Basin Environmental Service Technologies, LLC

3100 Plains Highway P. O. Box 301 Lovington, New Mexico 88260 jwlowry@basinenv.com Office: (575) 396-2378 Fax: (575) 396-1429

Û **Effective Solutions**

REMEDIATION SUMMARY

AND SITE CLOSURE REQUEST

BOPCO, LP

POKER LAKE UNIT #222 FLOWLINE Eddy County, New Mexico Unit Letter "K" (NE/SW), Section 19, Township 24 South, Range 30 East Latitude 32.200305° North, Longitude 103.922450° 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

May 2012

Joel W. Lowry

Project Manager

NMOCO

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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 #222 Flowline (PLU #222). The legal description of the release site is Unit Letter "K" (NE/SW), Section 19, Township 24 South, Range 30 East, in Eddy County, New Mexico. The geographic coordinates of the release site are 32.200305° North latitude and 103.922450° 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 Figure 2 for a "Site & Sample Location Map".

On December 13, 2011, BOPCO discovered a release had occurred on the PLU #222 Flowline. The release was attributed to the failure of a two and three eighths inch (2 3/8") flowline caused by external corrosion. The release was reported to the New Mexico Oil Conservation Division (NMOCD) Artesia District Office on December 15, 2011. The "Release Notification and Corrective Action" (Form C-141) indicated approximately ten (10) barrels of crude oil was released, with approximately five (5) barrels of crude oil being recovered. During initial response activities, a vacuum truck was utilized to recover free-standing fluids, and the visibly stained surface was excavated and stockpiled on-site atop an impermeable liner pending final disposition. The release affected approximately one thousand square feet (1,000 ft²) of caliche pad and a lease road. A Form C-141 is provided as Appendix A. General Photographs of the release site are 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 30 East. A depth to groundwater reference map utilized by the NMOCD indicates groundwater should be encountered at approximately two hundred twenty-five feet (225') below ground surface (bgs). Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

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

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

NMOCD guidelines indicate the PLU #222 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 April 25, 2012, 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 pending final disposition.

On April 27, 2012, five (5) soil samples (North Wall, South Wall, East Wall, West Wall and Floor) 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 ranged from less than the laboratory method detection limit (MDL) for soil samples East Wall and West Wall to 410 mg/Kg for soil sample North Wall. Chloride concentrations ranged from 400 mg/Kg for soil sample South Wall to 864 mg/Kg for soil sample North Wall. Each of the soil samples exhibited TPH and chloride concentrations below NMOCD regulatory standards. Soil samples North Wall and Floor were also analyzed for constituent concentrations of BTEX, which were determined to be both less than the appropriate laboratory MDL and less than NMOCD regulatory standards.

Between April 30 and May 7, 2012, approximately nine hundred cubic yards (900 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 twenty (20') to thirty feet (30') in width, seventy-five feet (75') in length and five (5') to six and a half feet (6 1/2') in depth. Upon receiving laboratory analytical data from confirmation soil samples, the excavated area was backfilled with locally purchased, non-impacted material, and compacted in twelve inch (12") lifts. Following the backfilling of the excavation, areas affected by the remediation activities were 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 PLU #222 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 laboratory analytical results, Basin recommends BOPCO provide the NMOCD Artesia District Office and the BLM a copy of this *Remediation Summary and Site Closure Request* and request the NMOCD grant site closure to the PLU #222 release site.

6.0 LIMITATIONS

Basin Environmental Service Technologies, LLC, has prepared this *Remediation Summary and 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 1

