

Basin Environmental Service Technologies, LLC

3100 Plains Highway
P. O. Box 301
Lovington, New Mexico 88260

bjarguijo@basinenv.com

Office: (575) 396-2378

Fax: (575) 396-1429



REMEDIATION SUMMARY & SITE CLOSURE REQUEST

**BOPCO, LP
POKER LAKE UNIT 152 Pumping Well
Eddy County, New Mexico
UNIT LTR "H" (SE/NE), Section 6, Township 24 South, Range 30 East
Latitude 32.248470° North, Longitude 103.914220° 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 & Site Closure Request* for the release site known as Poker Lake Unit 152 Pumping Well. The legal description of the release site is Unit Letter "H" (SE/NE), Section 6, Township 24 South, Range 30 East, in Eddy County, New Mexico. The geographic coordinates of the release site are 32.248470° North latitude and 103.914220° 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 15, 2011, BOPCO discovered a release had occurred at the Poker Lake Unit 152 Pumping Well. The stuffing box rubbers on the wellhead 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 August 22, 2011. The "Release Notification and Corrective Action" (Form C-141) indicated approximately ten barrels (10 bbls) of produced water and five barrels (5 bbls) of crude oil was released, with no recovery. During initial response activities, the stuffing box rubbers were replaced, and heavily saturated soil was excavated and stockpiled on-site, pending final disposition.

The release was confined to the caliche pad surrounding the Poker Lake Unit 152 Pumping Well and affected an area measuring approximately three thousand square feet (3,000 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 6, 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 feet (200') 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 152 Pumping Well 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 August 15, 2011, excavation of impacted soil commenced at the site. Hach Quantab chloride titrators were used to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. From August 16 through August 30, 2011, excavated soil was stockpiled on-site, pending final disposition.

From September 9 through September 12, 2011, approximately six hundred and forty cubic yards (640 yd³) of impacted soil was transported to Lea Land, Inc. (NMOCD Permit # WM-01-035) for disposal.

On September 12, 2011, thirteen (13) soil samples (Sample 1 through Sample 13) were collected from the floor and sidewalls of the excavation and 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, BTEX, and TPH concentrations were less than the appropriate laboratory method detection limit (MDL) in all soil samples submitted. Chloride concentrations ranged from less than the laboratory MDL in soil sample Sample 9 to 624 mg/Kg in soil sample Sample 12. Review of laboratory analytical results indicated benzene, BTEX, TPH, and chloride concentrations were less than NMOCD regulatory standards in all soil samples submitted.

On September 14, 2011, one (1) five-point composite soil sample (Stockpile) was collected from the stockpiled material on-site. The soil sample was submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results indicated the TPH concentration in soil sample Stockpile was 49.8 mg/Kg, and the chloride concentration was 544 mg/Kg. Soil represented by soil sample Stockpile was deemed suitable for use as backfill material.

On September 13 and September 14, 2011, the stockpiled material was blended on-site with approximately six hundred and forty cubic yards (640 yd³) of non-impacted soil purchased from Lea Land, Inc., for use as backfill material.

Based on laboratory analytical results and field-screens, from September 19 through September 23, 2011, the excavation was backfilled in eighteen inch (18") lifts, compacted, and contoured to fit the surrounding topography. Final dimensions of the excavation were approximately one hundred and thirty-four feet (134') in length, approximately seventy-four feet (74') in width, and ranging in depth from approximately six inches (6") to three feet (3') bgs.

Following backfilling activities, the access road into the site was repaired with non-impacted material purchased from Lea Land, Inc.

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 152 Pumping Well excavation were analyzed by an NMOCD-approved laboratory, and concentrations of benzene, BTEX, TPH, and chloride were less than the remediation 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 & Site Closure Request* and request the NMOCD grant site closure to the Poker Lake Unit 152 Pumping Well release site.

