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DELINEATION WORKPLAN

COG – GERONIMO FEDERAL #001

(Leak Date: 7/19/16)

APPROVED By Olivia Yu at 10:08 am, Jun 13, 2017

RP # 1RP-4369 API # 30-025-30645

NMOCD approves of the delineation workplan and proposed remediation for 1RP-4369.

This delineation workplan and remediation proposal addresses the release associated with RP # 1RP-4396.

The following information includes:

- 1. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
- 2. GPS information for sample points and sample methodology
- 3. Depth to groundwater information (i.e., pdf of OSE search results and/or copy of Chevron groundwater trend map).
- 4. Laboratory analysis results summary table and original laboratory analysis reports
- 5. A copy of the initial C-141
- 6. Potentially other pertinent information as necessary for site specific purposes.

Based on the information included in this package and the NMOCD guidelines, the following remediation is proposed:

COG will excavate the spill area as depicted on the following site diagram. The entire leak area will be excavated to a depth of 2 feet then install a liner and backfill. Since this is a working facility, this is all that can be removed due to safety concerns around the production equipment.

If this plan is not acceptable, then COG respectfully requests a deferment until this facility is closed.

The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the appropriate regulatory agency or private surface owner.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.



COG, Geronimo Federal #001

Sample Points, Hand Auger SP1, N 32.62201 W-103.70852 SP2, N 32.62189 W-103.70853 SP3, N 32.62199 W-103.70862

North Sample, N 32.62208 W-103.70855 South Sample, N 32.62182 W-103.70859 East Sample, N 32.62194 W-103.70848 West Sample, N 32.62194 W-103.70867

Sample Points, Drilled SB1, N 32.62200 W-103.70852 SB2, N 32.62189 W-103.70852

COG, Geronimo Federal #001 U/L D, Section 31, T19S, R33E Groundwater: 250'



?

New Mexico Office of the State Engineer Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 621115

Northing (Y): 3610138

Radius: 1700

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

4/21/17 3:13 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

UTM Conversion Tool

| O Q64: | Q16: NW Q4: NW | Sec: 31 Tws: | 195 Rng: 33E | |
|-----------------------------------|----------------------------|---|----------------------------------|---|
| O X: 0 ft | State Plane Coo Y: 0 ft | Zone: | | |
| O X: 0 ft | State Plane Coc Y: 0 ft | Zone: | D83 | |
| O Longitude (X): Latitude (Y): | Degrees: 0 ° | Minutes/Seconds Minutes: 0 ' Minutes: 0 ' | | |
| | | | | |
| O Easting (X): 0 | UT mtrs Northing (Y): 0 | | |] |
| | mtrs Northing (Y): 0 | mtrs Zone: | 33 UTM Zone 13 3610138.0 mtrs |] |
| All | mtrs Northing (Y): 0 | mtrs Zone: | 33 UTM Zone 13 3610138.0 mtrs | |
| All | mtrs Northing (Y): 0 | mtrs Zone: | 33 UTM Zone 13 3610138.0 mtrs | |

Laboratory Analytical Results Summary Geronimo Federal #001

| | | Sample | Sample T1@ Surface | T-1 (1') | T-1 (2') | T-1 (3') | T-1 (4') | T-1 (5') | Т-1 (6') | T-1 (7') | T-1 (8') | T-1 (9') | T-1 (10') |
|---------------|-------------------------|--------|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| Analyte | Method | Date | 9/16/16 | 9/16/16 | 9/16/16 | 9/16/16 | 9/16/16 | 9/16/16 | 9/16/16 | 9/16/16 | 9/16/16 | 9/16/16 | 9/16/16 |
| | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Benzene | BTEX 8021B | | <0:050 | <0:050 | <0:050 | NA | AN | NA | NA | AN | ٧N | AN | NA |
| Toluene | BTEX 8021B | | 0.09 | <0.050 | <0:050 | NA | AN | AN | NA | AN | AN | AN | AN |
| Ethylbenzene | thylbenzene BTEX 8021B | | 0.063 | <0.050 | <0.050 | NA | AN |
| Total Xylenes | otal Xylenes BTEX 8021B | | <0.150 | <0.150 | <0.150 | NA | AN | AN | NA | AN | ٧N | AN | AN |
| Total BTEX | Total BTEX BTEX 8021B | | <0.300 | <0.300 | <0.300 | NA | AN | AN | NA | AN | AN | AN | AN |
| Chloride | SM4500CI-B | | 3080 | 2920 | 2160 | 4880 | 3680 | 2640 | 3120 | 5920 | 5440 | 6260 | 0999 |
| GRO | TPH 8015M | | <10.0 | <10.0 | <10.0 | NA | AN | AN | NA | AN | ٧N | AN | AN |
| DRO | TPH 8015M | | 119 | 11 | 30.5 | NA | NA | NA | NA | AN | AN | AN | NA |

Laboratory Analytical Results Summary Geronimo Federal #001

| | | Sample | SP1 @ 1. | SP1 @ 3' | SP1 @ 5' | SP1 @ 7' | SP1 @ 9' | SP1 @ 12' |
|----------|------------|--------|----------|----------|----------|----------|----------|-----------|
| Analyte | Method | Date | 1/16/17 | 1/16/17 | 1/16/17 | 1/16/17 | 1/16/17 | 1/16/17 |
| | | | 63/bm | mg/Kg | by/bm | mg/Kg | mg/Kg | 63//6m |
| Chloride | SM4500CI-B | | 4480 | 3080 | 4720 | 4400 | 7600 | 4480 |
| | | | | | | | | |

| | | Sample | SP2 @ 1' | SP2 @ 3' | SP2 @ 5' | SP2 @ 7' | SP2 @ 7' SP2 @ 9' | SP2 @ 12' |
|----------|------------|--------|----------|----------|----------|----------|-------------------|-----------|
| Analyte | Method | Date | 1/16/17 | 1/16/17 | 1/16/17 | 21/91/1 | 1/16/17 | 1/16/17 |
| | | | mg/Kg | mg/Kg | mg/Kg | 63/bm | mg/Kg | mg/Kg |
| Chloride | SM4500CI-B | | 7300 | 4400 | 3840 | 4800 | 6500 | 6160 |
| | | | | ſ | | | | |
| | | | | | | | | |

| Analyte Method Date | 1142117 | | |
|---------------------|---------|---------|---------|
| | | 1/16/17 | 1/16/17 |
| | mg/Kg | mg/Kg | by/gm |
| Chloride SM4500CI-B | 4960 | 4400 | 32 |