Site Location Map

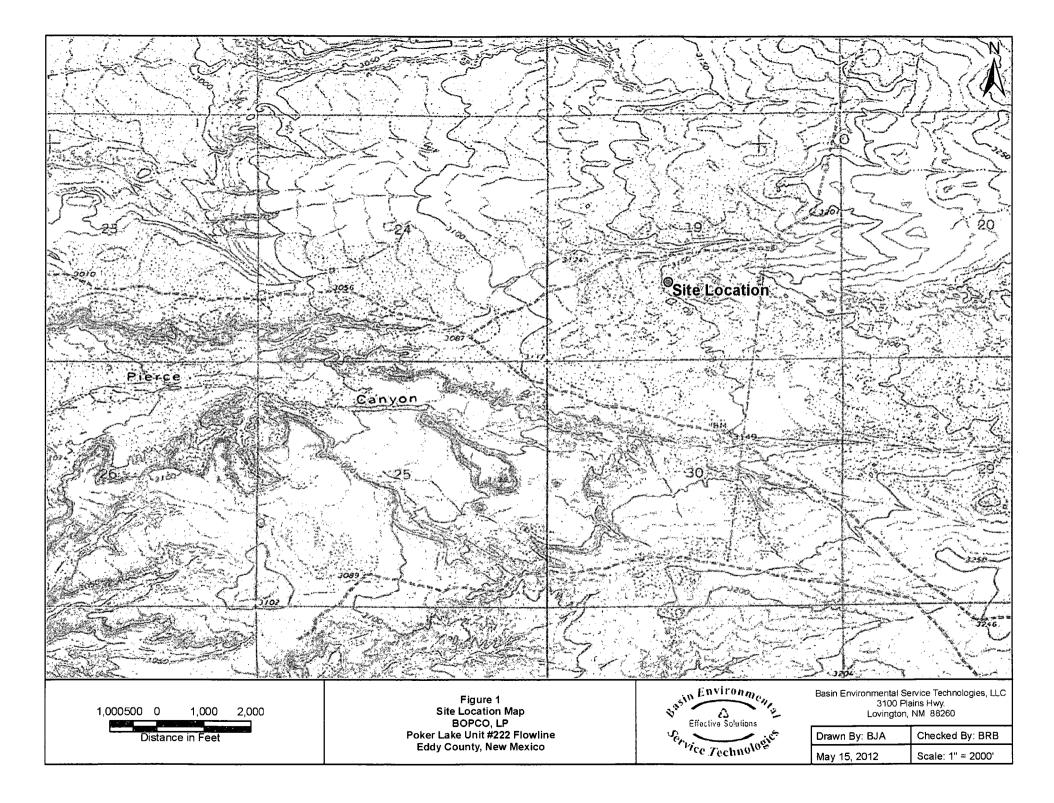
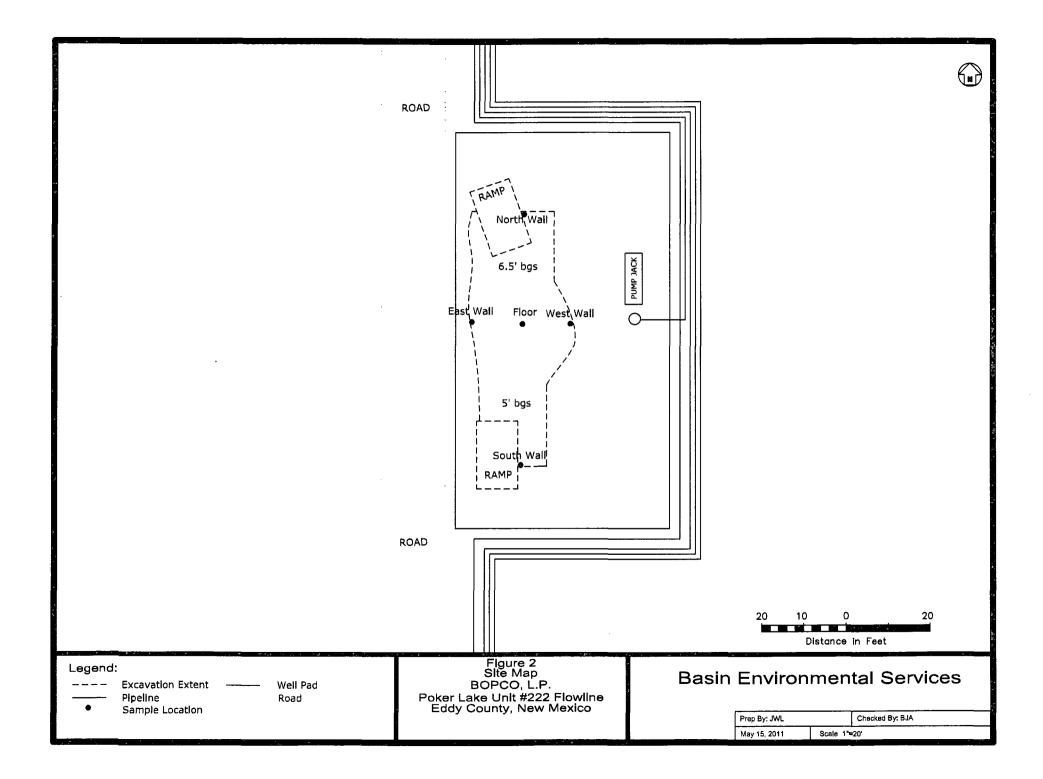


