criteria				10				50				5,000	

- = Not analyzed.

Appendices

Appendix A
Release Notification &
Corrective Action (Form C-141)

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

State of New Mexico
Energy Minerals and Natural Resources

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

Basin

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company BOPCO, L.P.	Contact Tony Savoie	
Address 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220	Telephone No. 432-556-8730	
Facility Name Poker Lake Unit #108	Facility Type E&P	
Surface Owner Federal	Mineral Owner Federal	Lease No

LOCATION OF RELEASE

Unit Letter J	Section 25	Township 24S	Range 30E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	----------------

Latitude N 32.187010 Longitude W 103.832130

NATURE OF RELEASE

Type of Release: Produced water and crude oil	Volume of Release: 10 bbls of produced water and <1 bbl of crude oil.	Volume Recovered: 0
Source of Release: Pumping well stuffing box.	Date and Hour of Occurrence 8/26/11, Hour unknown	Date and Hour of Discovery 8/26/11 8:30 a.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* The pumping well stuffing box packing failed, the packing was replaced the same day.		
Describe Area Affected and Cleanup Action Taken.* Approximately 1500 sq. ft. of caliche well pad was affected by the release. All of the fluid soaked into the ground. A remediation plan will be developed in accordance with the NMOCD and BLM remediation guidelines.		
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.		

RECEIVED
SEP 13 2011
11:30
NMOCD ARTESIA

Signature: <i>Tony Savoie</i>		OIL CONSERVATION DIVISION	
Printed Name: Tony Savoie		Approved by District Supervisor:	
Title: Waste Mgmt. & Remediation Specialist		Approval Date:	Expiration Date:
E-mail Address: TASavoie@BassPct.com		Conditions of Approval:	
Date: 9/11/11	Phone: 432-556-8730	Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

BLM - 13:30
9/13/11

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
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

Initial Report

☒ Final Report

Name of Company	BOPCO, LP	Contact	Tony Savoie
Address	522 W. Mermod, Suite 704, Carlsbad, NM 88220	Telephone No.	(432)556-8730
Facility Name	Poker Lake Unit #108	Facility Type	E&P
Surface Owner	Federal	Mineral Owner	Federal
		Lease No.	

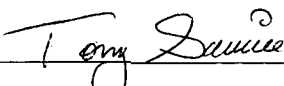
LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	25	24S	30E					Eddy