Laboratory Analytical Results Summary Geronimo Federal #001

| | | Sample | SB1 @ 15' | SB1 @ 21' | SB1 @ 25' | SB1 @ 29' | SB1 @ 35' | SB1 @ 43' | SB1 @ 45' | SB1 @ 47' | SB1 @ 49' | SB1 @ 51' | SB1 @ 53' | SB1 @ 58' |
|----------|------------|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Analyte | Method | Date | 4/6/17 | 4/6/17 | 4/6/17 | 4/6/17 | 4/6/17 | 4/6/17 | 4/6/17 | 4/6/17 | 4/6/17 | 4/6/17 | 4/6/17 | 4/6/17 |
| | | | mg/Kg |
| Chloride | SM4500CI-B | | 5060 | 3280 | 2800 | 1880 | 2880 | 3080 | 704 | 720 | 736 | 1310 | 272 | 288 |
| | | | | | | | | | | | | | | |
| | | Sample | SB2 @ 15' | SB2 @ 19' | SB2 @ 24' | SB2 @ 32' | SB2 @ 35' | SB2 @ 43' | SB2 @ 48' | SB2 @ 51' | SB2 @ 53' | SB2 @ 58' | | |
| Analyte | Method | Date | 4/6/17 | 4/6/17 | 4/6/17 | 4/6/17 | 4/6/17 | 4/6/17 | 4/6/17 | 4/6/17 | 4/6/17 | 4/6/17 | | |
| | | | mg/Kg | | |
| Chloride | SM4500CI-B | | 5730 | 3520 | 6130 | 3520 | 2720 | 2000 | 1570 | 784 | 256 | 272 | | |
| | | | | | | | | | | | | | | |

| | | Sample | EAST SAMPLE |
|----------|------------|--------|----------------|
| Analyte | Method | Date | 4/6/17 |
| | | | mg/Kg |
| Chloride | SM4500CI-B | | 272 |

| SOUTH | 4/6/17 | mg/Kg | 288 | |
|--------|---------|-------|------------|--|
| Sample | Date | | | |
| | Method | | SM4500CI-B | |
| | Analyte | | Chloride | |

| | | Comple | WEST |
|----------|------------|----------|--------|
| | | adilibie | SAMPLE |
| Analyte | Method | Date | 4/6/17 |
| | | | mg/Kg |
| Chloride | SM4500CI-B | | 272 |



September 22, 2016

DAKOTA NEEL COG OPERATING P. O. BOX 1630 ARTESIA, NM 88210

RE: GERONIMO FEDERAL #001

Enclosed are the results of analyses for samples received by the laboratory on 09/16/16 15:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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 accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and www.tceq.texas.gov/field/qa/lab accredited accredited accredite

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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 09/16/2016 | Sampling Date: | 09/16/2016 |
|-------------------|-----------------------|---------------------|---------------|
| Reported: | 09/22/2016 | Sampling Type: | Soil |
| Project Name: | GERONIMO FEDERAL #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | LEA COUNTY, NM | | |

Sample ID: T-1 SURFACE (H602081-01)

| 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 | 09/21/2016 | ND | 2.14 | 107 | 2.00 | 2.58 | |
| Toluene* | 0.090 | 0.050 | 09/21/2016 | ND | 2.19 | 109 | 2.00 | 1.65 | |
| Ethylbenzene* | 0.063 | 0.050 | 09/21/2016 | ND | 2.10 | 105 | 2.00 | 1.16 | |
| Total Xylenes* | <0.150 | 0.150 | 09/21/2016 | ND | 6.29 | 105 | 6.00 | 1.14 | |
| Total BTEX | <0.300 | 0.300 | 09/21/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 98.5 | % 73.6-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3080 | 16.0 | 09/22/2016 | 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 | 09/19/2016 | ND | 186 | 93.2 | 200 | 5.01 | |
| DRO >C10-C28 | 119 | 10.0 | 09/19/2016 | ND | 204 | 102 | 200 | 4.06 | |
| Surrogate: 1-Chlorooctane | 79.8 9 | % 35-147 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 99.4 9 | 28-171 | | | | | | | |

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*=Accredited Analyte

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Cellery T. Keine -



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 09/16/2016 | Sampling Date: | 09/16/2016 |
|-------------------|-----------------------|---------------------|---------------|
| Reported: | 09/22/2016 | Sampling Type: | Soil |
| Project Name: | GERONIMO FEDERAL #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | LEA COUNTY, NM | | |

