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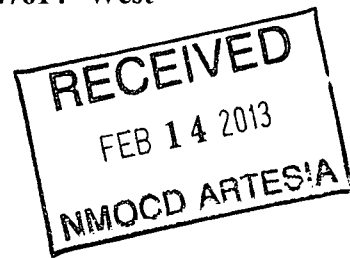


REMEDIATION SUMMARY & RISK-BASED SITE CLOSURE REQUEST

BOPCO, LP
POKER LAKE UNIT #78 Delaware B Tank Battery
Eddy County, New Mexico
Unit Letter "A" (NE/NE), Section 25, Township 24 South, Range 30 East
Latitude 32.194069° North, Longitude 103.827614° West

Prepared For:

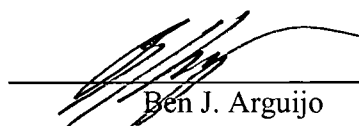
BOPCO, LP
522 W. Mermod
Suite 704
Carlsbad, New Mexico 88220



Prepared By:

Basin Environmental Service Technologies, LLC
3100 Plains Highway
Lovington, New Mexico 88260

January 2013



Ben J. Arguijo
Project Manager

TABLE OF CONTENTS

| | |
|---|---|
| 1.0 INTRODUCTION..... | 1 |
| 2.0 NMOCD SITE CLASSIFICATION..... | 1 |
| 3.0 SUMMARY OF SOIL REMEDIATION ACTIVITIES..... | 2 |
| 4.0 QA/QC PROCEDURES..... | 4 |
| 4.1 Soil Sampling..... | 4 |
| 4.2 Decontamination of Equipment..... | 4 |
| 4.3 Laboratory Protocol..... | 4 |
| 5.0 SITE CLOSURE REQUEST..... | 5 |
| 6.0 LIMITATIONS..... | 5 |
| 7.0 DISTRIBUTION..... | 6 |

FIGURES

Figure 1 – Site Location Map

Figure 2 – Site & Sample Location Map

TABLES

Table 1 – Concentrations of Benzene, BTEX, TPH & Chloride in Soil

APPENDICES

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

Appendix B – Photographs

Appendix C – Soil Boring Logs

Appendix D – Laboratory Analytical Reports

1.0 INTRODUCTION AND 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 #78 Delaware B Tank Battery ("Delaware B"). The legal description of the release site is Unit Letter "A" (NE/NE), Section 25, Township 24 South, Range 30 East, in Eddy County, New Mexico. The geographic coordinates of the release site are 32.194069° North latitude and 103.827614° 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 May 13, 2010, BOPCO discovered a release had occurred at the Delaware B tank battery. The pump on the produced water tank malfunctioned, resulting in a release of produced water and crude oil. The release was confined to the earthen containment area, and free-standing fluid was removed with a vacuum truck. The release was reported to the New Mexico Oil Conservation Division (NMOCD) Artesia District Office on May 13, 2010. The Release Notification and Corrective Action (Form C-141) indicated approximately two hundred and eighty barrels (280 bbls) of produced water and approximately five barrels (5 bbls) of crude oil were released, and approximately two hundred and sixty barrels (260 bbls) of produced water and approximately five barrels (5 bbls) of crude oil were recovered.

On July 7, 2010, BOPCO discovered an additional release had occurred at the Delaware B tank battery. A pipe connection on the water tank failed, and the two-inch (2") valve located between the tank and pump was closed, stopping the flow of water and resulting in a release of produced water. The release was confined to the earthen containment area, and free-standing fluid was removed with a vacuum truck. The release was reported to the NMOCD Artesia District Office on July 7, 2010. The Form C-141 indicated approximately ninety barrels (90 bbls) of produced water were released, and approximately eighty barrels (80 bbls) of produced water were recovered.

On August 20, 2011, BOPCO discovered a third release had occurred at the Delaware B tank battery. A storage tank overflow on unknown cause resulted in the release of crude oil. The release was confined to the earthen containment area, and free-standing fluid was removed with a vacuum truck. The release was reported to the NMOCD Artesia District Office on August 20, 2011. The Form C-141 indicated approximately forty barrels (40 bbls) of crude oil were released, and approximately thirty barrels (30 bbls) of crude oil were recovered.

The three (3) releases were remediated concurrently. The Form C-141 for each release is provided in Appendix A. General photographs of the release site are provided in Appendix B.

2.0 NMOCD SITE CLASSIFICATION

A search of the New Mexico Water Rights Reporting System (NMWRRS) database maintained by the New Mexico Office of the State Engineer (NMOSE) indicated information was unavailable for Section 25, Township 24 South, Range 30 East. A depth-to-groundwater reference map utilized by the NMOCD indicates groundwater should be encountered at approximately three hundred and sixty feet (360') to three hundred and sixty-five feet (365')

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 one thousand feet (1,000') 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 one thousand feet (1,000') 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 Delaware B 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)
- Benzene, toluene, ethylbenzene and xylenes (BTEX) – 50 mg/Kg (ppm)
- Total petroleum hydrocarbons (TPH) – 5,000 mg/Kg (ppm)

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

3.0 SUMMARY OF SOIL REMEDIATION ACTIVITIES

On May 25, 2010, one (1) soil boring (SB-1) was advanced to evaluate the vertical extent of impacted soil at the site. Soil samples were collected at five foot (5') drilling intervals and field-screened using a Photo-Ionization Detector (PID) and a chloride field test kit. Selected soil samples were submitted to Cardinal Laboratories in Hobbs, New Mexico, for analysis of BTEX, TPH, and chloride concentrations using EPA Methods SW-846 8021b, SW-846 8015M, and 4500 Cl-B, respectively. Table 1 summarizes the "Concentrations of Benzene, BTEX, TPH & Chloride in Soil". A "Site & Sample Location Map" is provided as Figure 2. A soil boring log is provided as Appendix C. Laboratory analytical reports are provided as Appendix D.

Soil boring SB-1 was located inside the containment area on the north side of the battery. The soil boring was advanced to a total depth of approximately forty five feet (45') bgs. Soil samples collected at five feet (5'), ten feet (10'), twenty feet (20'), twenty-five feet (25'), thirty feet (30'), forty feet (40'), and forty-five feet (45') bgs were submitted to the laboratory for analysis of BTEX, TPH, and/or chloride concentrations. Laboratory analytical results indicated benzene concentrations were less than the appropriate laboratory method detection limit (MDL) in each of the submitted soil samples. BTEX concentrations ranged from less than the appropriate laboratory MDL in soil samples SB-1 @ 25', SB-1 @ 40', and SB-1 @ 45' to 2.172 mg/Kg in soil sample SB-1 @ 5'. TPH concentrations ranged from less than the appropriate laboratory MDL in soil samples SB-1 @ 40' and SB-1 @ 45' to 126.4 mg/Kg in soil sample SB-1 @ 5'. Chloride concentrations ranged from 416 mg/Kg in soil samples SB-1 @ 40' and SB-1 @ 45' to 3,120 mg/Kg in soil sample SB-1 @ 20'. A review of laboratory analytical results indicated benzene, BTEX and TPH concentrations were less than the appropriate NMOCD regulatory standard.

A background soil sample (Background) was also collected and analyzed for chloride concentrations. Laboratory analytical results indicated the chloride concentration in soil sample Background was less than the laboratory MDL of 16.0 mg/Kg.

On October 14, 2011, four soil samples (Sample #1, Sample #2, Sample #3, and Sample #4) were collected to further delineate the vertical and horizontal extent of impacted soil at the site. The soil samples were submitted to the lab for analysis of TPH concentrations. Laboratory analytical results indicated TPH concentrations ranged from 12.2 mg/Kg in soil sample Sample #2 to 11,810 mg/Kg in soil sample Sample #1. Based on laboratory analytical results, further delineation would be required in the area represented by soil samples Sample #3 and Sample #4. Further delineation in the area represented by soil sample Sample #1 was precluded by the presence of an active pipeline running through the site.

On October 18, 2011, excavation of impacted soil commenced at the site. A PID and chloride test kit were used to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. To facilitate remediation activities, the excavation was divided into two (2) sections: East Excavation and West Excavation. The East Excavation was located in the area immediately adjacent to, and between, the five (5) on-site storage tanks. To preserve the structural integrity of the storage tanks, the vertical extent of the East Excavation was limited to one and one-half feet (1.5') bgs. The West Excavation was located in the area defined by soil samples Sample #1 through Sample #4. Excavated soil was stockpiled on-site, pending final disposition.

From October 20 through October 26, 2011, approximately three hundred and sixty cubic yards (360 yd³) of impacted soil was transported to Lea Land, Inc. (NMOCD Permit # WM-01-035), for disposal.

On October 20, 2011, four (4) soil samples (Sample 4A, Tank 3 South, Tank 4 South, and Tank 5 South) were collected from the floor and sidewalls of the excavations and submitted to the laboratory for analysis of TPH concentrations. Soil sample Sample 4A was advanced in the West Excavation, in the area represented by soil sample Sample #4. Soil samples Tank 3 South, Tank 4 South, and Tank 5 South were located in the East Excavation, inside the containment area of the battery, to the south of the on-site storage tanks. Laboratory analytical results indicated TPH concentrations ranged from less than the laboratory method detection limit (MDL) of 10.0 mg/Kg in soil sample Sample 4A to 28,550 mg/Kg in soil sample Tank 5 South.

A delineation trench was advanced in the West Excavation, in the area represented by soil sample Sample #3. The trench was advanced to a total depth of approximately ten feet (10') bgs. A single soil sample (Sample 3A) was collected from the floor of the trench and submitted to the laboratory for analysis of TPH, BTEX, and chloride concentrations. Laboratory analytical results indicated the TPH concentration in soil sample Sample 3A was 36.6 mg/Kg, the chloride concentration was 4,800 mg/Kg, and BTEX constituent concentrations were less than the appropriate laboratory MDL.

