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REMEDIATION SUMMARY &

RISK-BASED SITE CLOSURE REQUEST

BOPCO, LP BIG EDDY UNIT DI-9 TANK BATTERY API 30-015-42008 Eddy County, New Mexico Unit Letter "P" (SE/SE), Section 21, Township 21 South, Range 30 East Latitude 32.456585° North, Longitude 103.879241° West NMOCD Reference #: 2RP-2615 & 2RP-2810

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

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TABLE OF CONTENTS

| 1.0 | INTRODUCTION & BACKGROUND INFORMATION | 1 |
|-----|--|---|
| 2.0 | NMOCD SITE CLASSIFICATION | 1 |
| 3.0 | SUMMARY OF SOIL REMEDIATION ACTIVITIES | 2 |
| 4.0 | QUALITY ASSURANCE/QUALITY CONTORL (QA/QC) PROCEDURES | 7 |
| | 4.1 Soil Sampling | 7 |
| | 4.2 Decontamination of Equipment | 7 |
| | 4.3 Laboratory Protocol. | 7 |
| 5.0 | SITE CLOSURE REQUEST | 7 |
| 6.0 | LIMITATIONS | 8 |
| 7.0 | DISTRIBUTION | 9 |
| | | |

FIGURES

Figure 1 – Site Location Map Figure 2 – Site & Sample Location Map

TABLES

Table 1 – Concentrations of Benzene, BTEX, TPH & Chloride in Soil – 11/7/2014 Release Table 2 – Concentrations of Benzene, BTEX, TPH & Chloride in Soil – 2/9/2015 Release

APPENDICES

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

- Appendix B Photographs
- Appendix C Laboratory Analytical Reports

1.0 INTRODUCTION & BACKGROUND INFORMATION

Basin Environmental Service Technologies, LLC (Basin Environmental), on behalf of BOPCO, LP (BOPCO), has prepared this *Remediation Summary & Risk-Based Site Closure Request* for the release site known as Big Eddy Unit DI-9 Tank Battery. The legal description of the release site is Unit Letter "P" (SE/SE), Section 21, Township 21 South, Range 30 East, in Eddy County, New Mexico. The geographic coordinates of the release site are 32.456585° North latitude and 103.879241° West longitude. The property affected by the release is owned by the State of New Mexico and administered by the New Mexico State Land Office (NMSLO). Subsurface mineral rights are owned by the United States Department of the Interior - Bureau of Land Management (BLM). A "Site Location Map" is provided as Figure 1.

On November 7, 2014, BOPCO discovered a release had occurred at the Big Eddy Unit (BEU) Drilling Island (DI) #9 tank battery. A gasket on the man-way plate of a heater treater associated with the BEU-DI-9 #34H production well failed, resulting in the release of approximately forty-six barrels (46 bbls) of crude oil and eighteen barrels (18 bbls) of produced water. During initial response activities, the BEU-DI-9 #34H well was temporarily shut down, and the gasket was replaced. A vacuum truck was utilized to recover approximately twenty-six barrels (26 bbls) of crude oil and ten barrels (10 bbls) of produced water.

The release was immediately reported to the New Mexico Oil Conservation Division's (NMOCD) Artesia District Office. The "Release Notification and Corrective Action" (Form C-141) indicated the release affected approximately six thousand, seven hundred fifty square feet (6,750 ft²) of the containment area surrounding the tank battery. A fine overspray affected an area of the adjacent pastureland measuring approximately three thousand, four hundred twenty-five square feet (3,425 ft²).

On February 9, 2015, following backfilling of the excavation associated with the November 7, 2014, release, a second release occurred at the site. The gasket on the man-way plate of a free-water knockout failed, resulting in the release of approximately forty barrels (40 bbls) of crude oil and thirty-seven barrels (37 bbls) of produced water. During initial response activities, the vessel was bypassed, and the gasket was replaced. A vacuum truck was utilized to recover approximately three barrels (3 bbls) of crude oil and three barrels (3 bbls) of produced water.

The release was immediately reported to the NMOCD's Artesia District Office. The Form C-141 indicated the release affected the same area impacted by the November 7, 2014, release, including the containment area surrounding the tank battery and the overspray area in the adjacent pastureland.

The releases were remediated consecutively. The Forms C-141 are provided as Appendix A. General photographs of the release site are provided as Appendix B.

2.0 NMOCD SITE CLASSIFICATION

A search of the New Mexico Water Rights Reporting System (NMWRRS) database maintained by the New Mexico Office of the State Engineer (NMOSE) indicated information was unavailable for Section 21, Township 21 South, Range 30 East. A depth to groundwater reference map utilized by the NMOCD indicates groundwater should be encountered between one hundred thirty-five feet (135') 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 BEU-DI-9 Tank Battery 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 November 12, 2014, Basin Environmental commenced delineation of the November 7, 2014, release. Three (3) hand-augered soil borings (SP #1 through SP #3) were advanced in an effort to determine the effectiveness of the bionic solution that had been applied to the floor of the containment area during its construction to mitigate the impact of potential releases. The soil borings were advanced in six-inch (6") intervals to depths ranging from approximately two and one-half (2.5) to three feet (3') bgs. Soil samples were field-screened with a chloride test kit, and confirmation samples were submitted to Cardinal Laboratories, Inc., in Hobbs, New Mexico, for analysis of TPH and chloride concentrations using the Environmental Protection Agency (EPA) analytical methods listed in Section 4.1, "Soil Sampling", below. Laboratory analytical results are summarized in Table 1, "Concentrations of Benzene, BTEX, TPH & Chloride in Soil – 11/7/2014 Release". Sample locations are depicted in Figure 2, "Site & Sample Location Map". Laboratory analytical reports are provided in Appendix C.

Soil boring SP #1 was advanced near the release point to a total depth of approximately three feet (3') bgs. Eight (8) confirmation samples (SP #1 @ Surface, SP #1 @ 6", SP #1 @ 9", SP #1 @ 12", SP #1 @ 18", SP #1 @ 24", SP #1 @ 30", and SP #1 @ 36") were submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results indicated TPH concentrations ranged from less than the laboratory method detection limit (MDL) in samples SP #1 @ 12", SP #1 @ 18", SP #1 @ 24", SP #1 @ 30", and SP #1 @ 36" to 22,310 mg/kg in sample SP #1 @ 12", SP #1 @ 18", SP #1 @ 24", SP #1 @ 30", and SP #1 @ 36" to 3,520 mg/kg in sample SP #1 @ 12", SP #1 @ 18", SP #1 @ 24", SP #1 @ 30", and SP #1 @ 36" to 3,520 mg/kg in sample SP #1 @ 6".

Soil boring SP #2 was advanced approximately fifty-six feet (56') east-northeast of the release point to a total depth of approximately two and one-half feet (2.5') bgs. Six (6) confirmation samples (SP #2 @ Surface, SP #2 @ 6", SP #2 @ 12", SP #2 @ 18", SP #2 @ 24", and SP #2 @ 30") were submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results indicated TPH concentrations ranged from less than the laboratory MDL in samples SP #2 @ 12", SP #2 @ 18", SP #2 @ 24", and SP #2 @ 30" to 25,587 mg/kg in sample SP #2 @ Surface. Chloride concentrations ranged from less than the laboratory MDL in samples SP #2 @ 6", SP #2 @ 12", SP #2 @ 18", SP #2 @ 24", and SP #2 @ 30" to 3,560 mg/kg in sample SP #2 @ Surface.

Soil boring SP #3 was advanced approximately fifty feet (50') north-northwest of the release point to a total depth of approximately three feet (3') bgs. Seven (7) confirmation samples (SP #3 @ Surface, SP #3 @ 6", SP #3 @ 12", SP #3 @ 18", SP #3 @ 24", SP #3 @ 30", and SP #3 @ 36") were submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results indicated TPH concentrations ranged from less than the laboratory MDL in samples SP #3 @ 18", SP #3 @ 24", SP #3 @ 30", and SP #3 @ 36" to 35,910 in sample SP #3 @ Surface. Chloride concentrations ranged from less than the laboratory MDL in samples SP #3 @ 24" to 1,090 mg/kg in sample SP #3 @ Surface.

Review of laboratory analytical results indicated the bionic soil solution effectively limited the vertical migration of contaminants to one foot (1') bgs or less.

On November 14, 2014, three (3) hand-augered soil borings (SP #4 through SP #6) were advanced at the site to investigate the vertical and horizontal extent of impacted soil in the affected pastureland. The soil borings were advanced in one-foot (1') intervals to depths ranging from approximately two (2) to three feet (3') bgs. Soil samples were field-screened with a chloride test kit, and confirmation samples were submitted to the laboratory for analysis of chloride and/or TPH concentrations.

Soil boring SP #4 was advanced approximately one hundred five feet (105') north-northwest of the release point to a total depth of approximately two feet (2') bgs. Three (3) confirmation samples (SP #4 @ Surface, SP #4 @ 1', and SP #4 @ 2') were submitted to the laboratory for analysis of chloride concentrations. Sample SP #4 @ 1' was also analyzed for TPH concentrations. Laboratory analytical results indicated chloride concentrations ranged from 432 mg/kg in sample SP #4 @ 2' to 7,280 mg/kg in sample SP #4 @ Surface. The TPH concentration in sample SP #4 @ 1' was less than the laboratory MDL.

Soil boring SP #5 was advanced approximately sixty feet (60') northwest of the release point to a total depth of approximately three feet (3') bgs. Three (3) confirmation samples (SP #5 @ 1', SP #5 @ 2', and SP #5 @ 3') were submitted to the laboratory for analysis of chloride concentrations. Sample SP #5 @ 1' was also analyzed for TPH concentrations. Laboratory analytical results indicated chloride concentrations ranged from 160 mg/kg in sample SP #5 @ 3' to 1,260 mg/kg in sample SP #5 @ 2'. The TPH concentration in sample SP #5 @ 1' was less than the laboratory MDL.

Soil boring SP #6 was advanced approximately fifty-five feet (55') west-northwest of the release point to a total depth of approximately two feet (2') bgs. Three (3) confirmation samples (SP #6 @ Surface, SP #6 @ 1', and SP #6 @ 2') were submitted to the laboratory for analysis of chloride

concentrations. Sample SP #6 @ 1' was also analyzed for TPH concentrations. Laboratory analytical results indicated chloride concentrations ranged from 272 mg/kg in sample SP #6 @ 1' to 12,900 mg/kg in sample SP #6 @ Surface. The TPH concentration in sample SP #6 @ 1' was less than the laboratory MDL.

On January 19, 2015, excavation of impacted soil commenced. A chloride test kit was used to field-screen the horizontal extent of impacted soil and to guide the excavation. To facilitate remediation activities, the excavation was divided into three (3) sections: Pasture, Pad, and Tank Battery. Based on field-screen results from the delineation event, the vertical extents of the excavations were limited to a depth of one foot (1') bgs. From January 19 through February 6, 2015, excavated soil was stockpiled on-site, pending final disposition.

On January 21, 2015, fourteen (14) soil samples (WW-1, WW-2, WW-3, WW-4, EW-1, EW-2, EW-3, EW-4, NW-1, SW-1, Floor 1, Floor 2, Floor 3, and Floor 4) were collected from the floor and sidewalls of the Pasture Excavation and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from less than the laboratory MDL in samples WW-2, WW-3, Floor 1, and Floor 2 to 176 mg/kg in samples WW-4 and EW-4.

On January 22, 2015, five (5) soil samples (NW #1, EW #1, SW #1, WW #1, and Floor @ 1') were collected from the floor and sidewalls of the Pad Excavation and submitted to the laboratory for analysis of chloride concentrations. Sample Floor @ 1' was also analyzed for concentrations of TPH and BTEX using the EPA analytical methods listed in Section 4.1, below. Laboratory analytical results indicated chloride concentrations ranged from 48.0 mg/kg in sample NW #1 to 112 mg/kg in sample Floor @ 1'. TPH and BTEX constituent concentrations in sample Floor @ 1' were less than the appropriate laboratory MDL.

Based on laboratory analytical results and field-screens, from January 22 through January 26, 2015, the Pasture and Pad Excavations were backfilled with locally acquired, non-impacted material, compacted, and contoured to fit the surrounding topography. Prior to backfilling, final dimensions of the Pasture Excavation were approximately one hundred twenty-eight feet (128') in length, approximately twenty-one feet (21') in width, and approximately one foot (1') in depth. Final dimensions of the Pad Excavation were fifty feet (50') in length, varying in width from approximately five feet (5') to approximately thirty-seven feet (37'), and approximately one foot (1') in depth.

The disturbed area in the pastureland will be seeded with a NMSLO-approved seed mix at a time conducive to germination.

On February 6, 2015, the Tank Battery Excavation was backfilled with locally acquired, nonimpacted material, compacted, and contoured to fit the surrounding topography. Prior to backfilling, final dimensions of the Tank Battery Excavation were approximately one hundred fifty-three feet (153') in length, ranging in width from approximately twenty-six feet (26') to approximately one hundred three feet (103'), and approximately six inches (6'') in depth.

From February 5 through February 9, 2015, approximately two hundred eighty cubic yards (280 yd³) of impacted soil was transported to Lea Land, Inc. (NMOCD Permit #WM-01-035), for disposal.

On February 9, 2015, excavation of the second release commenced. A chloride test kit was used to field-screen the vertical and horizontal extent of impacted soil and to guide the excavation. From February 9 through February 17, 2015, excavated soil was stockpiled on-site, pending final disposition.

On February 13, 2015, three (3) soil samples (Floor #1a, Floor #2b, and Floor #2c) were collected from the floor of the excavation and submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated chloride concentrations ranged from 32.0 mg/kg in sample Floor #2c to 496 mg/kg in sample Floor #1a. TPH concentrations ranged from 33.5 mg/kg in sample Floor #2c to 21,340 mg/kg in sample Floor #2b. Benzene concentrations ranged from less than the laboratory MDL in samples Floor #1a and Floor #2c to 10.3 mg/kg in sample Floor #2b. Total BTEX concentrations ranged from less than the laboratory MDL in samples Floor #1a to 313 mg/kg in sample Floor #2b. Laboratory analytical results are summarized in Table 2, "Concentrations of Benzene, BTEX, TPH & Chloride in Soil – 2/9/2015 Release". Sample locations are depicted in Figure 2, "Site & Sample Location Map". Laboratory analytical reports are provided in Appendix C.

Review of laboratory analytical results indicated additional excavation was required in the area represented by sample Floor #2b.

Five (5) hand-augered soil borings (SP #1 through SP #5) were also advanced at the site to investigate the horizontal and vertical extent of impacted soil. The soil borings were advanced in six-inch (6") to one-foot (1") intervals to depths ranging from approximately six inches (6") to eleven feet (11") bgs. Soil samples were field-screened with a chloride test kit, and confirmation samples were submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations.

Soil boring SP #1 was advanced approximately thirty feet (30') south-southwest of the release point to a total depth of approximately six inches (6") bgs. One (1) confirmation sample (SP #1 @ 6") was submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated the chloride concentration was 64.0 mg/kg. TPH and benzene concentrations were less than the appropriate laboratory MDL. The total BTEX concentration was 0.059 mg/kg.

Soil boring SP #2 was advanced approximately twenty feet (20') southwest of the release point to a total depth of approximately six inches (6") bgs. One (1) confirmation sample (SP #2 @ 6") was submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated the chloride concentration was 576 mg/kg, the TPH concentration was 15,480 mg/kg, the benzene concentration was 8.62 mg/kg, and the total BTEX concentration was 246 mg/kg.

Soil boring SP #3 was advanced approximately sixteen feet (16') south-southwest of the release point to a total depth of approximately eleven feet (11') bgs. Three (3) confirmation samples (SP #3 @ 8', SP #3 @ 9', and SP #3 @ 11') were submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated chloride concentrations ranged from 128 mg/kg in sample SP #3 @ 11' to 416 mg/kg in sample SP #3 @ 8'. TPH concentrations ranged from 42.8 mg/kg in sample SP #3 @ 8' to 246 mg/kg in sample SP #3 @ 9'. Benzene concentrations ranged from less than the laboratory MDL in samples SP #3 @ 8' and SP

#3 @ 9' to 0.263 mg/kg in sample SP #3 @ 8'. Total BTEX concentrations ranged from less than the laboratory MDL in sample SP #3 @ 11' to 1.97 mg/kg in sample SP #3 @ 8'.

Soil boring SP #4 was advanced approximately forty-three feet (43') south-southeast of the release point to a total depth of approximately one and one-half feet (1.5') bgs. One (1) confirmation sample (SP #4 @ 1.5') was submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated chloride, TPH, and benzene concentrations were less than the appropriate laboratory MDL. The total BTEX concentration was 0.103mg/kg.

Soil boring SP #5 was advanced approximately thirty-three feet (33') south of the release point to a total depth of approximately four feet (4') bgs. One (1) confirmation sample (SP #4 @ 4') was submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated the chloride concentration was 112 mg/kg, the TPH concentration was 712 mg/kg, the benzene concentration was 0.766 mg/kg, and the total BTEX concentration was 15.8 mg/kg.

Review of laboratory analytical results indicated additional excavation was required in the areas represented by samples Floor #2b and SP #2 @ 6".