Latitude 32.187010° North

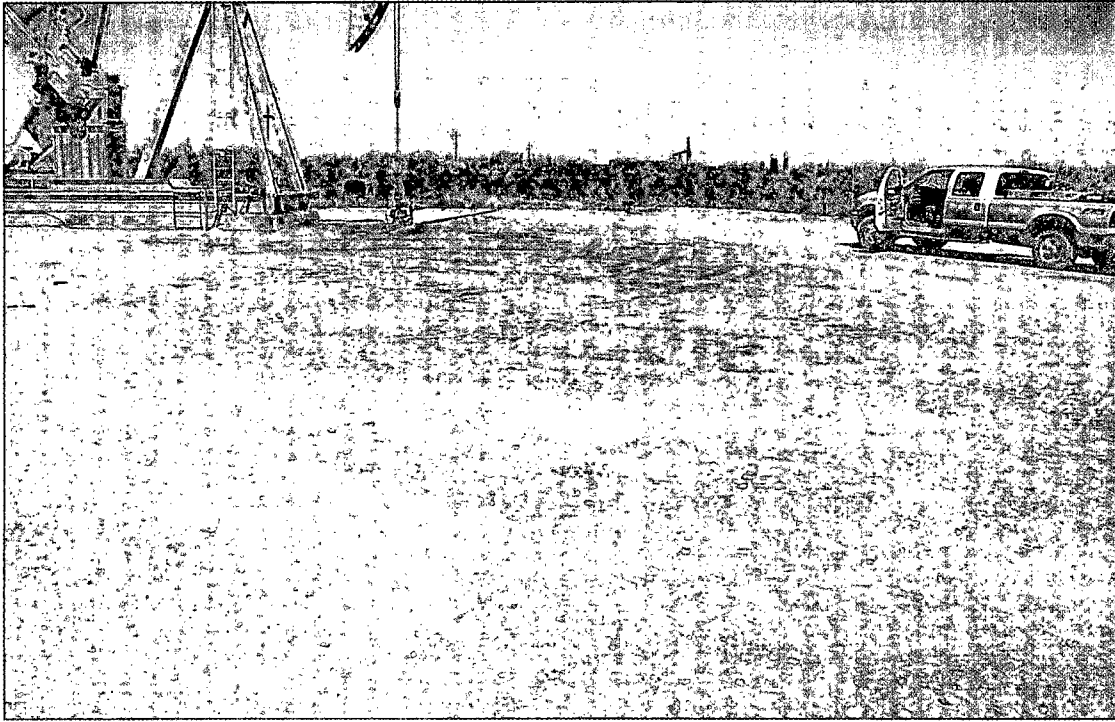
Longitude 103.832130° West

NATURE OF RELEASE

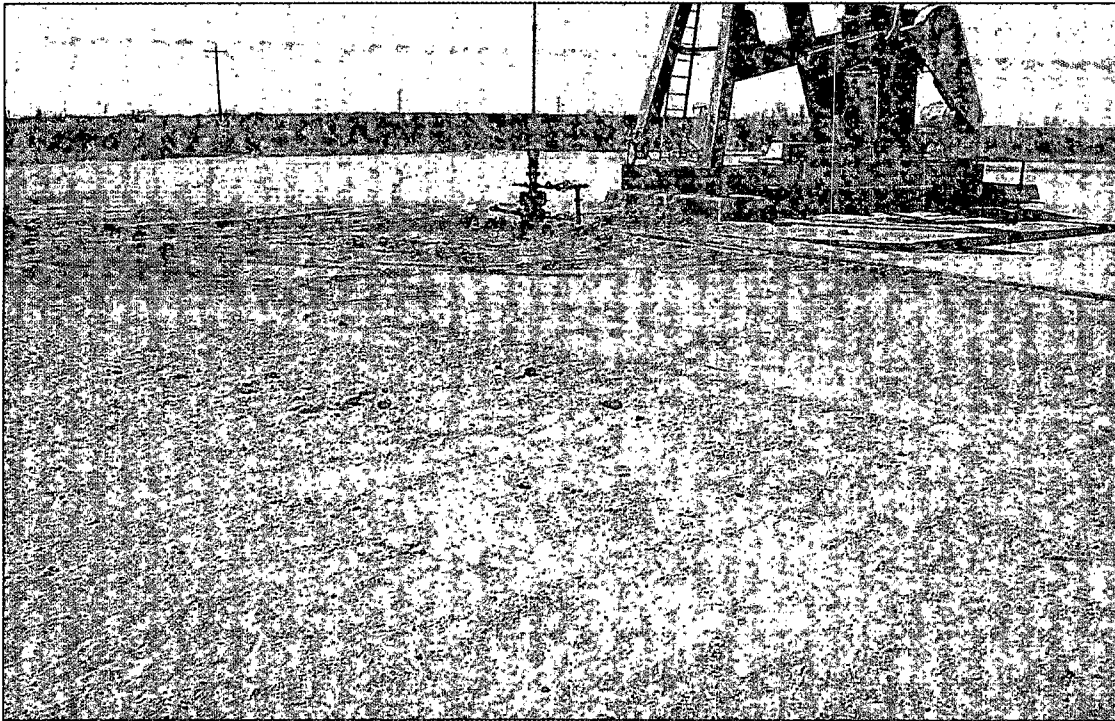
Type of Release	Produced water and crude oil	Volume of Release	10 bbls of produced water and <1 bbl of crude oil	Volume Recovered	0
Source of Release	Pumping well stuffing box	Date and Hour of Occurrence	8/26/11, Hour unknown	Date and Hour of Discovery	8/26/11, 8:30 a.m.
Was Immediate Notice Given?	Yes No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?	Date and Hour				
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse:			
If a Watercourse was Impacted, Describe Fully.*		<div>RECEIVED JAN 04 2012 NMOCD ARTESIA</div>			
Describe Cause of Problem and Remedial Action Taken.* The pumping well stuffing box packing failed. The packing was replaced the same day.					
Describe Area Affected and Cleanup Action Taken.* Approximately 1,500 sq. ft. of caliche well pad was affected by the release. Following initial response activities, the release was remediated in accordance with NMOCD and BLM guidelines. Please reference the attached <i>Remediation Summary & Risk-Based Site Closure Request</i> for remediation details.					
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases, which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.					
Signature: 		OIL CONSERVATION DIVISION			
Printed Name: Tony Savoie		Approved by District Supervisor:			
Title: Waste Mgmt. & Remediation Specialist		Approval Date:		Expiration Date:	
E-mail Address: TASavoie@BassPet.com		Conditions of Approval:			
Date: 12/29/2011		Phone: (432)556-8730			

