



March 06, 2015

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: BEU DI #4

Enclosed are the results of analyses for samples received by the laboratory on 03/03/15 14:55.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 03/03/2015
 Reported: 03/06/2015
 Project Name: BEU DI #4
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 03/02/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: WSW @ 4' (H500590-01)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 03/04/2015 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: S. CENTER SW @ 4' (H500590-02)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 03/04/2015 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: NW FLOOR @ 4' (H500590-03)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 03/04/2015 | ND | 432 | 108 | 400 | 3.77 | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 03/03/2015
 Reported: 03/06/2015
 Project Name: BEU DI #4
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 03/02/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: RP. FLOOR @ 4' (H500590-04)

| BTEX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/05/2015 | ND | 1.55 | 77.6 | 2.00 | 10.8 | |
| Toluene* | <0.050 | 0.050 | 03/05/2015 | ND | 1.37 | 68.4 | 2.00 | 10.5 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/05/2015 | ND | 1.50 | 75.2 | 2.00 | 12.1 | |
| Total Xylenes* | <0.150 | 0.150 | 03/05/2015 | ND | 3.88 | 64.6 | 6.00 | 13.4 | |
| Total BTEX | <0.300 | 0.300 | 03/05/2015 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 79.0 % 61-154

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 03/04/2015 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 03/04/2015 | ND | 180 | 89.8 | 200 | 1.28 | |
| DRO >C10-C28 | <10.0 | 10.0 | 03/04/2015 | ND | 171 | 85.6 | 200 | 0.726 | |
| EXT DRO >C28-C35 | <10.0 | 10.0 | 03/04/2015 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 86.0 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

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



Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| Company Name: Joel Lowry Project Manager: P.O. Box 301 Address: Lovington City: Lovington Phone #: (575)396-2378 Project #: Project Name: BEU DI #4 Project Location: Eddy Co., NM Sampler Name: Steve Taylor | | State: NM Zip: 88260 Attn: Tony Saviole Address: City: State: NM Zip: Phone #: Fax #: | | BILL TO P.O. #: AFE #26074 Company: BOPCO, LP Attn: Tony Saviole Address: City: State: NM Zip: Phone #: Fax #: | | ANALYSIS REQUEST | |
| FOR LAB USE ONLY | | MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : | | PRESERV. ACID/BASE: ICE / COOL OTHER : | | SAMPLING DATE TIME | |
| Lab I.D. H500590 | | (G)RAB OR (C)OMP. # CONTAINERS 1 | | DATE 3/2/15 1500 | | Chloride TPH (8015M) BTEX (8021B) HOLD FOR TPH | |
| WSW @ 4' S. Center SW @ 4' NW Floor @ 4' RP. Floor @ 4' | | 1 1 1 1 | | X X X X | | X X X X | |
| 1 2 3 4 | | 1 1 1 1 | | X X X X | | X X X X | |

FORM-006
 Revision 1.0

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 interruption, 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: *Joel Lowry*
 Date: 3/2/15
 Time: 0900

Received By: *Samuel Oyer*
 Date: 3/3/15
 Time: 1000

Delivered By: (Circle One)
 UPS - Bus - Other: *2.40*

Sample Condition:
 Yes No
 Cool Intact
 Yes No

CHECKED BY: *Samuel Oyer*

Phone Result: Yes No
 Fax Result: Yes No

REMARKS:
 Please email results to pm@basinenv.com,
 TASaviole@BassPet.com, acruth@basspet.com

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

Joel Lowry 2:55
Samuel Oyer 3/3/15 #54