Sample ID: T-1 (1') (H602081-02)

| mg/ | kg | Analyze | ed By: MS | | | | | |
|--------|---|---|--|---|--|---|---|---|
| Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| <0.050 | 0.050 | 09/21/2016 | ND | 2.14 | 107 | 2.00 | 2.58 | |
| <0.050 | 0.050 | 09/21/2016 | ND | 2.19 | 109 | 2,00 | 1.65 | |
| <0.050 | 0.050 | 09/21/2016 | ND | 2.10 | 105 | 2.00 | 1.16 | |
| <0.150 | 0.150 | 09/21/2016 | ND | 6.29 | 105 | 6.00 | 1.14 | |
| <0.300 | 0.300 | 09/21/2016 | ND | | | | | |
| 101 % | 6 73.6-14 | 0 | | | | | | |
| mg/l | kg | Analyze | d By: AC | | | | | |
| Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| 2920 | 16,0 | 09/22/2016 | ND | 432 | 108 | 400 | 0.00 | |
| mg/l | kg | Analyze | d By: MS | | | | | |
| Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| <10.0 | 10.0 | 09/20/2016 | ND | 186 | 93.2 | 200 | 5.01 | |
| 11.0 | 10.0 | 09/20/2016 | ND | 204 | 102 | 200 | 4.06 | |
| 85.8% | 6 35-147 | | | | | | | |
| | | | | | | | | |
| | Result <0.050 <0.050 <0.150 <0.300 //// % mg// Result 2920 mg// Result <10.0 11.0 | <0.050 0.050 <0.050 0.050 <0.050 0.050 <0.150 0.150 <0.300 0.300 <i>101 % 73.6-140</i> mg/kg Result Reporting Limit 2920 16.0 mg/kg Result Reporting Limit 2920 10.0 | Result Reporting Limit Analyzed <0.050 | Result Reporting Limit Analyzed Method Blank <0.050 | Result Reporting Limit Analyzed Method Blank BS <0.050 | Result Reporting Limit Analyzed Method Blank BS % Recovery <0.050 | Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <0.050 | Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <0.050 |

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COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 09/16/2016 | Sampling Date: | 09/16/2016 |
|-------------------|-----------------------|---------------------|---------------|
| Reported: | 09/22/2016 | Sampling Type: | Soil |
| Project Name: | GERONIMO FEDERAL #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | LEA COUNTY, NM | | |

Sample ID: T-1 (2') (H602081-03)

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Benzene* | <0.050 | 0.050 | 09/21/2016 | ND | 2.14 | 107 | 2.00 | 2.58 | |
| Toluene* | <0.050 | 0.050 | 09/21/2016 | ND | 2.19 | 109 | 2.00 | 1.65 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/21/2016 | ND | 2.10 | 105 | 2.00 | 1.16 | |
| Total Xylenes* | <0.150 | 0.150 | 09/21/2016 | ND | 6.29 | 105 | 6.00 | 1.14 | |
| Total BTEX | <0.300 | 0.300 | 09/21/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 98.7 | 73,6-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2160 | 16.0 | 09/22/2016 | 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 | 09/20/2016 | ND | 186 | 93.2 | 200 | 5.01 | |
| DRO >C10-C28 | 30.5 | 10.0 | 09/20/2016 | ND | 204 | 102 | 200 | 4.06 | |
| Surrogate: 1-Chlorooctane | 83.7 9 | % 35-147 | 5 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 98.9 9 | 6 28-171 | | | | | | | |

Sample ID: T-1 (3') (H602081-04)

| Chloride, SM4500Cl-B mg/kg | | Analyze | Analyzed By: AC | | | | | | |
|----------------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4880 | 16,0 | 09/22/2016 | ND | 432 | 108 | 400 | 0.00 | |

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*=Accredited Analyte

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COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| 09/16/2016 | Sampling Date: | 09/16/2016 |
|-----------------------|---|---|
| 09/22/2016 | Sampling Type: | Soil |
| GERONIMO FEDERAL #001 | Sampling Condition: | Cool & Intact |
| NONE GIVEN | Sample Received By: | Jodi Henson |
| LEA COUNTY, NM | a subsectivity of a start | |
| | 09/22/2016 GERONIMO FEDERAL #001 NONE GIVEN | 09/22/2016Sampling Type:GERONIMO FEDERAL #001Sampling Condition:NONE GIVENSample Received By: |

Sample ID: T-1 (4') (H602081-05)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3680 | 16.0 | 09/22/2016 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: T-1 (5') (H602081-06)

| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2640 | 16.0 | 09/22/2016 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: T-1 (6') (H602081-07)

| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: AC | - | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3120 | 16.0 | 09/22/2016 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: T-1 (7') (H602081-08)

| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5920 | 16.0 | 09/22/2016 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: T-1 (8') (H602081-09)

| Chloride, SM4500Cl-B mg/kg | | Analyzed By: AC | | | | | | | |
|----------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5440 | 16.0 | 09/22/2016 | ND | 432 | 108 | 400 | 0.00 | |

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COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| 09/16/2016 | Sampling Date: | 09/16/2016 |
|-----------------------|---|---|
| 09/22/2016 | Sampling Type: | Soil |
| GERONIMO FEDERAL #001 | Sampling Condition: | Cool & Intact |
| NONE GIVEN | Sample Received By: | Jodi Henson |
| LEA COUNTY, NM | | |
| | 09/22/2016 GERONIMO FEDERAL #001 NONE GIVEN | 09/22/2016Sampling Type:GERONIMO FEDERAL #001Sampling Condition:NONE GIVENSample Received By: |

Sample ID: T-1 (9') (H602081-10)

| Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| 6260 | 16.0 | 09/22/2016 | ND | 432 | 108 | 400 | 0.00 | |
| | | | | 1 2 | | | | |

Sample ID: T-1 (10') (H602081-11)

| Chloride, SM4500CI-B | mg/kg | Analyzed By: AC |
|----------------------|-------|-----------------|
| | | |

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|----------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Chloride | 6660 | 16.0 | 09/22/2016 | ND | 432 | 108 | 400 | 0.00 | |

Cardinal Laboratories

*=Accredited Analyte

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

Cellery There



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. |
| 8 | 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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Cellery D. Freene