6.0 LIMITATIONS

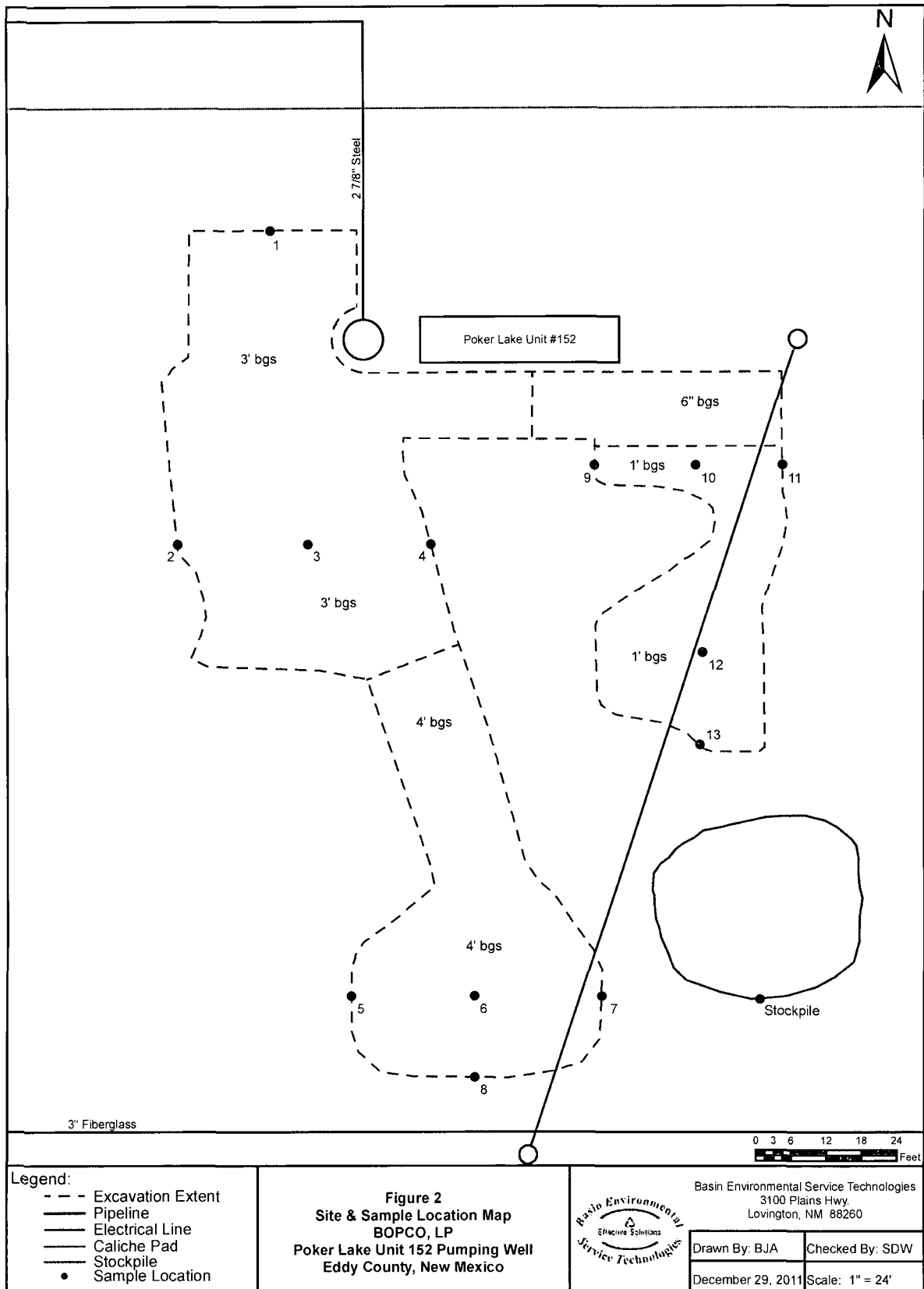
Basin Environmental Service Technologies, LLC, has prepared this *Remediation Summary & Site Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Basin has examined and relied upon documents referenced in the report and on oral statements made by 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, 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



Tables

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

BOPCO, LP
POKER LAKE UNIT 152 PUMPING WELL
EDDY COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M			TOTAL TPH	E 300
				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)	C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (mg/Kg)
Sample 1	2'	9/12/2011	In-situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	176
Sample 2	2'	9/12/2011	In-situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	176
Sample 3	3'	9/12/2011	In-situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	512
Sample 4	2'	9/12/2011	In-situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	290
Sample 5	3'	9/12/2011	In-situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	160
Sample 6	4'	9/12/2011	In-situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	496
Sample 7	3'	9/12/2011	In-situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	210
Sample 8	3'	9/12/2011	In-situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	128
Sample 9	1'	9/12/2011	In-situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
Sample 10	1'	9/12/2011	In-situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	16.0
Sample 11	1'	9/12/2011	In-situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	560
Sample 12	1'	9/12/2011	In-situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	<10.0	<10.0	<10.0	624
Sample 13	1'	9/12/2011	In-situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	16.0
Stockpile	N/A	9/14/2011	Excavated	-	-	-	-	-	<10.0	49.8	<10.0	49.8	544
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

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 152 Pumping Well	Facility Type E&P

Surface Owner Federal	Mineral Owner Federal	Lease No.
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LOCATION OF RELEASE

Unit Letter H	Section 6	Township 24S	Range 30E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
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Latitude N 32.248470 Longitude W 103.914220

NATURE OF RELEASE

Type of Release: Produced water and crude oil	Volume of Release: 10 Bbls of Produced water and 5 Bbls of crude oil.	Volume Recovered: 0
Source of Release: 1" pipe connection on the well head.	Date and Hour of Occurrence 8/15/11 time unknown	Date and Hour of Discovery 8/15/11 10:30 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.*	RECEIVED AUG 22 2011 NMOCD ARTESIA
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Describe Cause of Problem and Remedial Action Taken.* The stuffing box rubbers on the wellhead failed, the rubbers were replaced.

Describe Area Affected and Cleanup Action Taken.* The released fluid affected an area of approximately 3000 sq. ft on the caliche well pad, the saturated soil was scrapped up and placed on plastic on the well pad location. The area was sampled for vertical extent on 8/16/11. A remediation plan with the sample results will be submitted to the NMOCD following the recommended guidelines for the remediation of leaks and spills.

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

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@BassPet.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 8/22/11	Phone: 432-556-8730		

* Attach Additional Sheets If Necessary

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

Initial Report ☒ Final Report

Name of Company	BOPCO, LP	Contact	Tony Savoie
Address	522 W. Mermod, Suite 704, Carlsbad, NM 88220	Telephone No.	(432)556-8730
Facility Name	Poker Lake Unit 152 Pumping Well	Facility Type	E&P
Surface Owner	Federal	Mineral Owner	Federal
		Lease No.	

