

Basin Environmental Service Technologies, LLC

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REMEDIATION SUMMARY AND RISK-BASED SITE CLOSURE REQUEST

BOPCO, LP
POKER LAKE UNIT #261/78 10" Mainline 10-29-13
Eddy County, New Mexico
Unit Letter "H" (SE/NE), Section 19, Township 24 South, Range 30 East
Latitude 32.205853° North, Longitude 103.913044° West
NMOCD Reference #2RP- 2041

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

November 2013

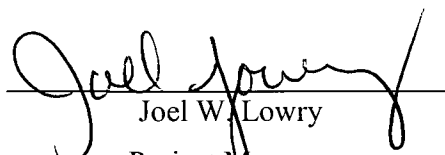

Joel W. Lowry
Project Manager

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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 #261/78 10" Mainline 10-29-13 (PLU #261/78 10"). The legal description of the release site is Unit Letter "H" (SE/NE), Section 19, Township 24 South, Range 30 East, in Eddy County, New Mexico. The geographic coordinates of the release site are 32.205853° North latitude and 103.913044 West longitude. The property affected by the release is owned by the United States Department of the Interior - Bureau of Land Management (BLM). A "Site Location Map" is provided as Figure 1.

On October 29, 2013, BOPCO discovered a release had occurred on a ten-inch (10") produced water transfer line near the PLU #236 pumping well. The failure was attributed to lose bolts on a flange. The release was reported to the New Mexico Oil Conservation Division (NMOCD) Artesia District Office on October 29, 2013. The "Release Notification and Corrective Action" (Form C-141) indicated approximately thirty barrels (30 bbls) of produced water were released with no recovery. The initial Form C-141 indicated the release affected approximately five thousand square feet (5,000 ft²) of pasture. During initial response activities, saturated soil around the spill area was excavated and stockpiled on-site, pending final disposition, and the affected flange was removed. The Form C-141 is provided as Appendix A.

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 19, 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 and 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 #261/78 10" 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 November 8, 2013, Basin began delineation activities at the release site. A delineation trench was advanced at the release point an effort to determine the vertical extent of soil impact. Delineation trench RP Trench was advanced to approximately nineteen feet (19') bgs. During the advancement of the delineation trench, four (4) soil samples (RP @ 4', RP @ 9', RP @ 14' and RP @ 19') were collected and submitted to Cardinal Laboratories, of Hobbs, New Mexico, for analysis of chloride concentrations by EPA Method 4500 Cl-B. Laboratory analytical results indicated chloride concentrations ranged from 24,800 ppm for soil sample RP @ 4' to 1,860 ppm for soil sample RP @ 19'. Soil sample RP @ 19' was also analyzed for concentrations of benzene, ethylbenzene, toluene, and xylene (BTEX) using EPA Method SW-846-8021b and total petroleum hydrocarbon (TPH) using EPA SW-846 8015M. Laboratory analytical results indicate BTEX and TPH concentrations were less than the appropriate laboratory method detection limit (MDL). A "Site and Sample Location Map" is provided as Figure 2. A table summarizing "Concentrations of Benzene, BTEX, TPH and Chloride in Soil" is provided as Table 1. Laboratory analytical reports are provided as Appendix C.

Following the advancement of the delineation trench, excavation of impacted soil commenced at the release site. The floor of the excavation was advanced to approximately five feet (5') bgs in the western portion of the release site. The sidewalls of the excavation were advanced until field tests suggested concentrations of BTEX, TPH and chloride were less than NMOCD Regulatory Standards. Excavated soil was stockpiled on-site atop an impermeable liner, pending final disposition. One (1) confirmation soil sample (WSW #1) was collected from the west sidewall of the excavation and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated the concentration of chloride was 96.0 ppm.

On November 12, 2013, three (3) confirmation soil samples (W. Floor @ 5', NSW #1 and SSW #1) were collected from the excavation and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from 672 ppm for soil sample NWS #1 to 64.0 ppm for soil sample SSW #1. Soil sample W. Floor @ 5' was also analyzed for concentrations of BTEX and TPH, which were determined to be less than the appropriate laboratory MDL. BTEX, TPH and chloride concentrations were below NMOCD Regulatory Standards in each of the submitted soil samples. The excavation was advanced to the east.

On November 15, 2013, three (3) confirmation soil samples (NSW #2 @ 6', ESW #1 @ 6' and SSW #2 @ 6') were collected from the sidewalls of the excavation and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from 208 ppm for soil sample SSW #2 @ 6' to 64.0 ppm for soil sample NSW #2 @ 6'. Chloride concentrations were below NMOCD Regulatory Standards in each of the submitted soil samples.

On November 21, 2013, upon receiving NMOCD and BLM approval, a 20-mil polyurethane liner was installed in the floor of the excavation at approximately seven feet (7') bgs in the area

defined by RP Trench. A one-foot (1') layer of non-impacted pad sand was installed both above and below the liner to maintain its integrity during installation and backfilling activities. This engineering control is designed to inhibit the vertical migration of contaminants left in-situ.

Between November 13 and 18, 2013, approximately five hundred and eighty cubic yards (580 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 forty feet (40') in width, one hundred feet (100') in length and five (5) to seven feet (7') in depth. Upon receiving NMOCD and BLM approval, the excavated area was backfilled with locally purchased, non-impacted material. Following the backfilling of the excavation, areas affected by the remediation activities were contoured to fit the surrounding topography. The site will be reseeded at a time more conducive to germination.