Celey D. Keene, Lab Director/Quality Manager

Page 7 of 9

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| TIPS | AL |

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

| Sampler - UPS - Bus - Other: FORM-000 N 2.0 s. Please fax written changes to 575-393-2476 | Delivered By: (Circle One) | Relinquished By: | A Martin | service. In no event shall Cardinal be liable for incidental annote. In no event shall Cardinal be liable for incidental afflictes or successors arising out of or related to the per Refine Chickbook Box. | PLEASE NOTE: Liability and Dama | 20 | 2- | 16 | 5- | F (; | 2 | | H602081 | Lab I.D. | FOR LAB USE ONLY | Sampler Name: | Project Location: | Project Name: | Project #: | Phone #: | City: Artesia | Address: 2208 | Project Manager: | Company Name: |
|---|----------------------------|---|--|--|--|--------------------------|--|---------|--|--|------------------------|---|-------------------------------------|--|------------------|---------------|-------------------------|----------------------|----------------|---|----------------|--|------------------|-------------------|
| Bus - Other: .0 1 changes to 575-39 | Circle One) | i internet | $\left(\right)$ | sum/yee, we carefull including trade for negligence and any other service. In no event shall Cardinal be liable for incidental or consu- affinites or successors arising out of or related to the performance Refirm or inchand Bon. | f = l (f') amages. Cardinal's liability and cl | 1-1 (3) | 1 - 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + | 7-1 (5) | 7-1 (4') | T-1 (2) | T-1 (i') | T-1 Surface | \ | Sample I.D. | | Kynr | 0 | Grenonimo Fre | | 432-215-2783 | | 2208 West Main | Dakota Neel | COG Operating LLC |
| 5.22 | Time: | 3 | Times to the | cause of ser | ent's e | | - | | | | | Transfer of the second s | | | | Pretch | UM | Federal # 001 | Project Owner: | Fax #: | State: NM | and the second s | | COG Operating LLC |
| | Sample Condition | Received By: | Received By: | ned waived unless made in writing an rout limitation, business interruptions, hal, regardless of whether such claim | aim arising whether based in contract | 5 | × | | | × | CEX | 第 - × | # CON GROU | B OR (C)OM TAINERS NDWATER EWATER | AP. MATRIX | | | | | n de ante de la marca ante ante ante de la del marca del parte de | Zip 88210 | () | | σ |
| | Ion CHECKED BY: | much (| N JIGH | uuse whatspever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable uental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subadavies, if services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. | whether based in contract or tort, shall be limited to the amount paid by the client for the | 29 | 2 | 20 | <x< td=""><td>×</td><td>×</td><td>Re commentances</td><td>OTHEF ACID/E ICE / C OTHEF</td><td>R : BASE: OOL</td><td>PRESERV. SAM</td><td>Fax #:</td><td>Phone #: (432) 221-0388</td><td>State: TX Zip: 79701</td><td>City: Midland</td><td>Address: 600</td><td></td><td>Company: COG 0</td><td>P.O. #:</td><td>BILL TO</td></x<> | × | × | Re commentances | OTHEF ACID/E ICE / C OTHEF | R : BASE: OOL | PRESERV. SAM | Fax #: | Phone #: (432) 221-0388 | State: TX Zip: 79701 | City: Midland | Address: 600 | | Company: COG 0 | P.O. #: | BILL TO |
| | | avan. | Phone Result: Fax Result: REMARKS: | after completion of the applica by client, its subsidiaries, d reasons or otherwise. | paid by the client for the | | | | | X | | | E TIME BTEX | | SAMPLING | | 388 | 9701 | and | 600 W Illinois | Robert McNeill | COG Operating LLC | _ | 0 |
| | dn | | □ Yes □ No □ Yes □ No | | 4 | | | | | X | | XR | TPH Chlorid | e | | | | | | | | | | |
| | dneel2@concho.com | Send Results to: | Add'l Phone #: Add'l Fax #: | | | | A state of the sta | | | | | | | | | | | | | | | | | ANALYSIS R |
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| Laboratories | ries | CHAIN-C | OF-CUST | CHAIN-OF-CUSTODY AND ANALYSIS REQUEST | |
|---|---|---|-----------------|--|-------|
| 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 | NM 88240 | | | | |
| | | BILL TO | | ANALYSIS REQUEST | |
| Project Manager: Dakota Neel | | P.O. #: | _ | | |
| Address: 2208 West Main | | Company: COG Operating LLC | | | |
| City: Artesia Stat | State: NM Zip 88210 | | | | |
| Phone #: 432-215-2783 Fax #: | | Address: 600 W Illinois | | | |
| | Project Owner: | | | | |
| Project Name: . Grewing Pederal | F 001 | E TX Zip | | | |
| Project Location: Les le NM | The control of the second s | Phone #: (432) 221-0388 | | | |
| Sampler Name: Kyan K | e ich | Fax #: | | | |
| FOR LAB USE ONLY | MATRIX | PRESERV. SAMPLING | | | |
| Hubres | GRAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE | OTHER : ACID/BASE: ICE / COOL OTHER : DATE | TPH Chloride | | |
| | 4 | *:/q/b | 8 | | 1 1 1 |
| NFE | | | | | |
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| or Damages. Cardraits liability and client's exclusi g those for negligence and any other cause what tritmal be liable for incidental or consequential dan stront of or related to the performance of services | revenedy for any claim arising whether based in contract or oncers shall be deemed waived unless made in writing and in larges, including without limitation, business interruptions, be here-under by Cardinal, respectivess of whether such claim is here-under by Cardinal, respectives. | or tort, shall be limited to the amount paid by the client for the directived by Candinau within 30 days after completion of the appli loss of use, of loss of profils incurred by client, its subdiames; is based upon and the ahnew transfer resonance or the united is based upon and of the ahnew transfer or entermined is based upon and of the ahnew transfer or entermined is based upon and of the ahnew transfer or entermined is based upon and of the ahnew transfer or entermined is based upon and the ahnew transfer or entermined is based upon a set of the ahnew transfer or entermined is based upon a set of the ahnew transfer or entermined is based upon a set of the ahnew transfer or entermined is based upon a set of the ahnew transfer or entermined is based upon a set of the ahnew transfer or entermined is based upon a set of the ahnew transfer or entermined is based upon a set of the ahnew transfer or entermined is based upon a set of the ahnew transfer or entermined is based upon a set of the ahnew transfer or entermined is based upon a set of the ahnew transfer or entermined is based upon a set of the ahnew transfer or entermined is based upon a set of the ahnew transfer or entermined is based upon a set of the ahnew transfer or entermined is the annew transf | licable | | L |
| Ď | Time: 1545 MOUL H | Phone Result: Fax Result: REMARKS: | □ Yes | □ No Add'I Phone #: □ No Add'I Fax #: | |
| Time: | Received BY: | | | dneel2@concho.com | |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | 5.2° Coople Condition | M CHECKED BY: | | | |
| 5. Please fax written changes to 575-393-2476 | オール | 0 | | | L |