Based on laboratory analytical results and field-screens, from October 21 through October 28, 2011, the West Excavation was backfilled in eighteen-inch (18") lifts, compacted, and contoured to fit the surrounding topography. Prior to backfilling, final dimensions of the excavation were

approximately forty-four feet (44') feet in length, approximately thirty-nine feet (39') feet in width, and approximately six feet (6') in depth.

On October 31, 2011, one (1) hand-augered soil bore was advanced at the western edge of West Excavation. A single confirmation soil sample (Sample #5) was collected from the soil bore and submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results indicated the TPH concentration in soil sample Sample #5 was less than the laboratory MDL of 10.0 mg/Kg, and the chloride concentration was 336 mg/Kg.

The East Excavation was backfilled with clean, crushed caliche to a depth approximately six inches (6") below the original ground surface. Prior to backfilling, three (3) soil samples (Tank 2 North, Tank 4 North, and Tank 5 North) were collected from the floor of the excavation and submitted to the laboratory for analysis of TPH concentrations. Laboratory analytical results indicated TPH concentrations were less than the laboratory MDL of 10.0 mg/Kg in all submitted soil samples.

From October 31 through November 9, 2011, to mitigate future releases, a new, steel-walled containment area was constructed around the Delaware B tank battery. The steel perimeter walls extend approximately two feet (2') above ground surface. A felt liner was installed in the floor of the new containment area, and the floor and perimeter walls were coated with an impermeable, spray-on polyurethane liner.

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

Contaminated soil at the Delaware B release site was excavated to the extent practicable. Soil samples collected from the floors and sidewalls of the Delaware B excavations were analyzed by an NMOCD-approved laboratory, and BTEX constituent concentrations were less than the remediation action levels (RRAL's) established for the site by the NMOCD. The floor and perimeter walls of the containment area surrounding the Delaware B were coated with an impermeable, spray-on polyurethane liner. This engineered control will inhibit the downward migration of contaminants in the areas represented by soil samples Sample #1, Sample 3A, Tank 4 South, and Tank 5 South. In-situ soil exhibiting contamination above the RRAL's established for the site will be remediated upon decommission and/or abandonment of the currently active tank battery.

Basin recommends BOPCO provide the NMOCD Artesia District Office and the BLM a copy of this *Remediation Summary & Risk-Based Site Closure Request* and request the NMOCD grant site closure to the Delaware B release site.

6.0 LIMITATIONS

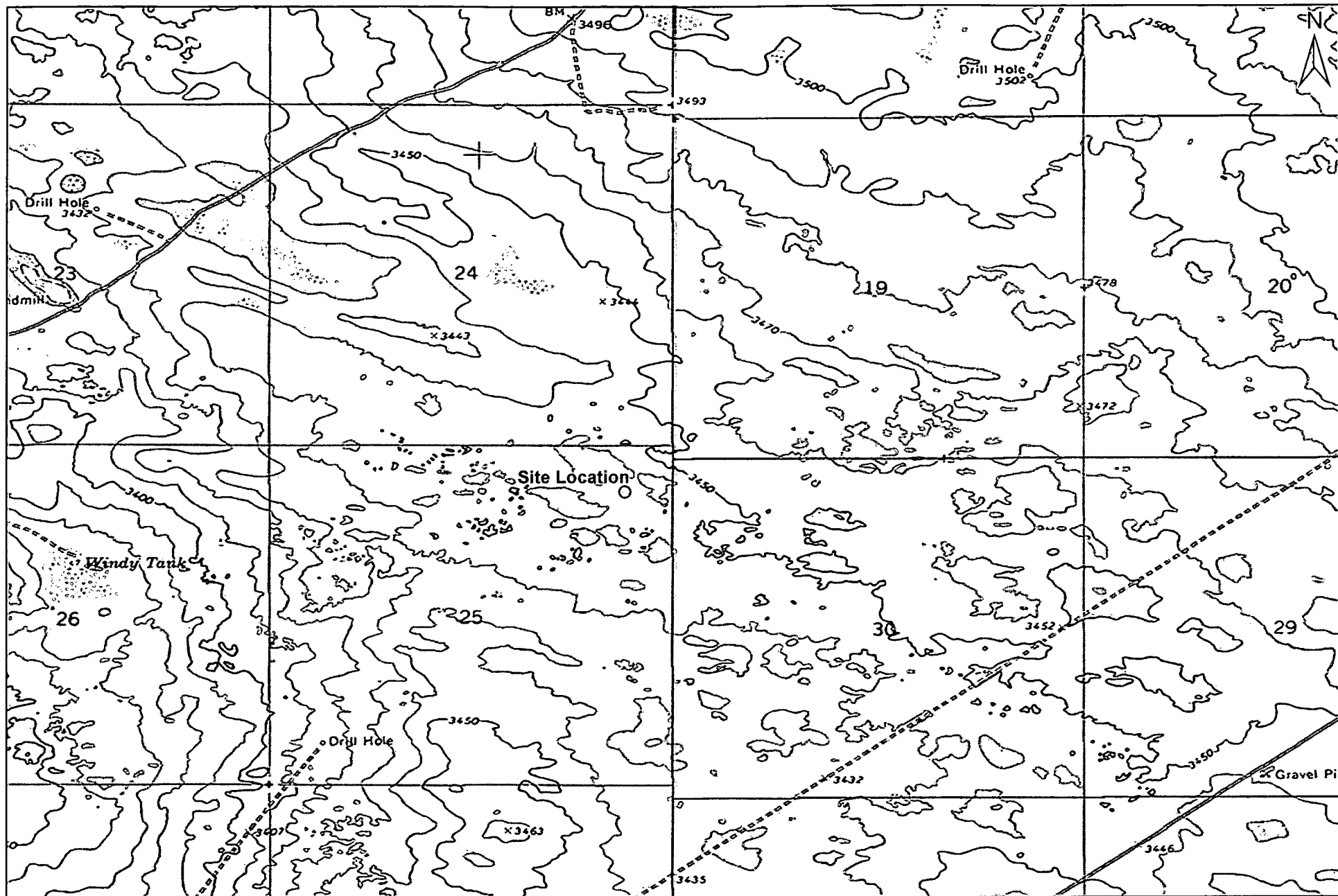
Basin Environmental Service Technologies, LLC, has prepared this *Remediation Summary & Risk-Based Site Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Basin has examined and relied upon documents referenced in the report and on oral statements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

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

7.0 DISTRIBUTION:

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

Figures



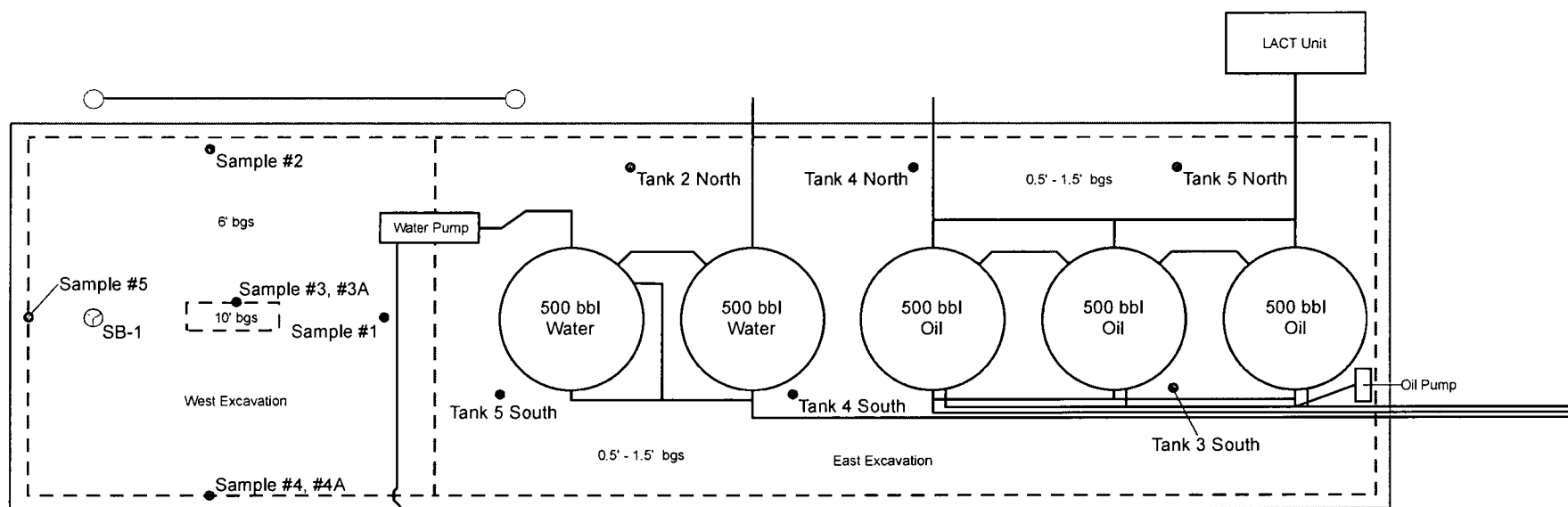
1,000 500 0 1,000 2,000
 Distance in Feet

Figure 1
Site Location Map
BOPCO, LP
Poker Lake Unit #78 Delaware B Tank Battery
Eddy County, New Mexico



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

| | |
|---------------|-------------------|
| Drawn By: BJA | Checked By: BRB |
| June 6, 2012 | Scale: 1" = 2000' |



Legend:

- - - - Excavation
- Sample Location
- Pipeline
- ⊙ Soil Boring
- Containment Area
- Electrical Conduit

Figure 2
Site & Sample Location Map
BOPCO, LP
Poker Lake Unit #78 Delaware B Tank Battery
Eddy County, New Mexico



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

| | |
|------------------|-----------------|
| Drawn By: BJA | Checked By: BRB |
| January 14, 2013 | Scale: 1" = 18' |