Appendix B

Photographs



Poker Lake Unit #108 - Release Site



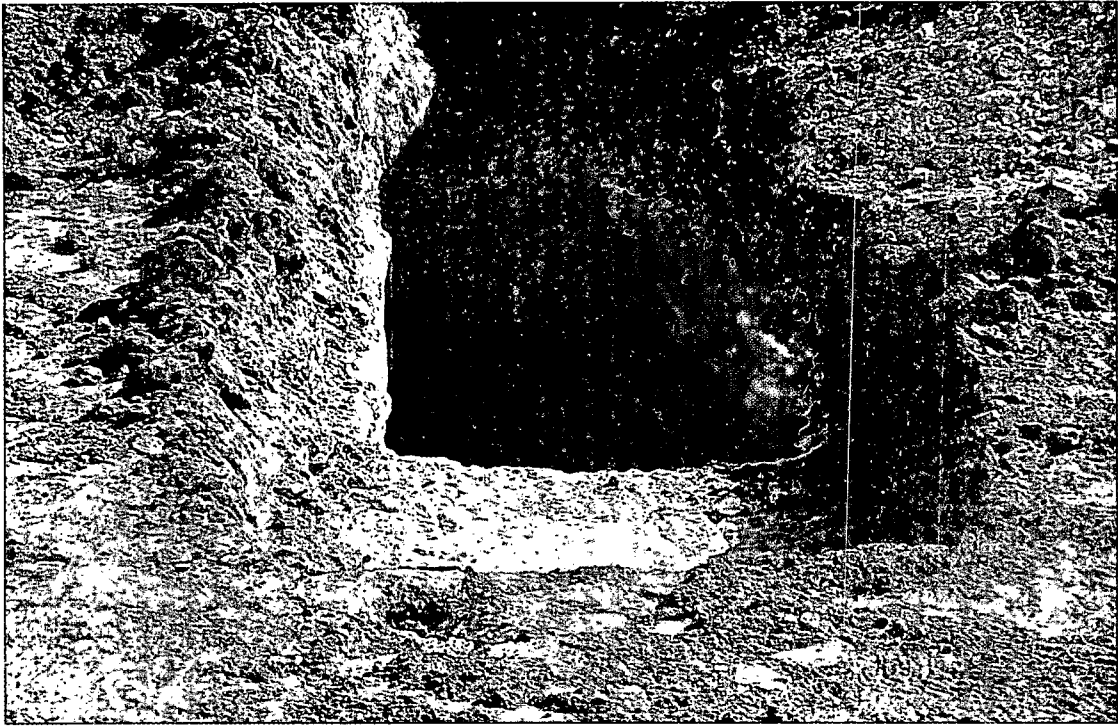
Poker Lake Unit #108 - Release Site



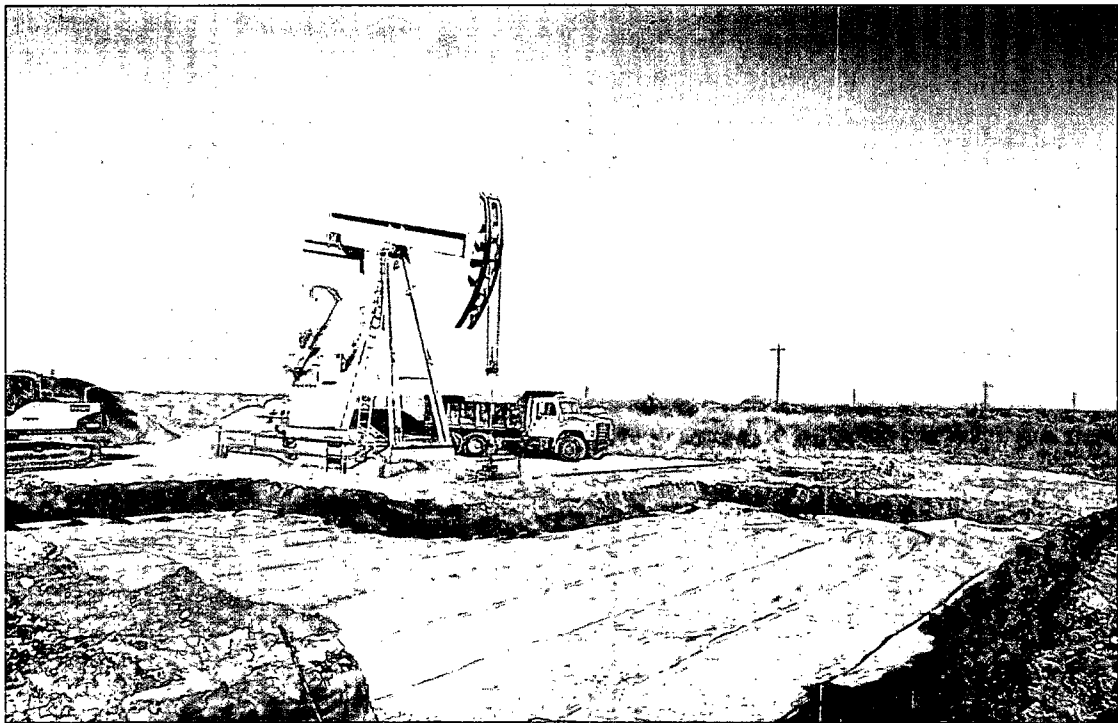
Poker Lake Unit #108 - Excavation



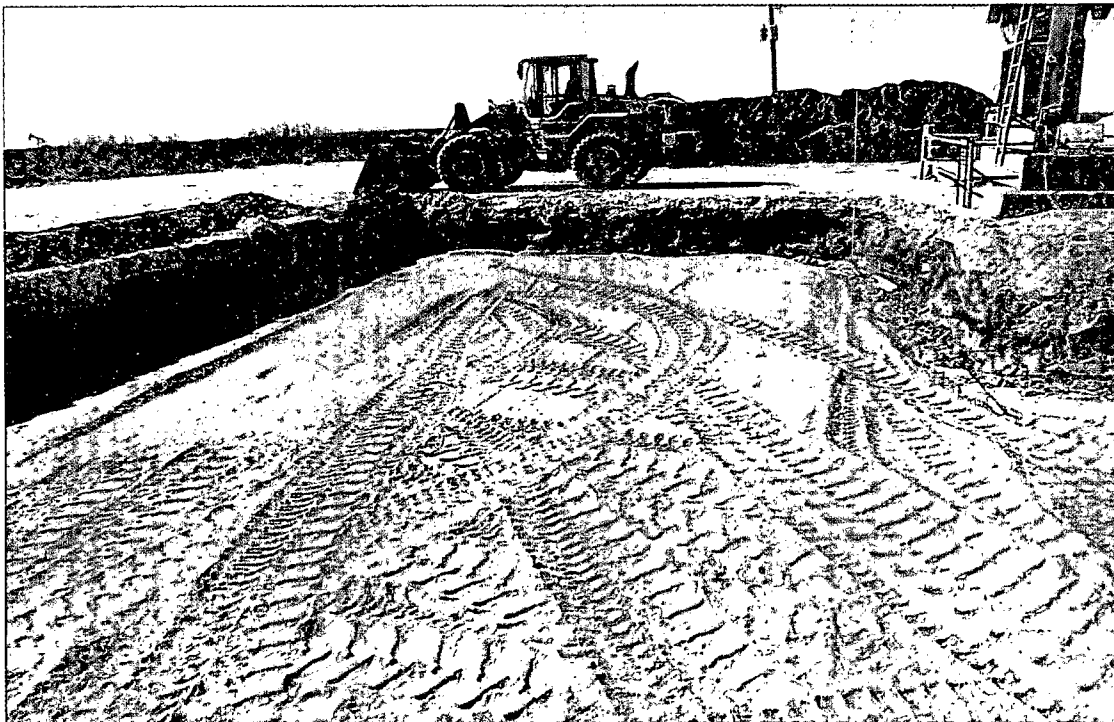