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January 27, 2017

Cliff Brunson BBC International, Inc. P.O. Box 805 Hobbs, NM 88241

RE: GERONIMO FEDERAL #001

Enclosed are the results of analyses for samples received by the laboratory on 01/23/17 11:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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 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



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

| Received: | 01/23/2017 | Sampling Date: | 01/16/2017 |
|-------------------|-----------------------|---------------------|---------------|
| Reported: | 01/27/2017 | Sampling Type: | Soil |
| Project Name: | GERONIMO FEDERAL #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | COG - LEA COUNTY, NM | | |

Sample ID: SP 1 @ 1' (H700146-01)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4480 | 16.0 | 01/24/2017 | ND | 432 | 108 | 400 | 3.64 | |

Sample ID: SP 1 @ 3' (H700146-02)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3080 | 16.0 | 01/24/2017 | ND | 432 | 108 | 400 | 3.64 | |

Sample ID: SP 1 @ 5' (H700146-03)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4720 | 16.0 | 01/24/2017 | ND | 432 | 108 | 400 | 3.64 | |

Sample ID: SP 1 @ 7' (H700146-04)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4400 | 16.0 | 01/24/2017 | ND | 432 | 108 | 400 | 3.64 | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

| Received: | 01/23/2017 | Sampling Date: | 01/16/2017 |
|-------------------|-----------------------|---------------------|---------------|
| Reported: | 01/27/2017 | Sampling Type: | Soil |
| Project Name: | GERONIMO FEDERAL #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | COG - LEA COUNTY, NM | | |

Sample ID: SP 1 @ 9' (H700146-05)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 7600 | 16.0 | 01/24/2017 | ND | 432 | 108 | 400 | 3.64 | |

Sample ID: SP 1 @ 12' (H700146-06)

| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: HM | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4480 | 16.0 | 01/25/2017 | ND | 416 | 104 | 400 | 3.77 | QM-07 |

Sample ID: SP 2 @ 1' (H700146-07)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: HM | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 7300 | 16.0 | 01/25/2017 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: SP 2 @ 3' (H700146-08)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: HM | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4400 | 16.0 | 01/25/2017 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: SP 2 @ 5' (H700146-09)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: HM | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3840 | 16.0 | 01/25/2017 | ND | 416 | 104 | 400 | 3.77 | |

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*=Accredited Analyte

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Celeg D. Keine



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

| Received: | 01/23/2017 | Sampling Date: | 01/16/2017 |
|-------------------|-----------------------|---------------------|---------------|
| Reported: | 01/27/2017 | Sampling Type: | Soil |
| Project Name: | GERONIMO FEDERAL #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | COG - LEA COUNTY, NM | | |

Sample ID: SP 2 @ 7' (H700146-10)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: HM | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4800 | 16.0 | 01/25/2017 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: SP 2 @ 9' (H700146-11)

| Chloride, SM4500Cl-B | mg, | ′kg | Analyze | d By: HM | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 6500 | 16.0 | 01/25/2017 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: SP 2 @ 12' (H700146-12)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: HM | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 6160 | 16.0 | 01/25/2017 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: SP 3 @ 1' (H700146-13)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: HM | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4960 | 16.0 | 01/25/2017 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: SP 3 @ 3' (H700146-14)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: HM | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4400 | 16.0 | 01/25/2017 | ND | 416 | 104 | 400 | 3.77 | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

| Received: | 01/23/2017 | Sampling Date: | 01/16/2017 |
|-------------------|-----------------------|---------------------|---------------|
| Reported: | 01/27/2017 | Sampling Type: | Soil |
| Project Name: | GERONIMO FEDERAL #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | COG - LEA COUNTY, NM | | |

Sample ID: SP 3 @ 5' (H700146-15)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: HM | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 01/25/2017 | ND | 416 | 104 | 400 | 3.77 | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
|-------|--|
| 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

Celleg D. Kune

Celey D. Keene, Lab Director/Quality Manager

| bbc International, Inc. | | BIL | BILL TO | | ANALYSIS REQUEST |
|--|--|--|--|--|--|
| | | P.O. #: | | | |
| | | Company: | 96 | | |
| | p: 88241 | Attn: BYW | Sop | | |
| Fax #: 575-39 | 17-0397 | Address: | | | |
| Project Owner: (| 06 | City: | | | |
| Project Name: GERONIMO FEDERAL #001 | | | μ. | | |
| Lea County, NM | | | | | |
| JEFF ORNELAS | | Fax #: | | | |
| ۸P. | MATRIX | PRESERV. | SAMPLING | | |
| G)RAB OR (C)OMP | # CONTAINERS GROUNDWATER WASTEWATER SOIL DIL | OTHER : ACID/BASE: CE / COOL | | <u>C(</u> | |
| 6 (G | - # 1 GI W < SC OI | | | | |
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| ity and client's exclusive remedy for any cla any other cause whatsoever shall be deeme | im ansing whether based in contra Id waived unless made in writing a | act or tort, shall be limited to t and raceived by Cardinal with | he amount paid by the cl in 30 days after complete | client for the fion of the applicable | - |
| na of services hereunder by Car | thether sur | m is based upon any of the a | ove stated reasons or o Phon Fax R | It: □ Yes | No Add'l Phone #: Add'l Fax #: |
| 1 | J. | ENSON | | | |
| FEDE FEDE | State: NM Zip: Fax #: 575-397- Project Owmer: Co ERAL #001 A LAS G Infort acclusive remedy for any claim a more drawning for any claim a friend of any claim a friend of any claim a more drawning for any claim a friend of any claim a friend of any claim a more drawning for any claim a friend of any claim a | I.D. AS AS Fax #: 575-397-0397 Project Owner: 05 RAL #001 RAL #001 AS AS I.D. | India, Intro. PO. #: State: NM Fax #: 575-397-0397 Project Owner: Company: RAL #001 City: RAL #001 State: State: State: RAL #001 State: State: City: RAL #001 State: City: State: State: State | Ind., Intc. Project Project Owner: Project Owner: | NM Zip: 88241 Attr:: Company: Operation 575-397-0397 Address: City: Preservice State: Zip: Some: Company: Com |