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

Laboratory analytical results from confirmation soil samples collected from the sidewalls of the PLU #261/78 10" excavation indicated concentrations of benzene, BTEX, TPH and chloride were less than NMOCD regulatory standards. An approved twenty-millimeter (20mm) polyurethane liner was installed in the floor of the excavation at approximately seven feet (7') bgs in the area characterized by soil samples collected from the RP Trench. This engineering control is designed to inhibit the vertical migration of contaminants left in-situ. Based on these laboratory analytical results and the installation of an approved engineering control, Basin recommends BOPCO provide the NMOCD Artesia District Office and BLM a copy of this *Remediation Summary and Risk-Based Site Closure Request* and request the NMOCD grant site closure to the PLU #261/78 10" release site.

6.0 LIMITATIONS

Basin Environmental Service Technologies, LLC, has prepared this *Remediation Summary and 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, NM 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, Suite 704
Carlsbad, NM 88220
- Copy 4: Basin Environmental Service Technologies, LLC
P.O. Box 301
Lovington, NM 88260

FIGURES

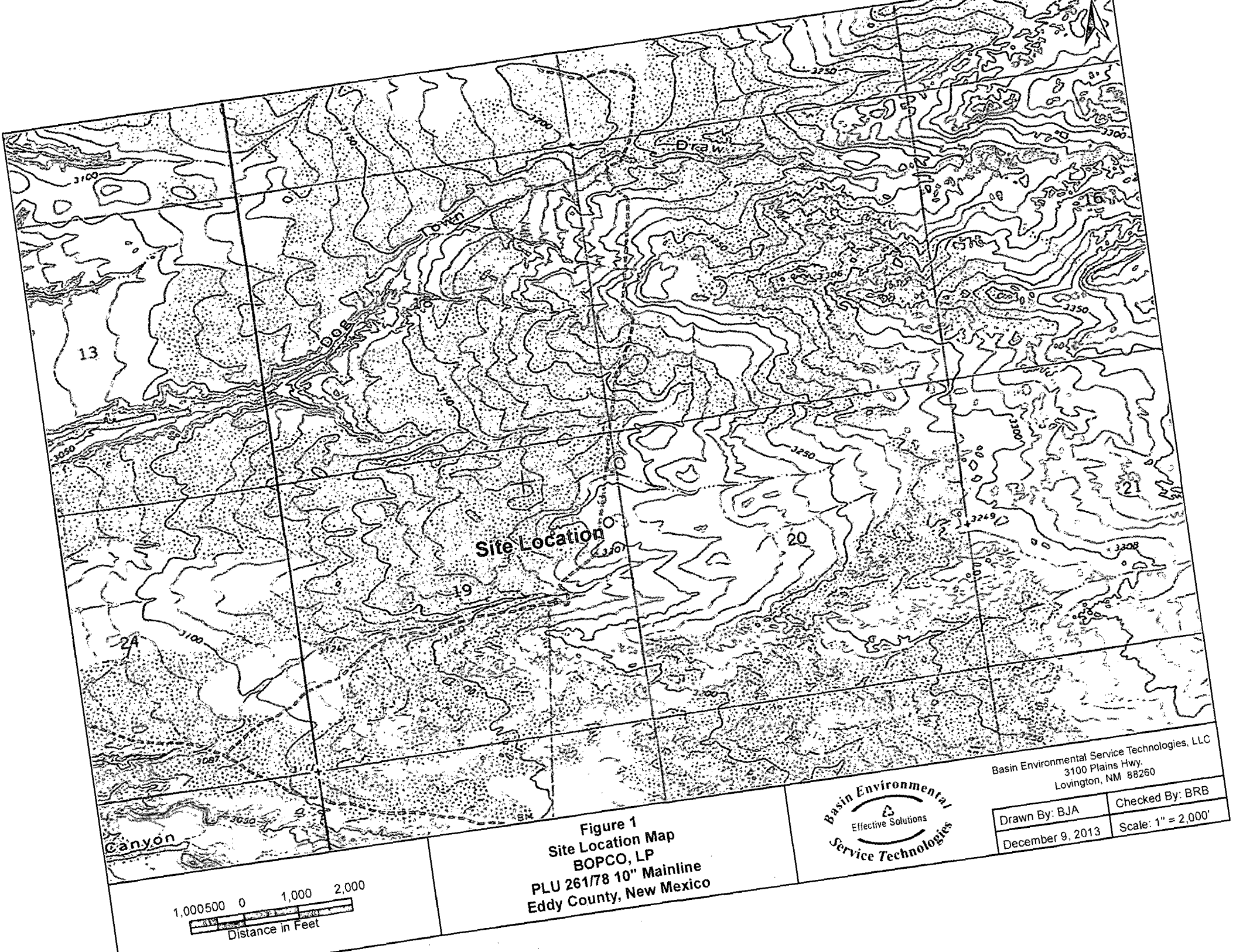


Figure 1
Site Location Map
BOPCO, LP
PLU 261/78 10" Mainline
Eddy County, New Mexico

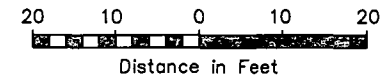
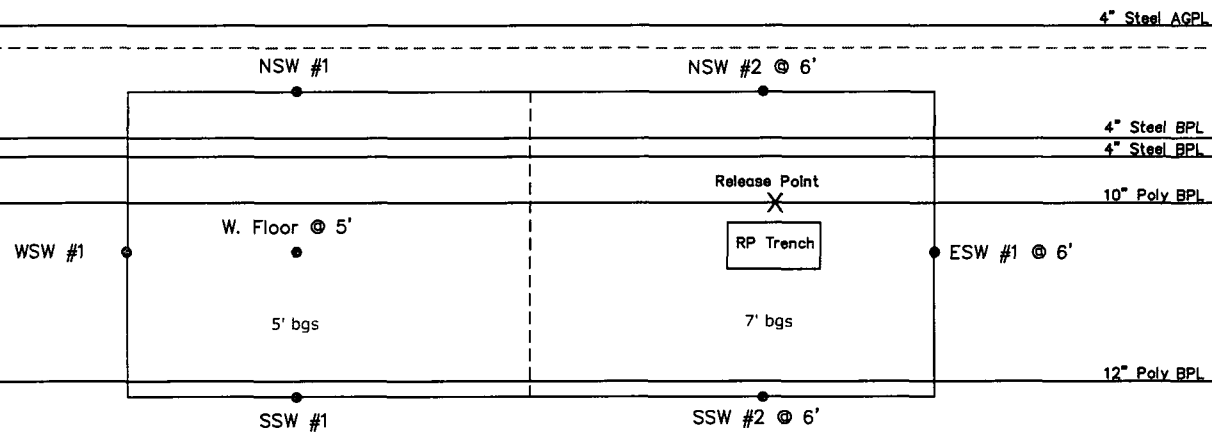