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

BOPCO, LP
POKER LAKE UNIT #78 DELAWARE B TANK BATTERY
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) | | |
| Background | Surface | 05/25/10 | In-Situ | - | - | - | - | - | - | - | - | - | <16.0 |
| SB-1 @ 5' | 5' | 05/25/10 | In-Situ | <0.050 | 0.131 | 0.321 | 1.72 | 2.172 | 19.4 | 107 | <10.0 | 126.4 | - |
| SB-1 @ 10' | 10' | 05/25/10 | In-Situ | - | - | - | - | - | - | - | - | - | 640 |
| SB-1 @ 20' | 20' | 05/25/10 | In-Situ | - | - | - | - | - | - | - | - | - | 3,120 |
| SB-1 @ 25' | 25' | 05/25/10 | In-Situ | <0.050 | <0.050 | <0.050 | <0.300 | <0.300 | <10.0 | 32.8 | <10.0 | 32.8 | - |
| SB-1 @ 30' | 30' | 05/25/10 | In-Situ | - | - | - | - | - | - | - | - | - | 768 |
| SB-1 @ 40' | 40' | 05/25/10 | In-Situ | <0.050 | <0.050 | <0.050 | <0.300 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 416 |
| SB-1 @ 45' | 45' | 05/25/10 | In-Situ | <0.050 | <0.050 | <0.050 | <0.300 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 416 |
| Sample #1 | 1' | 10/14/2011 | In-situ | - | - | - | - | - | 3,200 | 7,970 | 640 | 11,810 | - |
| Sample #2 | 1' | 10/14/2011 | In-situ | - | - | - | - | - | <10.0 | 12.2 | <10.0 | 12.2 | - |
| Sample #3 | 1' | 10/14/2011 | Excavated | - | - | - | - | - | 690 | 1,380 | 90.1 | 2,160 | - |
| Sample #4 | 1' | 10/14/2011 | Excavated | - | - | - | - | - | 239 | 1,600 | 116 | 1,955 | - |
| Sample 3A | 10' | 10/20/2011 | In-situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | 36.6 | <10.0 | 36.6 | 4,800 |
| Sample 4A | 6' | 10/20/2011 | In-situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | - |
| Tank 3 South | 1.5' | 10/20/2011 | In-situ | - | - | - | - | - | <50.0 | 643 | 104 | 747 | - |
| Tank 4 South | 1.5' | 10/20/2011 | In-situ | - | - | - | - | - | 1,440 | 19,300 | 1,510 | 22,250 | - |
| Tank 5 South | 1.5' | 10/20/2011 | In-situ | - | - | - | - | - | 1,920 | 24,600 | 2,030 | 28,550 | - |
| Sample #5 | 4' | 10/31/2011 | In-situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 336 |
| Tank 2 North | 1.5' | 10/31/2011 | In-situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | - |
| Tank 4 North | 1.5' | 10/31/2011 | In-situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | - |
| Tank 5 North | 1.5' | 10/31/2011 | In-situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | - |
| NMOCD Standard | | | | 10 | | | | 50 | | | | 5,000 | 1,000 |

- = Not analyzed.

Appendices

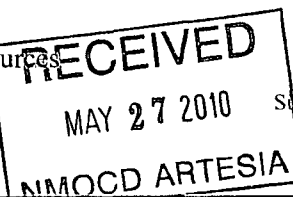
Appendix A
Release Notification &
Corrective Action (Form C-141)

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

(NMOCD)
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. *260737* Contact Tony Savoie
Address 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220 Telephone No. 432-556-8730
Facility Name Poker Lake Unit #78 Delaware B Tank Battery 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 |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| A | 25 | 24S | 30E | | | | | Eddy |

Latitude N 32.194069 Longitude W 103.827614

NATURE OF RELEASE

| | | |
|--|---|---|
| Type of Release: Produced water and crude oil | Volume of Release: 280 Bbls of Produced water and 5 Bbls of Crude oil | Volume Recovered: 260 bbls of produced water and 5 bbls crude oil |
| Source of Release: 300 bbl produced water tank overflow | Date and Hour of Occurrence Unknown | Date and Hour of Discovery 5/13/10 8:00 a.m. |
| Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? Randy NMOCD on call operator | |
| By Whom? Tony Savoie | Date and Hour 5/13/10 10:21a.m. | |
| 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 produced water tank overflowed due to a pump malfunction. The main water transfer pump failed to come. The pump motor was replaced.

Describe Area Affected and Cleanup Action Taken.* The released fluid affected an area of approximately 3,000 sq. ft inside the earthen containment around the tanks, the facility does not have impervious containment. The free standing fluids were removed with a vacuum truck. On 5/25/10 An area was selected inside the containment for an air rotary rig to advance a soil bore to determine vertical extent. The soil bore was advanced to a depth of approximately 45 ft. below ground surface and sampled a 5 ft. intervals for TPH, BTEX and Chlorides. Estimated depth to water is greater than 400 ft. The sample results along with a remediation plan and containment upgrade will be submitted to the NMOCD.
The Site remediation for the produced water and crude oil spill will follow the NMOCD guidelines for 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.

OIL CONSERVATION DIVISION

Signature: *Tony Savoie*

Approved by District Supervisor:

Signed By *Mike Brannan*

Printed Name: Tony Savoie

Title: Waste Mgmt. & Remediation Specialist

Approval Date: *3/3/11*

Expiration Date:

E-mail Address: TASavoie@BassPet.com

Conditions of Approval:

Attached ☐

Date: 5/27/10

Phone: 432-556-8730

Remediation per OCD Rules &
Guidelines. **SUBMIT REMEDIATION
PROPOSAL NOT LATER THAN:**

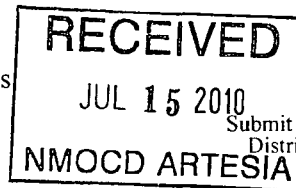
4/3/11

2 RP-532

* 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

30-015-27536

Release Notification and Corrective Action

17kmw 1035628847

OPERATOR

☒ Initial Report ☐ Final Report

| | | |
|---|--------|----------------------------|
| Name of Company BOPCO, L.P. | 260737 | Contact Tony Savoie |
| Address 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220 | | Telephone No. 432-556-8730 |
| Facility Name Poker Lake Unit #78 Delaware B Tank Battery | | Facility Type E&P |

| | | |
|-----------------------|-----------------------|-----------|
| Surface Owner Federal | Mineral Owner Federal | Lease No. |
|-----------------------|-----------------------|-----------|

LOCATION OF RELEASE

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

Latitude N 32.194069 Longitude W 103.827614

NATURE OF RELEASE

| | | |
|--|--|---|
| Type of Release: Produced water. | Volume of Release: 90 Bbls of Produced water. | Volume Recovered: 80 bbls of produced water. |
| Source of Release: 500 bbl produced water tank. | Date and Hour of Occurrence Unknown | Date and Hour of Discovery 7/7/10 10:00 a.m. |
| Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? Randy NMOCD on call operator | |
| By Whom? Tony Savoie | Date and Hour 7/7/10 2:39 p.m. | |
| 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.* A pipe connection on the back of the water tank broke "reason unknown" The 2" valve between the tank and the pump was closed stopping the flow of water. The connection was replaced later.

Describe Area Affected and Cleanup Action Taken.*The released fluid affected an area of approximately 2,000 sq. ft inside the earthen containment around the tanks, the facility does not have impervious containment. The free standing fluids were removed with a vacuum truck. On 5/25/10 An area was selected inside the containment for an air rotary rig to advance a soil bore to determine vertical extent. The soil bore was advanced to a depth of approximately 45 ft. below ground surface and sampled a 5 ft. intervals for TPH, BTEX and Chlorides. Estimated depth to water is greater than 400 ft. The sample results along with a remediation plan and containment upgrade will be submitted to the NMOCD. We will schedule another sampling event in the same area to determine if the vertical extent has migrated further down since the 2nd. Spill event.
The Site remediation for the produced water and crude oil spill will follow the NMOCD guidelines for 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: <u>Tony Savoie</u> | | OIL CONSERVATION DIVISION | |
| Printed Name: Tony Savoie | | Approved by District Supervisor: Signed By <u>Mike Brannan</u> | |
| Title: Waste Mgmt. & Remediation Specialist | | Approval Date: <u>3/3/11</u> | Expiration Date: |
| E-mail Address: TASavoie@BassPet.com | | Conditions of Approval: Remediation per OCD Rules & Guidelines. SUBMIT REMEDIATION PROPOSAL NOT LATER THAN: | |
| Date: 7/14/10 Phone: 432-556-8730 | | Attached <input type="checkbox"/> | |

* Attach Additional Sheets If Necessary

4/3/11

2RP-514

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 #78 Delaware B Tank Battery | Facility Type E&P |

| | | |
|-----------------------|-----------------------|-----------|
| Surface Owner Federal | Mineral Owner Federal | Lease No. |
|-----------------------|-----------------------|-----------|

LOCATION OF RELEASE

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

Latitude N 32.194069 Longitude W 103.827614

NATURE OF RELEASE

| | | |
|--|--|---|
| Type of Release: Crude oil | Volume of Release: 40 Bbls of crude oil. | Volume Recovered: 30 bbls. |
| Source of Release: 500 bbl oil production tank. | Date and Hour of Occurrence 8/20/11 time unknown. | Date and Hour of Discovery 8/20/11 8:00 a.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 #104 | |
| By Whom? Tony Savoie | Date and Hour 8/20/11 11:07 a.m. | |
| 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.* | | |

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AUG 22 2011
NMOCD ARTESIA

Describe Cause of Problem and Remedial Action Taken.* One of the oil production tanks overflowed. Cause unknown.

Describe Area Affected and Cleanup Action Taken.* The spill was contained within the earthen containment around the tank battery, all of the free product was removed with a vacuum truck.

