### RECEIVED Excavation By OCD District 1 at 2:51 pm, Jul 23, 2015 Point 2 Point 1 CI-PID GRO DRO PID GRO DRO 1600 SS 17.7 **157** 112 0.7 <10 661 6" 224 54.4 80 0.9 <10 21.9 16 81.1 **6 IN ROAD SCRAPE** 6" Road Scrape PID GRO DRO T X **BTEX** F <50 < 0.05 < 0.05 < 0.05 < 0.15 **6" Pasture Scrape Bottom Samples** CI- PID GRO DRO B BTEX Pt. 1 32 15.7 <10 Pt. 2 <16 5.5 <10 <10 < 0.05 < 0.05 PROPERTY AND PROPERTY. Legend 2 FT EXCAVATION BOTTOM SAMPLES **6 IN SCRAPE BOTTOM SAMPLES** 6 IN ROAD SCRAPE BOTTOM SAMPLE ELECTRIC POLE STEEL **ELECTRICAL BOX INITIAL SAMPLE POINT** SOURCE **BURIED ELECTRIC BURIED PIPELINE** 2' Excavation Bottom Samples SURFACE PIPELINE 6 IN SCRAPE <0.05 <0.05 < 0.15 < 0.3 CI- FIELD DATA 2 FT EXCAVATION LAB DATA PROPOSED 6 IN SCRAPE CONOCOPHILLIPS 6 IN ROAD SCRAPE Landowner: State Lease to Olane Caswell STAIN 1,841 SQ FT **DGW: 69 ft** PROPOSED 2 FT EXCAVATION Sasin Environmen CONOCOPHILLIPS | Figure 1 MCA BATTERY #4 Effective Solutions NMOCD CASE #: 1RP-3200 10 20 Vervice Technologi HHHFeet **UL A SECTION 26** T-17-S R-32-E GPS date: 8/1/14 CF Drawing date: 6/18/2015 LEA COUNTY, NM Drafted by: C. Ursanic, L. Weinheimer



July 21, 2015

KYLE NORMAN

BASIN ENVIRONMENTAL - HOBBS

419 W. CAIN

HOBBS, NM 88240

RE: MCA BATTERY #4

Enclosed are the results of analyses for samples received by the laboratory on 07/20/15 16:09.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene



BASIN ENVIRONMENTAL - HOBBS KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 393-0293

Received: 07/20/2015 Sampling Date: 07/20/2015

Reported: 07/21/2015 Sampling Type: Soil

Project Name: MCA BATTERY #4 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: COP

### Sample ID: 2' EXCAVATION POINT 1 BOTTOM (H501878-01)

| 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           | 07/21/2015 | ND           | 1.91 | 95.6       | 2.00          | 2.71 |           |
| Toluene*                             | < 0.050 | 0.050           | 07/21/2015 | ND           | 1.90 | 94.9       | 2.00          | 2.58 |           |
| Ethylbenzene*                        | <0.050  | 0.050           | 07/21/2015 | ND           | 1.99 | 99.3       | 2.00          | 3.99 |           |
| Total Xylenes*                       | < 0.150 | 0.150           | 07/21/2015 | ND           | 5.20 | 86.7       | 6.00          | 3.71 |           |
| Total BTEX                           | <0.300  | 0.300           | 07/21/2015 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 111 %   | 6 85.6-13       | 7          |              |      |            |               |      |           |
| 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            | 07/21/2015 | ND           | 432  | 108        | 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            | 07/21/2015 | ND           | 198  | 99.1       | 200           | 2.50 |           |
| DRO >C10-C28                         | <10.0   | 10.0            | 07/21/2015 | ND           | 204  | 102        | 200           | 5.87 |           |
| Surrogate: 1-Chlorooctane            | 80.2    | % 47.2-15       | 7          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 88.0    | % 52.1-17       | 6          |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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BASIN ENVIRONMENTAL - HOBBS KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 393-0293

