



dzufelt@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303

www.GreenAnalytical.com

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

Project: Braden Head
Project Name / Number: [none]
Project Manager: Bill Eaves

Reported:
09/11/15 16:08

Burroughs Com 1 BH API-30-045-06149

1508312-01 (Water)

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

General Chemistry

| | | | | | | | | | |
|-----------|------|------|------|----------|----|----------|--------------|----|-----|
| Chloride* | 23.0 | 10.0 | 5.00 | mg/L | 1 | 09/11/15 | 4500-Cl- C | | LLG |
| pH* | 8.74 | | | pH Units | 1 | 08/25/15 | EPA150.1 | H4 | MAJ |
| Sulfate | 2740 | 500 | 84.0 | mg/L | 50 | 09/05/15 | 4500-SO42- E | | ABP |
| TDS* | 4090 | 10.0 | | mg/L | 1 | 08/27/15 | EPA160.1 | | ABP |

Marron WN Fed 7 API-30-045-20443

1508312-02 (Water)

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

General Chemistry

| | | | | | | | | | |
|-----------|-------|------|------|----------|----|----------|--------------|----|-----|
| Chloride* | <10.0 | 10.0 | 5.00 | mg/L | 1 | 09/11/15 | 4500-Cl- C | | LLG |
| pH* | 8.71 | | | pH Units | 1 | 08/25/15 | EPA150.1 | H4 | MAJ |
| Sulfate | 588 | 100 | 16.8 | mg/L | 10 | 09/05/15 | 4500-SO42- E | | ABP |
| TDS* | 1220 | 10.0 | | mg/L | 1 | 08/27/15 | EPA160.1 | | ABP |

Brookhaven Com D 5 API -30-045-06150

1508312-03 (Water)

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

General Chemistry

| | | | | | | | | | |
|-----------|-------|------|------|----------|---|----------|--------------|----|-----|
| Chloride* | <10.0 | 10.0 | 5.00 | mg/L | 1 | 09/11/15 | 4500-Cl- C | | LLG |
| pH* | 9.58 | | | pH Units | 1 | 08/25/15 | EPA150.1 | H4 | MAJ |
| Sulfate | 230 | 50.0 | 8.40 | mg/L | 5 | 09/05/15 | 4500-SO42- E | | ABP |
| TDS* | 530 | 10.0 | | mg/L | 1 | 08/27/15 | EPA160.1 | | ABP |

Burroughs Com 1 INT API-30-045-06149

1508312-04 (Water)

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

General Chemistry

| | | | | | | | | | |
|-----------|------|------|------|----------|----|----------|--------------|----|-----|
| Chloride* | 22.0 | 10.0 | 5.00 | mg/L | 1 | 09/11/15 | 4500-Cl- C | | LLG |
| pH* | 9.77 | | | pH Units | 1 | 08/25/15 | EPA150.1 | H4 | MAJ |
| Sulfate | 2910 | 500 | 84.0 | mg/L | 50 | 09/05/15 | 4500-SO42- E | | ABP |

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

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Project: Braden Head
Project Name / Number: [none]
Project Manager: Bill Eaves

Reported:
09/11/15 16:08

Burroughs Com 1 INT API-30-045-06149

1508312-04 (Water)

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

General Chemistry

| | | | | | | | | | |
|------|------|------|--|------|---|----------|----------|--|-----|
| TDS* | 4720 | 10.0 | | mg/L | 1 | 08/27/15 | EPA160.1 | | ABP |
|------|------|------|--|------|---|----------|----------|--|-----|

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

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Project Name / Number: [none]
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Reported:
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Notes and Definitions

| | |
|-----|---|
| Q1 | Sample received outside of acceptable temperature range for analyses requiring cold storage. |
| H4 | pH analysis performed more than 48 hours after sampling. |
| 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# 960-5425 Contact
Address: 3401 E. MAIN Farmington E-Mail Address: Bill.Eaves@CrescoPhillips.com
87402



75 Suttle Street
Durango, CO 81303
Phone: 970-247-4220
FAX: 970-247-4227

CHAIN OF CUSTODY RECORD

GAL Work Order # 1508-312

PO#

Project Name:

Sample Location: (1) Bumper Spring, (2) Compressor Discharge, (3) Flowline, (4) Meter, (5) Oil Tank
(6) Pig Launcher, (7) Pig Receiver, (8) Pipeline, (9) Pit Tank, (10) Post Filter, (11) Pre Filter
(12) Separator Inlet, (13) Separator Outlet, (14) Separator Dump, (15) SWD Inlet
(16) SWD Outlet, (17) Transfer Pump, (18) Valve Can, (19) Water Tank, (20) Wellhead
(21) Other

Sample Type: (1) Casing, (2) CO2 Gas Tube, (3) Coupon, (4) Water, (5) H2S Gas Tube, (6) Metals
(7) O2 Gas Tube, (8) Pipe Section, (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 | Gravim |
| 1. Burroughs Cam 1 BH | 8-20-15 | 9:00 AM | CEP | 21 | 4 | 1 | N | N | — | — | | | | X |
| 2. MARIAN Wm Fed 7 | 8-20-15 | AM | CEP | 21 | 4 | 1 | N | — | — | — | | | | X |
| 3. Brookhaven Cam D.S | 8-20 | AM | CEP | 21 | 4 | 1 | N | — | — | — | | | | X |
| 4. Burroughs 3 Cam 1 INT | 8-20 | AM | CEP | 21 | 4 | 1 | N | — | — | — | | | | X |
| 5. | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | |
| 11. | | | | | | | | | | | | | | |
| 12. | | | | | | | | | | | | | | |
| 13. | | | | | | | | | | | | | | |
| 14. | | | | | | | | | | | | | | |
| 15. | | | | | | | | | | | | | | |
| 16. | | | | | | | | | | | | | | |
| 17. | | | | | | | | | | | | | | |
| 18. | | | | | | | | | | | | | | |
| 19. | | | | | | | | | | | | | | |
| 20. | | | | | | | | | | | | | | |

Relinquished by: Bill Eaves Date: 8-21-15 Time: 2:50 Received By: Chunta Chan Date: 8/21/15 Time: 1950
as per Mike McGolden

Chunta Chan 8/24/15 1655 Kangaroo Express 8/24/15 1655



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11 September 2015

Bill Eaves
Conoco Phillips-Farmington
3401 30th Street
Farmington, NM 87401
RE: Braden Head

Enclosed are the results of analyses for samples received by the laboratory on 08/21/15 13:50.
If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script 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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Project: Braden Head
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Reported:
09/11/15 16:08

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---------------------|------------------|--------|----------------|----------------|
| Burroughs Com 1 BH | API-30-045-06149 | Water | 08/20/15 09:00 | 08/21/15 13:50 |
| Marron WN Fed 7 | API-30-045-20443 | Water | 08/20/15 09:00 | 08/21/15 13:50 |
| Brookhaven Com D 5 | API-30-045-06150 | Water | 08/20/15 09:00 | 08/21/15 13:50 |
| Burroughs Com 1 INT | API-30-045-06149 | Water | 08/20/15 09:00 | 08/21/15 13:50 |

OIL CONS. DIV DIST. 3

SEP 15 2015

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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