Poker Lake Unit #108 - Excavation



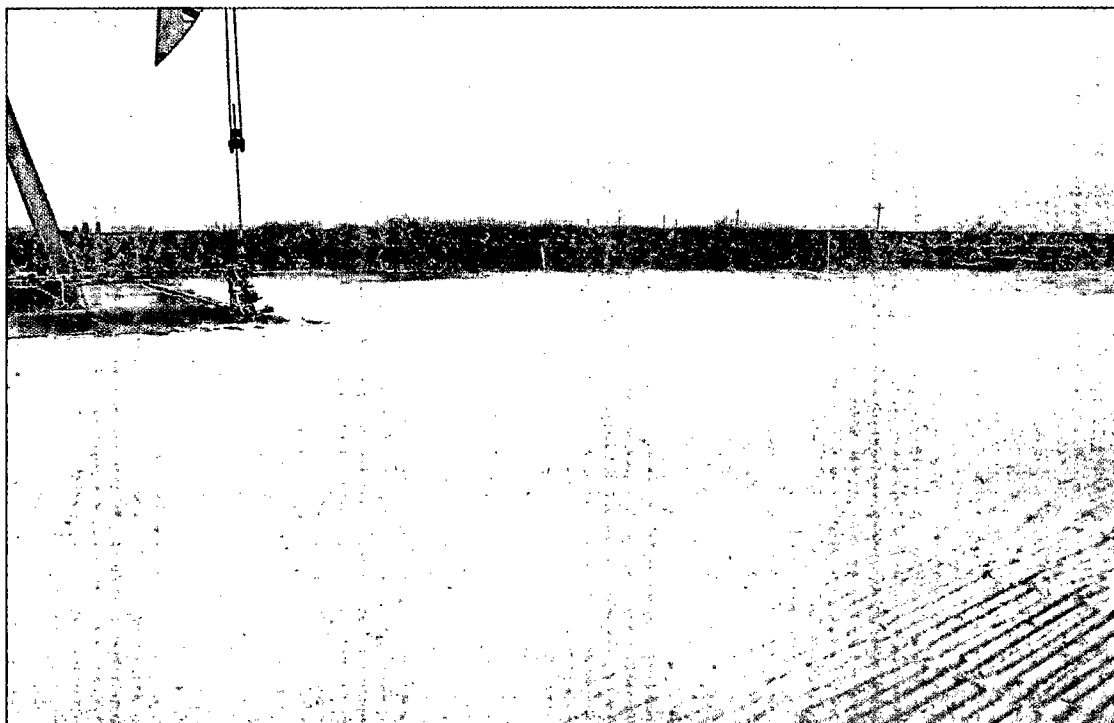
Poker Lake Unit #108 - Delineation Trench ("Floor")



Poker Lake Unit #108 - Liner Installation



Poker Lake Unit #108 - Excavation (Following Installation of Liner & Pad Sand)



Poker Lake Unit #108 - Excavation (Following Backfill)

Appendix C

Laboratory Analytical Reports

November 10, 2011

BEN J. ARGUJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: POKER LAKE UNIT 108

Enclosed are the results of analyses for samples received by the laboratory on 11/03/11 16:36.