Received: 07/20/2015 Sampling Date: 07/20/2015

Reported: 07/21/2015 Sampling Type: Soil

Project Name: MCA BATTERY #4 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: COP

### Sample ID: 2' EXCAVATION POINT 2 BOTTOM (H501878-02)

90.0 %

52.1-176

| 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           | 07/21/2015 | ND           | 1.91 | 95.6       | 2.00          | 2.71 |           |
| Toluene*                             | <0.050 | 0.050           | 07/21/2015 | ND           | 1.90 | 94.9       | 2.00          | 2.58 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 07/21/2015 | ND           | 1.99 | 99.3       | 2.00          | 3.99 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 07/21/2015 | ND           | 5.20 | 86.7       | 6.00          | 3.71 |           |
| Total BTEX                           | <0.300 | 0.300           | 07/21/2015 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 112 %  | 6 85.6-13       | 7          |              |      |            |               |      |           |
| 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            | 07/21/2015 | ND           | 432  | 108        | 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                           | <50.0  | 50.0            | 07/21/2015 | ND           | 198  | 99.1       | 200           | 2.50 |           |
| DRO >C10-C28                         | <50.0  | 50.0            | 07/21/2015 | ND           | 204  | 102        | 200           | 5.87 |           |
| Surrogate: 1-Chlorooctane            | 65.6   | % 47.2-15       | 7          |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine

Surrogate: 1-Chlorooctadecane



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

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603

| 6 FAX (505) 393-2476   | (325) 673-7001 FAX (325) 673-7020    P.O. #:   |   |                 |                   | ANALYSIS        |                             | REQUEST          | EST                  |  |
|--|--|---|-----------------|-------------------|-----------------|-----------------------------|------------------|----------------------|--|
| Project Manager: Kyle Norman   | Company: Basin   |   |                 |                   | ons             |                             | _                |                      |  |
| City: Hobbs State: NM Zip: 88240   | Attn:  |   |                 |                   | nio             |                             |                  |                      |  |
| 39   | Address: 419 W Cain  | <u></u>   | VI              | 1                 | s/A             |                             |                  |                      |  |
| 010 000 100  | City: Hobbs  |   |                 |                   | ns              |                             |                  |                      |  |
|  | State: NM Zip: 88240   |   |                 |                   | tio             | S                           |                  |                      |  |
| 01   | Phone #: 575-393-2967  | ori   | TE              |                   | Cat             | ΓD                          |                  |                      |  |
| n: MCA IS  | Fax #: 575-393-0293  | hle   |                 | exa               | e C             |                             |                  |                      |  |
| Sampler Name: ( Mrs Flore)   | L  | С   |                 | Ге                | te              |                             |                  |                      |  |
| Sample I.D.  B OR (C)OMP. TAINERS NDWATER EWATER   | GE<br>R:<br>BASE:<br>COOL<br>ER:   |   |                 | -                 | Comple          |                             |                  |                      |  |
| (G)<br>- # C<br>GR<br>WA   | U O DAIE   | X MAROS:  | ×               |                   |                 |                             |                  |                      |  |
| -  | 7-20-2015  | ×   | ×               |                   |                 |                             | _                |                      |  |
| 61   |  |   |                 |                   |                 |                             |                  |                      |  |
|  |  |   |                 |                   |                 |                             |                  |                      |  |
|  |  |   |                 |                   |                 |                             |                  |                      |  |
| PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising whether based in contract or tort, shall be limited to the amount paid by the client for the PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising whether based in writing and received by Cardinal within 30 days after completion of the applicable   | contract or tort, shall be limited to the amount pair<br>riting and received by Cardinal within 30 days after<br>the local five or loss of profits incurred by 0 | d by the client for the<br>r completion of the applicable<br>client, its subsidiaries,  |                 |                   |                 |                             |                  |                      |  |
| analyses. All claims involving the performance of services herburder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise, service. In no exert, shall cardinal be liable for incidental or consequental damages, including without initiation, vocames involved upon any of the above stated reasons or otherwise.  Service in the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.  Phone Resultations 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. | ch claim is based upon any of the above stated rea   | 7   | □ Yes           | No                | Add'            | Add'l Phone #: Add'l Fax #: | #                |                      |  |
| Date: 7-20-2015<br>Time:   | in Murcia  | Fax Result: REMARKS:  |                 | 8                 | 200             | 5                           |                  |                      |  |
| Relinquished By:   |  | hconder@basinenv.com; knorman@basinenv.com; hconder@basinenv.com; knorman@basinenv; lweinheimojkamplain@basinenv; lflores@basinenv; lweinheimojkamplain@basinenv; lflores@basinenv; lweinheimojkamplain@basinenv; lflores@basinenv; lweinheimojkamplain@basinenv; lflores@basinenv; lweinheimojkamplain@basinenv.com;   | sinen<br>pasine | v.com<br>nv; Iflo | ; knor<br>pres@ | man(c)<br>basin             | basin<br>env; lv | lenv.con<br>veinheir | email results: hconder@basinenv.com; knorman@basinenv.com; hconder@basinenv.com; knorman@basinenv.com; jkamplain@basinenv; lflores@basinenv; lweinheimer@basinenv; |
| 100  | Sample Condition CHECKED BY: Cool Intact (Initials)  | cursanic@pasineiry, serwands@pasineiry, serwands. | al tech:        | 1:                | Wala            | 0000                        | 2                | Cflores              | @basinenv  |