On February 16, 2015, the excavation was advanced in the area represented by sample Floor #2b, and two (2) soil samples (Floor #2b @ 2' and Floor #3 @ 1') were collected from the floor of the excavation and submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated chloride concentrations ranged from less than the laboratory MDL in sample Floor #3 @ 1' to 32.0 mg/kg in sample Floor #2b @ 2'. TPH and BTEX constituent concentrations were less than the appropriate laboratory MDL in both samples.

Hand-augered soil boring SP #3 was re-entered and advanced to approximately twelve and onehalf feet (12.5') bgs. The soil boring was advanced in six-inch (6") to one-foot (1') intervals, and soil samples were field-screened with a chloride test kit. One (1) confirmation sample (SP #3 @ 12.5') was submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated the chloride concentration was 112 mg/kg, and the TPH concentration was 76.7 mg/kg. BTEX constituent concentrations were less than the appropriate laboratory MDL.

On February 24, 2015, the excavation was advanced in the area represented by sample SP #2 @ 6", and hand-augered soil boring SP #2 was re-entered and advanced to approximately six feet (6') bgs. The soil boring was advanced in one-foot (1') intervals, and soil samples were field-screened with a chloride test kit. Three (3) confirmation samples (SP #2 @ 2' bgs, SP #2 @ 4' bgs, and SP #2 @ 6' bgs) were submitted to the laboratory for analysis of chloride and TPH concentrations. Laboratory analytical results indicated chloride concentrations ranged from less than the laboratory MDL in samples SP #2 @ 4' bgs and SP #2 @ 6' bgs to 112 mg/kg in sample SP #2 @ 2' bgs. TPH concentrations ranged from less than the laboratory MDL in samples SP #2 @ 4' bgs and SP #2 @ 6' bgs to 3,633 mg/kg in sample SP #2 @ 2' bgs.

On February 25, 2015, the stockpiled soil was aerated to facilitate natural attenuation and offgassing of contaminants. One (1) composite soil sample (Stockpile) was collected from the stockpiled material and submitted to the laboratory for analysis of chloride and TPH concentrations. Laboratory analytical results indicated the chloride concentration was 544 mg/kg, and the TPH concentration was 6,515 mg/kg.

Soil represented by sample Stockpile was deemed unsuitable for use as backfill material. From March 3 through March 4, 2015, approximately two hundred twenty cubic yards (220 yd³) of impacted soil was transported to Lea Land, Inc., for disposal. Total hauled to Lea Land, Inc. for the two consecutive spills was approximately 500 cubic yards or 465 tons.

Based on laboratory analytical results and field-screens, from March 3 through March 4, 2015, the excavation was backfilled with locally acquired, non-impacted material, compacted, and contoured to fit the surrounding topography. Prior to backfilling, a layer of clay was installed on the floor of the excavation to help mitigate potential releases. Final dimensions of the excavation were approximately one hundred one feet (101') in length, varying in width from approximately thirty feet (30') to approximately eighy-two feet (82'), and varying in width from approximately six inches (6") to approximately two feet (2') bgs.

4.0 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) PROCEDURES

4.1 Soil Sampling

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

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

4.2 Decontamination of Equipment

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

4.3 Laboratory Protocol

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

5.0 SITE CLOSURE REQUEST

Soil samples collected from the floors and sidewalls of the Pasture and Pad Excavations at the BEU-DI-9 Tank Battery remediation site were analyzed by an NMOCD-approved laboratory, and concentrations of chloride, TPH, and BTEX were below the recommended remediation action levels (RRALs) established for the site by the NMOCD.

The impacted areas inside the containment area were remediated to the extent practicable to preserve the structural integrity of the on-site tanks, pipes, and appurtenances. Laboratory

analytical results of soil samples collected from the floors of the excavations indicated concentrations of chloride, TPH, and BTEX were below the RRALs established for the site. A layer of clay was installed on the floor of the February 9, 2015, release excavation to help mitigate potential releases. Impacted soil remaining in-situ will be remediated upon decommission and/or abandonment of the currently active tank battery.

Basin Environmental recommends BOPCO provide the NMOCD Artesia District Office, the NMSLO, and the BLM a copy of this *Remediation Summary & Risk-Based Site Closure Request* and request the NMOCD grant site closure to the BEU-DI-9 Tank Battery release sites.

6.0 LIMITATIONS

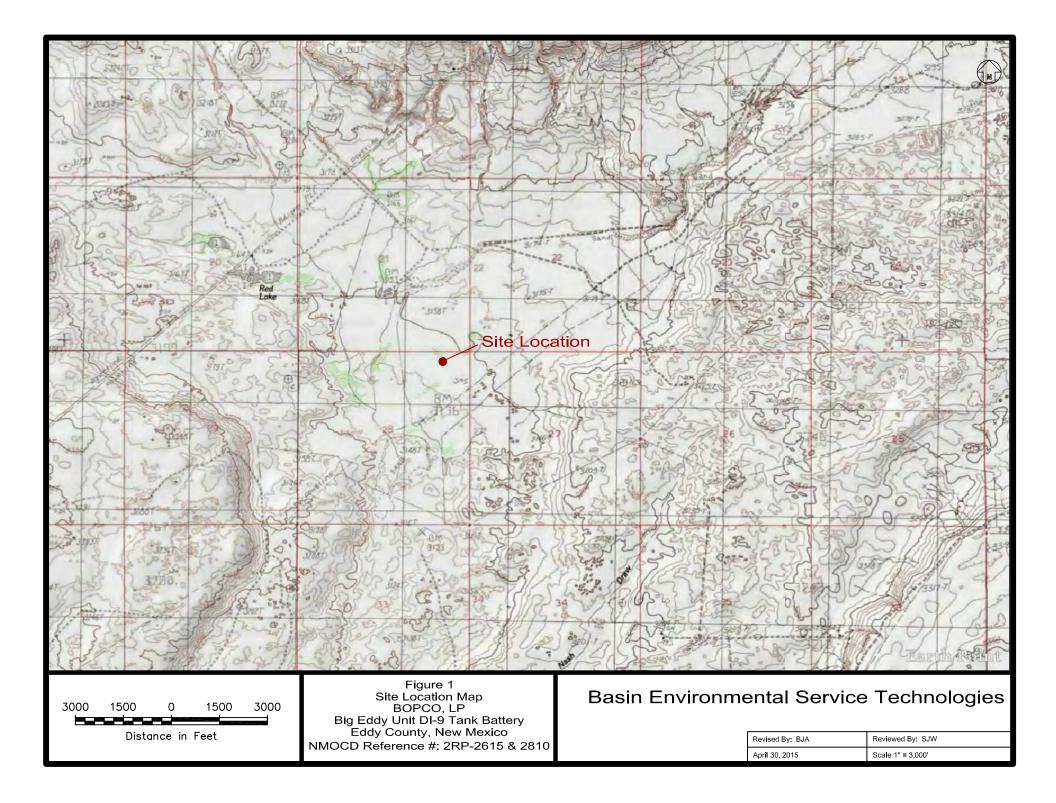
Basin Environmental Service Technologies, LLC, has prepared this *Remediation Summary & Risk-Based Site Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Basin Environmental has examined and relied upon documents referenced in the report and on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

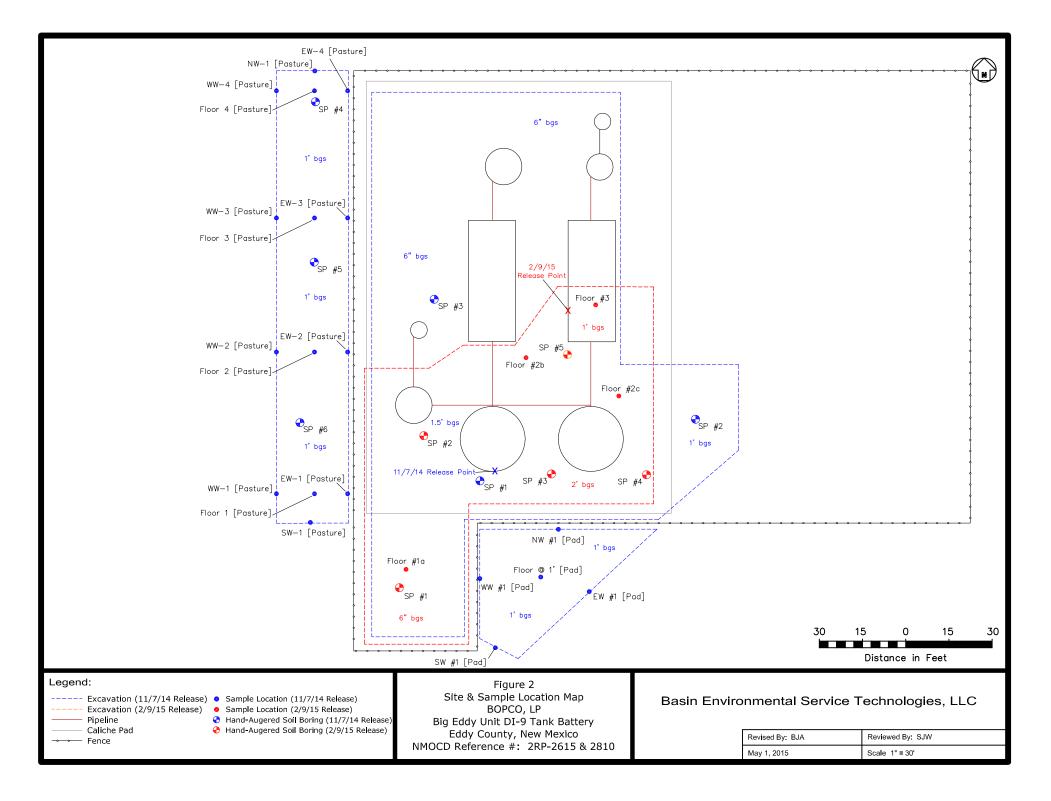
This report has been prepared for the benefit of BOPCO, LP. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Basin Environmental Service Technologies, LLC, and/or BOPCO, LP.

7.0 DISTRIBUTION:

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Figures





Tables

TABLE 1 CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL - 11/7/2014 RELEASE

BOPCO, LP BIG EDDY UNIT DI-9 TANK BATTERY EDDY COUNTY, NEW MEXICO NMOCD REFERENCE #: 2RP-2615

| | | METHOD: EPA SW 846-8021B, 5030 | | | | | METHOD: 8015M | | | | 4500 CI-B | | |
|--------------------|--------------------------|--------------------------------|----------------|--------------------|--------------------|------------------------------|-----------------------------|--------------------------|---|--|-----------|---|---------------------|
| SAMPLE LOCATION | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | BENZENE (mg/Kg) | TOLUENE (mg/Kg) | ETHYL- BENZENE (mg/Kg) | TOTAL XYLENES (mg/Kg) | TOTAL BTEX (mg/Kg) | GRO C ₆ -C ₁₂ (mg/Kg) | DRO C ₁₂ -C ₂₈ (mg/Kg) | | TPH C ₆ -C ₃₅ (mg/Kg) | CHLORIDE (mg/Kg) |
| SP #1 @ Surface | Surface | 11/12/2014 | Excavated | - | - | - | - | - | 3,210 | 16,600 | 2,500 | 22,310 | 992 |
| SP #1 @ 6" | 0.5' | 11/12/2014 | Excavated | - | - | - | - | - | 4,300 | 13,600 | 1,990 | 19,890 | 3,520 |
| SP #1 @ 9" | 0.75' | 11/12/2014 | In-Situ | - | - | - | - | - | 12.7 | 16.2 | <10.0 | 28.9 | 416 |
| SP #1 @ 12" | 1' | 11/12/2014 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| SP #1 @ 18" | 1.5' | 11/12/2014 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| SP #1 @ 24" | 2' | 11/12/2014 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| SP #1 @ 30" | 2.5' | 11/12/2014 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| SP #1 @ 36" | 3' | 11/12/2014 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| SP #2 @ Surface | Surface | 11/12/2014 | Excavated | - | - | - | - | - | 977 | 21,100 | 3,510 | 25,587 | 3,560 |
| SP #2 @ 6" | 0.5' | 11/12/2014 | Excavated | - | - | - | - | - | 293 | 1060 | 139 | 1,492 | <16.0 |
| SP #2 @ 12" | 1' | 11/12/2014 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| SP #2 @ 18" | 1.5' | 11/12/2014 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| SP #2 @ 24" | 2' | 11/12/2014 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| SP #2 @ 30" | 2.5' | 11/12/2014 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| SP #3 @ Surface | Surface | 11/12/2014 | Excavated | - | - | - | - | - | 2,600 | 29,000 | 4,310 | 35,910 | 1,090 |
| SP #3 @ 6" | 0.5' | 11/12/2014 | In-Situ | - | - | - | - | - | 25.4 | 311 | 36.2 | 373 | 784 |
| SP #3 @ 12" | 1' | 11/12/2014 | In-Situ | - | - | - | - | - | <10.0 | 44.2 | <10.0 | 44.2 | 80.0 |
| SP #3 @ 18" | 1.5' | 11/12/2014 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| SP #3 @ 24" | 2' | 11/12/2014 | In-Situ | - | - | _ | _ | - | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| SP #3 @ 30" | 2.5' | 11/12/2014 | In-Situ | - | - | _ | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 64.0 |
| SP #3 @ 36" | 3' | 11/12/2014 | In-Situ | - | - | _ | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 96.0 |
| | | | | | | | | | | | | | |
| SP #4 @ Surface | Surface | 11/14/2014 | Excavated | - | - | - | - | - | - | - | - | - | 7,280 |
| SP #4 @ 1' | 1' | 11/14/2014 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 560 |
| SP #4 @ 2' | 2' | 11/14/2014 | In-Situ | - | - | - | - | - | - | - | - | - | 432 |
| SP #5 @ 1' | 1' | 11/14/2014 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 800 |
| SP #5 @ 2' | 2' | 11/14/2014 | In-Situ | - | - | - | - | - | - | - | - | - | 1.260 |
| SP #5 @ 3' | 3' | 11/14/2014 | In-Situ | - | - | - | - | - | - | - | - | - | 160 |
| SP #6 @ Surface | Surface | 11/14/2014 | Excavated | - | - | _ | - | - | - | - | - | - | 12,900 |
| SP #6 @ 1' | 1' | 11/14/2014 | In-Situ | - | - | _ | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 272 |
| SP #6 @ 2' | 2' | 11/14/2014 | In-Situ | - | - | - | - | - | - | - | - | - | 288 |
| | | | | | | | | | | | | | |
| WW-1 [Pasture] | 0.5' | 1/21/2015 | In-Situ | - | - | - | - | - | - | - | - | - | 32.0 |
| WW-2 [Pasture] | 0.5' | 1/21/2015 | In-Situ | - | - | - | - | - | - | - | - | - | <16.0 |
| WW-3 [Pasture] | 0.5' | 1/21/2015 | In-Situ | - | - | - | - | - | - | - | - | - | <16.0 |
| WW-4 [Pasture] | 0.5' | 1/21/2015 | In-Situ | - | - | - | - | - | - | - | - | - | 176 |
| EW-1 [Pasture] | 0.5' | 1/21/2015 | In-Situ | - | - | - | - | - | - | - | - | - | 48.0 |
| EW-2 [Pasture] | 0.5' | 1/21/2015 | In-Situ | - | - | - | - | - | - | - | - | - | 64.0 |
| EW-3 [Pasture] | 0.5' | 1/21/2015 | In-Situ | - | - | - | - | - | - | - | - | - | 96.0 |

TABLE 1 CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL - 11/7/2014 RELEASE

BOPCO, LP BIG EDDY UNIT DI-9 TANK BATTERY EDDY COUNTY, NEW MEXICO NMOCD REFERENCE #: 2RP-2615

| | | | | | METHOD: EPA SW 846-8021B, 5030 | | | | | METHOD: 8015M | | | 4500 CI-B |
|--------------------|--------------------------|-----------|---------|--------------------|--------------------------------|------------------------------|-----------------------------|--------------------------|---|--|--|--------------------------|---------------------|
| SAMPLE LOCATION | SAMPLE DEPTH (BGS) | | | BENZENE (mg/Kg) | TOLUENE (mg/Kg) | ETHYL- BENZENE (mg/Kg) | TOTAL XYLENES (mg/Kg) | TOTAL BTEX (mg/Kg) | GRO C ₆ -C ₁₂ (mg/Kg) | DRO C ₁₂ -C ₂₈ (mg/Kg) | ORO C ₂₈ -C ₃₅ (mg/Kg) | TPH C₀-C₃₅ (mg/Kg) | CHLORIDE (mg/Kg) |
| EW-4 [Pasture] | 0.5' | 1/21/2015 | In-Situ | - | - | - | - | - | - | - | - | - | 176 |
| NW-1 [Pasture] | 0.5' | 1/21/2015 | In-Situ | - | - | - | - | - | - | - | - | - | 32.0 |
| SW-1 [Pasture] | 0.5' | 1/21/2015 | In-Situ | - | - | - | - | - | - | - | - | - | 32.0 |
| Floor 1 [Pasture] | 1' | 1/21/2015 | In-Situ | - | - | - | - | - | - | - | - | - | <16.0 |
| Floor 2 [Pasture] | 1' | 1/21/2015 | In-Situ | - | - | - | - | - | - | - | - | - | <16.0 |
| Floor 3 [Pasture] | 1' | 1/21/2015 | In-Situ | - | - | - | - | - | - | - | - | - | 48.0 |
| Floor 4 [Pasture] | 1' | 1/21/2015 | In-Situ | - | - | - | - | - | - | - | - | - | 64.0 |
| NW #1 [Pad] | 0.5' | 1/22/2015 | In-Situ | - | - | - | - | - | - | - | - | - | 48.0 |
| EW #1 [Pad] | 0.5' | 1/22/2015 | In-Situ | - | - | - | - | - | - | - | - | - | 96.0 |
| SW #1 [Pad] | 0.5' | 1/22/2015 | In-Situ | - | - | - | - | - | - | - | - | - | 80.0 |
| WW #1 [Pad] | 0.5' | 1/22/2015 | In-Situ | - | - | - | - | - | - | - | - | - | 80.0 |
| Floor @ 1' [Pad] | 1' | 1/22/2015 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | < 0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 112 |
| NMOCD Recommend | 10 | | | | 50 | | | | 5,000 | 1,000 | | | |

- = Not analyzed.