Cardinal Laboratories is accredited through Texas NELAP for:

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

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

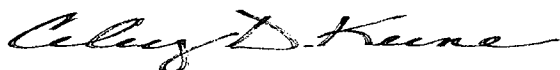
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	11/03/2011	Sampling Date:	11/03/2011
Reported:	11/10/2011	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 108	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY, NM		

Sample ID: FLOOR 6' (H102386-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	11/07/2011	ND	448	112	400	0.00	
TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/08/2011	ND	185	92.5	200	1.55	
DRO >C10-C28	<10.0	10.0	11/08/2011	ND	218	109	200	0.781	
EXT DRO >C28-C35	<10.0	10.0	11/08/2011	ND					
Surrogate: 1-Chlorooctane	73.2 %	55.5-154							
Surrogate: 1-Chlorooctadecane	85.6 %	57.6-158							

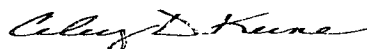
Sample ID: FLOOR 10' (H102386-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	11/07/2011	ND	448	112	400	0.00	
TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/08/2011	ND	185	92.5	200	1.55	
DRO >C10-C28	13.2	10.0	11/08/2011	ND	218	109	200	0.781	
EXT DRO >C28-C35	<10.0	10.0	11/08/2011	ND					
Surrogate: 1-Chlorooctane	64.6 %	55.5-154							
Surrogate: 1-Chlorooctadecane	70.9 %	57.6-158							

Cardinal Laboratories

*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	11/03/2011	Sampling Date:	11/03/2011
Reported:	11/10/2011	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 108	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY, NM		

Sample ID: FLOOR 14' (H102386-03)

Chloride, SM4500CI-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	11/07/2011	ND	448	112	400	0.00	

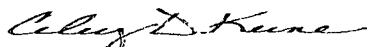
TPH 8015M			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/08/2011	ND	185	92.5	200	1.55	
DRO >C10-C28	<10.0	10.0	11/08/2011	ND	218	109	200	0.781	
EXT DRO >C28-C35	<10.0	10.0	11/08/2011	ND					

Surrogate: 1-Chlorooctane	71.2 %	55.5-154
Surrogate: 1-Chlorooctadecane	98.5 %	57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	11/03/2011	Sampling Date:	11/03/2011
Reported:	11/10/2011	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 108	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY, NM		

Sample ID: FLOOR 18' (H102386-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/07/2011	ND	1.85	92.5	2.00	4.41	
Toluene*	<0.050	0.050	11/07/2011	ND	1.75	87.7	2.00	4.31	
Ethylbenzene*	<0.050	0.050	11/07/2011	ND	2.02	101	2.00	3.76	
Total Xylenes*	<0.150	0.150	11/07/2011	ND	5.76	95.9	6.00	3.33	

Surrogate: 4-Bromofluorobenzene (PIL) 96.4 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	11/07/2011	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/08/2011	ND	185	92.5	200	1.55	
DRO >C10-C28	13.0	10.0	11/08/2011	ND	218	109	200	0.781	
EXT DRO >C28-C35	<10.0	10.0	11/08/2011	ND					

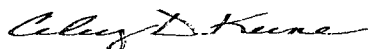
Surrogate: 1-Chlorooctane 74.2 % 55.5-154

Surrogate: 1-Chlorooctadecane 86.7 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	11/03/2011	Sampling Date:	11/03/2011
Reported:	11/10/2011	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 108	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY, NM		

Sample ID: SOUTH WALL 4' (H102386-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	11/07/2011	ND	448	112	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	11/09/2011	ND	174	86.9	200	1.91		
DRO >C10-C28	<10.0	10.0	11/09/2011	ND	193	96.4	200	2.10		
EXT DRO >C28-C35	<10.0	10.0	11/09/2011	ND						
<hr/>										
Surrogate: 1-Chlorooctane	103 %	55.5-154								
Surrogate: 1-Chlorooctadecane	110 %	57.6-158								