Sampler - UPS - Bus - Other:



July 22, 2015

KYLE NORMAN

BASIN ENVIRONMENTAL - HOBBS

419 W. CAIN

HOBBS, NM 88240

RE: MCA BATTERY #4

Enclosed are the results of analyses for samples received by the laboratory on 07/21/15 15:46.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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)

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene



BASIN ENVIRONMENTAL - HOBBS KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 393-0293

Received: 07/21/2015 Sampling Date: 07/21/2015

Reported: 07/22/2015 Sampling Type: Soil

Project Name: MCA BATTERY #4 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: COP

### Sample ID: 6" PASTURE SCRAPE PT. 1 BOTTOM (H501894-01)

| BTEX 8021B                           | mg/                    | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
|--------------------------------------|------------------------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result                 | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050                 | 0.050           | 07/22/2015 | ND           | 2.03 | 102        | 2.00          | 2.87  |           |
| Toluene*                             | <0.050                 | 0.050           | 07/22/2015 | ND           | 2.00 | 99.8       | 2.00          | 1.55  |           |
| Ethylbenzene*                        | <0.050                 | 0.050           | 07/22/2015 | ND           | 2.10 | 105        | 2.00          | 0.261 |           |
| Total Xylenes*                       | <0.150                 | 0.150           | 07/22/2015 | ND           | 5.49 | 91.4       | 6.00          | 0.436 |           |
| Total BTEX                           | <0.300                 | 0.300           | 07/22/2015 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 113 9                  | % 85.6-13       | 7          |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg/                    | /kg             | Analyze    | ed By: AP    |      |            |               |       |           |
| Analyte                              | Result                 | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 32.0                   | 16.0            | 07/22/2015 | ND           | 416  | 104        | 400           | 0.00  |           |
| TPH 8015M                            | mg/                    | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
| Analyte                              | Result Reporting Limit |                 | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                           | <10.0                  | 10.0            | 07/22/2015 | ND           | 200  | 99.8       | 200           | 1.21  |           |
| DRO >C10-C28                         | 16.6                   | 10.0            | 07/22/2015 | ND           | 196  | 98.0       | 200           | 8.77  |           |
| Surrogate: 1-Chlorooctane            | 98.1                   | % 47.2-15       | 7          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 95.3                   | % 52 1-17       | 6          |              |      |            |               |       |           |

Surrogate: 1-Chlorooctadecane 95.3 % 52.1-176

Cardinal Laboratories \*=Accredited Analyte

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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. Freene

### ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Company Name   Concophillips   |                      |                           |  |                   | 3                |      |    |    | ,   | Ž      | 000 | - |   |   |
|--|----------------------|---------------------------|--|-------------------|------------------|------|----|----|-----|--------|-----|---|---|---|
| State: NM Zip: 88240 Attn:  Fax #: 575-393-0293 Address: 419 W Cain  Project Owner:  State: NM Zip: 88240 Attn:  Project Owner:  State: NM Zip: 88240 Address: 419 W Cain  Phone #: 575-393-0293  Phone #: 575-393-2967  Phone #: 575 |                      | oPhillips                 |  |                   |                  |      |    |    |     |        |     |   |   |   |
| Sample I.D.  Address: 419 W Cain  City: Hobbs  State: NM Zip: 88240  Phone #: 575-393-2967  Phone #: 575-393-2967  Phone #: 575-393-2967  Phone #: 575-393-2967  Fax #: 575-393-0293  Fax #: 575-393-0293  Fax #: 575-393-0293  Chlorides  TPH 8015 M  BTEX  Texas TPH  Complete Cations/Anion  | ddraes: 410 W Cain   |                           |  | Company: Bas      | ši               |      |    |    |     | าร     |     |   |   | _ |
| Sample I.D.  Address: 419 W Cain  City: Hobbs  State: NM Zip: 88240  Phone #: 575-393-2967  Chl Gel Coll Coll Coll Coll Coll Coll Coll Co  | The Hobbe            |                           | Zip: 88240                               | Attn:             |                  |      |    |    |     | ioi    |     |   |   |   |
| Sample I.D.  City: Hobbs State: NM Zip: 88240  Phone #: 575-393-2967  Fax #: 575-393-0293  PRESERV. SAMPLING  Chlorides  TPH 8015 M  BTEX  Texas TPH  Complete Cations/  | hone #: 575-393-296  |                           | 3-0293                                   | Address: 419      | W Cain           |      |    |    |     | Ar     |     |   |   |   |
| State: NM Zip: 88240  Phone #: 575-393-2967  Sample I.D.  Fax #: 575-393-0293  Chloride:  TPH 8015  BTEX  Texas TP  Complete Cation  | Project #            |                           |  | City: Hobbs       |                  | S    | M  |    | Ή   | ıs/    |     |   |   |   |
| Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Phone #: 575-393-2967  Fax #: 575-393-0293  Fax #: 575-393-0293  PRESERV SAMPLING  Chloric TOHER:  ACID/BASE:  ACID/BASE | Project Name: C.P    |                           |  |                   | ip: 88240        | de   | 15 | Χ  | TP  | or     | 3   |   | 1 |   |
| Fax #: 575-393-0293    Complete C  | roject location: MA  |                           |  | Phone #: 575      | -393-2967        | orio | 30 | ГΕ | s · | ati    | DS  |   |   |   |
| Sample I.D.  Sample I.D.  MATRIX  PRESERV. SAMPLING  G. (G)RAB OR (C)OMP.  H. CONTAINERS  GROUNDWATER WASTEWATER WASTEWATER J. OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: ACID/BASE: ICE / COOL OTHER: ACID/BASE: TIME TIME Te   | Topolic Name: Charte |                           |  | Fax #: 575-393    | -0293            | hlo  | Н  | В  | xa  | C      | Т   |   |   |   |
| Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Graph On (C) OMP.  H CONTAINERS  GROUNDWATER  WASTEWATER  SOIL  OIL  SLUDGE  OTHER:  ACID/BASE:  ICE / COOL  OTHER:  7-21-20 N 11:30 Am  X X   | -                    | - 1                       | MATRIX                                   |                   | SAMPLING         | С    | Р  |    | Ге  | te     |     |   | _ |   |
| 6" Pasture Scrape Point 2 Bottom G 1 V 7-21-2015 11:30 AM X X  | Lab I.D.             | Sample I.D.               | # CONTAINERS GROUNDWATER WASTEWATER SOIL | OTHER: ACID/BASE: |                  |      | Т  |    | -   | Comple |     |   |   |   |
|  |                      | ore Scrape Point 1 Bottom | 1  | <b>V</b>          | -21-2015 11:30Am | _    | ×  | ×  |     |        |     |   |   |   |
|  |                      | -                         |  |                   |                  | T    |    | T  |     |        | T   |   |   |   |
|  |                      |                           |  |                   |                  |      |    |    |     |        |     |   |   |   |
|  | 2                    |                           |  |                   |                  |      |    |    |     |        |     |   |   |   |
|  |                      |                           |  |                   |                  | 1    |    |    |     |        |     |   |   |   |
|  |                      |                           |  |                   |                  |      |    |    |     |        |     |   |   |   |
|  |                      |                           |  |                   |                  |      |    |    |     |        |     |   |   |   |
|  |                      |                           |  |                   |                  |      |    |    |     |        |     |   |   |   |