Figure 2

Site & Sample Location Map



TABLES

Table 1

Concentrations of Benzene, BTEX, TPH & Chloride in Soil

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

BOPCO, LP POKER LAKE UNIT #222 FLOWLINE EDDY COUNTY, NEW MEXICO NMOCD REFERENCE NO: 2RP-XXXX

				METHOD: EPA SW 846-8021B, 5030				METHOD: 8015M			TOTAL	E 300	
SAMPLE LOCATION	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 (mg/Kg)	TPH C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (mg/Kg)
North Wall	5'	4/27/2012	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	343	66.5	410	864
South Wall	4'	4/27/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	14.6	14.6	400
East Wall	5'	4/27/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	640
West Wall	5'	4/27/2012	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	512
Floor	6.5'	4/27/2012	In-Situ	<0.050	<0.050	< 0.050	<0.150	<0.150	<10.0	193	41.2	234	512
California Hand State						An all and a second		The state of the state					
NMOCD Standard				10				50				5,000	1,000

- = Not analyzed.

APPENDICES

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Appendix A

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Release Notification and Corrective Action

(Form C-141)

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

State of New Mexico Energy Minerals and Natural Resources

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

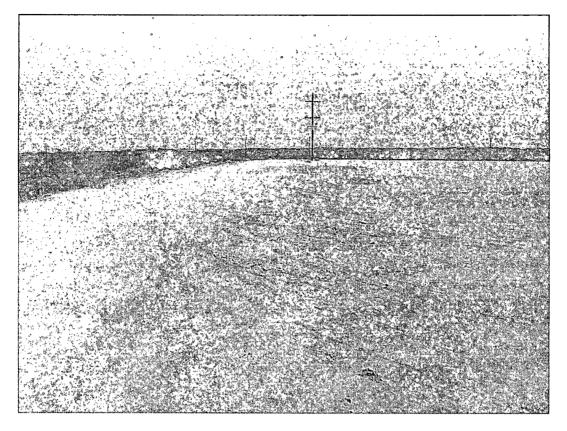
Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

			Rele	ease Notific	atio			ction				
						OPERA'			🛛 Initi	al Report 🗌 Fir	al Repoi	
Name of Co			14 Coulst	ad, N.M. 88220		Contact Tony Savoie Telephone No. 432-556-8730						
		Lake Unit #2				Facility Typ		50				
			22 On W		l							
Surface Ow	ner Federa	<u>1</u>		Mineral O	wner	Federal			Lease 1	No.		
				LOCA	TIO	N OF REI	LEASE					
Unit Letter K	Section 19	Township 24S	Range 30E	Feet from the	North	n/South Line Feet from the East/W			West Line	County Eddy		
;	•	.	I	atitude_N 32.20		Longitu		150		· · · · · · · · · · · · · · · · · · ·		
Type of Rele	ase: Crude	oil					Release: 10 bbls	of	Volume	Recovered: 5 Bbls	******	
Source of Re			~			12/13/11 t	lour of Occurrenc	e		Hour of Discovery 12:37 p.m.		
Was Immedi	ate Notice (Yes [] No 🛛 Not Re	quired	If YES, To	Whom?					
By Whom? 1			······			Date and Hour						
Was a Watercourse Reached?					If YES, Vo	olume Impacting	the Wate	······	SCENED	Ĩ		
If a Watercourse was Impacted, Describe Fully.*												
						÷.,				OCD ARTESIA		
Describe Car clamp was p			dial Actio	n Taken.* A 2 3/8	" flow	developed a l	eak due to externa	al corros	tion, the lir	ne was excavated and a	repair	
Describe Are was picked u plan will be	a Affected p with a va submitted in	and Cleanup A cuum truck and accordance y	d the satu with the N	rated soil was scra MOCD recommen	iped up ided gi	and stockpile	d on the well pad	I. The ar	ea will be	ease road. The free stand delineated and a remedi	ation	
I hereby cert regulations a public health should their or the enviro	ify that the II operators or the envi operations f nment. In a	information g are required t ronment. The ave failed to	iven above o report a acceptan adequately OCD accep	e is true and compl nd/or file certain re cc of a C-141 repo / investigate and re	lete to elease ort by tl emedia	the best of my notifications a he NMOCD m ite contaminat	nd perform correct narked as "Final R ion that pose a three the operator of	ctive act leport" c reat to g respons	ions for re locs not re round wate ibility for c	suant to NMOCD rules leases which may endar lieve the operator of lial er, surface water, human compliance with any oth	ger bility health	
			_				OIL CON	SERV	ATION	DIVISION		
Signature: 1 One Daneen Printed Name: Tony Savoie						Approved by	District Supervis	sor:				
Title: Waste	Mgmt.& Re	emediation Sp	ecialist			Approval Da	te:		Expiration	Date:		
					Conditions of Approval: Attact			Attached				
Date: 12/15/ Attach Addi		ets If Necess	arv	Phone:432-556-8	3730				a landidi ol 110 ka olda sha aka sha		<u> </u>	