Basin Environmental Service Technologies, LLC
3100 Plains Hwy.
Lovington, NM 88260

| | |
|------------------|--------------------|
| Drawn By: BJA | Checked By: BRB |
| December 9, 2013 | Scale: 1" = 2,000' |



BOPCO WELL PAD



Legend:

- Excavation Extent
- Pipeline
- Sample Location

Figure 2
Site & Sample Location Map
BOPCO, L.P.
PLU #261/78 10" Mainline 10/29/13
Eddy County, New Mexico

Basin Environmental Services

| | |
|------------------|-----------------|
| Prep By: JWL | Checked By: BJA |
| January 11, 2013 | Scale 1"=20' |

TABLES

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDES IN SOIL

BOPCO, LP
 PLU 261/78 10" MAINLINE 10-29-13
 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) | | |
| RP @ 4' | 4' | 11/8/2013 | Excavated | - | - | - | - | - | - | - | - | - | 24,800 |
| RP @ 9' | 9' | 11/8/2013 | In-Situ | - | - | - | - | - | - | - | - | - | 12,500 |
| RP @ 14' | 14' | 11/8/2013 | In-Situ | - | - | - | - | - | - | - | - | - | 5,600 |
| RP @ 19' | 19' | 11/8/2013 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 1,860 |
| WSW #1 | 3' | 11/8/2013 | In-Situ | - | - | - | - | - | - | - | - | - | 96.0 |
| W. Floor @ 5' | 5' | 11/12/2013 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 128 |
| NSW #1 | 4' | 11/12/2013 | In-Situ | - | - | - | - | - | - | - | - | - | 672 |
| SSW #1 | 4' | 11/12/2013 | In-Situ | - | - | - | - | - | - | - | - | - | 64.0 |
| NSW #2 @ 6' | 6' | 11/15/2013 | In-Situ | - | - | - | - | - | - | - | - | - | 64.0 |
| ESW #1 @ 6' | 6' | 11/15/2013 | In-Situ | - | - | - | - | - | - | - | - | - | 176 |
| SSW #2 @ 6' | 6' | 11/15/2013 | In-Situ | - | - | - | - | - | - | - | - | - | 208 |
| NMOCD Criteria | | | | 10 | | | | 50 | | | | 5,000 | 1,000 |

- = Not analyzed.

APPENDICES

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

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
10 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

Form C-141
Revised August 8, 2011

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

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

BLM 11/1/13

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. 575-887-7329 |
| Facility Name: 10" Water transfer mainline. The spill is located 155 ft. S.W. of the PLU-236 pumping well. | Facility Type: Exploration and Production |

| | | |
|------------------------|------------------------|----------------------|
| Surface Owner: Federal | Mineral Owner: Federal | API No. 30-015-34419 |
|------------------------|------------------------|----------------------|

LOCATION OF RELEASE

| | | | | | | | | |
|------------------|---------------|-----------------|--------------|---------------|------------------|---------------|----------------|-----------------|
| Unit Letter H | Section 19 | Township 24S | Range 30E | Feet from the | North/South Line | Feet from the | East/West Line | County: Eddy |
|------------------|---------------|-----------------|--------------|---------------|------------------|---------------|----------------|-----------------|

Latitude N 32.205853 Longitude W. 103.913044

NATURE OF RELEASE

| | | |
|--|---|--|
| Type of Release: Produced water | Volume of Release: 30 bbls. | Volume Recovered: 0 bbls. |
| Source of Release: 10" Flange connection | Date and Hour of Occurrence: 10/29/13 time unknown | Date and Hour of Discovery: 10/29/13 at 2:20 p.m. |
| Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? NMOCD emergency response #104 | |
| By Whom? Jody Walters | Date and Hour: 10/29/13 at 4:16 p.m. | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse: RECEIVED | |

If a Watercourse was Impacted, Describe Fully.*

NOV 01 2013

NMOCD ARTESIA

Describe Cause of Problem and Remedial Action Taken.*

A flange on the 10" mainline developed a leak due to loose flange bolts, the bolts were re-torqued and the line was pressure tested.

Describe Area Affected and Cleanup Action Taken.*

Approximately 5,000 sq.ft. of pasture was affected by the release, all of the fluid soaked into the ground. The saturated soil around the spill area was excavated and stockpiled on-site pending disposal. The remediation will be in accordance to the NMOCD and BLM guidelines.