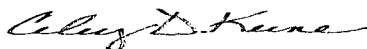
Sample ID: NORTH WALL 4' (H102386-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	11/07/2011	ND	448	112	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	11/09/2011	ND	174	86.9	200	1.91		
DRO >C10-C28	<10.0	10.0	11/09/2011	ND	193	96.4	200	2.10		
EXT DRO >C28-C35	<10.0	10.0	11/09/2011	ND						
<hr/>										
Surrogate: 1-Chlorooctane	103 %	55.5-154								
Surrogate: 1-Chlorooctadecane	106 %	57.6-158								

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Analytical Results For:

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

Received:	11/03/2011	Sampling Date:	11/03/2011
Reported:	11/10/2011	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 108	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY, NM		

Sample ID: WEST WALL 4' (H102386-07)

Chloride, SM4500CI-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	11/07/2011	ND	448	112	400	0.00	
TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/09/2011	ND	174	86.9	200	1.91	
DRO >C10-C28	<10.0	10.0	11/09/2011	ND	193	96.4	200	2.10	
EXT DRO >C28-C35	<10.0	10.0	11/09/2011	ND					
<hr/>									
Surrogate: 1-Chlorooctane	99.6 %	55.5-154							
Surrogate: 1-Chlorooctadecane	102 %	57.6-158							

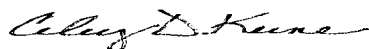
Sample ID: EAST WALL 4' (H102386-08)

Chloride, SM4500CI-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/07/2011	ND	448	112	400	0.00	
TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/10/2011	ND	174	86.9	200	1.91	
DRO >C10-C28	<10.0	10.0	11/10/2011	ND	193	96.4	200	2.10	
EXT DRO >C28-C35	<10.0	10.0	11/10/2011	ND					
<hr/>									
Surrogate: 1-Chlorooctane	111 %	55.5-154							
Surrogate: 1-Chlorooctadecane	113 %	57.6-158							

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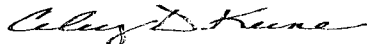
Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Basin Environment Services Technology LLC</u>				BILL TO				ANALYSIS REQUEST																								
Project Manager: <u>BEN J ARGUJO</u>				P.O. #:																												
Address: <u>P.O. Box 301</u>				Company: <u>BOPCO LP</u>																												
City: <u>Lawingston</u> State: <u>NM</u> Zip: <u>88260</u>				Attn: <u>Tony Squoip</u>																												
Phone #: <u>575-396-2378</u> Fax #: <u>575-396-1429</u>				Address: <u>5722 W. Mermod</u>																												
Project #: _____ Project Owner: <u>BOPCO LP</u>				City: <u>Carlsbad</u>																												
Project Name: <u>Poker Lake Unit 108</u>				State: <u>NM</u> Zip: <u>88220</u>																												
Project Location: <u>EDDY NM</u>				Phone #: <u>432-556-8730</u>																												
Sampler Name: <u>Jody Walters</u>				Fax #:																												
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME																		
<u>H102386</u>																																
1	Floor 6'	G	1			X				X			11-3-11	12:30	X	X																
2	Floor 10'	G	1			X				X			11-3-11	1:00	X	X																
3	Floor 14'	G	1			X				X			11-3-11	1:30	X	X																
4	Floor 18'	G	1			X				X			11-3-11	2:00	X	X	X															
5	South Wall 4'	G	1			X				X			11-3-11	2:15	X	X																
6	North Wall 4'	G	1			X				X			11-3-11	2:20	X	X																
7	West Wall 4'	G	1			X				X			11-3-11	2:25	X	X																
8	EAST Wall 4'	G	1			X				X			11-3-11	2:30	X	X																

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Relinquished By: <u>[Signature]</u>	Date: <u>11/3/11</u>	Received By: <u>Jodi Benson</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: _____
Relinquished By: _____	Date: <u>4:36</u>	Received By: _____	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #: _____
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____			REMARKS:	
Sample Condition Cool / Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			CHECKED BY: <u>[Signature]</u>	