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28 September 2015

Darrell Savage
Conoco Phillips-Farmington
3401 30th Street
Farmington, NM 87401

RE: Braden Head Ge-Ele-Gu-Lith-E #2 - 30-045-11834; Whan Jones #1 - API - 30-045-05660; Hun-Nop-Pi - API - 30-045-05761

Enclosed are the results of analyses for samples received by the laboratory on 09/14/15 15:45.
If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads 'Debbie Zufelt'.

Debbie Zufelt
Reports Manager

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water.

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water



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Conoco Phillips-Farmington
3401 30th Street
Farmington NM, 87401

Project: Braden Head
Project Name / Number: Area #21
Project Manager: Darrell Savage

Reported:
09/28/15 13:39

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---------------------------------------|---------------|--------|----------------|----------------|
| GE-ELE-GU-LITH -E2 API - 30-045-11834 | 1509154-01 | Water | 09/14/15 12:20 | 09/14/15 15:45 |
| WHAN JONES #1 API - 30-045-05660 | 1509154-02 | Water | 09/14/15 13:05 | 09/14/15 15:45 |
| HUN-NOP-P1 #1 API - 30-045-05761 | 1509154-03 | Water | 09/14/15 13:36 | 09/14/15 15:45 |

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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SEP 30 2015

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GE-ELE-GU-LITH -E2 API - 30-045-11834

1509154-01 (Water)

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---------|--------|----|-----|-------|----------|----------|--------|-------|---------|
|---------|--------|----|-----|-------|----------|----------|--------|-------|---------|

General Chemistry

| | | | | | | | | | |
|-----------|-------|------|------|----------|---|----------|--------------|--|-----|
| Chloride* | <10.0 | 10.0 | 5.00 | mg/L | 1 | 09/28/15 | 4500-Cl- C | | LLG |
| pH* | 10.7 | | | pH Units | 1 | 09/15/15 | EPA150.1 | | MAJ |
| Sulfate | 142 | 20.0 | 3.36 | mg/L | 2 | 09/26/15 | 4500-SO42- E | | ABP |
| TDS* | 660 | 10.0 | | mg/L | 1 | 09/16/15 | EPA160.1 | | ABP |

WHAN JONES #1 - API - 30-045-05660

1509154-02 (Water)

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---------|--------|----|-----|-------|----------|----------|--------|-------|---------|
|---------|--------|----|-----|-------|----------|----------|--------|-------|---------|

General Chemistry

| | | | | | | | | | |
|-----------|-------|------|------|----------|---|----------|--------------|--|-----|
| Chloride* | <10.0 | 10.0 | 5.00 | mg/L | 1 | 09/28/15 | 4500-Cl- C | | LLG |
| pH* | 10.9 | | | pH Units | 1 | 09/15/15 | EPA150.1 | | MAJ |
| Sulfate | 133 | 20.0 | 3.36 | mg/L | 2 | 09/26/15 | 4500-SO42- E | | ABP |
| TDS* | 735 | 10.0 | | mg/L | 1 | 09/16/15 | EPA160.1 | | ABP |

HUN-NOP-PI #1 API - 30-045-05761

1509154-03 (Water)

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---------|--------|----|-----|-------|----------|----------|--------|-------|---------|
|---------|--------|----|-----|-------|----------|----------|--------|-------|---------|

General Chemistry

| | | | | | | | | | |
|-----------|-------|------|------|----------|---|----------|--------------|--|-----|
| Chloride* | <10.0 | 10.0 | 5.00 | mg/L | 1 | 09/28/15 | 4500-Cl- C | | LLG |
| pH* | 9.74 | | | pH Units | 1 | 09/15/15 | EPA150.1 | | MAJ |
| Sulfate | 133 | 20.0 | 3.36 | mg/L | 2 | 09/26/15 | 4500-SO42- E | | ABP |
| TDS* | 535 | 10.0 | | mg/L | 1 | 09/16/15 | EPA160.1 | | ABP |

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

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Debbie Zufelt, Reports Manager

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Reported:
09/28/15 13:39

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
*Results reported on as received basis unless designated as dry.
RPD Relative Percent Difference
LCS Laboratory Control Sample (Blank Spike)
RL Report Limit
MDL Method Detection Limit

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| | | |
|--|---|-------------------------|
| Client: COP | Phone# (505) 320-2634 | Contact: Darrell Savage |
| Address: 3401 E. 30th St. Farmington, NM 87402 | E-Mail Address: darrell.q.savage@conocophillips.com | |



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| CHAIN OF CUSTODY RECORD | |
|-------------------------|----------|
| GAL Work Order # | 1509-154 |
| PO# | |
| Project Name: | Alea #21 |

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Noice
1cc
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Dyo

Sample Location: (1)BumperSpring, (2)CompressorDischarge, (3)Flowline, (4)Meter, (5)Oil Tank
(6)PigLauncher, (7)PigReceiver, (8)Pipeline, (9)Pit Tank, (10)PostFilter, (11)PreFilter
(12)SeparatorInlet, (13)SeparatorOutlet, (14)SeparatorDump, (15)SWDInlet
(16)SWDOutlet, (17)TransferPump, (18)ValveCan, (19)WaterTank, (20)Wellhead
(21)Other - Braden Head

Sample Type: (1)Casing, (2)CO2GasTube, (3)Coupon, (4)Water, (5)H2SGasTube, (6)Metals
(7)O2GasTube, (8)PipeSection, (9)Residual, (10)Sludge, (11)Solid, (12)Tubing, (13)Other

| Collection | | | | | | | Preservative | | Analyses Required | | | | | |
|-------------------------|---------|-------|-----------------------|-----------------|-------------|-------------------|-----------------|-------------|-------------------|--------|--------------------|-----------|----------------|----------------------------|
| Well Name (Sample Name) | Date | Time | Collected By: (Init.) | Sample Location | Sample Type | No. of Containers | Filtered: Y / N | Unpreserved | H2SO4 | Other: | Iron and Manganese | Phosphate | Full Water API | Braden Head Water Analysis |
| 1. GE-ELE-GU-LITH-E2 | 9-14-15 | 12:20 | DS | 21 | 4 | 1 | N | Y | | | | | | X |
| 2. WHAN JONES #1 | 11 | 13:05 | DS | 21 | 4 | 1 | N | Y | | | | | | X |
| 3. HUN-REF-PI #1 | 11 | 13:36 | DS | 21 | 4 | 1 | N | Y | | | | | | X |
| 4. | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | |
| 11. | | | | | | | | | | | | | | |
| 12. | | | | | | | | | | | | | | |
| 13. | | | | | | | | | | | | | | |
| 14. | | | | | | | | | | | | | | |
| 15. | | | | | | | | | | | | | | |
| 16. | | | | | | | | | | | | | | |
| 17. | | | | | | | | | | | | | | |
| 18. | | | | | | | | | | | | | | |
| 19. | | | | | | | | | | | | | | |
| 20. | | | | | | | | | | | | | | |

| | | | | | |
|--------------------|---------|-------|---------------------|-------------------|-------|
| Relinquished by: | Date: | Time: | Received By: | Date: | Time: |
| <i>[Signature]</i> | 9-14-15 | 15:45 | <i>[Signature]</i> | 9/14/15 | 1545 |
| Christie Clark | 9/14/15 | 16:55 | Kangaroo Sp. | 9/14/15 | 16:55 |
| | | | Kangaroo 915-15 930 | Michael Valentine | |

[illegible]