TABLE 2 CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL - 2/9/2015 RELEASE

BOPCO, LP BIG EDDY UNIT DI-9 TANK BATTERY EDDY COUNTY, NEW MEXICO NMOCD REFERENCE #: 2RP-2810

| | | | | | METHOD: EPA SW 846-8021B, 5030 | | | | | METHOD: 8015M | | | 4500 CI-B |
|--------------------|--------------------------|-----------------|----------------|--------------------|--------------------------------|------------------------------|-----------------------------|--------------------------|---|--|--|--------------------------|---------------------|
| SAMPLE LOCATION | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | BENZENE (mg/Kg) | TOLUENE (mg/Kg) | ETHYL- BENZENE (mg/Kg) | TOTAL XYLENES (mg/Kg) | TOTAL BTEX (mg/Kg) | GRO C ₆ -C ₁₂ (mg/Kg) | DRO C ₁₂ -C ₂₈ (mg/Kg) | ORO C ₂₈ -C ₃₅ (mg/Kg) | TPH C₀-C₃₅ (mg/Kg) | CHLORIDE (mg/Kg) |
| Floor #1a | 0.5' | 2/13/2015 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 40.4 | 11.9 | 52.3 | 496 |
| Floor #2b | 1' | 2/13/2015 | Excavated | 10.3 | 103 | 18.0 | 181 | 313 | 4,930 | 14,400 | 2,010 | 21,340 | 240 |
| Floor #2c | 1.5' | 2/13/2015 | In-Situ | <0.050 | 0.161 | <0.050 | <0.150 | 0.161 | 11.4 | 22.1 | <10.0 | 33.5 | 32.0 |
| SP #1 @ 6" | 0.5' | 2/13/2015 | In-Situ | <0.050 | 0.059 | <0.050 | <0.150 | 0.059 | <10.0 | <10.0 | <10.0 | <10.0 | 64.0 |
| SP #2 @ 6" | 0.5' | 2/13/2015 | Excavated | 8.62 | 85.8 | 26.6 | 125 | 246 | 3,440 | 10,500 | 1,540 | 15,480 | 576 |
| SP #3 @ 8' | 8' | 2/13/2015 | In-Situ | 0.263 | 1.02 | 0.135 | 0.549 | 1.97 | 16.1 | 26.7 | <10.0 | 42.8 | 416 |
| SP #3 @ 9' | 9' | 2/13/2015 | In-Situ | < 0.050 | 0.231 | 0.076 | 0.451 | 0.758 | 18.6 | 194 | 33.7 | 246 | 208 |
| SP #3 @ 11' | 11' | 2/13/2015 | In-Situ | < 0.050 | < 0.050 | < 0.050 | <0.150 | <0.300 | 10.3 | 111 | 17.9 | 139 | 128 |
| SP #4 @ 1.5' | 1.5' | 2/13/2015 | In-Situ | < 0.050 | 0.052 | 0.051 | <0.150 | 0.103 | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| SP #5 @ 4' | 4' | 2/13/2015 | In-Situ | 0.766 | 6.53 | 1.59 | 6.95 | 15.8 | 121 | 515 | 76.0 | 712 | 112 |
| | | | | | | | | | | | | | |
| SP #3 @ 12.5' | 12.5' | 2/16/2015 | In-Situ | < 0.050 | < 0.050 | < 0.050 | <0.150 | <0.300 | 11.0 | 65.7 | <10.0 | 76.7 | 112 |
| Floor #2b @ 2' | 2' | 2/16/2015 | In-Situ | < 0.050 | < 0.050 | < 0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 32.0 |
| Floor #3 @ 1' | 1' | 2/16/2015 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| | | | | | | | | | | | | | |
| SP #2 @ 2' bgs | 2' | 2/24/2015 | In-Situ | - | - | - | - | - | 603 | 2,660 | 370 | 3,633 | 112 |
| SP #2 @ 4' bgs | 4' | 2/24/2015 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| SP #2 @ 6' bgs | 6' | 2/24/2015 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| | | | | | | | | | | | | | |
| Stockpile | N/A | 2/26/2015 | Stockpiled | - | - | - | - | - | 857 | 4920 | 738 | 6,515 | 544 |
| | | | | | | | | | | | | | |
| NMOCD Recomm | ended Remo | ediation Action | on Level | 10 | | | | 50 | | | | 5,000 | 1,000 |

- = Not analyzed.

Appendices

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

| 1625 N. French Dr., Hobbs, NM 88240 Energy Minera District II Energy Minera 811 S. First St., Artesia, NM 88210 Oil Cons District III 000 Rio Brazos Road, Aztec, NM 87410 01220 Sot District IV 1220 Sot | of New Mexico Is and Natural Resources servation Division uth St. Francis Dr. Fe, NM 87505 | | | | | |
|---|--|--|--|--|--|--|
| | on and Corrective Action | | | | | |
| NAB1432355958 | OPERATOR Initial Report Final Report | | | | | |
| Name of Company: BOPCO, L.P. 200737 | Contact: Tony Savoie | | | | | |
| Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220 | Telephone No. 575-887-7329 | | | | | |
| Facility Name: Big Eddy Unit DI-9 Tank Battery (Vessel for #34H) | Facility Type: Exploration and Production | | | | | |
| Surface Owner: State Mineral Owne | r: State and Federal API No. 30-015-42008 | | | | | |
| | ON OF RELEASE | | | | | |
| | th/South Line Feet from the East/West Line County: Eddy | | | | | |
| | | | | | | |
| Latitude_N 32.4565 | 585_Longitude_W 103.879241 | | | | | |
| | E OF RELEASE | | | | | |
| Type of Release: Crude oil and produced water | Volume of Release: 46 bbls crudeVolume Recovered: 26 bbls crude oil andoil and 18 bbls produced water10 bbls produced water | | | | | |
| Source of Release: Heater-treater | Date and Hour of Occurrence: Date and Hour of Discovery: 11/7/14 at | | | | | |
| Westwood into Nation Civer 9 | 11/7/14 at approx. 8:00 p.m. approx. 9:00 p.m. | | | | | |
| Was Immediate Notice Given? | If YES, To Whom? d M. Bratcher and H. Patterson (via e-mail) | | | | | |
| By Whom? Tony Savoie | Date and Hour: 11/8/14 at 2:51 p.m. | | | | | |
| Was a Watercourse Reached? | If YES, Volume Impacting the Watercourse. | | | | | |
| | NM OIL CONSERVATION ARTESIA DISTRICT | | | | | |
| If a Watercourse was Impacted, Describe Fully.* | NOV 1 8 2014 | | | | | |
| | | | | | | |
| Describe Cause of Problem and Remedial Action Taken.* A gasket failed on the heater-treater man-way plate. The well was shut i truck. | n and the gasket was replaced. All free standing fluid was removed with a vacuum | | | | | |
| samples were collected at 6" intervals to a depth of 3 ft. to check for oil pasture. Soil samples were collected and field tested for chloride saturat The impacted area will be cleaned up in accordance to the NMOCD rem | | | | | | |
| regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report by t should their operations have failed to adequately investigate and remedia | the best of my knowledge and understand that pursuant to NMOCD rules and notifications and perform corrective actions for releases which may endanger he NMOCD marked as "Final Report" does not relieve the operator of liability ate contamination that pose a threat to ground water, surface water, human health does not relieve the operator of responsibility for compliance with any other | | | | | |
| | OIL CONSERVATION DIVISION | | | | | |
| Signature: Tay Dalere | Signed By Mile Bremenus | | | | | |
| Printed Name: Tony Savoie | Approved by Environmental Specialist: | | | | | |
| Title: Waste Management and Remediation Specialist | Approval Date: 1110114 Expiration Date: N/A | | | | | |
| E-mail Address: tasavoie@basspet.com | Conditions of Approval: | | | | | |
| Date: 11/18/14 Phone: 432-556-8730 | Remediation per O.C.D. Rules & Guidelines | | | | | |
| Date: 178/14 Phone: 432-556-8730 Attach Additional Sheets If Necessary | SUBMIT REMEDIATION PROPOSAL NO | | | | | |
| · · · · · · · · · · · · · · · · · · · | LATER THAN: 12/14/14 2RP 2615 | | | | | |

State of New Mexico Energy Minerals and Natural Resources

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

NM OIL CONSERVATION

ARTESIA DISTRICT Form C-141 Revised August 8, 2011

FEB 1 2 2015 Submit T Copy to appropriate District Office in accordance with 19.15.29 NMAC.

RECEIVED

Release Notification and Corrective Action

| NAB1504752023 | OPERATOR | 🛛 Initial Report | Final Report |
|--|--------------------------------|------------------|--------------|
| Name of Company: BOPCO, L.P. 200737 | Contact: Tony Savoie | | |
| Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220 | Telephone No. 575-887-7329 | | |
| Facility Name: Big Eddy Unit DI-9 Tank Battery (Vessel for | Facility Type: Exploration and | Production | |
| #34H) FWKO | | | |
| | | | |

| Surface Owner: State | | | Mineral C | Owner: State and Fe | deral | API No. 30-015-42008 | | | | |
|-----------------------|---------------------|-------|---------------|---------------------|---------------|----------------------|---------|--|--|--|
| | LOCATION OF RELEASE | | | | | | | | | |
| | | | | | | | | | | |
| Unit Letter Section | Townshin | Range | Feet from the | North/South Line | Feet from the | East/West Line | County. | | | |

| Unit Letter P | 21 | Township 21S | Range 30E | Feet from the | North/South Line | Feet from the | East/West Line | Eddy | |
|------------------|----|-----------------|--------------|---------------|------------------|---------------|----------------|------|--|
|------------------|----|-----------------|--------------|---------------|------------------|---------------|----------------|------|--|

Latitude N 32.456585 Longitude W 103.879241

NATURE OF RELEASE Volume of Release: 40 bbls crude Type of Release: Crude oil and produced water Volume Recovered: 3 bbls crude oil and oil and 37 bbls produced water 2 bbls produced water Source of Release: Heater-treater Date and Hour of Occurrence: Date and Hour of Discovery: 2/9/15 at 2/9/15 time unknown approx. 8:29 a.m. Was Immediate Notice Given? If YES, To Whom? Yes I No Not Required Heather Patterson, in person. Date and Hour: 2/9/15 at 10:20 a.m. By Whom? Tony Savoie Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. ☐ Yes ⊠ No

If a Watercourse was Impacted, Describe Fully,*

Describe Cause of Problem and Remedial Action Taken.*

A gasket failed on the free water knock out man-way plate. The vessel was by-passed and the gasket was replaced. All free standing fluid was removed with a vacuum truck.

Describe Area Affected and Cleanup Action Taken.*

The spill impacted an area that had just been backfilled on a remediation for spill reference 2RP-2615. Basin Environmental and a roustabout crew started removing the impacted soil the day of discovery. The equipment has been washed-down; the misted pasture area will be washed and treated with microblaze. The remediation activity will continue until the site meets the NMOCD remediation requirements established in the original remediation plan.

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: (Ony Some | |
| Printed Name: Tony Savoie | Approved by Environmental Specialist: The Man |
| Title: Waste Management and Remediation Specialist | Approval Date: 2112115 Expiration Date: N/A |
| E-mail Address: tasavoie@basspet.com | Conditions of Approval: Remediation per O.C.D. Rules & Guideline Stached |
| Date: 2/12/15 Phone: 432-556-8730 | Remediation per O.C.D. Rules & Guideling Hached SUBMIT REMEDIATION PROPOSAL NO LATER THAN: 3112112 200-2810 |
| Attach Additional Sheets If Necessary | LATER THAN: 28P-2810 |

Appendix B Photographs



Big Eddy Unit DI-9 Tank Battery – 11/7/2014 Release



Big Eddy Unit DI-9 Tank Battery - 11/7/2014 Release



Big Eddy Unit DI-9 Tank Battery – 11/7/2014 Release



Big Eddy Unit DI-9 Tank Battery – 11/7/2014 Release



Big Eddy Unit DI-9 Tank Battery – 11/7/2014 Release



Big Eddy Unit DI-9 Tank Battery – 11/7/2014 Release



Big Eddy Unit DI-9 Tank Battery - 11/7/2014 Release



Big Eddy Unit DI-9 Tank Battery - Tank Battery Excavation, 11/7/2014 Release



Big Eddy Unit DI-9 Tank Battery - Tank Battery Excavation, 11/7/2014 Release



Big Eddy Unit DI-9 Tank Battery - Tank Battery Excavation, 11/7/2014 Release



Big Eddy Unit DI-9 Tank Battery - Tank Battery Excavation, 11/7/2014 Release



Big Eddy Unit DI-9 Tank Battery - Tank Battery Excavation, 11/7/2014 Release



Big Eddy Unit DI-9 Tank Battery - Pasture Excavation, 11/7/2014 Release



Big Eddy Unit DI-9 Tank Battery - Pasture Excavation, 11/7/2014 Release



Big Eddy Unit DI-9 Tank Battery - Pad Excavation, 11/7/2014 Release



Big Eddy Unit DI-9 Tank Battery - Pad Excavation, 11/7/2014 Release



Big Eddy Unit DI-9 Tank Battery - Pasture Excavation, 11/7/2014 Release (During Backfill)



Big Eddy Unit DI-9 Tank Battery - Pasture Excavation, 11/7/2014 Release (Following Backfill)



Big Eddy Unit DI-9 Tank Battery - Tank Battery Excavation, 11/7/2014 Release (2/6/2015, Following Backfill)



Big Eddy Unit DI-9 Tank Battery - Tank Battery Excavation, 11/7/2014 Release (2/6/2015, Following Backfill)



Big Eddy Unit DI-9 Tank Battery – 2/9/2015 Release



Big Eddy Unit DI-9 Tank Battery – 2/9/2015 Release



Big Eddy Unit DI-9 Tank Battery – 2/9/2015 Release



Big Eddy Unit DI-9 Tank Battery – 2/9/2015 Release



Big Eddy Unit DI-9 Tank Battery – 2/9/2015 Release



Big Eddy Unit DI-9 Tank Battery – 2/9/2015 Release



Big Eddy Unit DI-9 Tank Battery – 2/9/2015 Release



Big Eddy Unit DI-9 Tank Battery – Excavation, 2/9/2015 Release



Big Eddy Unit DI-9 Tank Battery – Excavation, 2/9/2015 Release



Big Eddy Unit DI-9 Tank Battery – Excavation, 2/9/2015 Release



Big Eddy Unit DI-9 Tank Battery – Excavation, 2/9/2015 Release



Big Eddy Unit DI-9 Tank Battery – Installation of Clay Liner, 2/9/2015 Release



Big Eddy Unit DI-9 Tank Battery – Installation of Clay Liner, 2/9/2015 Release



Big Eddy Unit DI-9 Tank Battery – Installation of Clay Liner, 2/9/2015 Release



Big Eddy Unit DI-9 Tank Battery - Excavation, 2/9/2015 Release (During Backfill)



Big Eddy Unit DI-9 Tank Battery – Excavation, 2/9/2015 Release (Following Backfill)



Big Eddy Unit DI-9 Tank Battery – Excavation, 2/9/2015 Release (Following Backfill)



Big Eddy Unit DI-9 Tank Battery – Excavation, 2/9/2015 Release (Following Backfill)

Appendix C Laboratory Analytical Reports



November 14, 2014

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: BEU DI #9

Enclosed are the results of analyses for samples received by the laboratory on 11/13/14 11:15.