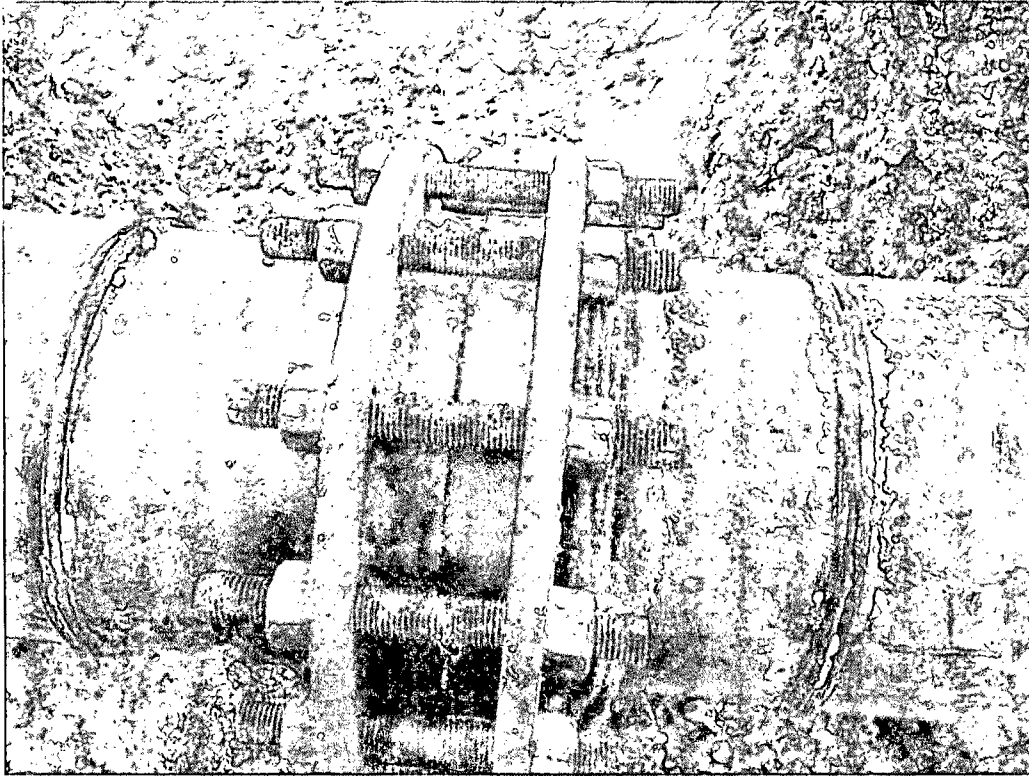
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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.

OIL CONSERVATION DIVISION

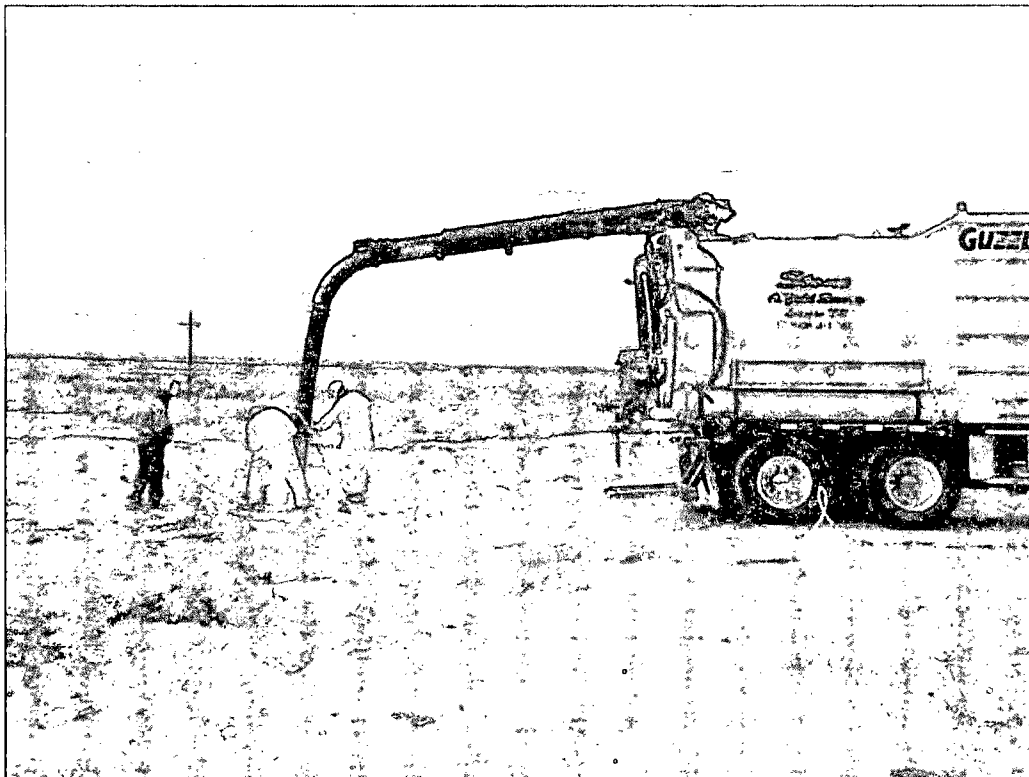
| | | | |
|--|---|--|--|
| Signature: <u>Tony Savoie</u> | Approved by Environmental Specialist: | | |
| Printed Name: Tony Savoie | Approval Date: _____ Expiration Date: _____ | | |
| Title: Waste Management and Remediation Specialist | Conditions of Approval: _____ Attached <input type="checkbox"/> | | |
| E-mail Address: <u>tasavoie@basspet.com</u> | | | |
| Date: <u>10/31/13</u> Phone: <u>432-556-8730</u> | | | |