Cool Intact
Yes Yes
No No Sample Condition

Sampler - UPS - Bus - Other: Delivered By: (Circle One) Relinquished By:

James 1

Relinquished By:

Date: 7-21-2015 Time:

Received By:

lyses. All claims including those for negligence and any other cause ice. In no event shall Cardinal be liable for incidental or consequents

rred by client, its subsidiaries

Phone Result: Fax Result: REMARKS:

☐ Yes

No No

Add'I Fax #: Add'l Phone #:

email results:

cursanic@basinenv; sedwards@basinenv

environmental tech:

chlores

@basinenv

hconder@basinenv.com; knorman@basinenv.com;

jkamplain@basinenv; lflores@basinenv; lweinheimer@basinenv;

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



July 22, 2015

KYLE NORMAN

BASIN ENVIRONMENTAL - HOBBS

419 W. CAIN

HOBBS, NM 88240

RE: MCA BATTERY #4

Enclosed are the results of analyses for samples received by the laboratory on 07/21/15 15:46.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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)

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene



BASIN ENVIRONMENTAL - HOBBS KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 393-0293

Received: 07/21/2015 Sampling Date: 07/21/2015

Reported: 07/22/2015 Sampling Type: Soil

Project Name: MCA BATTERY #4 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: COP

### Sample ID: 6" PASTURE SCRAPE PT. 2 BOTTOM (H501895-01)

| 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           | 07/22/2015 | ND           | 2.03 | 102        | 2.00          | 2.87  |           |
| Toluene*                             | < 0.050 | 0.050           | 07/22/2015 | ND           | 2.00 | 99.8       | 2.00          | 1.55  |           |
| Ethylbenzene*                        | < 0.050 | 0.050           | 07/22/2015 | ND           | 2.10 | 105        | 2.00          | 0.261 |           |
| Total Xylenes*                       | <0.150  | 0.150           | 07/22/2015 | ND           | 5.49 | 91.4       | 6.00          | 0.436 |           |
| Total BTEX                           | <0.300  | 0.300           | 07/22/2015 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 114 %   | 6 85.6-13       | 7          |              |      |            |               |       |           |
| 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            | 07/22/2015 | 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            | 07/22/2015 | ND           | 200  | 99.8       | 200           | 1.21  |           |
| DRO >C10-C28                         | <10.0   | 10.0            | 07/22/2015 | ND           | 196  | 98.0       | 200           | 8.77  |           |
| Surrogate: 1-Chlorooctane            | 94.7    | % 47.2-15       | 7          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 98.0    | % 52.1-17       | 6          |              |      |            |               |       |           |

Cardinal Laboratories \*=Accredited Analyte

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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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Celeg D. Freene