The Site remediation for the produced water and crude oil spill will follow the NMOCD guidelines for 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.

OIL CONSERVATION DIVISION

| | | |
|---|----------------------------------|-----------------------------------|
| Signature: <i>Tony Savoie</i> | Approved by District Supervisor: | |
| Printed Name: Tony Savoie | | |
| 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
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1301 W. Grand Avenue, Artesia, NM 88210
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State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
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Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report **X** 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 #78 Delaware B Tank Battery | Facility Type E&P | |
| Surface Owner Federal | Mineral Owner Federal | Lease No. |

LOCATION OF RELEASE

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

Latitude 32.194069° North

Longitude 103.827614° West

NATURE OF RELEASE

| | | |
|--|---|--|
| Type of Release Produced water and crude oil | Volume of Release: 280 bbls of produced water and 5 bbls of crude oil | Volume Recovered: 260 bbls of produced water and 5 bbls of crude oil |
| Source of Release 300 bbl produced water tank overflow | Date and Hour of Occurrence Unknown | Date and Hour of Discovery 5/13/2010, 8:00 AM |
| Was Immediate Notice Given? X Yes No Not Required | If YES, To Whom? Randy, NMOCD on-call operator | |
| By Whom? Tony Savoie | Date and Hour 5/13/10, 10:21 AM | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes X No | If YES, Volume Impacting the Watercourse. | |

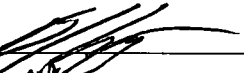
If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* The produced water tank overflowed due to a pump malfunction. The main water transfer pump failed to come on. The pump motor was replaced.

Describe Area Affected and Cleanup Action Taken.* The released fluid affected an area of approximately 3,000 sq. ft inside the earthen containment around the tanks. The facility did not have impervious containment at the time. The free-standing fluids were removed with a vacuum truck. Following initial response activities, the release was remediated as per NMOCD guidelines. Please reference the attached *Remediation Summary & Risk-Based Site Closure Request* for details of remediation activities and laboratory analytical results from confirmation soil samples.

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

OIL CONSERVATION DIVISION

| | | |
|--|----------------------------------|------------------|
| Signature:  | Approved by District Supervisor: | |
| Printed Name: <u>Ben J. Aragon (Agent of BOPCO, LP)</u> | | |
| Title: <u>Project Manager, Basin Environmental</u> | Approval Date: | Expiration Date: |
| E-mail Address: <u>TASavoie@BassPet.com</u> | Conditions of Approval: | |
| Date: <u>2/14/13</u> | Phone: (432)556-8730 | |

(800) 549-9597

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FEB 14 2013

NMOCD ARTESIA

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 #78 Delaware B Tank Battery | 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 |
| A | 25 | 24S | 30E | | | | | Eddy |

Latitude 32.194069° North

Longitude 103.827614° West

NATURE OF RELEASE

| | | | | | |
|-----------------------------|---|---|-------------------------------|----------------------------|---------------------------|
| Type of Release | Produced water | Volume of Release: | 90 bbls of produced water | Volume Recovered: | 80 bbls of produced water |
| Source of Release | 500 bbl produced water tank | Date and Hour of Occurrence | Unknown | Date and Hour of Discovery | 7/7/2010, 10:00 AM |
| Was Immediate Notice Given? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? | Randy, NMOCD on-call operator | | |
| By Whom? | Tony Savoie | Date and Hour | 7/7/10, 2:39 PM | | |
| Was a Watercourse Reached? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse. | | | |

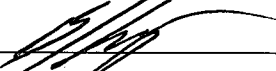
If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* A pipe connection on the back of the water tank broke for reasons unknown. The 2" valve between the tank and the pump was closed, stopping the flow of water. The connection was later replaced.

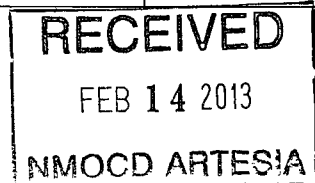
Describe Area Affected and Cleanup Action Taken.* The released fluid affected an area of approximately 2,000 sq. ft inside the earthen containment around the tanks. The facility did not have impervious containment at the time. The free-standing fluids were removed with a vacuum truck. Following initial response activities, the release was remediated per NMOCD guidelines in conjunction with a release that occurred on 5/13/10 and affected the same area. Please reference the attached *Remediation Summary & Risk-Based Site Closure Request* for details of remediation activities and laboratory analytical results from confirmation soil samples.

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

OIL CONSERVATION DIVISION

| | | | |
|-----------------|---|----------------------------------|------------------|
| Signature: |  | | |
| Printed Name: | Don J. Arzoo (Agent of BOPCO, LP) | Approved by District Supervisor: | |
| Title: | Project Manager, Basin Environmental | Approval Date: | Expiration Date: |
| E-mail Address: | TASavoie@BassPet.com | Conditions of Approval: | |
| Date: | 2/14/13 | Phone: (432)556-8730 | |

(806) 549-9597



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Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
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with Rule 116 on back
side of form

Release Notification and Corrective Action

| OPERATOR | | Initial Report | X 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 #78 Delaware B Tank Battery | 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 |
| A | 25 | 24S | 30E | | | | | Eddy |

Latitude 32.194069° North

Longitude 103.827614° West

NATURE OF RELEASE

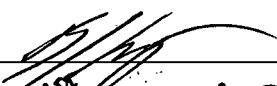
| | | |
|---|--|--|
| Type of Release: Crude Oil | Volume of Release: 40 bbls of crude oil | Volume Recovered: 30 bbls of crude oil |
| Source of Release: 500 bbl oil production tank | Date and Hour of Occurrence: 8/20/2011, time unknown | Date and Hour of Discovery: 8/20/2011, 8:00 AM |
| Was Immediate Notice Given? X Yes No Not Required | If YES, To Whom? NMOCD emergency #104 | |
| By Whom? Tony Savoie | Date and Hour 8/20/2011, 11:07 AM | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes X No | If YES, Volume Impacting the Watercourse. | |

If a Watercourse was Impacted, Describe Fully.*

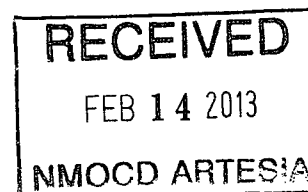
Describe Cause of Problem and Remedial Action Taken:* One of the oil production tanks overflowed. Cause unknown.

Describe Area Affected and Cleanup Action Taken.* The spill was contained within the earthen containment around the tank battery. All of the free product was removed with a vacuum truck. Following initial response activities, the release was remediated per NMOCD guidelines in conjunction with two others releases that occurred on 5/13/10 & 7/7/10 and affected the same area. Please reference the attached *Remediation Summary & Risk-Based Site Closure Request* for details of remediation activities and laboratory analytical results from confirmation soil samples.

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

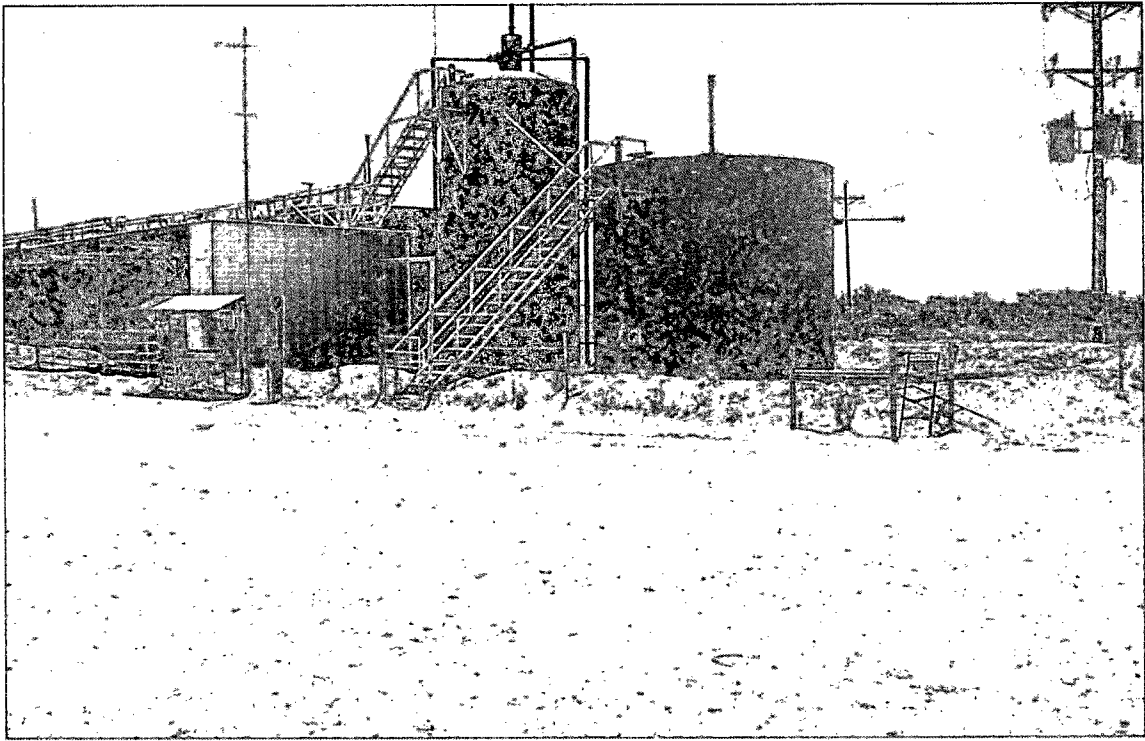
| | | | |
|--|----------------------|----------------------------------|------------------|
| Signature:  | | OIL CONSERVATION DIVISION | |
| Printed Name: <u>Ben J. Argnio (Agent of BOPCO, LP)</u> | | Approved by District Supervisor: | |
| Title: <u>Project Manager, Basin Environmental</u> | | Approval Date: | Expiration Date: |
| E-mail Address: TASavoie@BassPet.com <u>b.j.agnio@bassenv.com</u> | | Conditions of Approval: | |
| Date: <u>2/14/13</u> | Phone: (432)556-8730 | | |