LOCATION OF RELEASE

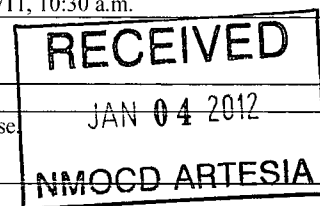
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	6	24S	30E					Eddy

Latitude 32.248470° North

Longitude 103.914220° West

NATURE OF RELEASE

Type of Release	Produced water and crude oil	Volume of Release	10 bbls of produced water and 5 bbls of crude oil	Volume Recovered	0
Source of Release	1" pipe connection on the wellhead	Date and Hour of Occurrence	8/15/11, time unknown	Date and Hour of Discovery	8/15/11, 10:30 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.*

Describe Cause of Problem and Remedial Action Taken.* The stuffing box rubbers on the wellhead failed. The rubbers were replaced.

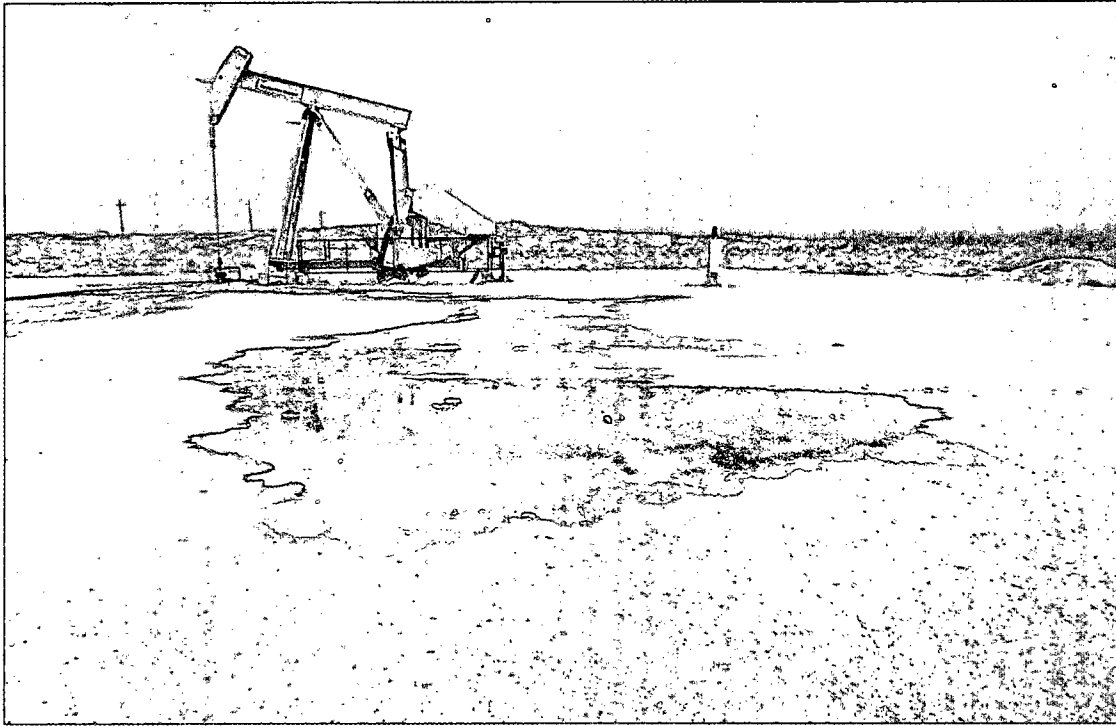
Describe Area Affected and Cleanup Action Taken.* The release affected an area of approximately 3,000 sq. ft. on the caliche well pad. Following initial response activities, the release was remediated in accordance with NMOCD and BLM guidelines. Please reference the attached *Remediation Summary & Site Closure Request* 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.