* Attach Additional Sheets If Necessary

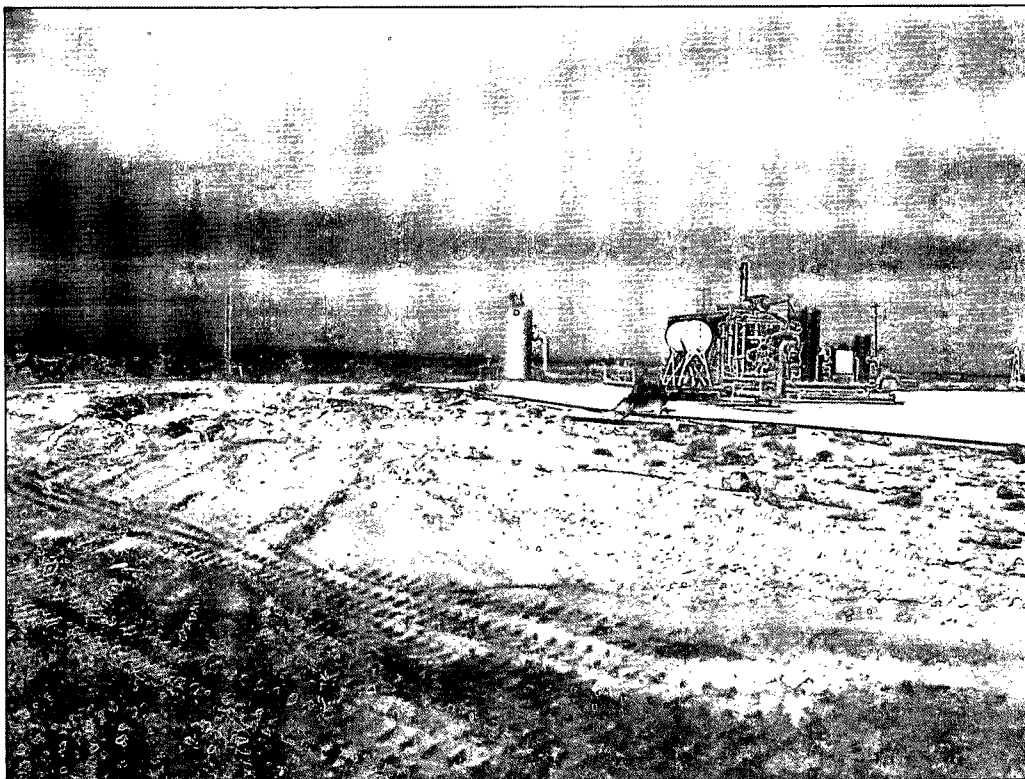
Appendix B
Photographs



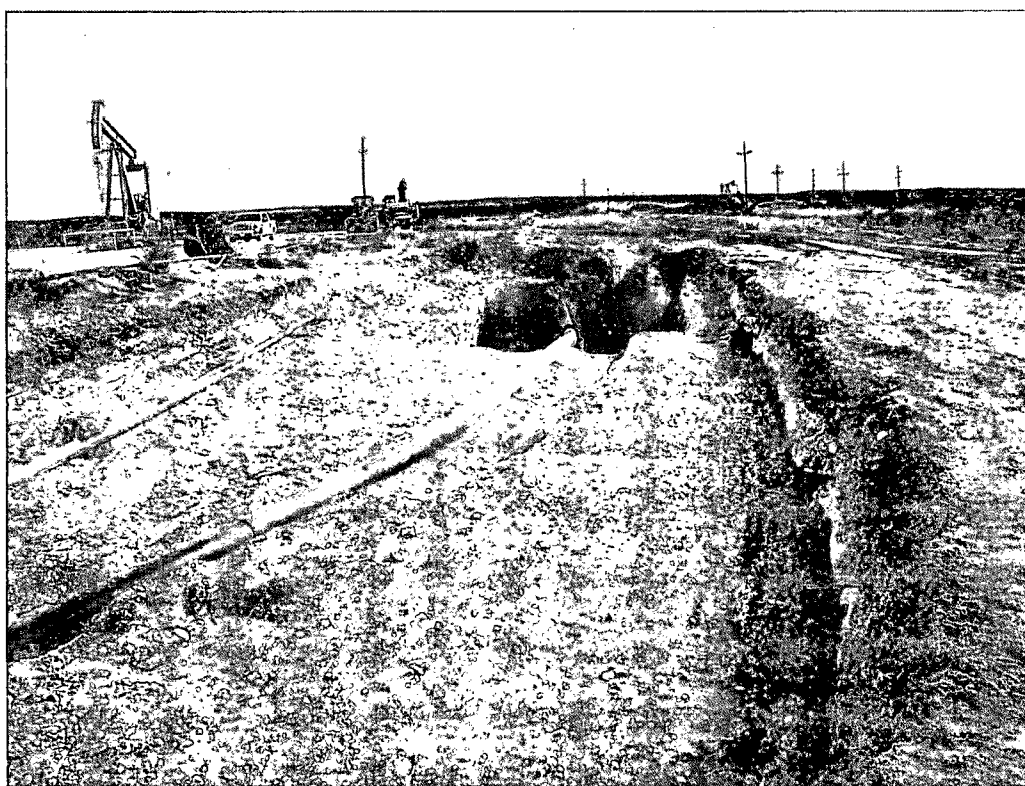
Photograph of the affected 10" pipeline flange at the PLU #261/78 10" Mainline Release Site.