(806)549-9597

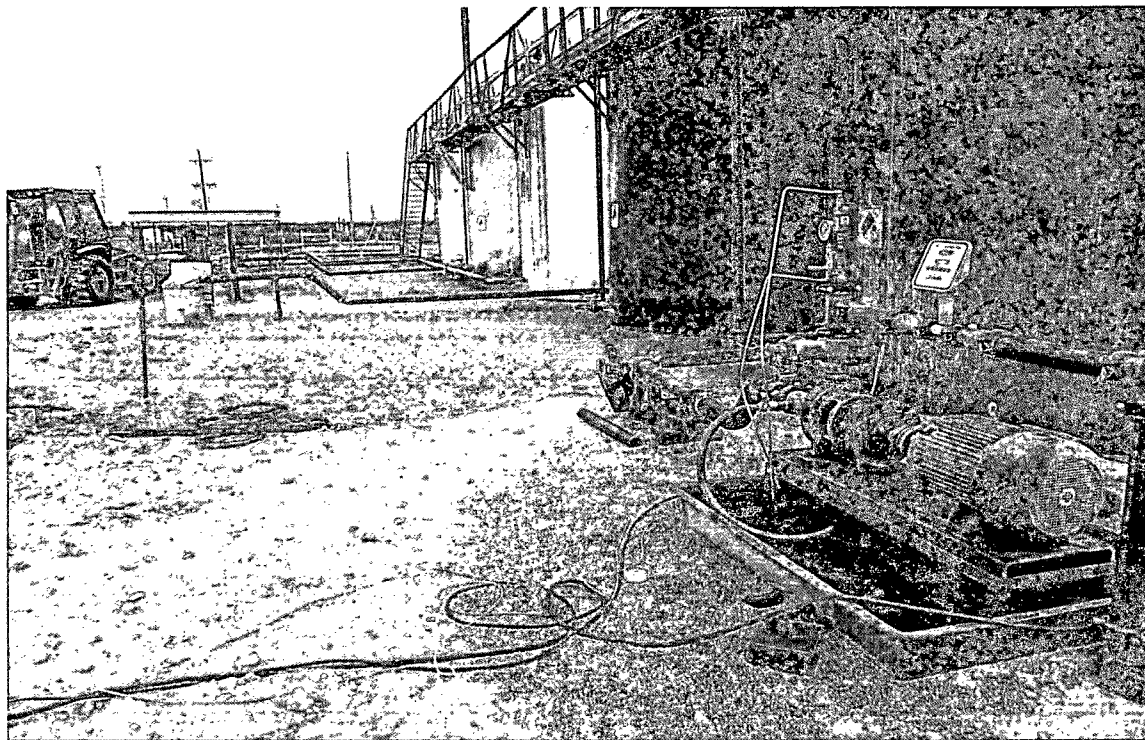


Appendix B

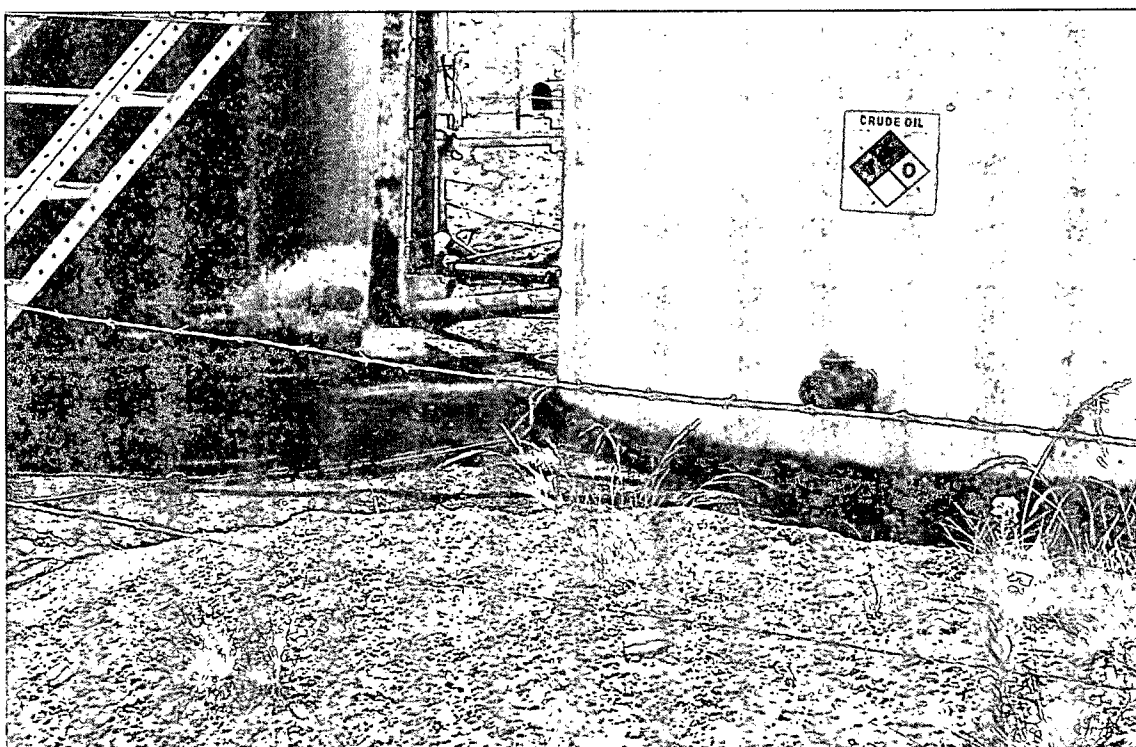
Photographs



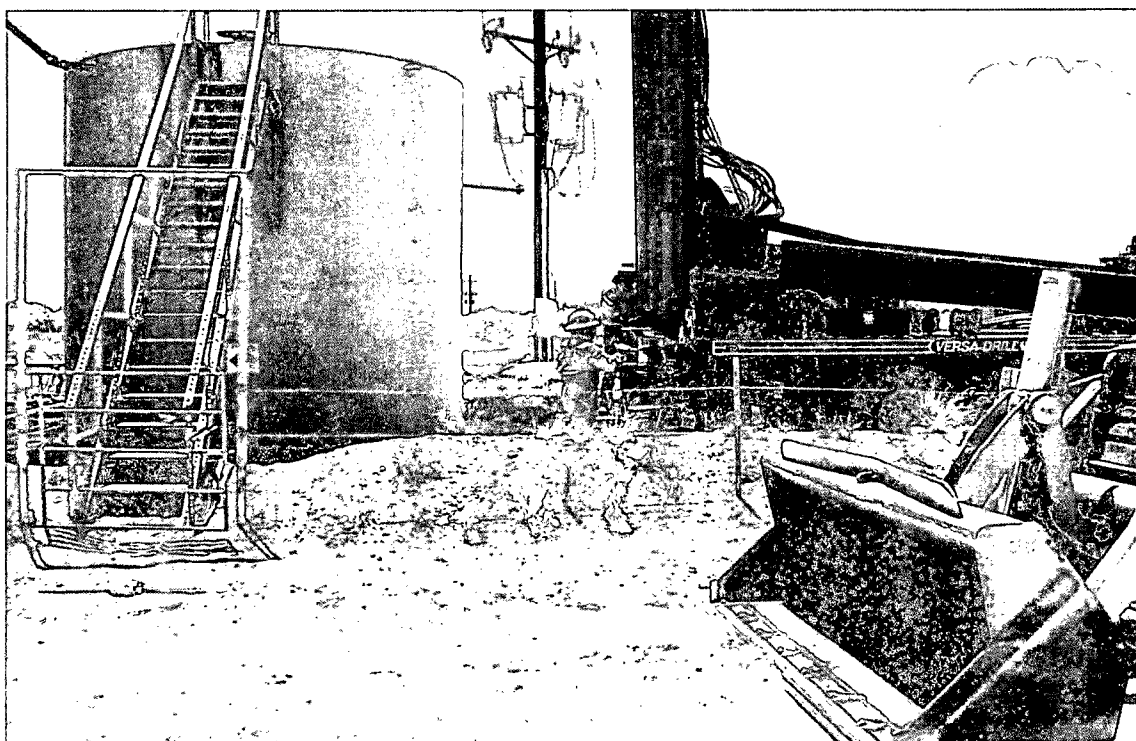
Poker Lake Unit #78 Delaware B Tank Battery