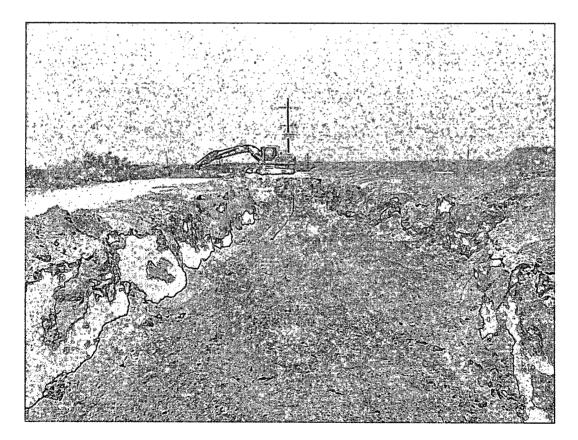
1025 N. French DF., Hobbs, NM 88240 Energy Minerals District II Oil Conse 1301 W. Grand Avenue, Artesia, NM 88210 Oil Conse District III 01200 Struct 1000 Rio Brazos Road, Aztec, NM 87410 1220 Sou District IV 1220 Sou 1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa I Release Notificatio Name of Company BOPCO, LP Address 522 W. Mermod, Suite 704 Carlsbad, NM 88220 Facility Name Poker Lake Unit #222 on Well Pad #219	th St. Francis Dr. Fe, NM 87505 NMOCD on and Corrective Action OPERATOR Contact Tony Savoie Telephone No. (432) 556-8730 Facility Type E & P	O 2012 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form					
Surface Owner Federal Mineral Owner	: Federal	Lease No.					
	DN OF RELEASE h/South Line Feet from the East/	West Line County Eddy					
Latitude N. 32.200305	Longitude <u>W 103.922450</u>						
NATURI	E OF RELEASE						
Type of Release crude oil	Volume of Release: 10 bbls of crude oil.	Volume Recovered: 5 bbls					
Source of Release: Flow Line	Date and Hour of Occurrence 12/13/11 time unknown	Date and Hour of Discovery 12/13/11 12:37 p.m.					
Was Immediate Notice Given? Yes No X Not Required	If YES, To Whom?						
By Whom? Tony Savoie	Date and Hour:						
Was a Watercourse Reached?	If YES, Volume Impacting the War	rercourse.					
If a Watercourse was Impacted, Describe Fully.*							
Describe Cause of Problem and Remedial Action Taken.* A 2 3/8" flow clamp was placed on the leak.	v developed a leak due to external corre	sion, the line was excavated and a repair					
Describe Area Affected and Cleanup Action Taken.* Approximately 10 the attached Remediation Summary and Site Closure Request, dated Ma confirmation soil samples.							
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases, which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.							
Signature: Jon Danin	OIL CONSERN Approved by District Supervisor:	ATION DIVISION					
Printed Name: Tony Savoie							
Title: Waste Mgmt. & Remediation Specialist	Approval Date:	Expiration Date:					
E-mail Address: tasavoie@basspet.com	Conditions of Approval:	Attached					
Date: 8/30/12 Phone: (432) 556-8730							