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

Page 7 of 8

| Company Name: BBC International, Inc. | | BILL TO | 0 | ANALYSIS REQUEST |
|--|---|--|---|--|
| Project Manager: Cliff Brunson | | P.O. #: | | |
| Address: P.O. Box 805 | | company: COG | Ŭ | |
| city: Hobbs State: NM | NM Zip: 88241 | Attn: Aub | S A | |
| Phone #: 575-397-6388 Fax #: | 575-397-0397 | Address: | | |
| Project #: Project | Project Owner: (06 | City: | | |
| Project Name: GERONIMO FEDERAL #001 | | State: Zip: | | |
| Project Location: Lea County, NM | | Phone #: | | |
| Sampler Name: JEFF ORNELAS | | Fax #: | | |
| FOR LAB USE ONLY | MATRIX | PRESERV. SA | SAMPLING | |
| Lab I.D. Sample I.D. | (G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE | OTHER : ACID/BASE: ICE / COOL OTHER : | TE TIME | |
| 11 SP2 @ 9' | - | V 1 | = | |
| - | - | V 1/16/17 | 17 2:26 PM 🗸 | |
| ~ | 61 1 | V 1/16/17 | 17 2:45 PM 🗸 | |
| | 61 1 | V 1/16/17 | 17 3:01 PM | |
| 5 SP3 @ 5' | - 4 | V 1/16/17 | 17 3:45 PM | |
| est the | | | | |
| service. It roams including those for negligence and any other cause avalatose service. It no event shall Cardinal be liable for incidental or consequential earneges the attiliates or successors arising out of or related to the performance of services here Relinquished By: Date: | the deemed varied unless make in writing and monived by Cardinal writin 30 days after completable ex. Including without imitation, business interruptions, loss of use, or loss of profils incurred by Cited, its subsidiaries, mundle by Cardinal, "Brain Based upon any of the above stated reasons or otherwise. If Received By: Fax Result: | nd received by Cardinal within 30 da , loss of use, or loss of profits incurr is based upon any of the above sta | 30 days after completion of the app incurred by client, its subsidiarities, we stated reasons or otherwise. Phone Result: Fax Result: | icable Yes I No Add'I Phone #: Yes I No Add'I Fax #: |
| Relinquished By: Carelie Cunas Dejwered By: (Circle One) | 17 Received By: AUAL JU Sample Condi | tion CHECKED BY: | | |

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Page 8 of 8

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



April 13, 2017

Cliff Brunson BBC International, Inc. P.O. Box 805 Hobbs, NM 88241

RE: GERONIMO FEDERAL #001

Enclosed are the results of analyses for samples received by the laboratory on 04/10/17 8:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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 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,

Celecz D. Keine

Celey D. Keene Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

| Received: | 04/10/2017 | Sampling Date: | 04/06/2017 |
|-------------------|-----------------------|---------------------|----------------|
| Reported: | 04/13/2017 | Sampling Type: | Soil |
| Project Name: | GERONIMO FEDERAL #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG - LEA COUNTY, NM | | |

Sample ID: SB 1 @ 15' (H700942-01)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5060 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: SB 1 @ 21' (H700942-02)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3280 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: SB 1 @ 25' (H700942-03)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2800 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: SB 1 @ 29' (H700942-04)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1880 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

| Received: | 04/10/2017 | Sampling Date: | 04/06/2017 |
|-------------------|-----------------------|---------------------|----------------|
| Reported: | 04/13/2017 | Sampling Type: | Soil |
| Project Name: | GERONIMO FEDERAL #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG - LEA COUNTY, NM | | |

Sample ID: SB 1 @ 35' (H700942-05)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2880 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: SB 1 @ 43' (H700942-06)

| Chloride, SM4500Cl-B | mg, | /kg | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3080 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: SB 1 @ 45' (H700942-07)

| Chloride, SM4500Cl-B | mg, | /kg | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 704 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: SB 1 @ 47' (H700942-08)

| Chloride, SM4500Cl-B | mg/kg | | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 720 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: SB 1 @ 49' (H700942-09)

| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 736 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

| Received: | 04/10/2017 | Sampling Date: | 04/06/2017 |
|-------------------|-----------------------|---------------------|----------------|
| Reported: | 04/13/2017 | Sampling Type: | Soil |
| Project Name: | GERONIMO FEDERAL #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG - LEA COUNTY, NM | | |

Sample ID: SB 1 @ 51' (H700942-10)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1310 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: SB 1 @ 53' (H700942-11)

| Chloride, SM4500Cl-B | de, SM4500Cl-B mg/kg | | | | Analyzed By: AC | | | | |
|----------------------|----------------------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 272 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: SB 1 @ 58' (H700942-12)

| Chloride, SM4500Cl-B | mg | /kg | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: SB 2 @ 15' (H700942-13)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5730 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: SB 2 @ 19' (H700942-14)

| Chloride, SM4500Cl-B | M4500Cl-B mg/kg | | | Analyzed By: AC | | | | | |
|----------------------|-----------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3520 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

| Received: | 04/10/2017 | Sampling Date: | 04/06/2017 |
|-------------------|-----------------------|---------------------|----------------|
| Reported: | 04/13/2017 | Sampling Type: | Soil |
| Project Name: | GERONIMO FEDERAL #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG - LEA COUNTY, NM | | |