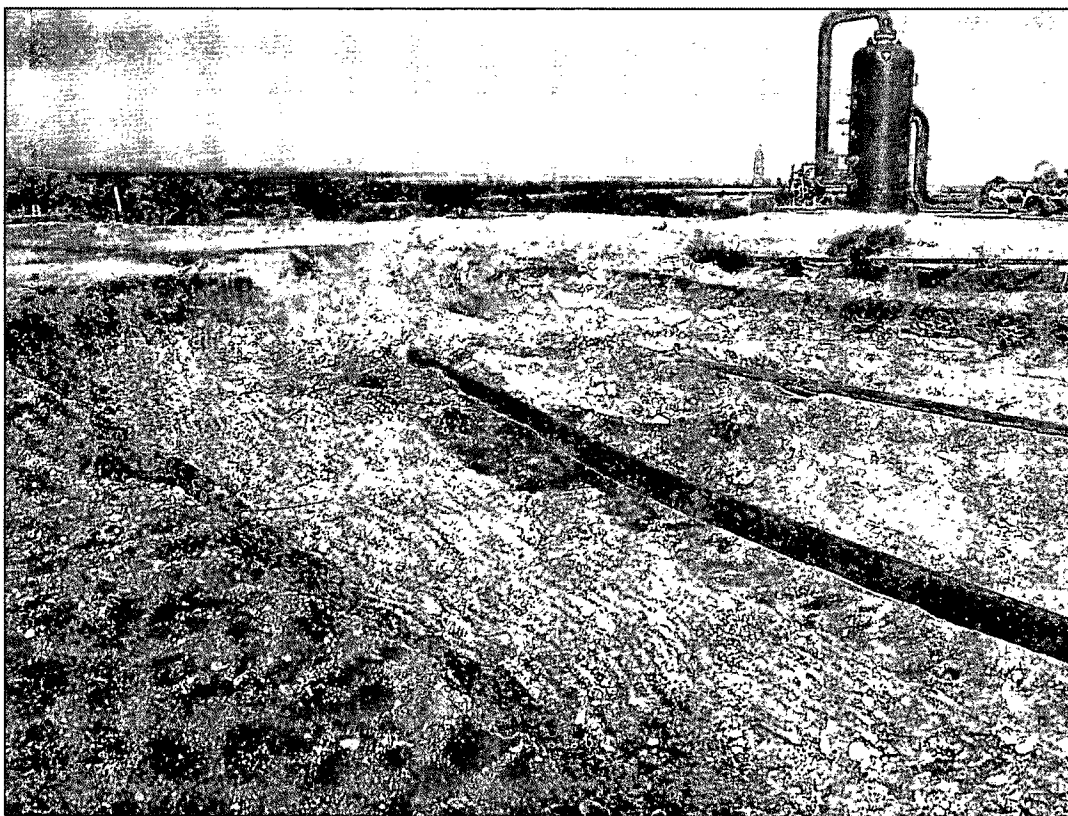
Photograph surface damages and hydroexcavation activities at the PLU #261/78 10" Mainline Release Site.



Photograph excavation activities at the PLU #261/78 10" Mainline Release Site.



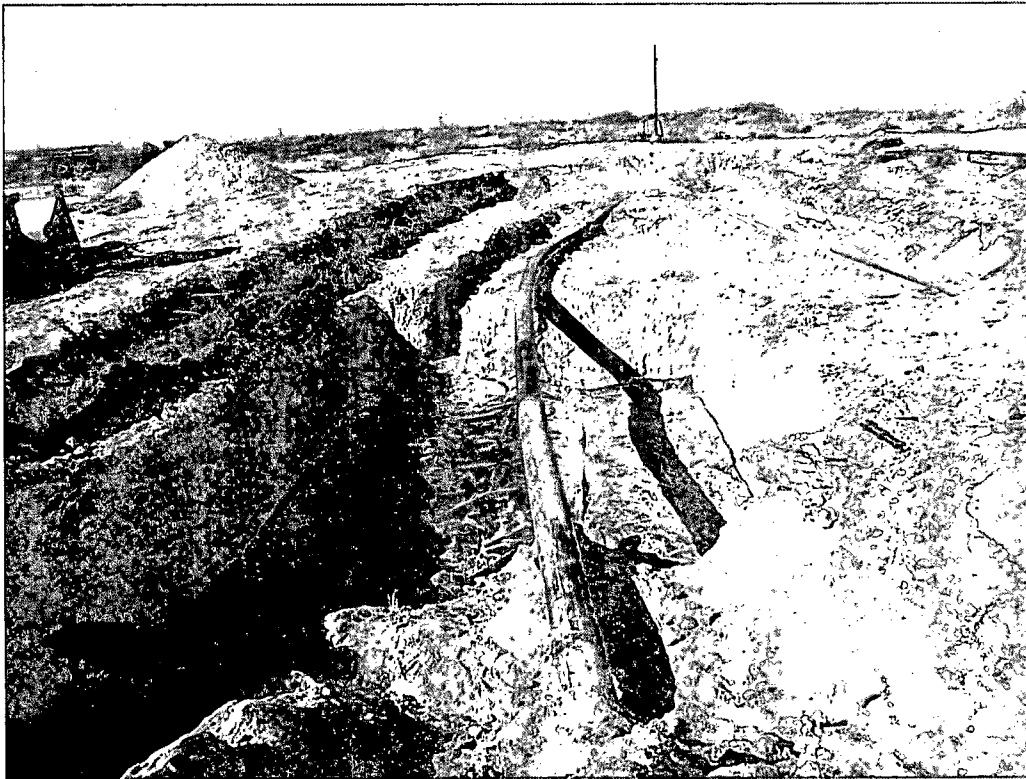
Photograph of the excavation and sample locations at the PLU #261/78 10" Mainline Release Site.