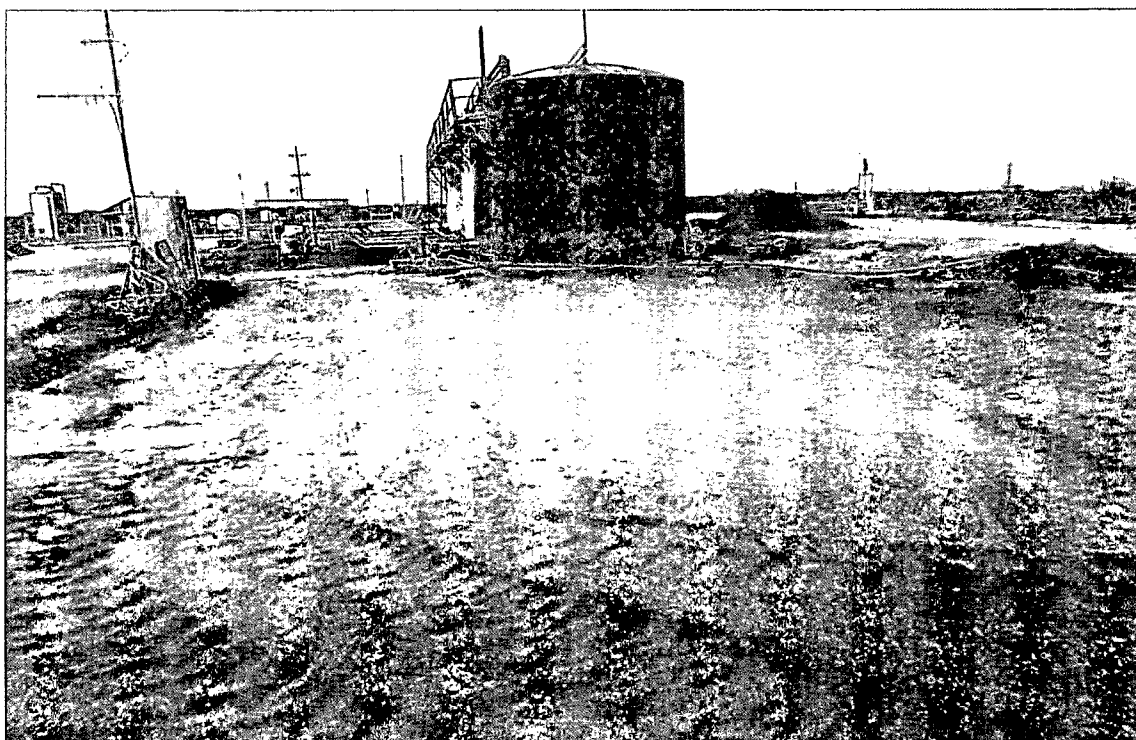
Poker Lake Unit #78 Delaware B Tank Battery - Release Site



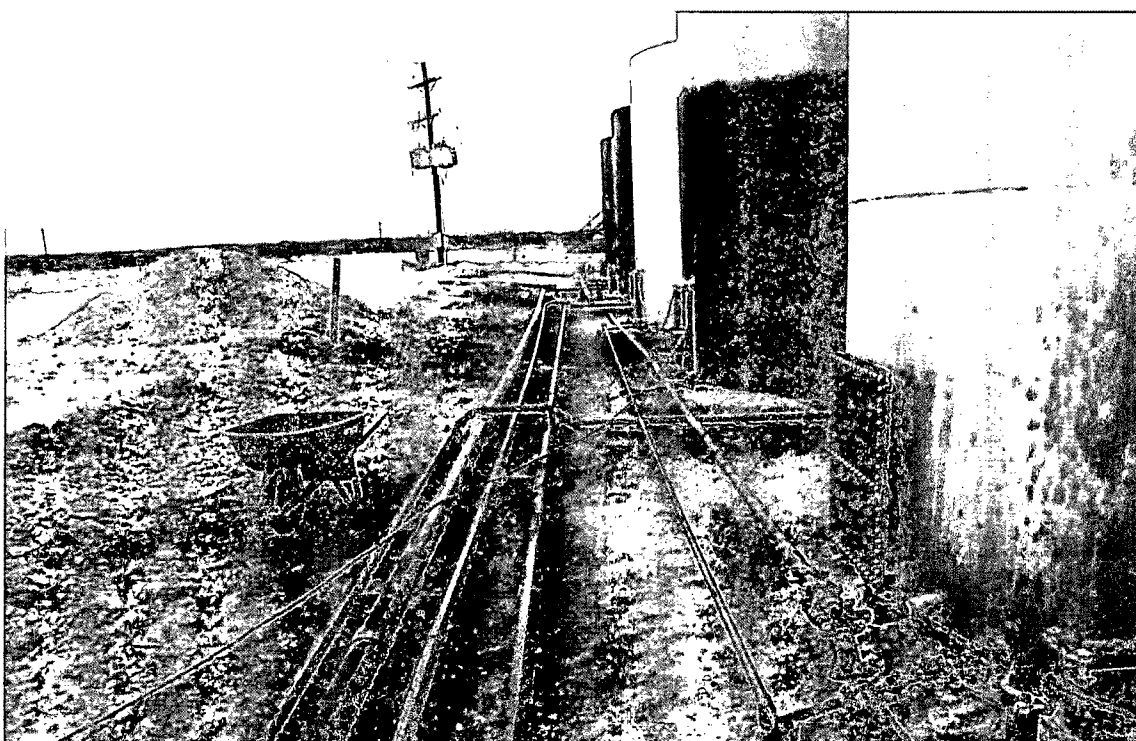
Poker Lake Unit #78 Delaware B Tank Battery - Release Site



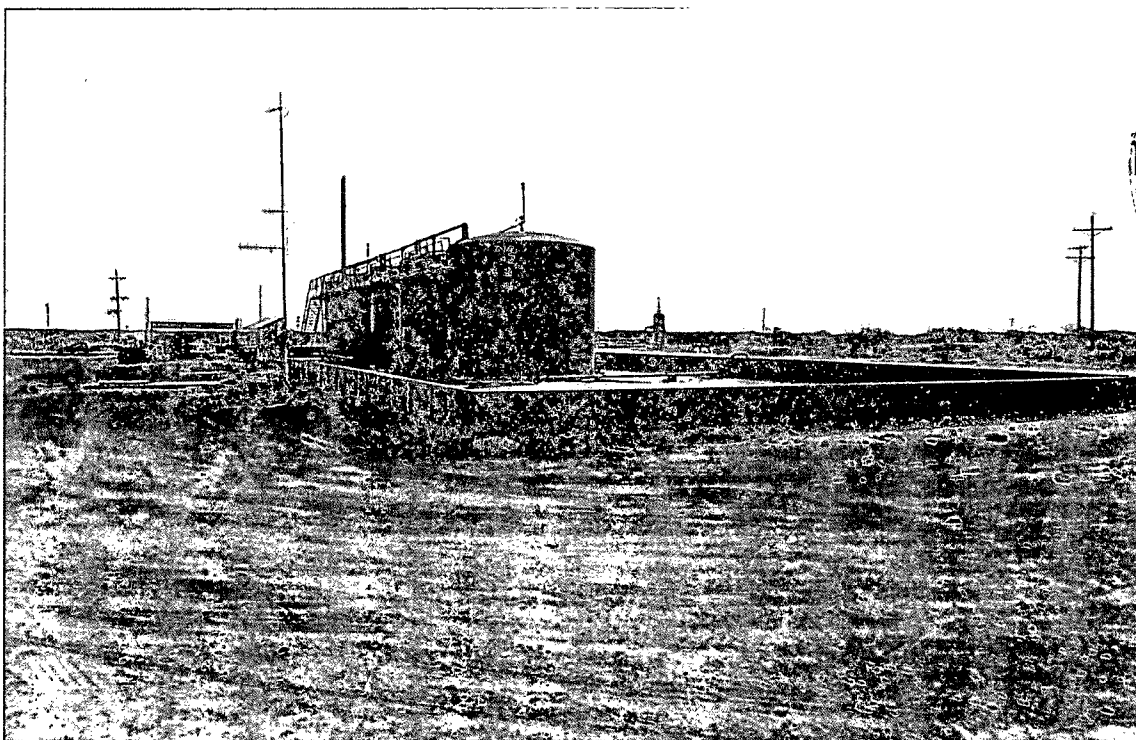
Poker Lake Unit #78 Delaware B Tank Battery - Advancement of Soil Boring SB-1



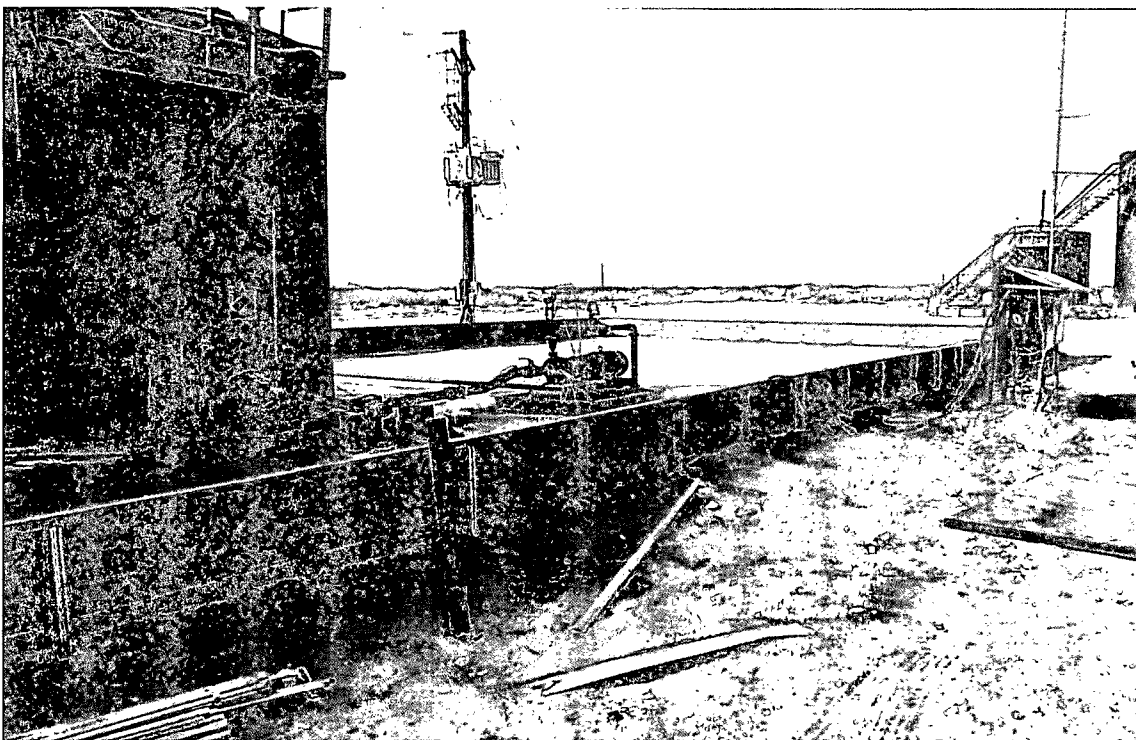
Poker Lake Unit #78 Delaware B Tank Battery - West Excavation
(Following Backfill, Looking East)