Sample ID: SB 2 @ 24' (H700942-15)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 6130 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: SB 2 @ 32' (H700942-16)

| Chloride, SM4500Cl-B | loride, SM4500Cl-B mg/kg | | | | Analyzed By: AC | | | | |
|----------------------|--------------------------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3520 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: SB 2 @ 35' (H700942-17)

| Chloride, SM4500Cl-B | 500Cl-B mg/kg | | | Analyzed By: AC | | | | | |
|----------------------|---------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2720 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: SB 2 @ 43' (H700942-18)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2000 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: SB 2 @ 48' (H700942-19)

| Chloride, SM4500Cl-B | DCI-B mg/kg | | | Analyzed By: AC | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1570 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

| Received: | 04/10/2017 | Sampling Date: | 04/06/2017 |
|-------------------|-----------------------|---------------------|----------------|
| Reported: | 04/13/2017 | Sampling Type: | Soil |
| Project Name: | GERONIMO FEDERAL #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG - LEA COUNTY, NM | | |

Sample ID: SB 2 @ 51' (H700942-20)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 784 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: SB 2 @ 53' (H700942-21)

| Chloride, SM4500Cl-B | Analyze | i By: AC | | | | | | | |
|----------------------|---------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: SB 2 @ 58' (H700942-22)

| Chloride, SM4500Cl-B | 14500Cl-B mg/kg | | | Analyzed By: AC | | | | | |
|----------------------|-----------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 272 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: NORTH SAMPLE (H700942-23)

| Chloride, SM4500Cl-B | -B mg/kg | | | Analyzed By: AC | | | | | |
|----------------------|----------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: EAST SAMPLE (H700942-24)

| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 272 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

| Received: | 04/10/2017 | Sampling Date: | 04/06/2017 |
|-------------------|-----------------------|---------------------|----------------|
| Reported: | 04/13/2017 | Sampling Type: | Soil |
| Project Name: | GERONIMO FEDERAL #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG - LEA COUNTY, NM | | |

Sample ID: SOUTH SAMPLE (H700942-25)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: WEST SAMPLE (H700942-26)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 272 | 16.0 | 04/12/2017 | ND | 432 | 108 | 400 | 0.00 | |

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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 claims besed upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Londardines.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
|-------|--|
| 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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Celleg D. Kune

Celey D. Keene, Lab Director/Quality Manager

Page 8 of 11

| (505) 393-2320 FAA (303) 333-2410 | 2410 | BILL TO | ANALYSIS REQUEST |
|--|---|--|---|
| Project Manager: Cliff Brunson | P.O. #: | . 并 | |
| | Con | Company: | |
| sdo | M zip: 88241 Attn: | | |
| 5-397-6388 Fax #: | 5-397-0397 | Address: | |
| Project C | wner: City: | | |
| ame: AFROMM | 4001 | te: Zip: | |
| Project Location: | | Phone #: | |
| Sampler Name: DAY HED | nandi 7 Fax #: | | £ |
| FOR LAB USE ONLY | MATRIX | PRESERV. SAMPLING | |
| Lab I.D. Sample I.D. | (G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : | | |
| 122/1 | 6-1 4 | 550 41-91.0 M | 22 |
| 62 00 | 1 1 | V 41-6-17 11933 | |
| 6 6 43. | 201 | V 4017 1278 | e |
| | 21 4 | 801 1/ 1/ 1/ | 79 |
| . 67 @ 6 | 1 | 1 4.6.17 118 | V |
| 2EASE NOTE: Lubility and Damages. Cardinal's lability and cleant's exclusive removases. All claims including those for negligence and any other cause whatsoever analyses. All claims including those for insight for incidential or consequential damages. | medy for any claim ansing whether based in contract or tort, shall be limited to the amount paid r shall be deemed waived unless made in writing and received by Cacdinal within 30 days at uncluding without limitation, business interruptions, tops of use, or loss of profils incurred by all of uncluding without limitation. | by the completent, its | subardiar#se subardiar#se, - nthewaka |
| ed to the performance of services hern Date: 12: Time: | 10.17 Received By: | Phone Result: Fax Result: REMARKS: | sult: |
| Relinquished By: Date: 0. Time: | 17 Received By: | Markal. | |
| 8.4 | Sample Condition | CHECKED BY: | |