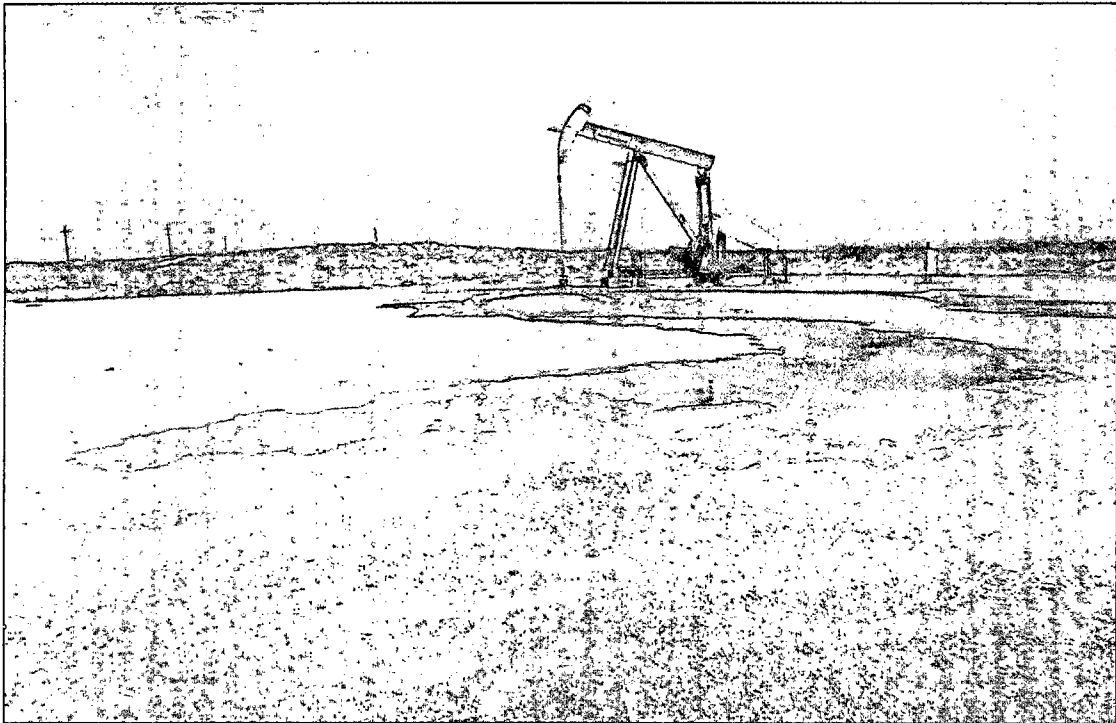
Signature:	OIL CONSERVATION DIVISION		
Printed Name: Tony Savoie	Approved by District Supervisor:		
Title: Waste Mgmt. & Remediation Specialist	Approval Date:	Expiration Date:	
E-mail Address: TASavoie@BassPet.com	Conditions of Approval:		
Date: 12/29/2011	Phone: (432)556-8730		

Appendix B

Photographs



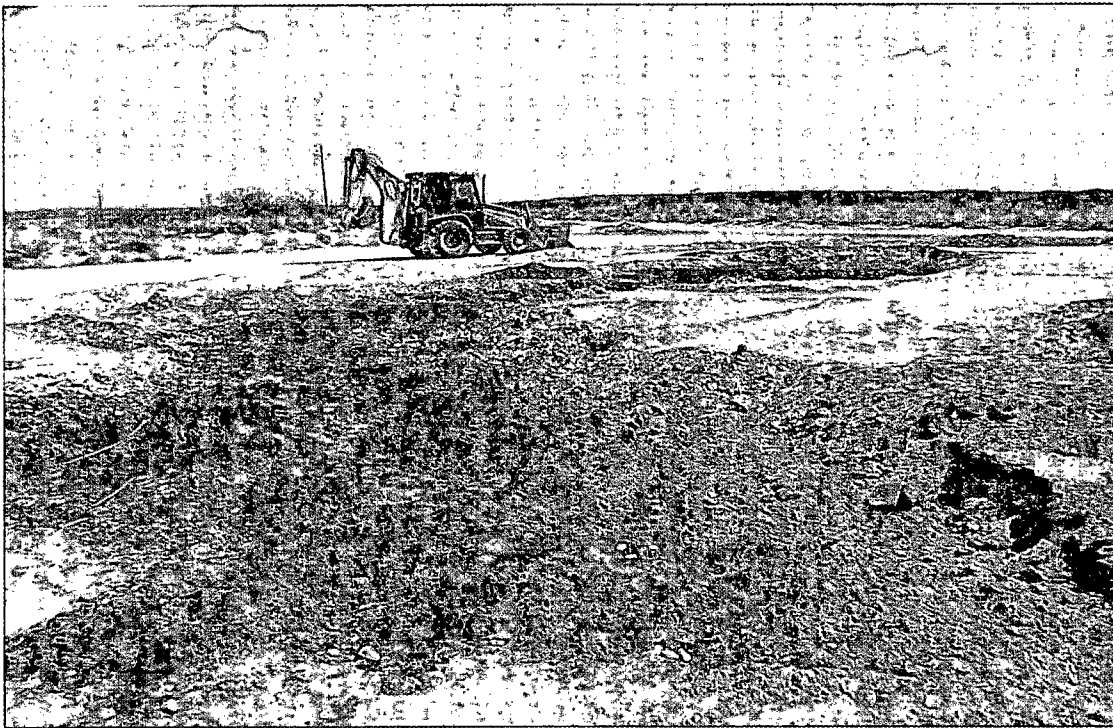
Poker Lake Unit 152 Pumping Well - Release Site