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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

| Received: | 11/13/2014 | Sampling Date: | 11/12/2014 |
|-------------------|-----------------|---------------------|----------------|
| Reported: | 11/14/2014 | Sampling Type: | Soil |
| Project Name: | BEU DI #9 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Celey D. Keene |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SP #1 @ SURFACE (H403488-01)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 992 | 16.0 | 11/14/2014 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: ms | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 3210 | 50.0 | 11/13/2014 | ND | 199 | 99.4 | 200 | 2.34 | |
| DRO >C10-C28 | 16600 | 50.0 | 11/13/2014 | ND | 210 | 105 | 200 | 1.53 | |
| EXT DRO >C28-C35 | 2500 | 50.0 | 11/13/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 349 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 390 | % 52.1-17 | 6 | | | | | | |

Sample ID: SP #1 @ 6" (H403488-02)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AP | | | | | |
|-------------------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3520 | 16.0 | 11/14/2014 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/kg | | Analyzed By: ms | | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 4300 | 50.0 | 11/13/2014 | ND | 199 | 99.4 | 200 | 2.34 | |
| DRO >C10-C28 | 13600 | 50.0 | 11/13/2014 | ND | 210 | 105 | 200 | 1.53 | |
| EXT DRO >C28-C35 | 1990 | 50.0 | 11/13/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 228 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 345 | % 52.1-17 | 6 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine



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

| Received: | 11/13/2014 | Sampling Date: | 11/12/2014 |
|-------------------|-----------------|---------------------|----------------|
| Reported: | 11/14/2014 | Sampling Type: | Soil |
| Project Name: | BEU DI #9 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Celey D. Keene |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SP #1 @ 9" (H403488-03)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 416 | 16.0 | 11/14/2014 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 12.7 | 10.0 | 11/13/2014 | ND | 199 | 99.4 | 200 | 2.34 | |
| DRO >C10-C28 | 16.2 | 10.0 | 11/13/2014 | ND | 210 | 105 | 200 | 1.53 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/13/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 111 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 123 | % 52.1-17 | 6 | | | | | | |

Sample ID: SP #1 @ 12" (H403488-04)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 11/14/2014 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/13/2014 | ND | 199 | 99.4 | 200 | 2.34 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/13/2014 | ND | 210 | 105 | 200 | 1.53 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/13/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 110 9 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 118 9 | % 52.1-17 | 6 | | | | | | |

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Celeg D. Keine



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

| Received: | 11/13/2014 | Sampling Date: | 11/12/2014 |
|-------------------|-----------------|---------------------|----------------|
| Reported: | 11/14/2014 | Sampling Type: | Soil |
| Project Name: | BEU DI #9 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Celey D. Keene |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SP #1 @ 18" (H403488-05)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 11/14/2014 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/13/2014 | ND | 199 | 99.4 | 200 | 2.34 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/13/2014 | ND | 210 | 105 | 200 | 1.53 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/13/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 113 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 123 | % 52.1-17 | 6 | | | | | | |

Sample ID: SP #1 @ 24" (H403488-06)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 11/14/2014 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/13/2014 | ND | 199 | 99.4 | 200 | 2.34 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/13/2014 | ND | 210 | 105 | 200 | 1.53 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/13/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 114 9 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 125 | % 52.1-17 | 6 | | | | | | |

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| Received: | 11/13/2014 | Sampling Date: | 11/12/2014 |
|-------------------|-----------------|---------------------|----------------|
| Reported: | 11/14/2014 | Sampling Type: | Soil |
| Project Name: | BEU DI #9 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Celey D. Keene |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SP #1 @ 30" (H403488-07)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 11/14/2014 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/13/2014 | ND | 199 | 99.4 | 200 | 2.34 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/13/2014 | ND | 210 | 105 | 200 | 1.53 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/13/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 111 9 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 123 | % 52.1-17 | 6 | | | | | | |

Sample ID: SP #1 @ 36" (H403488-08)

| Chloride, SM4500CI-B | mg/ | 'kg | Analyze | d By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 11/14/2014 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/13/2014 | ND | 199 | 99.4 | 200 | 2.34 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/13/2014 | ND | 210 | 105 | 200 | 1.53 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/13/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 113 9 | 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 124 9 | 52.1-17 | 6 | | | | | | |

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| Received: | 11/13/2014 | Sampling Date: | 11/12/2014 |
|-------------------|-----------------|---------------------|----------------|
| Reported: | 11/14/2014 | Sampling Type: | Soil |
| Project Name: | BEU DI #9 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Celey D. Keene |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SP #2 @ SURFACE (H403488-09)

| Chloride, SM4500Cl-B | mg, | ′kg | Analyze | d By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3560 | 16.0 | 11/14/2014 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | ′kg | Analyze | d By: ms | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 977 | 50.0 | 11/13/2014 | ND | 199 | 99.4 | 200 | 2.34 | |
| DRO >C10-C28 | 21100 | 50.0 | 11/13/2014 | ND | 210 | 105 | 200 | 1.53 | |
| EXT DRO >C28-C35 | 3510 | 50.0 | 11/13/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 245 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 675 | % 52.1-17 | 6 | | | | | | |

Sample ID: SP #2 @ 6" (H403488-10)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 11/14/2014 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 293 | 10.0 | 11/13/2014 | ND | 199 | 99.4 | 200 | 2.34 | |
| DR0 >C10-C28 | 1060 | 10.0 | 11/13/2014 | ND | 210 | 105 | 200 | 1.53 | |
| EXT DRO >C28-C35 | 139 | 10.0 | 11/13/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 137 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 139 | % 52.1-17 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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| Received: | 11/13/2014 | Sampling Date: | 11/12/2014 |
|-------------------|-----------------|---------------------|----------------|
| Reported: | 11/14/2014 | Sampling Type: | Soil |
| Project Name: | BEU DI #9 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Celey D. Keene |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SP #2 @ 12" (H403488-11)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 11/14/2014 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/13/2014 | ND | 199 | 99.4 | 200 | 2.34 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/13/2014 | ND | 210 | 105 | 200 | 1.53 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/13/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 120 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 133 | % 52.1-17 | 6 | | | | | | |

Sample ID: SP #2 @ 18" (H403488-12)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 11/14/2014 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/13/2014 | ND | 199 | 99.4 | 200 | 2.34 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/13/2014 | ND | 210 | 105 | 200 | 1.53 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/13/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 115 9 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 125 | % 52.1-17 | 6 | | | | | | |

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| Received: | 11/13/2014 | Sampling Date: | 11/12/2014 |
|-------------------|-----------------|---------------------|----------------|
| Reported: | 11/14/2014 | Sampling Type: | Soil |
| Project Name: | BEU DI #9 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Celey D. Keene |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SP #2 @ 24" (H403488-13)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 11/14/2014 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/13/2014 | ND | 199 | 99.4 | 200 | 2.34 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/13/2014 | ND | 210 | 105 | 200 | 1.53 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/13/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 115 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 126 | % 52.1-17 | 6 | | | | | | |

Sample ID: SP #2 @ 30" (H403488-14)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 11/14/2014 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/13/2014 | ND | 199 | 99.4 | 200 | 2.34 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/13/2014 | ND | 210 | 105 | 200 | 1.53 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/13/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 112 9 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 124 | % 52.1-17 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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| Received: | 11/13/2014 | Sampling Date: | 11/12/2014 |
|-------------------|-----------------|---------------------|----------------|
| Reported: | 11/14/2014 | Sampling Type: | Soil |
| Project Name: | BEU DI #9 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Celey D. Keene |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SP #3 @ SURFACE (H403488-15)

| Chloride, SM4500Cl-B | mg, | ′kg | Analyze | d By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1090 | 16.0 | 11/14/2014 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | ′kg | Analyze | d By: ms | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 2600 | 50.0 | 11/13/2014 | ND | 199 | 99.4 | 200 | 2.34 | |
| DRO >C10-C28 | 29000 | 50.0 | 11/13/2014 | ND | 210 | 105 | 200 | 1.53 | |
| EXT DRO >C28-C35 | 4310 | 50.0 | 11/13/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 278 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 826 | % 52.1-17 | 6 | | | | | | |

Sample ID: SP #3 @ 6" (H403488-16)

| Chloride, SM4500Cl-B | mg/ | ′kg | Analyze | d By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 784 | 16.0 | 11/14/2014 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | ′kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 25.4 | 10.0 | 11/14/2014 | ND | 186 | 92.8 | 200 | 0.855 | |
| DRO >C10-C28 | 311 | 10.0 | 11/14/2014 | ND | 188 | 94.1 | 200 | 1.14 | |
| EXT DRO >C28-C35 | 36.2 | 10.0 | 11/14/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 113 9 | 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 119 9 | 52.1-17 | 6 | | | | | | |

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Celeg D. Keine



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| Received: | 11/13/2014 | Sampling Date: | 11/12/2014 |
|-------------------|-----------------|---------------------|----------------|
| Reported: | 11/14/2014 | Sampling Type: | Soil |
| Project Name: | BEU DI #9 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Celey D. Keene |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SP #3 @ 12" (H403488-17)

| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 11/14/2014 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/14/2014 | ND | 186 | 92.8 | 200 | 0.855 | |
| DRO >C10-C28 | 44.2 | 10.0 | 11/14/2014 | ND | 188 | 94.1 | 200 | 1.14 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/14/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 112 9 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 123 | % 52.1-17 | 6 | | | | | | |

Sample ID: SP #3 @ 18" (H403488-18)

| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 11/14/2014 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/14/2014 | ND | 186 | 92.8 | 200 | 0.855 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/14/2014 | ND | 188 | 94.1 | 200 | 1.14 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/14/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 112 9 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 119 9 | % 52.1-17 | 6 | | | | | | |

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 11/13/2014 | Sampling Date: | 11/12/2014 |
|-------------------|-----------------|---------------------|----------------|
| Reported: | 11/14/2014 | Sampling Type: | Soil |
| Project Name: | BEU DI #9 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Celey D. Keene |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SP #3 @ 24" (H403488-19)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 11/14/2014 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/14/2014 | ND | 186 | 92.8 | 200 | 0.855 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/14/2014 | ND | 188 | 94.1 | 200 | 1.14 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/14/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 108 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 119 | % 52.1-17 | 6 | | | | | | |

Sample ID: SP #3 @ 30" (H403488-20)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 11/14/2014 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/14/2014 | ND | 186 | 92.8 | 200 | 0.855 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/14/2014 | ND | 188 | 94.1 | 200 | 1.14 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/14/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 113 9 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 124 | % 52.1-17 | 6 | | | | | | |

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Celeg D. Keine



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

| Received: | 11/13/2014 | Sampling Date: | 11/12/2014 |
|-------------------|-----------------|---------------------|----------------|
| Reported: | 11/14/2014 | Sampling Type: | Soil |
| Project Name: | BEU DI #9 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Celey D. Keene |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SP #3 @ 36" (H403488-21)

| Chloride, SM4500Cl-B | mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 | Analyze | d By: AP | | | | | | |
|-------------------------------|--|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 11/14/2014 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/14/2014 | ND | 186 | 92.8 | 200 | 0.855 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/14/2014 | ND | 188 | 94.1 | 200 | 1.14 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/14/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 112 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 124 | % 52.1-17 | 6 | | | | | | |

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Celeg D. Keine



Notes and Definitions

| S-06 | The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's. |
|------|--|
| 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 SM4500CI-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. Keine



Page 14 of 16

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

| Company Name: | | | | | | | | | 8 | ILL TO |) | | | | | ΔΝΔ | I VSI | S RE | OUE | CT. | | |
|---------------------|--------------------|-------------------|--------------|-------------|------|-----|--------|-----------------------|-----------------------|----------|---------|----------|-------------|--------------|---------|-----|-------|------|-----|----------|-----------|----|
| Project Manager: | Joel Lowry | | | | | | | P.O. | | | | | T | T | 1 | 1 | 1 | J RE | T | 1 | - | - |
| Address: P.O. B | ox 301 | | | | | | | Com | pany: | BO | PCO, LP | 1 | | | 1 | 1.1 | | | 10 | | | |
| City: Lovington | State: N | M Zip | : 8 | 8260 |) | | - 1 | Attn: | | Tony Sa | | | | | | | | | | | | |
| Phone #: (575)39 | 96-2378 Fax #: (57 | 75)396-1 | 429 | | | | - 1 | Addr | | tony of | NOID | | | | | | | | | | | |
| Project #: | Project On | wner: | | | | | - | City: | | | | | | 1 | | | | | | | | |
| Project Name: B | EU DI #9 | | | | | | - | - | : NM | 7 | | | ŝ | â | H | | | | | | | |
| Project Location: | Eddy Co., NM | | | | _ | | _ | | | Zip: | | ide | TPH (8015M) | BTEX (8021B) | FOR TPH | | | | | | | |
| Sampler Name: | | | | | | | - 1 | Phon | | | | Chloride | (80 | 8 | 6 | | | | | | | |
| FOR LAB USE ONLY | | | 1 | <u> </u> | MA | TRD | | Fax # | RESERV | SAMP | ING | - ō | H | E | НОГВ | | | | | | | |
| Lab I.D. H403488 | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | GROUNDWATER | SOIL | OIL | SLUDGE | OTHER : ACID/BASE: | ICE / COOL OTHER : | DATE | TIME | | | | - | | | | | | | |
| 0 | SP #1 @ Surf. | g | 1 | | x | | | Т | x | 11/12/14 | 900 | x | x | | - | | | | - | <u> </u> | \vdash | + |
| 01 | SP #1 @ 6" | g | 1 | | x | | | | x | 11/12/14 | | x | x | | | | | - | - | - | + | - |
| 03 | SP #1 @ 9" | g | 1 | | x | | | | x | 11/12/14 | 920 | x | x | | - | | | | - | - | \vdash | - |
| PG | SP #1 @ 12" | 9 | 1 | | x | | | | x | 11/12/14 | - | x | x | | 1 | | | | - | - | | - |
| 25 | SP #1 @ 18" | g | 1 | | x | | | | x | 11/12/14 | 940 | x | x | | - | - | | | | - | \vdash | -+ |
| | SP #1 @ 24" | 9 | 1 | | x | | | | x | 11/12/14 | 950 | x | x | | - | | | | | - | | - |
| 57 | SP #1 @ 30" | g | 1 | | x | | | 1 | x | 11/12/14 | 1000 | x | x | - | - | | - | - | | | | -+ |
| | SP #1 @ 36" | g | 1 | | x | | | 1 | x | 11/12/14 | 1010 | x | | - | | | - | - | | | | + |
| 09 | SP #2 @ Surf. | g | 1 | | x | | 1 | | x | 11/12/14 | 1020 | | X | - | - | | - | | | | | + |
| 0 | SP #2 @ 6" | | | | - | | | _ | | | 1020 | X | X | | | | | | / | 4 | 6 - E - E | |

dy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatapever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable

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sed upon any of the above stated reasons or otherwise Relinquished By Date eceived By Phone Result: O No Yes Add'l Phone #: Fax Result: C Yes D No Add'l Fax #: Time: REMARKS: Relinquished Date; Received By **Run Highest TPH for BTEX** Time Please email results to pm@basinenv.com, TASavoie@BassPet.com, acruth@basspet.com wor Delivered By: (Circle One) CHECKED BY: Cool Intact (Initials) Sampler - UPS - Bus - Other: † Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



Page 15 of 16

20+3

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| Company Name: | | | | | | | T | | B | ILL TO | | | | | | | YSIS F | EOU | OT | | _ |
|-------------------|---|-------------------|--------------|---------------------------|------|------|-------------------|------------|-----------------------|----------|--------|----------|-------------|--------------|---------|-------|--------|-------|----|-----|---|
| Project Manager: | Joel Lowry | | | | | | F | 2.0.1 | | | | | T | | 1 | TITAL | 1313 1 | LEQUE | 51 | T T | |
| Address: P.O. B | ox 301 | | | | | | 6 | Comp | any: | BOP | CO, LP | 1 | | | | | | | | | |
| City: Lovington | State: N | M Zip | : 8 | 88260 | | | | ttn: | | Tony Sav | | 1 | | | | | | | | | |
| Phone #: (575)39 | 96-2378 Fax #: (57 | 75)396-1 | 429 |) | | | - | ddre | ce. | Tony Sav | ule | 1 | | | | | | | | | |
| Project #: | Project Ov | wner: | | | | | - | ity: | | | | | | | | | | | | 11 | |
| Project Name: B | EU DI #9 | | | | | | - | - | | - | | 1 | E | â | H | | | | | 11 | |
| Project Location: | Eddy Co., NM | | - | | | | | | NM | Zip: | | ide | 150 | 021 | FOR TPH | | | | | | |
| Sampler Name: | | | - | | | | - | hone | | | | Chloride | TPH (8015M) | BTEX (8021B) | | | | | | | |
| FOR LAB USE ONLY | | | Г | 1 | MA | TRIX | _ | ax #: | ESERV. | SAMPLI | NG | ō | H | E | НОГР | | | | 1 | | |
| 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 | | | | - | | | | | | |
| 11 | SP #2 @ 12" | g | 1 | | x | | | | x | 11/12/14 | 1040 | x | x | | 2 | | - | - | - | | - |
| 12 | SP #2 @ 18" | 9 | 1 | | x | - | | | x | 11/12/14 | 1050 | x | x | | - 1 | | | + | 1 | | - |
| 13 | SP #2 @ 24" | g | 1 | | x | | | | x | 11/12/14 | 1100 | x | x | | | | | 1 | | | + |
| | SP #2 @ 30" | 9 | 1 | | x | | | | x | 11/12/14 | 1110 | x | x | | - 1 | | | | | | + |
| 15 | SP #3 @ Surf. | 9 | 1 | - | х | | | | x | 11/12/14 | 1200 | x | x | | | | | | | - | + |
| 16 | SP #3 @ 6" | 9 | 1 | | x | | | | x | 11/12/14 | 1210 | x | x | | | | - | - | | | + |
| 178 | SP #3 @ 12" | g | 1 | | x | | | | x | 11/12/14 | 1220 | x | x | | | | | - | | - | + |
| 18 | SP #3 @ 18" | g | 1 | | x | | | | x | 11/12/14 | 1230 | x | x | | | | | - | | - | + |
| 19 | SP #3 @ 24" | g | 1 | | x | | | | x | 11/12/14 | 1240 | x | x | | | | - | - | | - | + |
| 20 | SP #3 @ 30" ages. Cardina's lability and client's exclusive remedy for | 9 | 1 | | x | | 313 | | x | 11/12/14 | 1250 | x | x | - | - | - | | - | | -+- | + |