Appendix B Photographs

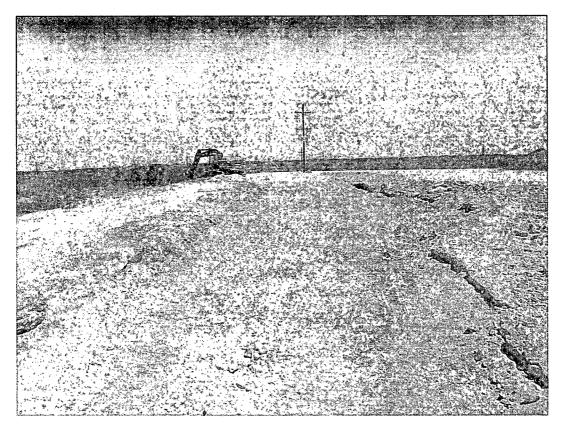
b



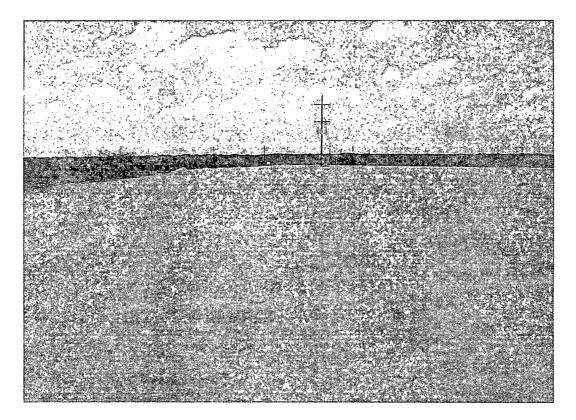
Impacted Area at the PLU #222 Flowline Release Site (Looking North)



Remediation Activities at the PLU #222 Flowline Release Site (Looking North)



Backfilling Activities at the PLU #222 Flowline Release Site (Looking North)



Repaired Well Pad at the PLU #222 Flowline Release Site (Looking North)

Appendix C

Laboratory Analytical Reports



May 09, 2012

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

RE: POKER LAKE UNIT 222 FLOWLINE

Enclosed are the results of analyses for samples received by the laboratory on 04/30/12 8:25.

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.

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.

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,

Celling Di Keine

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:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/09/2012	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 222 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SOUTH WALL 4' (H200977-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	05/01/2012	ND	416	104	400	0.00	
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	05/02/2012	ND	188	93.9	200	4.08	
DRO >C10-C28	<10.0	10.0	05/02/2012	ND	212	106	200	3.86	
EXT DRO >C28-C35	14.6	10.0	05/02/2012	ND					
Surrogate: 1-Chlorooctane	138	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	141	% 57.6-15	8						

Sample ID: EAST WALL 5' (H200977-02)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	05/01/2012	ND	416	104	400	0.00	
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	05/02/2012	ND	188	93.9	200	4.08	
DRO >C10-C28	<10.0	10.0	05/02/2012	ND	212	106	200	3.86	
EXT DRO >C28-C35	<10.0	10.0	05/02/2012	ND					
Surrogate: 1-Chlorooctane	145 9	% 55.5-15	4		_				
Surrogate: 1-Chlorooctadecane	147 9	% 57.6-15	8						

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 bort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whiteboerer shall be deemed wared 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 horeander by Cardinal, regardless of whether such climits based by the successors arising out of or related to the performance of the services horeander by Cardinal, regardless of whether such climits based by fully and the services.

Celezit Keene

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:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/09/2012	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 222 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: WEST WALL 5' (H200977-03)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	05/01/2012	ND	416	104	400	0.00	
ТРН 8015М	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	05/02/2012	ND	188	93.9	200	4.08	
DRO >C10-C28	<10.0	10.0	05/02/2012	ND	212	106	200	3.86	
EXT DRO >C28-C35	<10.0	10.0	05/02/2012	ND					
Surrogate: 1-Chlorooctane	139	% 55.5-15	4			<u> </u>			
Surrogate: 1-Chlorooctadecane	141	% 57.6-15	8						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Lidulity and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or bort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whoteover shall be intend to the amount paid by client for analyses. All claims, including those for negligence and any other cause whoteover shall be deemed waived unless made in withing 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 profils 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 claims is haved 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 above atories.