Poker Lake Unit 152 Pumping Well - Release Site



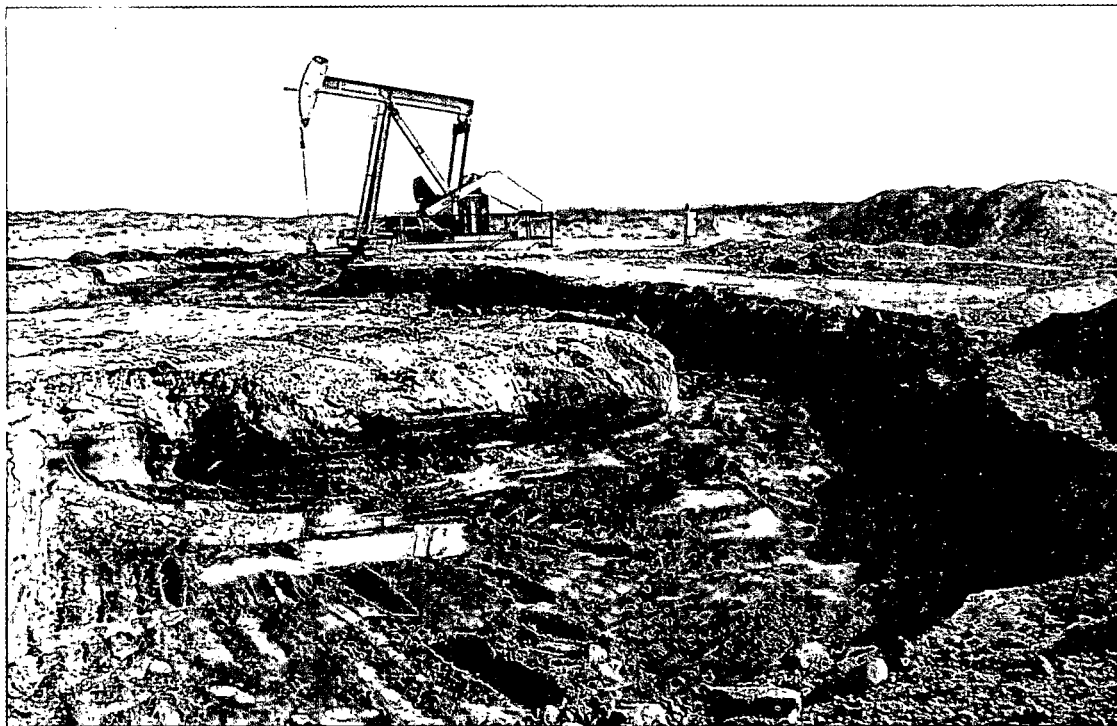
Poker Lake Unit 152 Pumping Well - Excavation (Looking South)



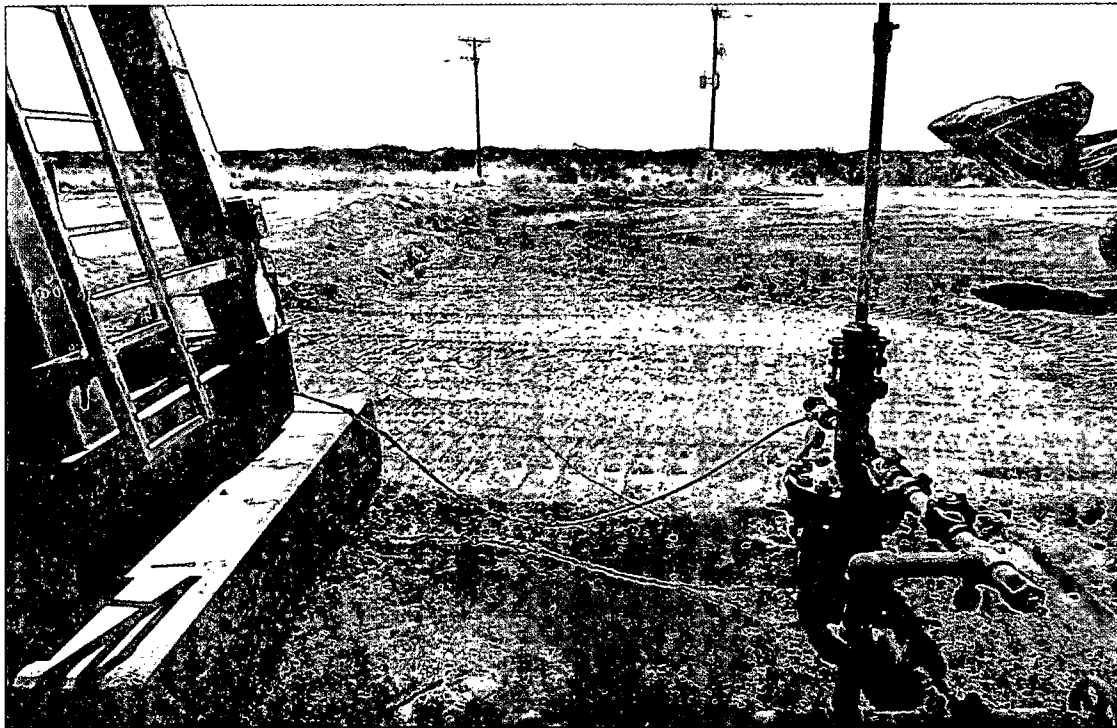
Poker Lake Unit 152 Pumping Well - Excavation



Poker Lake Unit 152 Pumping Well - Excavation (Looking South)



Poker Lake Unit 152 Pumping Well - Excavation (Looking Northeast)



Poker Lake Unit 152 Pumping Well - Excavation (During Backfill, Looking South)



Poker Lake Unit 152 Pumping Well - Excavation (Following Backfill)

Appendix C

Laboratory Analytical Reports



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

September 19, 2011

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: POKER LAKE UNIT 152

Enclosed are the results of analyses for samples received by the laboratory on 09/12/11 15:50.