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| Relinquished By: | Date: Received By: | Phone Result: Ves No Add'l Phone #: |
|--|--|--|
| yanjour | Time:0:00 Stolahum | Fax Result: Ves No Add'I Fax #: REMARKS: |
| Relinquished By: | Data: / Received Bu | The second se |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | Date: Received By: Time: | Run Highest TPH for BTEX Please email results to pm@basinenv.com, TASavoie@BassPet.com, acruth@basspet.com |
| | † Cardinal cannot accept verbal changes. Pleas | e fax written changes to 575-393-2476 |
| | #39 | |



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| Company Name: | | | | | | | | | | | BI | LL TO | | | - | | | AMALVO | | UEOT | | | _ |
|--------------------------------|---|------------------|--------------|-------------|------------|------|--------|---------|------------|------------|---------|------------|--------|----------|-------------|--------------|-------|--------|--------|-------|---|----------|---|
| Project Manager: | | | | | | | | P | 0. | | | | | + | 1 | 1 | - | ANALYS | IS REG | IUEST | _ | _ | _ |
| Address: P.O. E | 3ox 301 | | | | | | | c | om | pany | | BOP | CO, LP | 1 | 1 | | 1 | | 1 1 | | | | |
| City: Lovington | State: NM | Zij | p: 1 | 8826 | 60 | | | | ttn: | | - | Tony Save | | | | | | | 1 1 | | | | |
| Phone #: (575)3 | 96-2378 Fax #: (575) | 396-1 | 429 | | | | | 1 | _ | ess: | | Forly Gave | UNC . | | | | | | 1 1 | | | | |
| Project #: | Project Own | er: | | | | | | | ity: | | - | | | 1 | | | | | 1 1 | | | | |
| Project Name: E | BEU DI #9 | | | | | | | 1 | - | - M | м | Zip: | | | ŝ | â | TPH | | | | | | |
| Project Location: | Eddy Co., NM | | | | | | | | | e #: | INI | zip. | | Chloride | TPH (8015M) | BTEX (8021B) | FOR 1 | | | | | 1 / | |
| Sampler Name: | | | | | | | | 1 | x #: | | | | | Ê | 1 (8) | X (8 | L L | | 1 1 | | | | |
| FOR LAB USE ONLY | | T | Т | Т | 1 | MATE | XIX | Tr a | - | ESER | RV. | SAMPLI | NG | - 0 | 1 de | E | НОГР | | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | SLUDGE | OTHER : | ACID/BASE: | ICE / COOL | OTHER : | DATE | TIME | | | | - | | | | | | |
| 21 | SP #3 @ 36" | 9 | 1 | | | x | | | | x | | 11/12/14 | 1300 | x | x | | | | | - | + | + | - |
| | | + | - | \square | | - | + | - | | | + | | | | | | | | | | | | |
| | | t | | | | + | + | | | | ł | - | | | | | _ | | + | _ | | | |
| | | | | | | | | | | | t | | - | | | | - | | + | | + | + | |
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| | | | | | | | | | | | | | 2 | | | | | | | + | + | \vdash | - |
| | | | | | | | | | 1 | | T | | | | | | | | | | + | \vdash | - |
| PLEASE NOTE: Liability and Dan | nages. Cardinal's liability and client's exclusive remedy for any | | | | | | | | | | | | | | | | | | | - | + | \vdash | - |

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affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such cla

| Relinquished By: | Date: Received By: | Phone Result: Ves No Add'l Phone #: | _ |
|--|--|--|---|
| Rejinquished By: | Date: 13/14 Received By: | REMARKS: | |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | Time: 15 Sample Condition Cool Intact (Initials) | Run Highest TPH for BTEX Please email results to pm@basinenv.com, TASavoie@BassPet.com, acruth@basspet.com | |
| | + Cardinal cannot an in No (M | | |

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

#5

FORM-006 Revision 1.0



November 21, 2014

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: BEU DI #9

Enclosed are the results of analyses for samples received by the laboratory on 11/19/14 10:05.

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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

| Received: | 11/19/2014 | Sampling Date: | 11/14/2014 |
|-------------------|-----------------|---------------------|---------------|
| Reported: | 11/21/2014 | Sampling Type: | Soil |
| Project Name: | BEU DI #9 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SP #4 @ SURFACE (H403555-01)

| Chloride, SM4500Cl-B | oride, SM4500Cl-B mg/kg | | | d By: AP | | | | | |
|----------------------|-------------------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 7280 | 16.0 | 11/20/2014 | ND | 416 | 104 | 400 | 3.92 | |

Sample ID: SP #4 @ 1' (H403555-02)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 560 | 16.0 | 11/20/2014 | ND | 416 | 104 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/20/2014 | ND | 182 | 90.8 | 200 | 3.28 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/20/2014 | ND | 182 | 90.8 | 200 | 3.21 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/20/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 127 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 142 | % 52.1-17 | 6 | | | | | | |

Sample ID: SP #4 @ 2' (H403555-03)

| Chloride, SM4500Cl-B | Chloride, SM4500Cl-B mg/kg | | | | | | | | |
|----------------------|----------------------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 432 | 16.0 | 11/20/2014 | ND | 416 | 104 | 400 | 3.92 | |

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 11/19/2014 | Sampling Date: | 11/14/2014 |
|-------------------|-----------------|---------------------|---------------|
| Reported: | 11/21/2014 | Sampling Type: | Soil |
| Project Name: | BEU DI #9 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SP #5 @ 1' (H403555-04)

| Chloride, SM4500Cl-B | SM4500Cl-B mg/kg | | Analyze | d By: AP | | | | | |
|-------------------------------|------------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 800 | 16.0 | 11/20/2014 | ND | 416 | 104 | 400 | 3.92 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/20/2014 | ND | 182 | 90.8 | 200 | 3.28 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/20/2014 | ND | 182 | 90.8 | 200 | 3.21 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/20/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 119 9 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 132 9 | % 52.1-17 | 6 | | | | | | |

Sample ID: SP #5 @ 2' (H403555-05)

| Chloride, SM4500Cl-B mg/kg | | | Analyze | d By: AP | | | | | |
|----------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1260 | 16.0 | 11/20/2014 | ND | 416 | 104 | 400 | 3.92 | |

Sample ID: SP #5 @ 3' (H403555-06)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 11/20/2014 | ND | 416 | 104 | 400 | 3.92 | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 11/19/2014 | Sampling Date: | 11/14/2014 |
|-------------------|-----------------|---------------------|---------------|
| Reported: | 11/21/2014 | Sampling Type: | Soil |
| Project Name: | BEU DI #9 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SP #6 @ SURFACE (H403555-07)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 12900 | 16.0 | 11/20/2014 | ND | 416 | 104 | 400 | 3.92 | |

Sample ID: SP #6 @ 1' (H403555-08)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 272 | 16.0 | 11/20/2014 | ND | 416 | 104 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/20/2014 | ND | 182 | 90.8 | 200 | 3.28 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/20/2014 | ND | 182 | 90.8 | 200 | 3.21 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 11/20/2014 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 129 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 139 | % 52.1-17 | 6 | | | | | | |

Sample ID: SP #6 @ 2' (H403555-09)

| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 11/20/2014 | ND | 416 | 104 | 400 | 3.92 | |

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Celeg D. Keine

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

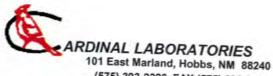
*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 6



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

| Project Manuaguii. Des LDMy P.O. #: NUME 1/313 NUM 1/313 Nume 1/313 Nume 1/313 Nume 1/313 Nume 1/313 Nume 1/313 Num 1/313 Nume 1/313 Num 1/31 Nume 1/313 Nume 1/313 <th>Company Name: Project Manager:</th> <th></th> <th></th> <th>_</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>B</th> <th>ILL TO</th> <th>)</th> <th></th> <th></th> <th></th> <th></th> <th>-</th> <th></th> <th>(010</th> <th></th> <th>_</th> <th>_</th> <th></th> <th></th> | Company Name: Project Manager: | | | _ | | | | | | | | B | ILL TO |) | | | | | - | | (010 | | _ | _ | | |
|---|-----------------------------------|---|------------------|------------|------------|----------|-------|----------|---------|---------|-------|----------|-------------------|------------------|------|----------|----------|--------|-------|------|------|------|-----|----|---|----|
| City: Lovington State: NM Zip: 88260 Attr: Tony Savoie Phone #: (575)396-2378 Fax #: (575)396-1429 Address: Address: # | | | | | | | | | | P.0 | . #: | | | 200200000000 | - | T | | T | An | ALY | SIS | REC | QUE | ST | _ | |
| Chy Exter: NM Zip: 88260 Attr: Tony Savole Phone #: (575)396-2378 Fax #: (575)396-1429 Address: | 5 | | | | | | | | | Con | npa | any: | BO | PCOIR | 1 | | 1 | | | | | | | | | |
| Address: Project %: | | State: NN | | | | 60 | | | | | | 1 | | 1 | | | | | 1.1 | 1.11 | | | | | | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | 396-2378 Fax #: (575 | 5)396- | 1429 | 9 | | | | | Add | res | s. | Tony de | WUID | | | | | | | | | | 1 | | 1 |
| Project Name: BEU DI 9 State: NM Zip: Phone #: Project Location: Eddy Co., NM Phone #: | | | ner: | | | | | | -1 | | | | | | 1 | | | | | | | | | | | |
| Sampler Name: Joel Lowry Phone #: Fax #: Phone # | | | | | | | | | -1 | | | NIKE | 7: | | 1. | E | a | H | | | | | | | | |
| Lab I.D. Sample I.D. Image: Seminary of the semin | | | | | | | | | | | | | ZID: | | de | 151 | 021 | L L | | | | | | | | |
| Lab I.D. Sample I.D. Number of the second seco | | Joel Lowry | | | | | | - | | | | #: | | | lo | (80 | 8 | 1 P | | | | | | | | |
| Lab I.D. Sample I.D. Number of the second seco | FOR LAB USE ONLY | | T | Т | T | 1 | MAT | RIX | ľ | - | | SERV | SAMO | INC | ð | H | E E | 2 | | | | | | | | |
| 1 SP #4 @ Surf. 9 1 x x 11/14/14 900 x x 1 2 SP #4 @ 1' 9 1 x x 11/14/14 900 x x x 1 3 SP #4 @ 2' 9 1 x x 11/14/14 905 x x x x x 4 SP #5 @ 1' 9 1 x x 11/14/14 910 x | | Sample I.D. | G)RAB OR (C)OMP. | CONTAINERS | ROUNDWATER | TEWATER | - | | TLED. | | | | | | | F | â | 9 H | | | | | | | | |
| 2 SP #4 @ 1' 9 1 x x 11/14/14 900 x | 1 | SP #4 @ Surf. | Ť | 1 | 0 | | 1 | D U | 2 0 | 2 X | 1.0 | | | - | - | | 1 | | | | | | | | | 11 |
| 5 SP #5 @ 2' g 1 x x 11/14/14 920 x x x 6 SP #5 @ 3' g 1 x x 11/14/14 920 x x 7 SP #6 @ Surf. g 1 x x 11/14/14 930 x 7 SP #6 @ Surf. g 1 x x 11/14/14 935 x 8 SP #6 @ 1' g 1 x x 11/14/14 935 x 9 1 x x 11/14/14 940 x x 9 1 x x 11/14/14 945 x | 2 | | | | | | - | + | + | ÷ | 1 | 1 | | | x | | | | | | | | | | | |
| 5 SP #5 @ 2' g 1 x x 11/14/14 920 x x x x 6 SP #5 @ 3' g 1 x x 11/14/14 925 x x x 7 SP #6 @ Surf. g 1 x x 11/14/14 930 x x x 6 SP #6 @ Surf. g 1 x x 11/14/14 930 x x x 7 SP #6 @ Surf. g 1 x x 11/14/14 935 x x x 6 SP #6 @ 1' g 1 x x 11/14/14 940 x x 7 SP #6 @ 2' g 1 x x 11/14/14 940 x x 7 SP #6 @ 2' g 1 x x 11/14/14 940 x x | 3 | SP #4 @ 2' | | | | - | | + | t | t | 1 | 7 1 | | | x | x | | | | | | | | | | |
| 5 SP #5 @ 2' g 1 x x 11/14/14 920 x | 4 | SP #5 @ 1' | | 1 | | | | + | t | t | | | | | x | - | - | | | | | | | | | |
| Ip SP #5 @ 3' g 1 x x 11/14/14 925 x 7 SP #6 @ Surf. g 1 x x 11/14/14 930 x Image: Second state Image | 5 | SP #5 @ 2' | | 1 | | | - | + | t | t | - | | | | x | x | - | | | | | | | | | |
| SP #6 @ Surf. g 1 x x 11/14/14 930 x SP #6 @ 1' g 1 x x 11/14/14 935 x | | SP #5 @ 3' | | 1 | | | | | t | | | | | | | - | - | _ | | | | | | | | |
| SP #6 @ 1' g 1 x x 11/14/14 935 x G SP #6 @ 2' g 1 x x 11/14/14 940 x x G SP #6 @ 2' g 1 x x 11/14/14 940 x x | | SP #6 @ Surf. | | 1 | | - | | t | t | E | 1 | | 1 | | | - | - | | | | | | | | | |
| g 1 x x 11/14/14 945 x | 8 | | | 1 | | - | - | 1 | t | t | 1 | | | | | - | - | _ | | | | | | | | |
| A GAN A A A A A A A A A A A A A A A A A | 9 | SP #6 @ 2' | | 1 | | | | | T | | - | | 1 | | | x | - | - | | - | - | | | | | |
| | ASE NOTE: Linking D | | | | | | | | | | - | | | | x | -+ | - | - | _ | - | | | | | | |
| ASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim artising whether based in contract or brt, shall be limited to the amount paid by the client for the one. In no event shall Cardinal be liable for incidental or consequential damages, including whether based in contract or brt, shall be limited to the amount paid by the client for the takes or successors artising out of or related to the performance of services hereunder by Cardinal impartiess of whether such clients, loss of use, or loss of profile incurred by client, its subsidiaries, | res. All claims including those | e for negligence and any other cause whatsoever shall be de | y claim an | sing wi | hether b | based in | combo | ect or t | brt. st | al be t | mited | to the a | amount paid by th | e client for the | | | | | | | | | | | | |
| | alinguished By: | UT Time 30 | Rei | S | edB | 1 | 2 | 100 | 1 | 1 | n | l | \sim | Phone Result: | 1 | | | | | | | | | | | |
| Biso DX DAult en X REMARKS: | Delivered By: (C | abur 19-19-14 | Rec | ceiy | ed B | Vi | | A | de | 1 | U | 10 | n | Please | emai | il resul | ts to r | m | hacir | | | BTEX | | | | |

Please email results to pm@basinenv.com, TASavoie@BassPet.com, acruth@basspet.com

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

CHECKED BY:

(Initialis)

#

ample Condition

Ves Yes

Intact

Cool

4

-5.82

Sampler - UPS - Bus - Other:



January 27, 2015

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: BEU DI-9 HEATER SPILL

Enclosed are the results of analyses for samples received by the laboratory on 01/23/15 14:05.