Poker Lake Unit #78 Delaware B Tank Battery - East Excavation
(Following Backfill, Looking West)



Poker Lake Unit #78 Delaware B Tank Battery - New Containment Area



Poker Lake Unit #78 Delaware B Tank Battery -
New Containment Area & Polyurethane Liner

Appendix C

Soil Boring Logs

Soil Boring SB-1

Boring SB-1

Depth
below
ground
surface

Soil
Columns

Chloride
Field Test

PID
Reading

Petroleum
Odor

Petroleum
Stain

Soil Description

Date Drilled May 25, 2010
Thickness of Bentonite Seal 45 Ft
Depth of Exploratory Boring 45 Ft bgs
Depth to Groundwater _____
Ground Water Elevation _____

0
5
10
15
20
25
30
35
40
45



>2,500

162

Moderate

Heavy

0-5' - Caliche, Tannish, dry

924

183

None

Slight

5-10' - Sand with caliche, tan, dry

527

69.4

None

None

10-15' - Sand, reddish brown, fine grained, damp

>2500

44.3

None

None

15-20' - Sand and sandstone, reddish brown, fine grained, damp

>2,500

62.3

None

None

20-25' - Sand with sandstone, tan, dry

1,244

45.9

None

None

480

55.9

None

None

25-45' - Sand, reddish brown, fine grained, dry

220

54.6

None

None

188

52.6

None

None

188

41.7

None

None

▼ Indicates the PSH level measured on _____
▼ Indicates the groundwater level measured on _____
○ Indicates samples selected for Laboratory Analysis.
PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

- 1.) The soil boring was advanced on date using air rotary drilling techniques.
- 2.) The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.

Soil Boring SB-1

BOPCO
Delaware "B" Tank Battery
Eddy County, New Mexico

Basin Environmental Consulting

Prep By: JWL

Checked By: CJB

June 24, 2010

Appendix D

Laboratory Analytical Reports



ARDINAL LABORATORIES

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

June 3, 2010

Camille Bryant
Basin Environmental Consulting, LLC.
P.O. Box 381
Lovington, NM 88260

Re: Delaware B (BOPCO)

Enclosed are the results of analyses for sample number H19993, received by the laboratory on 05/28/10 at 8:20 am.

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.

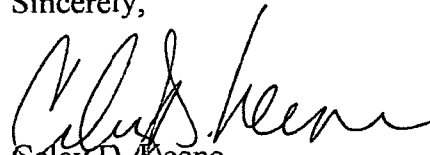
Cardinal Laboratories is accredited though the State of Colorado Department of Public Health and Environment for:

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

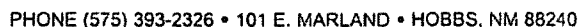
Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 4 (includes Chain of Custody)

Sincerely,



Celey D. Keene
Laboratory Director



Analysis Date: 06/01/10
Sampling Date: 05/25/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ -4°C
Sample Received By: JH
Analyzed By: HM

Note: Analyses performed on 1:4 w:v aqueous extracts.
Not accredited for Chloride.

Date 06/03/10

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 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.



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

ANALYTICAL RESULTS FOR
BASIN ENVIRONMENTAL CONSULTING, LLC
ATTN: CAMILLE BRYANT
P.O. BOX 381
LOVINGTON, NM 88260
FAX TO: (575) 396-1429

Receiving Date: 05/28/10
Reporting Date: 06/01/10
Project Owner: BOPCO
Project Name: DELAWARE B
Project Location: EDDY CO., NM


Sampling Date: 05/25/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ -4 °C
Sample Received By: JH
Analyzed By: AB/ZL

| LAB NO. | SAMPLE ID | GRO (C ₆ -C ₁₀) (mg/kg) | DRO (>C ₁₀ -C ₂₈) (mg/kg) | DRO ext. (>C ₂₈ -C ₃₅) (mg/kg) | BENZENE (mg/kg) | TOLUENE (mg/kg) | ETHYL BENZENE (mg/kg) | TOTAL XYLENES (mg/kg) |
|-----------------------------|------------|--|--|---|--------------------|--------------------|-----------------------------|-----------------------------|
| ANALYSIS DATE: | | 05/28/10 | 05/28/10 | 05/28/10 | 05/28/10 | 05/28/10 | 05/28/10 | 05/28/10 |
| H19993-2* | SB-1 @ 5' | 19.4 | 107 | <10.0 | <0.050 | 0.131 | 0.321 | 1.72 |
| H19993-5 | SB-1 @ 25' | <10.0 | 32.8 | <10.0 | <0.050 | <0.050 | <0.050 | <0.300 |
| H19993-7 | SB-1 @ 40' | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.300 |
| H19993-8 | SB-1 @ 45' | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.300 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Quality Control | | 469 | 435 | - | 0.019 | 0.020 | 0.022 | 0.066 |
| True Value QC | | 500 | 500 | - | 0.020 | 0.020 | 0.020 | 0.060 |
| % Recovery | | 93.8 | 87.0 | - | 95.0 | 100 | 110 | 110 |
| Relative Percent Difference | | 0.5 | 7.2 | - | 4.2 | 1.7 | 9.3 | 11.9 |

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B.

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES. Reported on wet weight. Not accredited for GRO/DRO/DRO ext.

*One or more TPH surrogates outside historical limits due to matrix interference.


Lab Director


Date

H19993 TPHextBTEX BASIN

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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| | | | | | | |
|---|--|--|-----------------------------|------------------|--|----------------|
| Relinquished By: 302c (Owner) | | Date: 5/28/10 | Received By: | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Phone #: |
| | | Time: 8:20 | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Fax #: |
| Relinquished By: | | Date: 5/28/10 | Received By: Jodi Jensen | | REMARKS: | |
| | | Time: 8:20 | | | | |
| Delivered By: (Circle One) | | Sample Condition | | CHECKED BY: | | |
| Sampler - UPS - Bus - Other: <u>Other</u> | | Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | (Initials) JH | | |
| -4°C | | | | | | |

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

#26

October 25, 2011

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: DELAWARE B

Enclosed are the results of analyses for samples received by the laboratory on 10/19/11 15:30.

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.

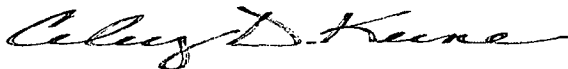
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

| | |
|------------------|------------------------------|
| 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: 10/19/2011
 Reported: 10/25/2011
 Project Name: DELAWARE B
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 10/14/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SAMPLE #1 (H102263-01)

| TPH 8015M | mg/kg | Analyzed By: AB | | | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 3200 | 50.0 | 10/22/2011 | ND | 182 | 91.1 | 200 | 3.87 | |
| DRO >C10-C28 | 7970 | 50.0 | 10/22/2011 | ND | 172 | 86.1 | 200 | 4.36 | |
| EXT DRO >C28-C35 | 640 | 50.0 | 10/22/2011 | ND | | | | | |
| <hr/> | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 128 % | 55.5-154 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 106 % | 57.6-158 | | | | | | | |

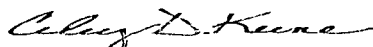
Sample ID: SAMPLE #2 (H102263-02)

| TPH 8015M | mg/kg | Analyzed By: AB | | | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 10/22/2011 | ND | 182 | 91.1 | 200 | 3.87 | |
| DRO >C10-C28 | 12.2 | 10.0 | 10/22/2011 | ND | 172 | 86.1 | 200 | 4.36 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 10/22/2011 | ND | | | | | |
| <hr/> | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 94.7 % | 55.5-154 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 101 % | 57.6-158 | | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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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: 10/19/2011
 Reported: 10/25/2011
 Project Name: DELAWARE B
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 10/14/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SAMPLE #3 (H102263-03)

| TPH 8015M | mg/kg | Analyzed By: AB | | | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 690 | 10.0 | 10/22/2011 | ND | 182 | 91.1 | 200 | 3.87 | |
| DRO >C10-C28 | 1380 | 10.0 | 10/22/2011 | ND | 172 | 86.1 | 200 | 4.36 | |
| EXT DRO >C28-C35 | 90.1 | 10.0 | 10/22/2011 | ND | | | | | |
| <hr/> | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 99.9 % | 55.5-154 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 106 % | 57.6-158 | | | | | | | |

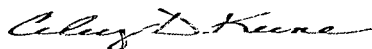
Sample ID: SAMPLE #4 (H102263-04)

| TPH 8015M | mg/kg | Analyzed By: AB | | | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 239 | 10.0 | 10/22/2011 | ND | 182 | 91.1 | 200 | 3.87 | |
| DRO >C10-C28 | 1600 | 10.0 | 10/22/2011 | ND | 172 | 86.1 | 200 | 4.36 | |
| EXT DRO >C28-C35 | 116 | 10.0 | 10/22/2011 | ND | | | | | |
| <hr/> | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 102 % | 55.5-154 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 93.0 % | 57.6-158 | | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

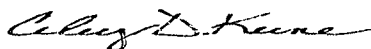
Notes and Definitions

| | |
|-----|--|
| 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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Celestine D. Keene, Lab Director/Quality Manager

[illegible]

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| | | | | | | | |
|--|--|------------------------------|--|--|--|---|--|
| Relinquished By:  | | Date: 10/19/11 Time: 3:30 | | Received By: Gadi Newson | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: | |
| Relinquished By: | | Date: Time: | | Received By: | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: | |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | | | | Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | CHECKED BY: (Initials)  | |
| REMARKS: Please email results to pm@basineqv.com @ TA3avoie@BassPet.com | | | | | | | |

November 06, 2011

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: DELAWARE B

Enclosed are the results of analyses for samples received by the laboratory on 10/20/11 16:20.