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:	09/12/2011	Sampling Date:	09/12/2011
Reported:	09/19/2011	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 152	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY CO, NM		

Sample ID: SAMPLE 1 (H101935-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	09/12/2011	ND	432	108	400	0.00		
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	09/16/2011	ND	182	90.8	200	0.533		
DRO >C10-C28	<10.0	10.0	09/16/2011	ND	183	91.7	200	1.13		
EXT DRO >C28-C35	<10.0	10.0	09/16/2011	ND						
<hr/>										
Surrogate: 1-Chlorooctane	136 %	55.5-154								
Surrogate: 1-Chlorooctadecane	129 %	57.6-158								

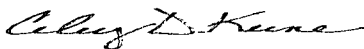
Sample ID: SAMPLE 2 (H101935-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	09/12/2011	ND	432	108	400	0.00		
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	09/16/2011	ND	182	90.8	200	0.533		
DRO >C10-C28	<10.0	10.0	09/16/2011	ND	183	91.7	200	1.13		
EXT DRO >C28-C35	<10.0	10.0	09/16/2011	ND						
<hr/>										
Surrogate: 1-Chlorooctane	133 %	55.5-154								
Surrogate: 1-Chlorooctadecane	127 %	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:	09/12/2011	Sampling Date:	09/12/2011
Reported:	09/19/2011	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 152	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY CO, NM		

Sample ID: SAMPLE 3 (H101935-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	09/12/2011	ND	432	108	400	0.00	
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	09/16/2011	ND	182	90.8	200	0.533	
DRO >C10-C28	<10.0	10.0	09/16/2011	ND	183	91.7	200	1.13	
EXT DRO >C28-C35	<10.0	10.0	09/16/2011	ND					
<hr/>									
Surrogate: 1-Chlorooctane	112 %	55.5-154							
Surrogate: 1-Chlorooctadecane	108 %	57.6-158							

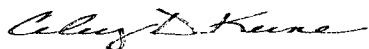
Sample ID: SAMPLE 4 (H101935-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	290	16.0	09/12/2011	ND	432	108	400	0.00	
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	09/16/2011	ND	182	90.8	200	0.533	
DRO >C10-C28	<10.0	10.0	09/16/2011	ND	183	91.7	200	1.13	
EXT DRO >C28-C35	<10.0	10.0	09/16/2011	ND					
<hr/>									
Surrogate: 1-Chlorooctane	121 %	55.5-154							
Surrogate: 1-Chlorooctadecane	114 %	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:	09/12/2011	Sampling Date:	09/12/2011
Reported:	09/19/2011	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 152	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY CO, NM		

Sample ID: SAMPLE 5 (H101935-05)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/12/2011	ND	432	108	400	0.00	
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	09/16/2011	ND	182	90.8	200	0.533	
DRO >C10-C28	<10.0	10.0	09/16/2011	ND	183	91.7	200	1.13	
EXT DRO >C28-C35	<10.0	10.0	09/16/2011	ND					
<hr/>									
Surrogate: 1-Chlorooctane	110 %	55.5-154							
Surrogate: 1-Chlorooctadecane	104 %	57.6-158							

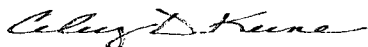
Sample ID: SAMPLE 6 (H101935-06)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	09/12/2011	ND	432	108	400	0.00	
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	09/16/2011	ND	182	90.8	200	0.533	
DRO >C10-C28	<10.0	10.0	09/16/2011	ND	183	91.7	200	1.13	
EXT DRO >C28-C35	<10.0	10.0	09/16/2011	ND					
<hr/>									
Surrogate: 1-Chlorooctane	125 %	55.5-154							
Surrogate: 1-Chlorooctadecane	119 %	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:	09/12/2011	Sampling Date:	09/12/2011
Reported:	09/19/2011	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 152	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY CO, NM		

Sample ID: SAMPLE 7 (H101935-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	210	16.0	09/12/2011	ND	432	108	400	0.00	
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	09/16/2011	ND	182	90.8	200	0.533	
DRO >C10-C28	<10.0	10.0	09/16/2011	ND	183	91.7	200	1.13	
EXT DRO >C28-C35	<10.0	10.0	09/16/2011	ND					
<hr/>									
Surrogate: 1-Chlorooctane	113 %	55.5-154							
Surrogate: 1-Chlorooctadecane	110 %	57.6-158							

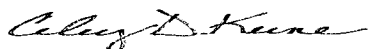
Sample ID: SAMPLE 8 (H101935-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/12/2011	ND	432	108	400	0.00	
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	09/16/2011	ND	182	90.8	200	0.533	
DRO >C10-C28	<10.0	10.0	09/16/2011	ND	183	91.7	200	1.13	
EXT DRO >C28-C35	<10.0	10.0	09/16/2011	ND					
<hr/>									
Surrogate: 1-Chlorooctane	112 %	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:	09/12/2011	Sampling Date:	09/12/2011
Reported:	09/19/2011	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 152	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY CO, NM		

Sample ID: SAMPLE 9 (H101935-09)

Chloride, SM4500Cl-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	09/12/2011	ND	432	108	400	0.00	
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	09/16/2011	ND	182	90.8	200	0.533	
DRO >C10-C28	<10.0	10.0	09/16/2011	ND	183	91.7	200	1.13	
EXT DRO >C28-C35	<10.0	10.0	09/16/2011	ND					
<hr/>									
Surrogate: 1-Chlorooctane	112 %	55.5-154							
Surrogate: 1-Chlorooctadecane	107 %	57.6-158							