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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

| Received: | 01/23/2015 | Sampling Date: | 01/21/2015 |
|-------------------|-----------------------|---------------------|----------------|
| Reported: | 01/27/2015 | Sampling Type: | Soil |
| Project Name: | BEU DI-9 HEATER SPILL | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Celey D. Keene |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: WW-1 PASTURE (H500231-01)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 01/26/2015 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: WW-2 PASTURE (H500231-02)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 01/26/2015 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: WW-3 PASTURE (H500231-03)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 01/26/2015 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: WW-4 PASTURE (H500231-04)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 01/26/2015 | ND | 400 | 100 | 400 | 3.92 | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 01/23/2015 | Sampling Date: | 01/21/2015 |
|-------------------|-----------------------|---------------------|----------------|
| Reported: | 01/27/2015 | Sampling Type: | Soil |
| Project Name: | BEU DI-9 HEATER SPILL | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Celey D. Keene |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: EW-1 PASTURE (H500231-05)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 01/26/2015 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: EW-2 PASTURE (H500231-06)

| Chloride, SM4500Cl-B | mg/kg | | Analyze | d By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 01/26/2015 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: EW-3 PASTURE (H500231-07)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 01/26/2015 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: EW-4 PASTURE (H500231-08)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 01/26/2015 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: NW-1 PASTURE (H500231-09)

| Chloride, SM4500Cl-B | mg/kg | | Analyze | d By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 01/26/2015 | ND | 400 | 100 | 400 | 3.92 | |

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*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 01/23/2015 | Sampling Date: | 01/21/2015 |
|-------------------|-----------------------|---------------------|----------------|
| Reported: | 01/27/2015 | Sampling Type: | Soil |
| Project Name: | BEU DI-9 HEATER SPILL | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Celey D. Keene |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SW-1 PASTURE (H500231-10)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 01/26/2015 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: FLOOR 1 PASTURE (H500231-11)

| Chloride, SM4500Cl-B mg/kg | | Analyze | d By: AP | | | | | | |
|----------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 01/26/2015 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: FLOOR 2 PASTURE (H500231-12)

| Chloride, SM4500Cl-B | mg/kg | | Analyze | d By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 01/26/2015 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: FLOOR 3 PASTURE (H500231-13)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 01/26/2015 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: FLOOR 4 PASTURE (H500231-14)

| Chloride, SM4500Cl-B | mg/kg | | Analyze | d By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 01/26/2015 | ND | 400 | 100 | 400 | 3.92 | |

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

- ND
 Analyte NOT DETECTED at or above the reporting limit

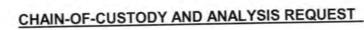
 RPD
 Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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Celeg D. Keine



RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

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

| | (5/5) 393-2320 FAX (5/5) 393- | 2410 | - | | - | - | | | E | IL | L TO | | | | | A | NALYSIS | REQUEST | - |
|----------------------|-------------------------------|-------------------|--------------|-------------|------|------|--------|---------|--------------------------|---------|-------------|-------|----------|-------------|--------------|------|---------|---------|-------|
| Company Name: | Joel Lowry | | | | | | P | .0. | #: | | | | | | | | | | |
| Project Manager: | | | | | | - | 6 | om | pany: | | BOPCO |), LP | | | | | | | |
| Address: P.O. Bo | State: NM | Zin | 8 | 8260 | | | | ttn: | | 1.1 | Tony Savoie | 8 | | | | | | | |
| City: Lovington | | | | | | | | | ess: | | | | | | | | | | |
| Phone #: (575)39 | | | 23 | | | _ | f | | | | | | | | | T | | | |
| Project #: | Project Ow | ner: | | | | _ | - | City: | | - | | | | ŝ | 18) | TPH | | | |
| Project Name: B | EU DI-9 Heater Spill | | | | | | 5 | State | e: NA | A Z | Zip: | | ide | 15 | 302 | FOR | | | |
| Project Location: | Eddy Co., NM | | | | | | F | hor | ne #: | | | | Chloride | (80 | X (8 | | | | |
| Sampler Name: N | | | - | | _ | | _ | ax | | _ | | | õ | TPH (8015M) | BTEX (8021B) | НОГР | | | |
| FOR LAB USE ONLY | | | | | MA | TRIX | | P | RESER | ۲V. | SAMPLIN | IG | | - | 8 | Ξ | | | |
| Lab I.D. H500231- | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | GROUNDWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: ICE / COOL | OTHER : | DATE | TIME | | | | | | | |
| 91 | WW-1 [Pasture] | g | 1 | | x | | | | x | | 1/21/15 | | x | - | - | x | | | + |
| S | WW-2 [Pasture] | 9 | 1 | | x | | | | x | | 1/21/15 | | x | - | - | X | | | - |
| 03 | WW-3 [Pasture] | g | 1 | | x | | | | х | | 1/21/15 | | x | - | - | x | | | - |
| US NO | WW-4 [Pasture] | g | 1 | | x | | | | x | | 1/21/15 | | x | - | - | x | | | + |
| 05 | EW-1[Pasture] | 9 | 1 | | x | | | | x | | 1/21/15 | | x | - | - | x | | | - |
| 06 | EW-2[Pasture] | 9 | 1 | | x | | | | x | | 1/21/15 | - | x | - | - | X | | | + |
| 07 | EW-3[Pasture] | g | | | > | | | | x | | 1/21/15 | | x | - | - | x | | | - |
| R | EW-4[Pasture] | 9 | | |) | 2 | - | | x | | 1/21/15 | | x | - | - | X | | | - |
| 58 54 | NW-1[Pasture] | 9 | | |) | | | | x | | 1/21/15 | | x | - | - | x | | | - |
| UI | Guy A -NW-2[Pasture] | | 1 | | , | c | | | x | | 1/21/15 | | X | | | x | | | |

O SW-1-RVV-4[Pasture]
 g 1 X
 X
 I/2/I/I
 A

 PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim artising whether based in contract or tort, shall be limited to the amount paid by the client for the
 analyses. All claims including those for negligence and any other cause whatsoever shall be deemed varied unless made in writing and received by Cardinal's liability and be implemented by the client for the
 analyses. All claims including those for negligence and any other cause whatsoever shall be deemed varied unless made in writing and received by Cardinal within 30 days after completion of the applicable

| analysis interruptions, loss of use, or loss or promis including without limitation, business interruptions, loss of use, or loss or promis incurrence of | Contract in the second second | | |
|--|-------------------------------|-------|----------------|
| service. In no event shall Cardinal be lable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss or proving another or your of the above stated in the proving of t | reasons or otherwise. | | |
| Elistes or successors animo put of or related to the performance of services hereunder by Carossa, regardees or whom were determined on the | Phone Result: | T Yes | Add'l Phone #: |
| analysis and and But / Perceived But | Phone Result. | C 163 | |

| Relinquished By: | Time: (3/0 | Fax Result: Yes No Add'I Fax #: REMARKS: |
|--|--|--|
| Relinquished By: Delivered By: (Circle One) Sampler - UPS - Bus - Other: | Date: //3/15 Time: 1405 Cool Intact Cool Intact Cool Intact Cool Intact Cool Intact Cool Intact | Please email results to pm@basinenv.com, TASavoie@BassPet.com, acruth@basspet.com |

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

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Page 7 of 7

RDINAL LABORATORIES

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

| | (515) 393-2320 PAA (515) 555- | BILL TO | | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | |
|--|-------------------------------|------------------|-----|----------------|-------------------------------|-----------|------------------|---------|------------|-----------------------|---------|------|---|---|--------------|------|-----|---|---|---|-----|
| Project Manager: Joer Lowry | | | | | P.O. #: Company: BOPCO, LP | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 1 | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | - | | .y. | Tony Savo | | | | | | | | | | | | | | |
| City: Lovington Citato: This Citato: C | | | Att | | _ | Tony Save | NC . | | | | | | | | | | | | | | |
| Phone #: (575)396-2378 Fax #: (575)396-1429 | | | | | Address: | | | | Chloride | | | _ | | | | | | | | | |
| Project #: Project Owner: | | | | | City: | | | | | ŝ | â | TPH | | | | | | | | | |
| Project Name: BEU DI-9 Heater Spill | | | | State: NM Zip: | | | | 151 | | 021 | FOR | | | | | | | | | | |
| Project Location: Eddy Co., NM | | | | Phone #: | | | | | lo | TPH (8015M) | × (8 | E I | | | | | | | | | |
| Sampler Name: N | Matt Taylor | | | | | | | | x #: | _ | | | ō | H | BTEX (8021B) | НОГР | | | | | |
| FOR LAB USE ONLY | | | Г | Γ | M | ATR | XIX | | PRE | SERV. | SAMPL | NG | | - | - | Ĭ | | | | | |
| Lab I.D. H500231- | Sample I.D. | (G)RAB OR (C)OMP | | GROUNDWATER | WASTEWATER | SOIL | OIL SI UDGE | OTHER : | ACID/BASE: | ICE / COOL OTHER : | DATE | TIME | | | | | | | | | |
| 11 | Floor 1 [Pasture] | g | | | | x | | | | x | 1/21/15 | - | x | - | - | x | | - | 1 | - | + + |
| 12 | Floor 2 [Pasture] | 9 | | | | x | | | | x | 1/21/15 | - | x | - | - | × | | | | - | + + |
| 12 | Floor 3 [Pasture] | 9 | | | | x | | | | x | 1/21/15 | - | x | - | - | x | + | | | - | + + |
| 13 | Floor 4 [Pasture] | 9 | | | | x | | | | x | 1/21/15 | - | × | - | - | X | | | | | 1 |
| | | | | | | | _ | | | | | - | + | - | - | + | | | | | |
| | | | | | | | | | | | | - | + | - | + | + | + + | | | | |
| | | | | | | | | - | | | | - | + | + | - | - | + + | - | | | |
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| | | | | | | | 4 | - | | | - | - | + | - | + | + | | | - | | |
| | | | | | | | | 1 | | | | | | | 1 | | | | | | |

PLEASE NOTE: Liability and Damages. Cardinar's liability and client's exclusive remedy for any claim ataing whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for medigence and any other cause whatboever shall be element waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall cardinal be liable for incidential or consequential damages, including whost termination, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service. In no event shall cardinal be liable for incidential or consequential damages, including whost termination, business interruptions any of the above stated reasons or otherwise.

| affiliates or successors arising out of or related to the performance | Date; / 2/// Received By: / | Phone Result: Ves No Add'I Phone #: |
|--|--|--|
| Relinquished By: Relinquished By: Delivered By: (Circle One) Sampler - UPS - Bus - Other: | Time: 3/5 Date: 33/15 Time: 33/15 Time: 33/15 Time: 33/15 Time: 33/15 CHECKED BY: Checked | Please email results to pm@basinenv.com, TASavoie@BassPet.com, acruth@basspet.com |
| Sampler - UPS - Bus - Other. | -4.6C NO NO | for written changes to 575-393-2476 |

† Cardinal cannot accept verbal changes. Please fax written changes to

FORM-006 Revision 1.0



January 28, 2015

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: BEU DI-9 HEATER SPILL

Enclosed are the results of analyses for samples received by the laboratory on 01/23/15 14:05.

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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

| Received: | 01/23/2015 | Sampling Date: | 01/22/2015 |
|-------------------|-----------------------|---------------------|----------------|
| Reported: | 01/28/2015 | Sampling Type: | Soil |
| Project Name: | BEU DI-9 HEATER SPILL | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Celey D. Keene |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: NW #1 PAD (H500232-01)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 01/26/2015 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: EW #1 PAD (H500232-02)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 01/26/2015 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: SW #1 PAD (H500232-03)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 01/26/2015 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: WW #1 PAD (H500232-04)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 01/26/2015 | ND | 400 | 100 | 400 | 3.92 | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 01/23/2015 | Sampling Date: | 01/22/2015 |
|-------------------|-----------------------|---------------------|----------------|
| Reported: | 01/28/2015 | Sampling Type: | Soil |
| Project Name: | BEU DI-9 HEATER SPILL | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Celey D. Keene |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: FLOOR @ 1' PAD (H500232-05)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/27/2015 | ND | 1.71 | 85.4 | 2.00 | 7.10 | |
| Toluene* | <0.050 | 0.050 | 01/27/2015 | ND | 1.66 | 82.8 | 2.00 | 6.42 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/27/2015 | ND | 1.58 | 78.9 | 2.00 | 8.23 | |
| Total Xylenes* | <0.150 | 0.150 | 01/27/2015 | ND | 4.75 | 79.2 | 6.00 | 8.71 | |
| Total BTEX | <0.300 | 0.300 | 01/27/2015 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9 | % 61-154 | | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 01/26/2015 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 01/26/2015 | ND | 192 | 96.1 | 200 | 1.01 | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/26/2015 | ND | 192 | 96.2 | 200 | 3.37 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 01/26/2015 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 107 9 | 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 112 9 | 52.1-17 | 6 | | | | | | |

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*=Accredited Analyte

Celeg D. Keine

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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 5



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 5 of 5

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

| Company Name: | | | | | | | T | | | BI | LL TO | | | _ | | - | ANALY | | FOUR | OT | | |
|-------------------------------|--|-------------------|--------------|---------------------------|------|-----|-------------------|------------|------|------------|----------|--------|----------|-------------|--------------|------|-------|-------|------|----|---------------|---|
| Project Manager: | | | | | | | F | .0. | | - | | | 1 | 1 | 1 | 1 | ANALI | 515 K | EQUE | SI | - | |
| Address: P.O. | | | | | | | 0 | om | pany | <i>r</i> : | BOP | CO. LP | 1 | | | | | | | | 1 1 | |
| City: Lovington | State. N | A Zip |): i | 88260 | | | | ttn: | | | Tony Sav | | | | | | | | | | | |
| Phone #: (575) | 396-2378 Fax #: (57 | 5)396-1 | 429 |) | | | | | ess: | | rony car | UIC | 11 | | | | | | | | | |
| Project #: | Project Ow | ner: | | | | | | ity: | | - | | | | | | | | | | | | |
| Project Name: | BEU DI-9 Heater | | | | | | - | - | | | Zip: | | | E | â | TPH | | | | | | |
| Project Location: | Eddy Co., NM | | _ | | | | | | | | Zip: | | Chloride | TPH (8015M) | BTEX (8021B) | R I | | | | | | |
| Sampler Name: | Joel Lowry | | | | | _ | | | e #: | _ | | | Per la | (8) | 8 | FOR | | | | | | |
| FOR LAB USE ONLY | | - | г | T - | MAT | RIX | _ | ax # | RESE | PV I | SAMPLI | NC | ö | Hd | E E | НОГР | | | | | 1 1 | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | GROUNDWATER WASTEWATER | SOIL | OIL | SLUDGE OTHER : | ACID/BASE: | | OTHER : | DATE | TIME | | | | ¥ | | | | | | |
| 01 | NW #1 [Pad] | | 1 | | x | | | | | | 1/22/15 | 930 | x | | | | | + | + | | \rightarrow | |
| 02 | EW #1 [Pad] | | 1 | 1 | x | | | | | | 1/22/15 | 945 | x | | | | | - | 1 | | | + |
| B | SW #1 [Pad] | | 1 | | x | | | | | | 1/22/15 | 940 | x | (| | | | + | 1 | | + | + |
| DY | WW #1 [Pad] | + | 1 | 1.1 | x | | | | | | 1/22/15 | 935 | x | | | | | - | | | + | - |
| 05 | Floor @ 1' [Pad] | + | 1 | | x | + | - | | | + | 1/22/15 | 1040 | x | x | x | | | | | | - | + |
| | | | | | + | t | 1 | | | ł | | | | - | - | - | | | | | | |
| _ | | + | | | | | | | | T | | | | | | | | - | | | - | + |
| | | | - | | + | + | - | | | + | | | | | | | | | | | - | - |
| LEASE NOTE: Liability and Dar | mages. Cardinal's fability and client's exclusive remedy for a | ty claim arisi | - | halfs of house | 1 | | | | | L | | | | | | | | | | | | |

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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 subdiclaries,

affliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim

| Relinquished By: | Date: 1/0 c / Received By: | asons or otherwise. | |
|------------------------------|------------------------------|--|--|
| | Date: 1/23/6 Received By: | Phone Result: Yes No Add'l Phone #: | |
| 110 M. 1A | Time: 1010 Malao | Fax Result: Ves No Add'I Fax #: | |
| ac man | 1 3/1 1/10 | REMARKS: | |
| Relinquished By: | Date: Received By: | | |
| 6/10-1 | 1/23/15 | | |
| 111. | Time: | Places and the second | |
| Dational De 101 1 0 | 1905 1111 10010 | Please email results to pm@basinenv.com, | |
| Delivered By: (Circle One) | Sample Condition CHECKED BY: | TASavoie@BassPet.com, acruth@basspet.com | |
| Sampler - UPS - Bus - Other: | Cool Intact (Initials) | | |
| sumpler of 5 - bus - Other: | -6.6°C Pres Pres Colu | | |
| | Y S C No No | | |
| | | | |

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

FORM-006 Revision 1.0



February 20, 2015

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: BEU DI 9 #34 WATER LEG

Enclosed are the results of analyses for samples received by the laboratory on 02/16/15 9:15.