Celez Di Keene

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:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/09/2012	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 222 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: FLOOR 6.5' (H200977-04)

BTEX 8021B	mg/l	kg	Analyze	d By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2012	ND	1.87	93.7	2.00	6.62		
Toluene*	<0.050	0.050	05/08/2012	ND	1.97	98.5	2.00	6.61		
Ethylbenzene*	<0.050	0.050	05/08/2012	ND	1.95	97.6	2.00	6.70		
Total Xylenes*	<0.150	0.150	05/08/2012	ND	6.02	100	6.00	6.43		
Surrogate: 4-Bromofluorobenzene (PID	109 %	664.4-13	4							
Chloride, SM4500Cl-B	mg/l	kg	Analyze	d By: HM						
Analyte	lyte Result Reporting Limit Analyzed Me		Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	512	16.0	05/01/2012	ND	416	104	400	0.00		
TPH 8015M	mg/l	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	05/02/2012	ND	188	93.9	200	4.08		
DRO >C10-C28	193 10.0 05/02/2012		ND	212	106	200	3.86			
EXT DRO >C28-C35	41.2	10.0	05/02/2012	ND						
Surrogate: 1-Chlorooctane	144 %	6 55.5-15	4							
Surrogate: 1-Chlorooctadecane	155 %	6 57.6-15	8							

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Celez D. Keene

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:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/09/2012	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 222 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: NORTH WALL 5' (H200977-05)

BTEX 8021B	mg/l	cg	Analyze	d By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2012	ND	1.87	93.7	2.00	6.62		
Toluene*	<0.050	0.050	05/08/2012	ND	1.97	98.5	2.00	6.61		
Ethylbenzene*	<0.050	0.050	05/08/2012	ND	1.95	97.6	2.00	6.70		
Total Xylenes*	<0.150	0.150	05/08/2012	ND	6.02	100	6.00	6.43		
Surrogate: 4-Bromofluorobenzene (PID	110 %	64.4-13	4							
Chloride, SM4500Cl-B	mg/l	cg	Analyze	d By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	05/01/2012	ND	416	104	400	0.00		
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	05/02/2012	ND	188	93.9	200	4.08		
DRO >C10-C28	C10-C28 343 10.0		05/02/2012	ND	212	106	200	3.86		
EXT DRO >C28-C35	66.5	10.0	05/02/2012	ND						
Surrogate: 1-Chlorooctane	141 %	6 55.5-15	4							
Surrogate: 1-Chlorooctadecane	1439	6 57.6-15	8							

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Celeg E. Kerre

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

 ND
 Analyte NOT DETECTED at or above the reporting limit

 RPD
 Relative Percent Difference

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

 Insufficient time to reach temperature.

 Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celego Keene

Celey D. Keene, Lab Director/Quality Manager

Page 6 of 7



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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Company Name: Basin Environmental Service Technologies, LLC			BILL TO							A	NALY	SIS	REC	QUES	T					
Project Manager: Ben J. Arguijo			P.O. #:									T			T	T				
Address: P.O. Box 301				Company: BOPCO, LP												ļ				
City: Lovingto	on State: NM	Zip	: 81	3260	Att	n: Tony	Savoie													
Phone #: (575)	Phone #: (575)396-2378 Fax #:(575)396-1429				Address: 522 w. Mertod					5										
Project#:	Project Owner	; BC)PCC), LP	Cit	y: Carleb	ađ			•	11							- 1		
Project Name:	Poker Lake Unit 222 FI	<u>ە ر</u>	lin	e	Sta	ite: NM	Zip: 88220)		•	ST.									
	EDDY NM.				Ph	one #: (43	2)556-87	30	Į	•	Added SI4112									
1	Jody Walters				-	c #:				< .	3									
FOR LABUSE ONLY	1	<u>,</u> .		MATRIX	_	PRESERV	SAMPLI	NG	5		Æ									
Lab I.D. H280977	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER :	ACID/BASE: ICE / COOL OTHER :	DATE	TIME	Chlorides	8015M	BIEX*									
1	South wall 4'	G	L	X		X	4.27-12	1:00	X	X										
2	and the design of the second	G		X		X	y.27.12		X	X										
3	WEST Wall 5'	<u>6</u>		X		<u>x</u>	4:27.12		X	X	5.7									
<u> </u>	Floor 10 12	G		<u> </u>		x	4.27-12		X	X	X									
5	North well 5'	G	1	<u> </u>		Ý	4.27.12	1:40	X	X										
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Sampler'-UPS - Bus - Other:	4 C No No UN	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-24/6