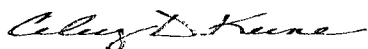
Sample ID: SAMPLE 10 (H101935-10)

Chloride, SM4500Cl-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	09/12/2011	ND	432	108	400	0.00	
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	09/16/2011	ND	182	90.8	200	0.533	
DRO >C10-C28	<10.0	10.0	09/16/2011	ND	183	91.7	200	1.13	
EXT DRO >C28-C35	<10.0	10.0	09/16/2011	ND					
<hr/>									
Surrogate: 1-Chlorooctane	111 %	55.5-154							
Surrogate: 1-Chlorooctadecane	107 %	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:	09/12/2011	Sampling Date:	09/12/2011
Reported:	09/19/2011	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 152	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY CO, NM		

Sample ID: SAMPLE 11 (H101935-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	09/13/2011	ND	432	108	400	3.64	
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	09/16/2011	ND	182	90.8	200	0.533	
DRO >C10-C28	<10.0	10.0	09/16/2011	ND	183	91.7	200	1.13	
EXT DRO >C28-C35	<10.0	10.0	09/16/2011	ND					
<hr/>									
Surrogate: 1-Chlorooctane	127 %	55.5-154							
Surrogate: 1-Chlorooctadecane	124 %	57.6-158							

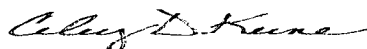
Sample ID: SAMPLE 12 (H101935-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	09/13/2011	ND	432	108	400	3.64	
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	09/16/2011	ND	182	90.8	200	0.533	
DRO >C10-C28	<10.0	10.0	09/16/2011	ND	183	91.7	200	1.13	
EXT DRO >C28-C35	<10.0	10.0	09/16/2011	ND					
<hr/>									
Surrogate: 1-Chlorooctane	118 %	55.5-154							
Surrogate: 1-Chlorooctadecane	124 %	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:	09/12/2011	Sampling Date:	09/12/2011
Reported:	09/19/2011	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 152	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY CO, NM		

Sample ID: SAMPLE 13 (H101935-13)

Chloride, SM4500Cl-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	09/13/2011	ND	432	108	400	3.64	
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	09/16/2011	ND	182	90.8	200	0.533	
DRO >C10-C28	<10.0	10.0	09/16/2011	ND	183	91.7	200	1.13	
EXT DRO >C28-C35	<10.0	10.0	09/16/2011	ND					

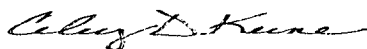
Surrogate: 1-Chlorooctane 131 % 55.5-154

Surrogate: 1-Chlorooctadecane 128 % 57.6-158

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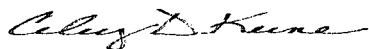
Notes and Definitions

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: Basin Environmental Service Technologies, LLC				BILL TO				ANALYSIS REQUEST																																																																																																																																																																																																																		
Project Manager: Ben J. Arquiño				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BOD/5M</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chlorides</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Hold for BTEX</div> </div>																																																																																																																																																																																																																		
Address: P.O. Box 301				Company: BOPCO, LP																																																																																																																																																																																																																						
City: Lovington		State: NM Zip: 88260		Attn: Tony Savoie																																																																																																																																																																																																																						
Phone #: (575) 396-2378		Fax #: (575) 396-1429		Address: 522 W. Mermod																																																																																																																																																																																																																						
Project #:		Project Owner: BOPCO, LP		City: Carlsbad																																																																																																																																																																																																																						
Project Name: <u>Poker Lake Unit 152</u>				State: NM Zip: 88220																																																																																																																																																																																																																						
Project Location: <u>EDDY NM</u>				Phone #: (432) 556-8730																																																																																																																																																																																																																						
Sampler Name: <u>Jody Walters</u>				Fax #:																																																																																																																																																																																																																						
<table border="1"> <thead> <tr> <th colspan="2">FOR LAB USE ONLY</th> <th rowspan="2">Lab I.D.</th> <th rowspan="2">Sample I.D.</th> <th rowspan="2">GRAB OR (C)OMP.</th> <th rowspan="2"># CONTAINERS</th> <th colspan="6">MATRIX</th> <th colspan="2">PRESERV.</th> <th colspan="2">SAMPLING</th> </tr> <tr> <th>GROUNDWATER</th> <th>WASTEWATER</th> <th>SOIL</th> <th>OIL</th> <th>SLUDGE</th> <th>OTHER</th> <th>ACID/BASE</th> <th>ICE / COOL</th> <th>OTHER</th> <th>DATE</th> <th>TIME</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>H101935</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td></td> <td>Sample 1</td> <td>G</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>9-12-11</td> <td>9:00</td> </tr> <tr> <td>2</td> <td></td> <td>2</td> <td>G</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>9-12-11</td> <td>9:05</td> </tr> <tr> <td>3</td> <td></td> <td>3</td> <td>G</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>9-12-11</td> <td>9:10</td> </tr> <tr> <td>4</td> <td></td> <td>4</td> <td>G</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>9-12-11</td> <td>9:15</td> </tr> <tr> <td>5</td> <td></td> <td>5</td> <td>G</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>9-12-11</td> <td>9:20</td> </tr> <tr> <td>6</td> <td></td> <td>6</td> <td>G</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>9-12-11</td> <td>9:25</td> </tr> <tr> <td>7</td> <td></td> <td>7</td> <td>G</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>9-12-11</td> <td>9:30</td> </tr> <tr> <td>8</td> <td></td> <td>8</td> <td>G</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>9-12-11</td> <td>9:35</td> </tr> <tr> <td>9</td> <td></td> <td>9</td> <td>G</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>9-12-11</td> <td>9:45</td> </tr> <tr> <td>10</td> <td></td> <td>Sample 10</td> <td>G</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>9-12-11</td> <td>9:50</td> </tr> </tbody> </table>																FOR LAB USE ONLY		Lab I.D.	Sample I.D.	GRAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME			H101935														1		Sample 1	G	1			X				X			9-12-11	9:00	2		2	G	1			X				X			9-12-11	9:05	3		3	G	1			X				X			9-12-11	9:10	4		4	G	1			X				X			9-12-11	9:15	5		5	G	1			X				X			9-12-11	9:20	6		6	G	1			X				X			9-12-11	9:25	7		7	G	1			X				X			9-12-11	9:30	8		8	G	1			X				X			9-12-11	9:35	9		9	G	1			X				X			9-12-11	9:45	10		Sample 10	G	1			X				X			9-12-11	9:50
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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(575) 393-2326 FAX (575) 393-2476