Page 9 of 11

| (505 | 505) 393-2326 FAX (505) 393-2470 | 410 | BILL TO | | ANALYSIS REQUEST |
|---|---|--|---|---|--|
| Company Name: BBC Internation | Cliff Brunson | | | | |
| Address: P.O. Box 805 | x 805 | | Company: | | |
| | State: NM | A zip: 88241 | Attn: | | |
| Phone #: 575-397-6388 | Fax #: | ςī Ι | Address: | | |
| Project #: | Project Owner: | mer: C. C. G | City: | | |
| Project Name: | DET OWNNULLE | 1 100 # (| State: Zip: | | |
| Project Location: | deres | | Phone #: | | |
| Sampler Name: | Mir R HERNO | 270002 | 1 | K | |
| FOR LAB USE ONLY | | RS | PRESERV. SAMPLING | ORID | |
| Lab I.D. | Sample I.D. | G)RAB OR (CONTAINE GROUNDWA WASTEWATI SOIL OIL SLUDGE | OTHER : ACID/BASE: ICE / COOL OTHER : DATE | TIME | |
| 11 - | SBIC 53 | - + 0 V S O | 1 4 | 12/ 1/ | |
| 13 4 | SB20 15 | 121 | V 44-17 | 105 1 | |
| 14 | 0 24 | 211 | 119.1 A | 246 1 | |
| 16 | 0 32 | 1 20 | N 4.6.1 | 321 0 | |
| 12 | 6 43 35 | 61 0 | 1-9-1 1 | 1 945 | |
| | anions Cardina's tability and clearts exclusive rame | C / V C / V | act or tort, shall be imited to the amount pair | a by the client for the | |
| analyses. All clears including three tor mg service. In no event shall Cardinal be liable affiliates or successors arising out of or relial Relinquished By: | ogence and any orun: raises winascess, for incidential or consequential damages, of to the performance of services heteur Date: 1/0 | without limitation, ardinal, recardless Received | business interruptions, toss of use, or loss of profits incurred by dilent, its of whether such claim is based upon any of the above stated reasons of By: PEX | rothenwise ne Result: 1 Yes Result: 1 Yes MARKS: | □ No Add'I Phone #: □ No Add'I Fax #: |
| Relinquished By: | Date: 0- | 17 Received By: | Adatha | | |
| Delivered Ry: (Circle One) | Circle One) | - Manalan | CH | | |
| Delivered Dy. 1 | Current Current | Sample Condition | + (Initials) | - | |

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Page 10 of 11

| Company Name: BBC | BBC International. Inc. | BILL TO | ANALYSIS REQUEST |
|--|--|---|--|
| 1.00 | f Brunson | P.O. #: | |
| Address: P.O. Box 805 | 305 | Company: | |
| 0 | State: NM Zip: 88241 | Attn: | |
| Phone #: 575-397-6388 | Fax #: 575 | Address: | |
| Project #: | Project Owner: C. O. C | City: | |
| Project Name: | 500000 \$ 001 | State: Zip: | |
| Project Location: | | Phone #: | |
| Sampler Name: | ROGEN HENNEVEL 7 | Fax #: | |
| Lab I.D. | (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL | SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE | |
| S 18 | # C GR WA | | |
| the set | althe scientific 1 | 1 011 LI-A-M | |
| 200 | With School CI 4 | 1 4.4.17 130 V | |
| PLEASE NOTE: Lubility and Damages | Cardinal's liability and client's acclusive remedy for any claim mraing whether base | d in contract or lock shall be limited to the amount paid by the client for the lower the client for the applicable or writing of days after completion of the applicable | |
| spender. In so event shall Cardinal be liable for incidential or con- attinues or successors atting out of or related to the performan Relinquished By: Original A. A. A. | raide for incidential or consequential auranges, incoding window running window running window running incoding window running window runni running wi | uch daim a based uppn any of the above stated reasons or otherwise. Phone Result: Yes Fax Result: Yes REMARKS: | 'es □ No Add'l Phone #: 'es □ No Add'l Fax #: |
| Relinquished By: | Time 2.25 | ample Condition CHECKED BY: | |

11 Page 11 of 11

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505 Form C-141 Revised August 8, 2011

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

| | and the state | Uq | 1111 I C, 14141 C7. | 000 | | | | |
|--------------------------------------|-------------------------|--------------------|---------------------------|--|----------------------------|----------------------------|--|--|
| | Rel | ease Notific | ation and Co | orrective A | ction | | | |
| | | | OPERA | TOR | 🛛 Initial Re | eport 🔲 Final Repo | | |
| Name of Company: COG | | | Contact: Ro | bert McNeill | Branned Street | Terr C - mar stelle | | |
| Address: 600 West Illinois | | | Telephone | Telephone No. 432-683-7443 | | | | |
| Facility Name: GERONIM | IO FEDERAL # | 001 | Facility Typ | Facility Type: Battery | | | | |
| Surface Owner; | | Mineral O | wner: Federal | | API No. 30- | 025-30645 | | |
| | | LOCA | TION OF RE | LEASE | | | | |
| | wnship Range 19S 33E | Feet from the 660' | North/South Line North | Feet from the 660' | East/West Line West | County Lea | | |
| Type of Release: Produced Water | | | | Release: | Volume Recov 15 bbls PW | ered: | | |
| Produced Water Source of Release: | | | 18 bbls PV Date and H | / lour of Occurrenc | 1 F F 1 F 1 F 1 F 1 F | of Discovery: | | |
| Hole in tank | | | 7/19/2016 | | 7/19/2016 9:00 am | | | |
| Was Immediate Notice Given | |] No 🛛 Not Red | If YES, To | Whom? | | | | |
| By Whom? | -stra | | Date and H | Date and Hour: | | | | |
| Was a Watercourse Reached? | 🗌 Yes 🛛 |] No | If YES, Vo | If YES, Volume Impacting the Watercourse. | | | | |
| If a Watercourse was Impacted | d, Describe Fully.* | 3 | | | | Construction of the second | | |
| | | | | | | | | |
| | 10 1111 | | | ale di surre s | | | | |
| Describe Cause of Problem an | d Remedial Action | n Taken.* | | | | | | |
| | | | | | | | | |

This release was caused by a hole in the bottom of the tank. A vacuum truck was dispatched to recover all standing fluid.

Describe Area Affected and Cleanup Action Taken.*

This release occurred in an unlined facility and was contained within the earthen berm. Concho will have the spill site sampled to delineate any possible contamination from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation work.

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

| Signature: | manda T. Deuis | <u>OIL CON</u> | SERVATION DIVISION |
|---------------------|----------------------------------|-----------------------------|--------------------|
| Printed Name: | Amanda Trujillo Davis | Approved by Environmental S | pecialist: |
| Title: | Senior Environmental Coordinator | Approval Date: | Expiration Date: |
| E-mail Address: | atrujillo@concho.com | Conditions of Approval: | Attached |
| Date: July 27, 2016 | Phone: 575-748-6940 | | |

Attach Additional Sheets If Necessary