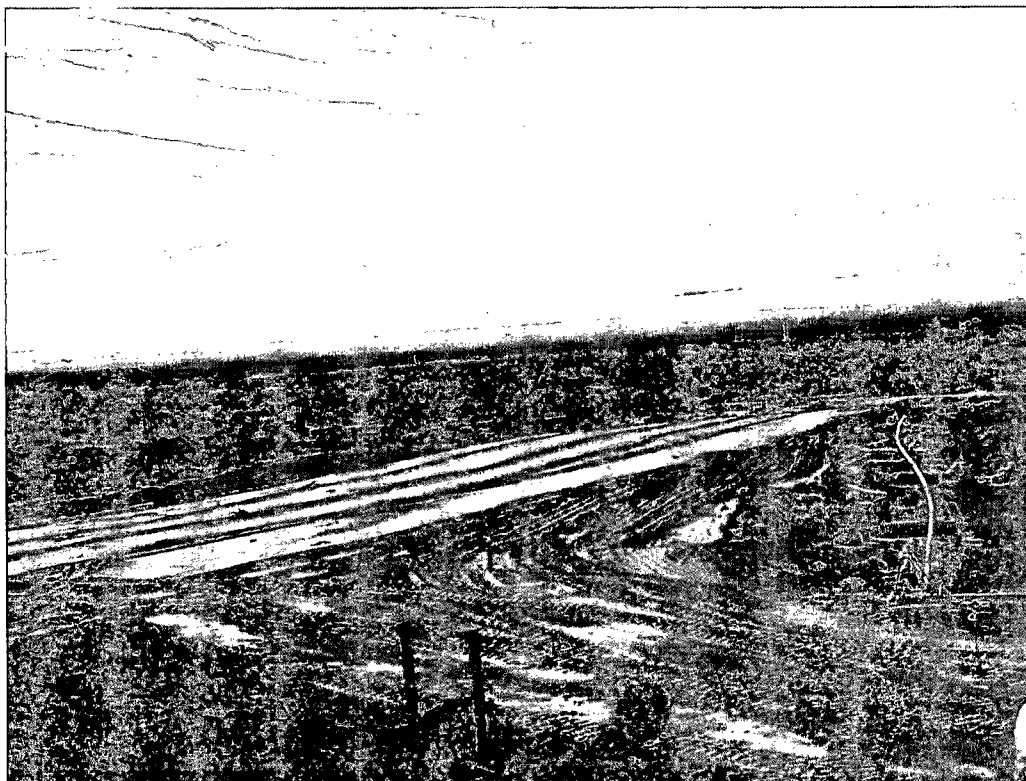
Photograph of the excavation and sample locations at the PLU #261/78 10" Mainline Release Site.



Photograph of the liner installation at the PLU #261/78 10" Mainline Release Site.



Photograph of the liner installation in the eastern portion of the excavation at the PLU #261/78 10" Mainline Release Site.



Photograph of the PLU #261/78 10" Mainline Release Site after remediation activities.

Appendix C

Laboratory Analytical Reports

November 19, 2013

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: POKER LAKE UNIT #261

Enclosed are the results of analyses for samples received by the laboratory on 11/12/13 13:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.


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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/12/2013
 Reported: 11/19/2013
 Project Name: POKER LAKE UNIT #261
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

 Sampling Date: 11/08/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: RP @ 4' (H302752-01)

| Chloride, SM4500Cl-B | | mg/kg | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 24800 | 16.0 | 11/14/2013 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: RP @ 9' (H302752-02)

| Chloride, SM4500Cl-B | | mg/kg | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 12500 | 16.0 | 11/14/2013 | ND | 400 | 100 | 400 | 0.00 | |

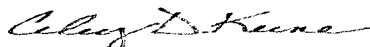
Sample ID: RP @ 14' (H302752-03)

| Chloride, SM4500Cl-B | | mg/kg | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5600 | 16.0 | 11/14/2013 | ND | 400 | 100 | 400 | 0.00 | |

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

| | | | |
|-------------------|----------------------|---------------------|---------------|
| Received: | 11/12/2013 | Sampling Date: | 11/08/2013 |
| Reported: | 11/19/2013 | Sampling Type: | Soil |
| Project Name: | POKER LAKE UNIT #261 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | EDDY CO., NM | | |

Sample ID: RP @ 19' (H302752-04)

| 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 | 11/18/2013 | ND | 1.98 | 99.2 | 2.00 | 5.01 | | |
| Toluene* | <0.050 | 0.050 | 11/18/2013 | ND | 1.96 | 98.2 | 2.00 | 5.59 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/18/2013 | ND | 1.95 | 97.4 | 2.00 | 5.81 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/18/2013 | ND | 5.71 | 95.2 | 6.00 | 5.49 | | |
| Total BTX | <0.300 | 0.300 | 11/18/2013 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 89.4-126

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1860 | 16.0 | 11/14/2013 | ND | 400 | 100 | 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 | 11/13/2013 | ND | 217 | 108 | 200 | 4.00 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/13/2013 | ND | 215 | 107 | 200 | 6.89 | | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/13/2013 | ND | | | | | | |

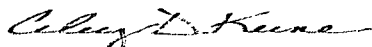
Surrogate: 1-Chlorooctane 123 % 65.2-140

Surrogate: 1-Chlorooctadecane 138 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 11/12/2013
Reported: 11/19/2013
Project Name: POKER LAKE UNIT #261
Project Number: NONE GIVEN
Project Location: EDDY CO., NM

Sampling Date: 11/08/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

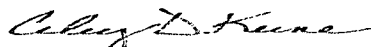
Sample ID: WSW #1 (H302752-05)

| Chloride, SM4500Cl-B | mg/kg | Analyzed By: AP | | | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 11/14/2013 | ND | 400 | 100 | 400 | 0.00 | |

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

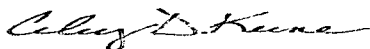
Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



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Page 6 of 6

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Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

54

November 21, 2013

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: POKER LAKE UNIT #261

Enclosed are the results of analyses for samples received by the laboratory on 11/14/13 11:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

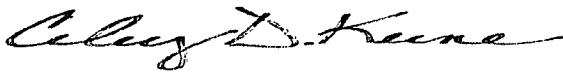
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/14/2013
 Reported: 11/21/2013
 Project Name: POKER LAKE UNIT #261
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