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September 27, 2011

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: POKER LAKE UNIT 152

Enclosed are the results of analyses for samples received by the laboratory on 09/12/11 15:50.

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.

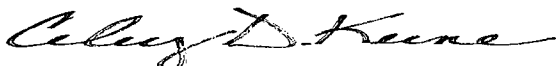
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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:	09/12/2011	Sampling Date:	09/12/2011
Reported:	09/27/2011	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 152	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY CO, NM		

Sample ID: SAMPLE 11 (H101935-11)**BTEX 8021B****mg/kg****Analyzed By: CMS**

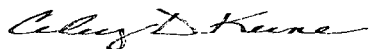
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2011	ND	2.31	116	2.00	0.947	
Toluene*	<0.050	0.050	09/22/2011	ND	2.17	109	2.00	0.462	
Ethylbenzene*	<0.050	0.050	09/22/2011	ND	2.17	109	2.00	2.77	
Total Xylenes*	<0.150	0.150	09/22/2011	ND	6.49	108	6.00	3.30	

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

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Celey D. Keene, Lab Director/Quality Manager

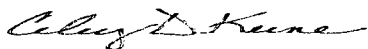
Notes and Definitions

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

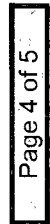
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Celey D. Keene, Lab Director/Quality Manager



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~~3-2476~~ 26



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Basin Environmental Service Technologies, LLC		BILL TO		ANALYSIS REQUEST																							
Project Manager: Ben J. Arquiño		P.O. #:																									
Address: P.O. Box 301		Company: BOPCO, LP																									
City: Lovington State: NM Zip: 88260		Attn: Tony Savoie																									
Phone #: (575) 396-2378 Fax #: (575) 396-1429		Address: 522 w. Mermod																									
Project #: Project Owner: BOPCO, LP		City: Carlsbad																									
Project Name: Poker Lake Unit 152		State: NM Zip: 88220																									
Project Location: EDDY, N.M.		Phone #: (432) 556-8730																									
Sampler Name: Jody Walters		Fax #:																									
Lab I.D.	Sample I.D.	(GIRAB OR C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING																	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
H101935																											
11	Sample 11	G	1			X				X			9-12-11	9:50	X	X	X	added 9/21/11									
12	Sample 12	G	1			X				X			9-12-11	9:55	X	X	X										
13	Sample 13	G	1			X				X			9-12-11	10:00	X	X	X										

FOR LAB USE ONLY

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Relinquished By:	Date: 9/12/11 Time: 3:50	Received By: Jodi Benson	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Add'l Fax #:
Relinquished By: _____ Date: _____ Time: _____			REMARKS: * BTEX added to # H101935-11. 9/21/11 ch
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool Intact Yes No Yes No	CHECKED BY:

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

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#26

September 20, 2011

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: POKER LAKE UNIT 152

Enclosed are the results of analyses for samples received by the laboratory on 09/16/11 14:20.

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

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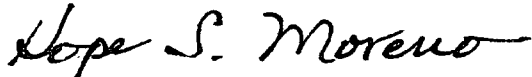
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Accreditation applies to public drinking water matrices.

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

Sincerely,



Hope Moreno

Inorganic Technical Director

Analytical Results For:

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

Received:	09/16/2011	Sampling Date:	09/14/2011
Reported:	09/20/2011	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 152	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY CO, NM		

Sample ID: STOCKPILE (H101971-01)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	09/16/2011	ND	448	112	400	0.00	
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	09/19/2011	ND	177	88.7	200	2.85	
DRO >C10-C28	49.8	10.0	09/19/2011	ND	177	88.7	200	3.47	
EXT DRO >C28-C35	<10.0	10.0	09/19/2011						
<hr/>									
Surrogate: 1-Chlorooctane	121 %	55.5-154							
Surrogate: 1-Chlorooctadecane	110 %	57.6-158							

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Hope Moreno, Inorganic Technical Director

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***	Insufficient time to reach temperature.
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Hope Moreno, Inorganic Technical Director



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