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 |

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

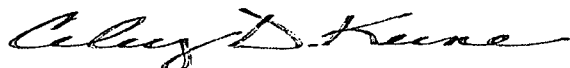
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

| | |
|------------------|------------------------------|
| 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: 10/20/2011
 Reported: 11/06/2011
 Project Name: DELAWARE B
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

 Sampling Date: 10/20/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SAMPLE 3A 10' BGS (H102279-01)

| 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 | 11/02/2011 | ND | 2.23 | 112 | 2.00 | 1.14 | |
| Toluene* | <0.050 | 0.050 | 11/02/2011 | ND | 2.17 | 109 | 2.00 | 2.23 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/02/2011 | ND | 2.12 | 106 | 2.00 | 2.41 | |
| Total Xylenes* | <0.150 | 0.150 | 11/02/2011 | ND | 6.37 | 106 | 6.00 | 3.43 | |

Surrogate: 4-Bromofluorobenzene (PII) 87.7 % 64.4-134

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: HM | | | | |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4800 | 16.0 | 11/06/2011 | ND | 464 | 116 | 400 | 3.51 | |

| TPH 8015M | | | mg/kg | | Analyzed By: AB | | | | |
|------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 10/23/2011 | ND | 181 | 90.6 | 200 | 3.21 | |
| DRO >C10-C28 | 36.6 | 10.0 | 10/23/2011 | ND | 167 | 83.5 | 200 | 3.42 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 10/23/2011 | ND | | | | | |

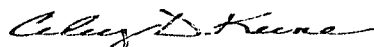
Surrogate: 1-Chlorooctane 100 % 55.5-154

Surrogate: 1-Chlorooctadecane 103 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celestine 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: | 10/20/2011 | Sampling Date: | 10/20/2011 |
| Reported: | 11/06/2011 | Sampling Type: | Soil |
| Project Name: | DELAWARE B | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | EDDY CO., NM | | |

Sample ID: SAMPLE 4A 6' BGS (H102279-02)

| TPH 8015M | mg/kg | | Analyzed By: AB | | | | | | |
|-------------------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 10/23/2011 | ND | 181 | 90.6 | 200 | 3.21 | |
| DRO >C10-C28 | <10.0 | 10.0 | 10/23/2011 | ND | 167 | 83.5 | 200 | 3.42 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 10/23/2011 | ND | | | | | |
| <hr/> | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 92.8 % | 55.5-154 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 104 % | 57.6-158 | | | | | | | |

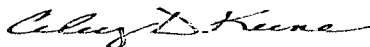
Sample ID: TANK 5 SOUTH (H102279-03)

| TPH 8015M | mg/kg | | Analyzed By: AB | | | | | | |
|-------------------------------|------------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <50.0 | 50.0 | 10/23/2011 | ND | 181 | 90.6 | 200 | 3.21 | |
| DRO >C10-C28 | 643 | 50.0 | 10/23/2011 | ND | 167 | 83.5 | 200 | 3.42 | |
| EXT DRO >C28-C35 | 104 | 50.0 | 10/23/2011 | ND | | | | | |
| <hr/> | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 99.3 % | 55.5-154 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 108 % | 57.6-158 | | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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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: 10/20/2011
 Reported: 11/06/2011
 Project Name: DELAWARE B
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

 Sampling Date: 10/20/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: TANK 4 SOUTH (H102279-04)

| TPH 8015M | mg/kg | Analyzed By: AB | | | | | S-04 | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 1440 | 100 | 10/23/2011 | ND | 181 | 90.6 | 200 | 3.21 | |
| DRO >C10-C28 | 19300 | 100 | 10/23/2011 | ND | 167 | 83.5 | 200 | 3.42 | |
| EXT DRO >C28-C35 | 1510 | 100 | 10/23/2011 | ND | | | | | |
| <hr/> | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 172 % | 55.5-154 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 95.3 % | 57.6-158 | | | | | | | |

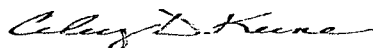
Sample ID: TANK 3 SOUTH (H102279-05)

| TPH 8015M | mg/kg | Analyzed By: AB | | | | | S-04 | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 1920 | 100 | 10/23/2011 | ND | 181 | 90.6 | 200 | 3.21 | |
| DRO >C10-C28 | 24600 | 100 | 10/23/2011 | ND | 167 | 83.5 | 200 | 3.42 | |
| EXT DRO >C28-C35 | 2030 | 100 | 10/23/2011 | ND | | | | | |
| <hr/> | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 204 % | 55.5-154 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 112 % | 57.6-158 | | | | | | | |

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

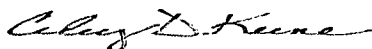
Notes and Definitions

| | |
|------|--|
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------|--------------|-------------|---|------|-----|--------|-------------------------|-----------|------------|-------|----------|-------|---|---|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: <u>Basin Environmental Service Technologies LLC</u> Project Manager: <u>Ben J Arguigo</u> Address: <u>PO Box 301</u> City: <u>Louington</u> State: <u>NM</u> Zip: <u>88260</u> Phone #: <u>(575) 396-2378</u> Fax #: <u>(575) 396-1429</u> Project #: _____ Project Owner: <u>BOPCO LP</u> Project Name: <u>Delaware B</u> Project Location: <u>EDDY, NM</u> Sampler Name: <u>Jody Walters</u> | | | | BILL TO P.O. #: _____ Company: <u>BOPCO LP</u> Attn: <u>Tony Savoie</u> Address: <u>522 W. Mesquite</u> City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88220</u> Phone #: <u>(432) 556-8730</u> Fax #: _____ | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | MATRIX | | | | PRESERV. | | SAMPLING | | | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER | ACID/BASE | ICE / COOL | OTHER | DATE | TIME | | | | | | | | | | | | | | |
| H102279 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Sample 3A 10' BGS | G | 1 | | | X | | | X | | | 10-20-11 | 10:00 | X | X | | | | | | | | | | | | |
| 2 | Sample 4A 6' BGS | G | 1 | | | X | | | X | | | 10-20-11 | 10:30 | X | X | | | | | | | | | | | | |
| 3 | Tank 5 South | G | 1 | | | X | | | X | | | 10-20-11 | 1:00 | X | X | | | | | | | | | | | | |
| 4 | Tank 4 South | G | 1 | | | X | | | X | | | 10-20-11 | 1:10 | X | X | | | | | | | | | | | | |
| 5 | Tank 3 South | G | 1 | | | X | | | X | | | 10-20-11 | 1:20 | X | X | | | | | | | | | | | | |

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| | | | | | |
|---|--|---|--|--|--|
| Relinquished By: <u>[Signature]</u> Date: <u>10/20/11</u> Time: <u>4:20</u> | | Received By: <u>Jodi Benson</u> Date: _____ Time: _____ | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No REMARKS: _____ Add'l Phone #: _____ Add'l Fax #: _____ | |
| Relinquished By: _____ Date: _____ Time: _____ | | Received By: _____ Date: _____ Time: _____ | | Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: <u>[Signature]</u> (Initials) | |

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

November 06, 2011

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: DELAWARE B

Enclosed are the results of analyses for samples received by the laboratory on 11/01/11 16:12.

Cardinal Laboratories is accredited through Texas NELAP for:

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

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

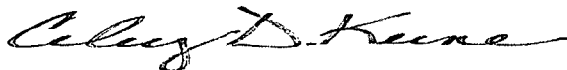
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/01/2011
 Reported: 11/06/2011
 Project Name: DELAWARE B
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

 Sampling Date: 10/31/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SAMPLE #5 (H102369-01)

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: AP | | | | |
|--------------------------------------|------------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 336 | 16.0 | 11/04/2011 | ND | 448 | 112 | 400 | 3.64 | |
| TPH 8015M | | | mg/kg | | Analyzed By: CK | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/05/2011 | ND | 162 | 81.1 | 200 | 2.02 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/05/2011 | ND | 169 | 84.6 | 200 | 5.33 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/05/2011 | ND | | | | | |
| <i>Surrogate: 1-Chlorooctane</i> | | | | | | | | | |
| | 103 % | 55.5-154 | | | | | | | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | | | | | | | |
| | 123 % | 57.6-158 | | | | | | | |

Sample ID: TANK 2 NORTH (H102369-02)

| TPH 8015M | | | mg/kg | | Analyzed By: CK | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/05/2011 | ND | 162 | 81.1 | 200 | 2.02 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/05/2011 | ND | 169 | 84.6 | 200 | 5.33 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/05/2011 | ND | | | | | |
| <i>Surrogate: 1-Chlorooctane</i> | | | | | | | | | |
| | 111 % | 55.5-154 | | | | | | | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | | | | | | | |
| | 141 % | 57.6-158 | | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 11/01/2011
Reported: 11/06/2011
Project Name: DELAWARE B
Project Number: NONE GIVEN
Project Location: EDDY CO., NM

Sampling Date: 10/31/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: TANK 4 NORTH (H102369-03)

| TPH 8015M | mg/kg | Analyzed By: CK | | | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/05/2011 | ND | 162 | 81.1 | 200 | 2.02 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/05/2011 | ND | 169 | 84.6 | 200 | 5.33 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/05/2011 | ND | | | | | |
| <hr/> | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 111 % | 55.5-154 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 130 % | 57.6-158 | | | | | | | |

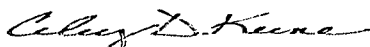
Sample ID: TANK 5 NORTH (H102369-04)

| TPH 8015M | mg/kg | Analyzed By: CK | | | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/05/2011 | ND | 162 | 81.1 | 200 | 2.02 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/05/2011 | ND | 169 | 84.6 | 200 | 5.33 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/05/2011 | ND | | | | | |
| <hr/> | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 111 % | 55.5-154 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 134 % | 57.6-158 | | | | | | | |

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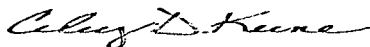
Notes and Definitions

| | |
|-----|--|
| 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

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