 Sampling Date: 11/12/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: W. FLOOR @ 5' (H302781-01)

| BTEX 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 | 11/18/2013 | ND | 1.98 | 99.2 | 2.00 | 5.01 | |
| Toluene* | <0.050 | 0.050 | 11/18/2013 | ND | 1.96 | 98.2 | 2.00 | 5.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/18/2013 | ND | 1.95 | 97.4 | 2.00 | 5.81 | |
| Total Xylenes* | <0.150 | 0.150 | 11/18/2013 | ND | 5.71 | 95.2 | 6.00 | 5.49 | |
| Total BTEX | <0.300 | 0.300 | 11/18/2013 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIC) 109 % 89.4-126

| 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 | 11/15/2013 | ND | 432 | 108 | 400 | 0.00 | |

| TPH 8015M | | | mg/kg | | Analyzed By: MS | | | | |
|------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/15/2013 | ND | 182 | 91.1 | 200 | 5.05 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/15/2013 | ND | 182 | 90.8 | 200 | 6.00 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/15/2013 | ND | | | | | |

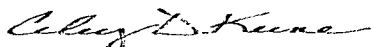
Surrogate: 1-Chlorooctane 90.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.6 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 11/14/2013
Reported: 11/21/2013
Project Name: POKER LAKE UNIT #261
Project Number: NONE GIVEN
Project Location: EDDY CO., NM

Sampling Date: 11/12/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: NSW #1 (H302781-02)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 672 | 16.0 | 11/15/2013 | ND | 432 | 108 | 400 | 0.00 | |


Sample ID: SSW #1 (H302781-03)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 11/15/2013 | ND | 432 | 108 | 400 | 0.00 | |

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

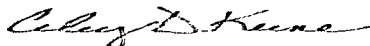
Notes and Definitions

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

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*=Accredited Analyte

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Celest D. Keene, Lab Director/Quality Manager

**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 5 of 5

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------------|--|--------------------------------|--|-------------|--|---|--|----------|--|-----|--|--------|--|--------|--|------------|--|------------|--|--------|--|------|--|------|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Basin Environmental Service Technologies, LLC | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: Joel Lowry | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</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. Marland | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: | | Project Owner: | | City: Carlsbad | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: PLU #261/78 10-Inch Mainline 10-29-13 | | | | State: NM Zip: 88220 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: Eddy Co., NM | | | | Phone #: (432)556-8730 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: J. Lowry | | | | 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 | | | | | | | | | | | | | | | | | |
| H302781 | | W. Floor @ 5' | | G 1 | | X | | | | | | | | | | | | X | | 11/12/13 | | 1110 | | x | | x | | x | | | | | | | | | | | | | | | |
| 2 | | NSW #1 | | G 1 | | X | | | | | | | | | | | | X | | 11/12/13 | | 1120 | | x | | | | | | | | | | | | | | | | | | | |
| 3 | | SSW #1 | | G 1 | | X | | | | | | | | | | | | X | | 11/12/13 | | 1130 | | x | | | | | | | | | | | | | | | | | | | |
| | | WSW #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | | | | | | | | | |
|--------------------------------------|--|----------------|--|--|--|--|--|--|--|
| Relinquished By: <i>Joel Lowry</i> | | Date: 11/14/13 | | Received By: <i>B. Blackwell</i> | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Add'l Phone #: | |
| | | Time: 7:40 | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Add'l Fax #: | |
| Relinquished By: <i>B. Blackwell</i> | | Date: 11/14/13 | | Received By: <i>Anna Aris</i> | | REMARKS: | | | |
| | | Time: 11:00 | | | | | | | |
| Delivered By: (Circle One) | | | | | | | | | |
| Sampler - UPS - Bus - Other | | FORM-006 | | Sample Condition: Cool / Intact | | CHECKED BY: <i>JA</i> | | Please email results to bjarguijo@basinenv.com, TASavoie@BassPet.com & SJWalters@BassPet.com | |
| | | 2.8°C | | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | |
| | | | | <input type="checkbox"/> No <input type="checkbox"/> No | | | | | |

Revision 1.0

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11:55

#54



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

November 21, 2013

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: POKER LAKE UNIT #261

Enclosed are the results of analyses for samples received by the laboratory on 11/19/13 10:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 11/19/2013
Reported: 11/21/2013
Project Name: POKER LAKE UNIT #261
Project Number: NONE GIVEN
Project Location: EDDY CO., NM

Sampling Date: 11/15/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: NSW #2 @ 6' (H302817-01)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 11/21/2013 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: ESW #1 @ 6' (H302817-02)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 11/21/2013 | ND | 432 | 108 | 400 | 0.00 | |

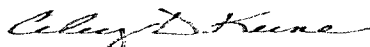
Sample ID: SSW #2 @ 6' (H302817-03)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 11/21/2013 | ND | 432 | 108 | 400 | 0.00 | |

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager


Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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|--|--|---|---|---|
| Relinquished By: <i>[Signature]</i> | | Date: <i>11/19/13</i> | Received By: <i>[Signature]</i> | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: |
| Time: <i>0830</i> | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: |
| Relinquished By: <i>[Signature]</i> | | Date: <i>11/19/13</i> | Received By: <i>[Signature]</i> | REMARKS: Please email results to bjarguijo@basinenv.com , TASavoia@BassPet.com & SJWalters@BassPet.com |
| Time: <i>0945</i> | | | | |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | | Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No | CHECKED BY: (Initials) <i>[Signature]</i> | |
| FORM-006 | | <i>José Idendese</i> <i>10:40</i> | <i>8.4</i> | <i>* Changed as per Seal 11/20/13.</i> |

Revision 1.0

11/19/18

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