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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

| Received: | 02/16/2015 | Sampling Date: | 02/13/2015 |
|-------------------|------------------------|---------------------|---------------|
| Reported: | 02/20/2015 | Sampling Type: | Soil |
| Project Name: | BEU DI 9 #34 WATER LEG | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: FLOOR #1A (H500446-01)

| BTEX 8021B | mg | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/20/2015 | ND | 1.76 | 87.9 | 2.00 | 14.0 | |
| Toluene* | <0.050 | 0.050 | 02/20/2015 | ND | 1.77 | 88.3 | 2.00 | 14.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/20/2015 | ND | 1.77 | 88.6 | 2.00 | 14.2 | |
| Total Xylenes* | <0.150 | 0.150 | 02/20/2015 | ND | 5.20 | 86.7 | 6.00 | 14.8 | |
| Total BTEX | <0.300 | 0.300 | 02/20/2015 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 | % 61-154 | 1 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 496 | 16.0 | 02/17/2015 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 02/18/2015 | ND | 208 | 104 | 200 | 0.438 | |
| DRO >C10-C28 | 40.4 | 10.0 | 02/18/2015 | ND | 196 | 98.0 | 200 | 0.534 | |
| EXT DRO >C28-C35 | 11.9 | 10.0 | 02/18/2015 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.1 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 99.1 | % 52.1-17 | 6 | | | | | | |

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 02/16/2015 | Sampling Date: | 02/13/2015 |
|-------------------|------------------------|---------------------|---------------|
| Reported: | 02/20/2015 | Sampling Type: | Soil |
| Project Name: | BEU DI 9 #34 WATER LEG | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: FLOOR #2B (H500446-02)

| BTEX 8021B | mg | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 10.3 | 5.00 | 02/20/2015 | ND | 1.79 | 89.6 | 2.00 | 10.4 | |
| Toluene* | 103 | 5.00 | 02/20/2015 | ND | 1.79 | 89.3 | 2.00 | 12.4 | |
| Ethylbenzene* | 18.0 | 5.00 | 02/20/2015 | ND | 1.80 | 89.9 | 2.00 | 12.6 | |
| Total Xylenes* | 181 | 15.0 | 02/20/2015 | ND | 5.32 | 88.7 | 6.00 | 13.2 | |
| Total BTEX | 313 | 30.0 | 02/20/2015 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 112 | % 61-154 | 1 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 02/17/2015 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 4930 | 50.0 | 02/18/2015 | ND | 208 | 104 | 200 | 0.438 | |
| DRO >C10-C28 | 14400 | 50.0 | 02/18/2015 | ND | 196 | 98.0 | 200 | 0.534 | |
| EXT DRO >C28-C35 | 2010 | 50.0 | 02/18/2015 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 178 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 246 | % 52.1-17 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 02/16/2015 | Sampling Date: | 02/13/2015 |
|-------------------|------------------------|---------------------|---------------|
| Reported: | 02/20/2015 | Sampling Type: | Soil |
| Project Name: | BEU DI 9 #34 WATER LEG | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: FLOOR #2C (H500446-03)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/20/2015 | ND | 1.79 | 89.6 | 2.00 | 10.4 | |
| Toluene* | 0.161 | 0.050 | 02/20/2015 | ND | 1.79 | 89.3 | 2.00 | 12.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/20/2015 | ND | 1.80 | 89.9 | 2.00 | 12.6 | |
| Total Xylenes* | <0.150 | 0.150 | 02/20/2015 | ND | 5.32 | 88.7 | 6.00 | 13.2 | |
| Total BTEX | <0.300 | 0.300 | 02/20/2015 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 108 9 | % 61-154 | ! | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 02/17/2015 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 11.4 | 10.0 | 02/18/2015 | ND | 208 | 104 | 200 | 0.438 | |
| DRO >C10-C28 | 22.1 | 10.0 | 02/18/2015 | ND | 196 | 98.0 | 200 | 0.534 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 02/18/2015 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 90.4 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 90.2 | % 52.1-17 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 02/16/2015 | Sampling Date: | 02/13/2015 |
|-------------------|------------------------|---------------------|---------------|
| Reported: | 02/20/2015 | Sampling Type: | Soil |
| Project Name: | BEU DI 9 #34 WATER LEG | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SP #1 @ 6" (H500446-04)

| BTEX 8021B | mg/ | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/20/2015 | ND | 1.79 | 89.6 | 2.00 | 10.4 | |
| Toluene* | 0.059 | 0.050 | 02/20/2015 | ND | 1.79 | 89.3 | 2.00 | 12.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/20/2015 | ND | 1.80 | 89.9 | 2.00 | 12.6 | |
| Total Xylenes* | <0.150 | 0.150 | 02/20/2015 | ND | 5.32 | 88.7 | 6.00 | 13.2 | |
| Total BTEX | <0.300 | 0.300 | 02/20/2015 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 9 | % 61-154 | | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 02/17/2015 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 02/18/2015 | ND | 208 | 104 | 200 | 0.438 | |
| DRO >C10-C28 | <10.0 | 10.0 | 02/18/2015 | ND | 196 | 98.0 | 200 | 0.534 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 02/18/2015 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.3 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 91.7 | % 52.1-17 | 6 | | | | | | |

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| Received: | 02/16/2015 | Sampling Date: | 02/13/2015 |
|-------------------|------------------------|---------------------|---------------|
| Reported: | 02/20/2015 | Sampling Type: | Soil |
| Project Name: | BEU DI 9 #34 WATER LEG | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SP #2 @ 6" (H500446-05)

| BTEX 8021B | mg/ | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 8.62 | 2.00 | 02/20/2015 | ND | 1.79 | 89.6 | 2.00 | 10.4 | |
| Toluene* | 85.8 | 2.00 | 02/20/2015 | ND | 1.79 | 89.3 | 2.00 | 12.4 | |
| Ethylbenzene* | 26.6 | 2.00 | 02/20/2015 | ND | 1.80 | 89.9 | 2.00 | 12.6 | |
| Total Xylenes* | 125 | 6.00 | 02/20/2015 | ND | 5.32 | 88.7 | 6.00 | 13.2 | |
| Total BTEX | 246 | 12.0 | 02/20/2015 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 116 9 | % 61-154 | | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 576 | 16.0 | 02/17/2015 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 3440 | 50.0 | 02/18/2015 | ND | 208 | 104 | 200 | 0.438 | |
| DRO >C10-C28 | 10500 | 50.0 | 02/18/2015 | ND | 196 | 98.0 | 200 | 0.534 | |
| EXT DRO >C28-C35 | 1540 | 50.0 | 02/18/2015 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 216 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 185 | % 52.1-17 | 6 | | | | | | |

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| Received: | 02/16/2015 | Sampling Date: | 02/13/2015 |
|-------------------|------------------------|---------------------|---------------|
| Reported: | 02/20/2015 | Sampling Type: | Soil |
| Project Name: | BEU DI 9 #34 WATER LEG | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SP #3 @ 8' (H500446-06)

| BTEX 8021B | mg/ | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 0.263 | 0.050 | 02/20/2015 | ND | 1.79 | 89.6 | 2.00 | 10.4 | |
| Toluene* | 1.02 | 0.050 | 02/20/2015 | ND | 1.79 | 89.3 | 2.00 | 12.4 | |
| Ethylbenzene* | 0.135 | 0.050 | 02/20/2015 | ND | 1.80 | 89.9 | 2.00 | 12.6 | |
| Total Xylenes* | 0.549 | 0.150 | 02/20/2015 | ND | 5.32 | 88.7 | 6.00 | 13.2 | |
| Total BTEX | 1.97 | 0.300 | 02/20/2015 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 61-154 | ! | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 416 | 16.0 | 02/17/2015 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 16.1 | 10.0 | 02/18/2015 | ND | 208 | 104 | 200 | 0.438 | |
| DRO >C10-C28 | 26.7 | 10.0 | 02/18/2015 | ND | 196 | 98.0 | 200 | 0.534 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 02/18/2015 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.9 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 98.6 | % 52.1-17 | 6 | | | | | | |

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| Received: | 02/16/2015 | Sampling Date: | 02/13/2015 |
|-------------------|------------------------|---------------------|---------------|
| Reported: | 02/20/2015 | Sampling Type: | Soil |
| Project Name: | BEU DI 9 #34 WATER LEG | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SP #3 @ 9' (H500446-07)

| BTEX 8021B | mg, | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/20/2015 | ND | 1.79 | 89.6 | 2.00 | 10.4 | |
| Toluene* | 0.231 | 0.050 | 02/20/2015 | ND | 1.79 | 89.3 | 2.00 | 12.4 | |
| Ethylbenzene* | 0.076 | 0.050 | 02/20/2015 | ND | 1.80 | 89.9 | 2.00 | 12.6 | |
| Total Xylenes* | 0.451 | 0.150 | 02/20/2015 | ND | 5.32 | 88.7 | 6.00 | 13.2 | |
| Total BTEX | 0.758 | 0.300 | 02/20/2015 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 107 | % 61-154 | 1 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 02/17/2015 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 18.6 | 10.0 | 02/18/2015 | ND | 208 | 104 | 200 | 0.438 | |
| DRO >C10-C28 | 194 | 10.0 | 02/18/2015 | ND | 196 | 98.0 | 200 | 0.534 | |
| EXT DRO >C28-C35 | 33.7 | 10.0 | 02/18/2015 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 96.9 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 97.1 | % 52.1-17 | 6 | | | | | | |

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

| Received: | 02/16/2015 | Sampling Date: | 02/13/2015 |
|-------------------|------------------------|---------------------|---------------|
| Reported: | 02/20/2015 | Sampling Type: | Soil |
| Project Name: | BEU DI 9 #34 WATER LEG | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SP #3 @ 11' (H500446-08)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/20/2015 | ND | 1.79 | 89.6 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 02/20/2015 | ND | 1.79 | 89.3 | 2.00 | 12.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/20/2015 | ND | 1.80 | 89.9 | 2.00 | 12.6 | |
| Total Xylenes* | <0.150 | 0.150 | 02/20/2015 | ND | 5.32 | 88.7 | 6.00 | 13.2 | |
| Total BTEX | <0.300 | 0.300 | 02/20/2015 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 109 9 | % 61-154 | 1 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 02/17/2015 | ND | 416 | 104 | 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 | 10.3 | 10.0 | 02/18/2015 | ND | 208 | 104 | 200 | 0.438 | |
| DRO >C10-C28 | 111 | 10.0 | 02/18/2015 | ND | 196 | 98.0 | 200 | 0.534 | |
| EXT DRO >C28-C35 | 17.9 | 10.0 | 02/18/2015 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.3 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 96.9 | % 52.1-17 | 6 | | | | | | |

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

| Received: | 02/16/2015 | Sampling Date: | 02/13/2015 |
|-------------------|------------------------|---------------------|---------------|
| Reported: | 02/20/2015 | Sampling Type: | Soil |
| Project Name: | BEU DI 9 #34 WATER LEG | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SP #4 @ 1.5' (H500446-09)

| BTEX 8021B | mg/ | ′kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/20/2015 | ND | 1.79 | 89.6 | 2.00 | 10.4 | |
| Toluene* | 0.052 | 0.050 | 02/20/2015 | ND | 1.79 | 89.3 | 2.00 | 12.4 | |
| Ethylbenzene* | 0.051 | 0.050 | 02/20/2015 | ND | 1.80 | 89.9 | 2.00 | 12.6 | |
| Total Xylenes* | <0.150 | 0.150 | 02/20/2015 | ND | 5.32 | 88.7 | 6.00 | 13.2 | |
| Total BTEX | <0.300 | 0.300 | 02/20/2015 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 108 9 | % 61-154 | ! | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 02/17/2015 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 02/18/2015 | ND | 208 | 104 | 200 | 0.438 | |
| DRO >C10-C28 | <10.0 | 10.0 | 02/18/2015 | ND | 196 | 98.0 | 200 | 0.534 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 02/18/2015 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.4 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 95.0 | % 52.1-17 | 6 | | | | | | |

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

| Received: | 02/16/2015 | Sampling Date: | 02/13/2015 |
|-------------------|------------------------|---------------------|---------------|
| Reported: | 02/20/2015 | Sampling Type: | Soil |
| Project Name: | BEU DI 9 #34 WATER LEG | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SP #5 @ 4' (H500446-10)

| BTEX 8021B | mg/ | ′kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 0.766 | 0.050 | 02/20/2015 | ND | 1.79 | 89.6 | 2.00 | 10.4 | |
| Toluene* | 6.53 | 0.050 | 02/20/2015 | ND | 1.79 | 89.3 | 2.00 | 12.4 | |
| Ethylbenzene* | 1.59 | 0.050 | 02/20/2015 | ND | 1.80 | 89.9 | 2.00 | 12.6 | |
| Total Xylenes* | 6.95 | 0.150 | 02/20/2015 | ND | 5.32 | 88.7 | 6.00 | 13.2 | |
| Total BTEX | 15.8 | 0.300 | 02/20/2015 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 122 | % 61-154 | ! | | | | | | |
| Chloride, SM4500Cl-B | mg, | ′kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 02/17/2015 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 121 | 10.0 | 02/18/2015 | ND | 208 | 104 | 200 | 0.438 | |
| DRO >C10-C28 | 515 | 10.0 | 02/18/2015 | ND | 196 | 98.0 | 200 | 0.534 | |
| EXT DRO >C28-C35 | 76.0 | 10.0 | 02/18/2015 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 99.6 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 97.1 | % 52.1-17 | 6 | | | | | | |

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Notes and Definitions

| S-06 | The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's. |
|------|--|
| 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 SM4500CI-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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 13 of 13

| Company Name: | | | | | | | | 6 | 3/1 | LL TO | | | | | | ANAL | YSIS | REG | QUES | т | | _ |
|--|-------------------|--------------|---------------------------|------|------|-------------------|--------------------|------------|---------|---------|------|----------|-------------|--------------|---------|------|------|-----|------|-----|---|---|
| Project Manager: Joel Lowry | | | | | | P | .0. # | ŧ: | | | | 1 | | | | | | | | Γ T | | T |
| Address: P.O. Box 301 | | | | | | c | Company: BOPCO, LP | | | 1 | | | | | | | | | | | | |
| | | | | | ttn: | | | Tony Savo | | 1 | | | | | | | | | | | | |
| Phone #: (575)396-2378 Fax # | (575)396-1 | 429 | - | | | | ddre | SS: | _ | | | | | | | | | | | | | |
| Project #: Proje | t Owner: | | | | | | ity: | | | | | | | | | | | | | | | |
| Project Name: BEU DI 9 #34 Water Leg | | | | | | | - | NM | | 7in' | | 1. | ŝ | 18 | 1 d | | | | | | | |
| Project Location: Eddy Co., NM | | | | | | | hone | - | | zip. | _ | Chloride | TPH (8015M) | BTEX (8021B) | FOR TPH | | | | | | | |
| Sampler Name: Billy Blackwood | | | | - | | | ax #: | | | _ | | Pf 1 | 1 (8) | × | | | | | | | | |
| FOR LAB USE ONLY | 1 | T | | MA | TRIX | _ | _ | ESER | v. | SAMPLI | NG | 0 | đ | 3TE | НОГР | | | | | | | |
| 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 | | | | T | _ | | | | | | |
| Floor #1a | | 1 | | x | | | | x | | 2/13/15 | | x | х | x | | | | | | | | |
| Z Floor #2b 3 Floor #2c | | 1 | | x | | | | x | | 2/13/15 | | x | x | x | | | | | | | | 1 |
| 3 Floor #2c | | 1 | | x | | | | x | | 2/13/15 | | x | x | x | | | | | | | | 1 |
| Q SP #1 @ 6" | | 1 | | x | | | | x | T | 2/13/15 | | x | x | x | | | | | | | | 1 |
| SP #2 @ 6" | | 1 | | x | | | | x | T | 2/13/15 | | x | x | x | | | | | | | | - |
| 6 SP #3 @ 8' | | 1 | | x | | | | x | T | 2/13/15 | (| x | x | x | | | 1 | | | | - | + |
| SP #3 @ 9' | | 1 | | x | | | | x | T | 2/13/15 | | x | x | x | | | | | | - | + | + |
| 8 SP #3 @ 11' | | 1 | | x | | | | x | t | 2/13/15 | | x | x | x | | | - | | - | -+ | - | + |
| SP #3 @ 8' 7 SP #3 @ 9' 8 SP #3 @ 11' 9 SP #4 @ 1.5' | | 1 | | x | | | | x | t | 2/13/15 | | x | x | x | | | | | | | - | - |
| 10 SP #5 @ 4' | | 1 | | x | | | | x | T | 2/13/15 | | x | x | x | | | | | | | + | + |

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 the client for the 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 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.

| Relinquished By: | Date: Received By: | Phone Result: Ves No Add'l Phone #: | |
|--|---|--|--|
| \cap () | | Fax Result: Ves INo Add'I Fax #: | |
| - all found | 7:15 DK blackum | REMARKS: | |
| Rel/nguished By: Delivered By: (Circle One) Sampler - UPS - Bus - Other: | Date: 2-16-15 Time: 9:15 U 9 U 9 U 9 Cool Intact U 9 U 9 U 9 Cool Intact U 9 U 9 U 9 U 9 U 9 U 9 U 9 U 9 | Please email results to pm@basinenv.com, TASavoie@BassPet.com, acruth@basspet.com | |

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



February 18, 2015

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: BEU DI 9 #34 WATER LEG

Enclosed are the results of analyses for samples received by the laboratory on 02/17/15 12:10.