### ARDINAL LABORATORIES X US+

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

| P.O. #:  | $\exists$  | $\dashv$    |            |              |  |                             |
|--|--|-------------|------------|--------------|--|-----------------------------|
|  | _  |             |            | -            | _  | _                           |
| Company: Basin   |  |             |            | S            |  |                             |
| Attn:  |  |             |            | on           |  |                             |
| Address: 419 W Cain  |  |             |            | ni           |  |                             |
| City: Hobbs  | -  | IVI         | +          | s/A          |  |                             |
|  |  | _           |            |              |  |                             |
| Phone #: 575-393-2967  |  |             |            |              | DS<br>—  |                             |
| Fax #: 575-393-0293  |  |             |            |              | TI   |                             |
| PRESERV SAMPLING   |  |             | _          |              |  |                             |
| OTHER: OCID/BASE: DE / COOL OTHER:   |  |             | Т          | Complet      |  |                             |
| <  | ×  | *           |            |              |  | 3                           |
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|  |  | _           |            |              |  |                             |
|  |  |             |            |              |  |                             |
| act or tort, shall be limited to the amount paid by the client for   | or the   | -           |            | -            |  |                             |
| City: Hobbs  State: NM Zip: 88240  Attn: Phone #: 575-393-2967  Fax #: 575-393-0293  Address: 419 W Cain  City: Hobbs  State: NM Zip: 88240  Project Name: | City: Hobbs  Phone #: 575-393-2967  Fax #: 575-393-0293  Address: 419 W Cain Project Name: Project Owner:  City: Hobbs  State: NM Zip: 88240  City: Hobbs  State: NM Zip: 88240  Phone #: 575-393-2967  Sampler Name: Party #4  Programme: Phone #: 575-393-2967  Sampler Name: Phone #: 575-393-2967  Sampler Name: Phone #: 575-393-2967  Fox.us use only  Fox.us use onl | 7 Chlorides | TPH 8015 M | Y TPH 8015 M | TPH 8015 M  BTEX  Texas TPH  Complete Cations/Anions | TPH 8015 M  BTEX  Texas TPH |

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Relinquished By:

Relinquished By:

1-21-2015 Time:

Received By:

Phone Result: Fax Result: REMARKS:

□ Yes

No No

Add'l Phone #: Add'l Fax #:

email results:

Received By:

CHECKED BY:

environmental tech:

Chlores

@basinenv

cursanic@basinenv; sedwards@basinenv

jkamplain@basinenv; lflores@basinenv; lweinheimer@basinenv;

hconder@basinenv.com; knorman@basinenv.com;

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



July 20, 2015

KYLE NORMAN

BASIN ENVIRONMENTAL - HOBBS

419 W. CAIN

HOBBS, NM 88240

RE: MCA BATTERY #4

Enclosed are the results of analyses for samples received by the laboratory on 07/14/15 8:52.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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)

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene



BASIN ENVIRONMENTAL - HOBBS KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 393-0293

Received: 07/14/2015 Sampling Date: 07/13/2015

Reported: 07/20/2015 Sampling Type: Soil

Project Name: MCA BATTERY #4 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: COP

### **Sample ID: 6" ROAD SCRAPE (H501784-01)**

| 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           | 07/17/2015 | ND           | 1.93 | 96.5       | 2.00          | 2.49 |           |
| Toluene*                             | <0.050 | 0.050           | 07/17/2015 | ND           | 1.93 | 96.5       | 2.00          | 1.73 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 07/17/2015 | ND           | 2.03 | 101        | 2.00          | 3.30 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 07/17/2015 | ND           | 5.34 | 88.9       | 6.00          | 2.63 |           |
| Total BTEX                           | <0.300 | 0.300           | 07/17/2015 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 111 %  | % 85.6-13       | 7          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyze    | d By: AP     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 256    | 16.0            | 07/17/2015 | ND           | 432  | 108        | 400           | 7.69 |           |
| 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                           | <50.0  | 50.0            | 07/15/2015 | ND           | 205  | 103        | 200           | 1.44 |           |
| DRO >C10-C28                         | <50.0  | 50.0            | 07/15/2015 | ND           | 208  | 104        | 200           | 6.94 |           |
| Surrogate: 1-Chlorooctane            | 69.2   | % 47.2-15       | 7          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 90.5   | % 52.1-17       | 6          |              |      |            |               |      |           |

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ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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\*\*\* 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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Celeg D. Freene

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

### ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2476 (325) 673-7001 FAX (325)673-7020

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|--|---|---|---|---|---|---|---|---|---|------|-----------------|-----------|--|-------------------|-----|-----------------------|----------------------|----------------|----------------------|------------|--------------------|---------|-----------------------------|-----------------------------------|
| inly and client is exclusive inclined any other cause whatsoever shall lor consequental damages, incliud formance of services hereunder back.  Date:   | ity and cilent's exclusive removed in the property of services hereunder in the property of services here in the property of services here. The property of services here is the property | ity and client's exclusive relievy in   | E Proposition romody for  |   |   |   |   |   |   | W 97 | d Scrape        |           | Sample I.D.  |                   | +   | 北上                    |                      | Project Owner: | Fax #: 575-393-0293  | State: NM  |                    |         |                             | (505) 393-2326 FAX (505) 393-2476 |
| 111  | Received By:  | be detilied waters unlock interrulation, business interrulating without limitation, business interrulations of whether such | for any claim arising whether based in c  |   |   |   |   |   |   |      | 6               | - #<br>V  | G)RAB OR (C)OM<br>CONTAINERS<br>GROUNDWATER<br>VASTEWATER<br>GOIL<br>DIL | MATRIX            |     |                       |                      | ä              | 93-0293              | Zip: 88240 |                    |         |                             |                                   |
| •  |   | ctions, loss of use, or loss of profits incurrencial inclaim is based upon any of the above sta                             | contract or tort, shall be limited to the amou<br>ting and received by Cardinal within 30 day |   |   |   |   |   |   |      |                 | . I       | SLUDGE DTHER: ACID/BASE: CE / COOL DTHER:                                | PRESERV. SAMPLING | 93  | Phone #: 575-393-2967 | State: NM Zip: 88240 | City: Hobbs    | Address: 419 W Cain  | Attn:      | Company: Basin     | P.O. #: | BIFF IS                     | (325) 673-7001 FAX (323)013-7020  |
| REMARKS:   | Phone Result:   | d by client, its subsidian<br>ed reasons or otherwise   | nt paid by the client for the safter completion of the  |   |   |   |   |   |   |      | 1.13.00 3.00 pm | 3, 22     | TIME   |                   |     |                       |                      |                | 5                    |            |                    |         |                             |                                   |
|  | T.  |   | the<br>applicable   |   | + | + |   |   | - |      | _               | ×         |  | TP                | _   | ori                   |                      |                |                      | _          |                    | +       | 1                           | 1                                 |
|  | □ Yes   |   |   | - | + | + | + | + |   |      |                 | ×         |  | 11                | _   | TE                    | _                    |                | _                    |            |                    |         | 1                           | 1                                 |
|  | No  | N.  |   |   | - |   |   |   |   |      |                 |           |  | Te                | _   | as                    |                      | РΗ             |                      |            |                    |         | ]                           |                                   |
|  | Add"  | Add"  |   |   |   |   |   |   |   |      |                 |           | Comp   | lete              | e ( | Cat                   | tio                  | ns             | /A                   | nio        | ns                 | ;       |                             | ANALYSIS                          |
|  | Add'l Fax #:  | Add'l Phone #:  |   |   |   |   |   |   |   |      |                 |           |  |                   |     | ΓD                    | S                    |                |                      |            |                    |         |                             | YSIS REQUEST                      |
|  |   |   |   |   |   |   |   |   |   |      |                 |           | - F  |                   |     |                       |                      |                |                      |            |                    |         |                             |                                   |

Sample Condition
Cool Intact
Pyes Pyes
No No

CHECKED BY:

environmental tech:

Oflores

@basinenv

cursanic@basinenv; sedwards@basinenv

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476