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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

| Received: | 02/17/2015 | Sampling Date: | 02/16/2015 |
|-------------------|------------------------|---------------------|---------------|
| Reported: | 02/18/2015 | Sampling Type: | Soil |
| Project Name: | BEU DI 9 #34 WATER LEG | Sampling Condition: | Cool & Intact |
| Project Number: | EDDY COUNTY, NM | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SP #3 @ 12.5' (H500463-01)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/18/2015 | ND | 1.65 | 82.7 | 2.00 | 11.1 | |
| Toluene* | <0.050 | 0.050 | 02/18/2015 | ND | 1.59 | 79.4 | 2.00 | 11.5 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/18/2015 | ND | 1.51 | 75.3 | 2.00 | 11.7 | |
| Total Xylenes* | <0.150 | 0.150 | 02/18/2015 | ND | 4.37 | 72.9 | 6.00 | 11.6 | |
| Total BTEX | <0.300 | 0.300 | 02/18/2015 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 75.8 | % 61-154 | ! | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 02/17/2015 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 11.0 | 10.0 | 02/17/2015 | ND | 207 | 104 | 200 | 1.45 | |
| DRO >C10-C28 | 65.7 | 10.0 | 02/17/2015 | ND | 187 | 93.6 | 200 | 1.95 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 02/17/2015 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.3 | 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 97.1 | % 52.1-17 | 6 | | | | | | |

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*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 02/17/2015 | Sampling Date: | 02/16/2015 |
|-------------------|------------------------|---------------------|---------------|
| Reported: | 02/18/2015 | Sampling Type: | Soil |
| Project Name: | BEU DI 9 #34 WATER LEG | Sampling Condition: | Cool & Intact |
| Project Number: | EDDY COUNTY, NM | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: FLOOR #2B @ 2' (H500463-02)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/18/2015 | ND | 1.65 | 82.7 | 2.00 | 11.1 | |
| Toluene* | <0.050 | 0.050 | 02/18/2015 | ND | 1.59 | 79.4 | 2.00 | 11.5 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/18/2015 | ND | 1.51 | 75.3 | 2.00 | 11.7 | |
| Total Xylenes* | <0.150 | 0.150 | 02/18/2015 | ND | 4.37 | 72.9 | 6.00 | 11.6 | |
| Total BTEX | <0.300 | 0.300 | 02/18/2015 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 76.1 | % 61-154 | | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 02/17/2015 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 02/17/2015 | ND | 207 | 104 | 200 | 1.45 | |
| DRO >C10-C28 | <10.0 | 10.0 | 02/17/2015 | ND | 187 | 93.6 | 200 | 1.95 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 02/17/2015 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 84.3 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 91.9 | % 52.1-17 | 6 | | | | | | |

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 02/17/2015 | Sampling Date: | 02/16/2015 |
|-------------------|------------------------|---------------------|---------------|
| Reported: | 02/18/2015 | Sampling Type: | Soil |
| Project Name: | BEU DI 9 #34 WATER LEG | Sampling Condition: | Cool & Intact |
| Project Number: | EDDY COUNTY, NM | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: FLOOR #3 @ 1' (H500463-03)

| BTEX 8021B | mg, | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/18/2015 | ND | 1.65 | 82.7 | 2.00 | 11.1 | |
| Toluene* | <0.050 | 0.050 | 02/18/2015 | ND | 1.59 | 79.4 | 2.00 | 11.5 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/18/2015 | ND | 1.51 | 75.3 | 2.00 | 11.7 | |
| Total Xylenes* | <0.150 | 0.150 | 02/18/2015 | ND | 4.37 | 72.9 | 6.00 | 11.6 | |
| Total BTEX | <0.300 | 0.300 | 02/18/2015 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 77.0 | % 61-154 | ! | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 02/17/2015 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 02/17/2015 | ND | 207 | 104 | 200 | 1.45 | |
| DRO >C10-C28 | <10.0 | 10.0 | 02/17/2015 | ND | 187 | 93.6 | 200 | 1.95 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 02/17/2015 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 90.4 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 91.6 | % 52.1-17 | 6 | | | | | | |

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Celeg D. Keine

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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 6



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Project Manage | | | | | | | _ | | | BILL T | 0 | | | | - | | | _ | | |
|---|---|-------------------------|--------------|-----------------------------|-----------|------------|---------|------------|-----------|-------------------------------------|--|----------|-------------|-------------------|--------------|----------------------------------|--------|-------|---|---|
| Address: P.(| | | _ | | | _ | - | P.O. | #: | | | - | T | T | 1 | ANALYS | IS REC | QUEST | | |
| City: Lovingt | State: NM | 1 7 | in. | 8826 | 0 | | - | Com | pany: | в | OPCO, LP | | | 1 | 1 | | | | | Ι |
| | 5)396-2378 Fax #: (575 | | | | 0 | | | Attn: | | Tony | | | | | | | | | | |
| Project #: | Destante | | 142 | .9 | | _ | | Addre | SS: | | | | | 1 | 1 | | 1 1 | | | |
| Project Name: | BEU DI 9 #34 Water Leo | | - | | | _ | 1 | City: | _ | | | | | | 1 - | | | | | |
| roject Location | Eddy Co., NM | | | | | | 5 | State: | NM | Zip: | | 1. | ŝ | a l | H | | | | | |
| Sampler Name: | Bill Wooly | _ | _ | | | | | hone | | | | ride | 0151 | 021 | RT | | | | | |
| FOR LAB USE ONLY | | - | - | - | | _ | F | ax #: | | | | Chloride | TPH (8015M) | BTEX (8021B) | HOLD FOR TPH | | | | | |
| 1 - Th | | 4 | | 1 | MA | TRIX | - | PRE | SERV | SAMP | LING | -l° | TP | E | 2 | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER | SOIL | SLUDGE | OTHER : | ACID/BASE: | OTHER : | | | | | | Ĩ | | | | | |
| 2 | SP #3 @ 12.5' | | 1 | | x | 0 0 | 0 | | | | TIME | | | | 1 | | | | | |
| 3 | Floor #2b @ 2' | | 1 | 1 | x | | H | | | 2/16/12 | | x | x | x | | | | - | | 1 |
| | Floor #3 @ 1' | | 1 | | x | 1 | | x | | 2/16/15 | | x | x | x | | | - | - | + | |
| | | | | | | | | × | | 2/16/15 | - | x | x | x | | | - | - | | - |
| | | | 1 | | | | | | H | - | - | | | | | | | | | - |
| | | | 1 | 11 | | | | | T | | - | - | - | | | | | | | + |
| | | | 1 | 11 | | | | | T | | - 1 | | | - | - | | | | | + |
| | | - | + | ++ | - | 11 | | | | | | - | | - | - | | | | | + |
| E NOTE: Liability and Co | | - | + | 1-1 | - | 11 | 1 | | | | - | - | + | - | | | | | | + |
| All claims including those in no event shall Carried b | lages. Cardinal's lability and client's exclusive remedy for any da for negligence and any other cause shattoever shall be deene te lable for incidental or consequential damages, including witho for related to the performance of services hereunder by Cerdina | in arising | whet | her based (| n contra | ct or tor | | | | | | - | + | - | - | | | | | T |
| quished By: | s for negligence and any other cause shallowere shall be deene be lable for incidental or consequential damages. Including without for related to the performance of services hermunder by Cardina Dates | d waived of limitati | on, but | s made in v siness inter | witing an | nd receive | ed by 0 | Cardinal w | to the am | tount paid by the tays after comple | client for the | | _ | 1 | | | | | | T |
| und for quished By: | Time :: 10 Date: E Time: Time: Time: | Rege | ved | By: By: | . 1 | K | le | M | D | DMR | otherwise. hone Result ax Result: EMARKS: | t: 0 | | No No to pm | Add | 11 Phone #: 11 Fax #: R.U. | 51 | 1:1 | | |
| ler - UPS - Bus | 1. | | - | Ves No | Intact | es | | CHEC | 1H | 4 | | | | | | h@basspet. | com | | | |
| livered Bv: (Cir pler-UPS - Bus | rcle One) s - Other: -/.L | 40 | - | Sample Cool Yes | Intact | es | | 10 | 1H | 4 | Please e TASavoi | | | | | kinenv.com, h@basspet. | S† | 4? } | | |



February 25, 2015

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

RE: BEU DI 9 FWKO

Enclosed are the results of analyses for samples received by the laboratory on 02/24/15 13:55.

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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

| Received: | 02/24/2015 | Sampling Date: | 02/24/2015 |
|-------------------|---------------|---------------------|---------------|
| Reported: | 02/25/2015 | Sampling Type: | Soil |
| Project Name: | BEU DI 9 FWKO | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | BOPCO | | |

Sample ID: SP #2 @ 2' BGS (H500520-01)

| Chloride, SM4500Cl-B | hloride, SM4500Cl-B mg/kg | | Analyze | d By: AP | | | | | |
|-------------------------------|---------------------------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 02/25/2015 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 603 | 10.0 | 02/24/2015 | ND | 205 | 103 | 200 | 0.704 | |
| DRO >C10-C28 | 2660 | 10.0 | 02/24/2015 | ND | 200 | 99.9 | 200 | 0.351 | |
| EXT DRO >C28-C35 | 370 | 10.0 | 02/24/2015 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 119 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 104 | % 52.1-17 | 6 | | | | | | |

Sample ID: SP #2 @ 4' BGS (H500520-02)

| Chloride, SM4500CI-B mg/l | | /kg | Analyzed By: AP | | | | | | |
|-------------------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 02/25/2015 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 02/24/2015 | ND | 205 | 103 | 200 | 0.704 | |
| DRO >C10-C28 | <10.0 | 10.0 | 02/24/2015 | ND | 200 | 99.9 | 200 | 0.351 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 02/24/2015 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 82.8 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 80.6 | % 52.1-17 | 6 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine



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

| Received: | 02/24/2015 | Sampling Date: | 02/24/2015 |
|-------------------|---------------|---------------------|---------------|
| Reported: | 02/25/2015 | Sampling Type: | Soil |
| Project Name: | BEU DI 9 FWKO | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | BOPCO | | |

Sample ID: SP #2 @ 6' BGS (H500520-03)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 02/25/2015 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 02/24/2015 | ND | 205 | 103 | 200 | 0.704 | |
| DRO >C10-C28 | <10.0 | 10.0 | 02/24/2015 | ND | 200 | 99.9 | 200 | 0.351 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 02/24/2015 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.7 | % 47.2-15 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 87.0 | % 52.1-17 | 6 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine



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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Celeg D. Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name: Basin Environmental Service Technologies, LLC | | | C | BILL TO | | | | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | |
|--|-----------|-----|--------------|------------|-------------------------------|-----|--------|---------|------------|------------|------------------|---------------------|------|----|-------|-----------|------|----|---|---|---|-----|-----|---|-----|-----|---|
| Project Manager: Ben J. Arguijo Address: P.O. Box 301 | | | | | P.O. #: Company: BOPCO, LP | | | | T | | T | T | T | T | T | T | T | 1 | | _ | _ | | | | | | |
| | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| | e: NM Z | ip: | 88 | 260 | | | | | Attn: Tony | | | | | 1 | | | | | | | | - 1 | | | | | |
| Phone #: (575)396-2378 Fax | :(575)396 | -14 | 129 | | | | | | | | | ress: 522 W. Mermod | | | | | | | | | | | - 1 | | | | |
| Project #: Proje | ct Owner: | BOP | co, | LP | | | | | | | | bad | | | | | | | | 1 | | | | | - 1 | - 1 | |
| Project Name: BEU DI 9 FWKO | | | | | | | | | - | : NM | | Zip: 882 | 20 | | | | | | | | | | | | | | |
| Project Location: BEU DI 9 | | | | | | | | PI | hon | e #: | | 32) 556-8 | | | | | | | | | | | | | | | |
| Sampler Name: Jody Walters | | | | | | | | | ax # | | | | | | | | | | | | 1 | | | | | | |
| FOR LAB USE ONLY | | Τ | Т | | M | ATR | х | | - | ESE | RV. | SAMPL | ING | | | 1 | | | | | | | | | | | |
| Lab I.D. Sample I.D. ASDD520 I = SP # 2 @ 2' B45 Z = SP # 2 @ 4' B45 SP # 2 @ 6' B45 | | | # CONTAINERS | WASTEWATED | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | ICE / COOL | OTHER : | DATE | TIN | NE | Boism | Hold BTEX | Rush | 01 | | | | | | | | | |
| 1 B.SP# 2@ 2'865 | G | | 1 | | | 4 | | | | Y | | 2-24-15 | 11:0 | D | X | X | X | × | - | + | + | + | + | - | + | - | |
| - St#2 @ 4'B65 | G | | 1 | | X | | | | | x | | 2-24-15 | | | X | X | X | X | | 1 | - | + | + | - | | | |
| 3 SP#Z@ 6'B65 | G | 4 | 1 | + | X | 1 | | | | ¥ | | 2-24-15 | | | X | x | X | X | | | 1 | + | + | + | - | - | |
| | | ł | ł | + | - | - | - | | | | | | | | | | | | | | | | 1 | | | - | |
| | - | ł | ł | + | + | - | - | - | | | - | | | | | | | | - | | | | | | | | _ |
| | | t | t | + | + | - | | | | - | + | | | - | | | | | | | | | | | | | |
| | | t | t | t | t | - | | - | | - | + | | _ | - | | - | | | | | - | | | | | | |
| | | t | t | 1 | + | | | - | | | + | | - | - | | - | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Relinguisted By: | 2-29-13 | Veli Henson | Phone Result: Yes No Add'I Phone #: Fax Result: Yes No Add'I Fax #: REMARKS: |
|--|---------------------------|--|--|
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | 5.8% | Sample Condition CHECKED BY: Cool Intact (Initials) | Please email results to pm@basinenv.com & TAsavoie@BassPet.com |
| † Cardinal cannot accept verba | al changes. Please fax wr | | |

#54



February 27, 2015

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

RE: BEU DI 9 FWKO

Enclosed are the results of analyses for samples received by the laboratory on 02/26/15 16:20.

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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

| Received: | 02/26/2015 | Sampling Date: | 02/26/2015 |
|-------------------|---------------|---------------------|---------------|
| Reported: | 02/27/2015 | Sampling Type: | Soil |
| Project Name: | BEU DI 9 FWKO | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | EDDY, NM | | |

Sample ID: STOCK PILE (H500560-01)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 544 | 16.0 | 02/27/2015 | ND | 400 | 100 | 400 | 0.00 | | |
| TPH 8015M mg | | /kg | Analyze | d By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | 857 | 50.0 | 02/27/2015 | ND | 201 | 101 | 200 | 2.21 | | |
| DRO >C10-C28 | 4920 | 50.0 | 02/27/2015 | ND | 186 | 92.8 | 200 | 4.05 | | |
| EXT DRO >C28-C35 | 738 | 50.0 | 02/27/2015 | ND | | | | | | |
| Surrogate: 1-Chlorooctane | 114 | % 47.2-15 | 7 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 109 | % 52.1-17 | 6 | | | | | | | |

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Celeg D. Keine

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of 4

101 East Marland, Hobbs, NM 88240

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

| Company Name: Basin Environmental Service Technologies, LLC | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | |
|---|------------------|--------------|-------------|------------|-------------------|-------------------|---------|------------------|-----------------------|-----------|----------|-------------|---------|--------|--|---|--|-------|
| Project Manager: Ben Arguijo | | | P.(| 0. #: | n | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Co | Company: BOPCO,LP | | O.LP | 1 | | | | | | | | | | |
| City: Lovington State: NM | Zip | : 8 | 826 | 0 | | | At | _ | | Tony Save | bie | - | | - | | | | - |
| Phone #: (575)396-2378 Fax #: (575)39 | 96-14 | 29 | | | | | Ad | dres | ss: | 522 W. M | | 1 | | | | | | |
| Project #: AFE 26056 Project Owner | | | | | | | Cit | y: | | Carlsbac | | | | | | - | | |
| Project Name: BEU DI 9 FWKO | | | | | | | | | NM | | 88220 | | (WS | 18 | | | | |
| Project Location: Eddy , N.M. | | | | | | | | one | | | Chloride | TPH (8015M) | (8021B) | | | | | |
| Sampler Name: Bill Wooley | | | | | | | 1 | ax #: | | | 0.00 | Ĭ | H | BTEX (| | | | |
| FOR LAB USE ONLY MATR | | | IATRI | х | | PRESERV. SAMPLING | | | 1 | 1 | E I | | | | | | | |
| Lab I.D. Sample I.D. | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | SLUDGE | OTHER : | ACID/BASE: | ICE / COOL OTHER : | DATE | TIME | | | | | | | |
| Stock Pile | C | 1 | | | X | | | | х | 2/26/2015 | 15/45 | X | X | | | - | | 1.0 |
| | | | | | - | 1 | | | | | | | | | | | | - |
| | | | | | - | - | - | | | | _ | | | | | | | _ |
| | | | | | | 1 | | | | | | | | | | | | |
| | | | | | - | 1 | | | | | | | | | | | | |
| | | | | | - | + | + | | - | | | - | | | | | | |
| | | | | | 1 | 1 | 1 | | | | | 1 | | | | | | - |

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analyses. All claims including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within 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, recardiess of whether such claim is based upon any of the above stated mesons or otherwise

| Relinquished By: | Date: 2-26-15 Received By: | Phone Result: Ves No Add'l Phone #: |
|--|--|--|
| Bill Wooley Relinquished By: | 2-26-15 Time: 16:00 Date: 2-26:15 Time: 2:20 Time: Time: 2:20 Time: Time: Time: 2:20 Time: Time: Time: 2:20 Time: Time: 2:20 Ti | Fax Result: Yes No Add'l Fax #: REMARKS: RESERVENTING Reservention |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | 2.6C Sample Condition CHECKED B Cool Intact (Initials) Diffes Pres | Please email results to pm@basinenv.com & Tasavoie@BassPet.com Y: |
| FORM-006 Revision 1.0 | † Cardinal cannot accept verbal changes. Ple | ease fax written changes to 575-393-2476 |