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|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------|
| Conoco Phillips-Farmington 3401 30th Street Farmington NM, 87401 | Project: Formation Comparison Project Name / Number: Area 1 Project Manager: Darrell Savage | Reported: 30-045-294B 06/17/16 12:21 |
|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------|

Aztec A #1A

tubing

1606069-01 (Water)

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|--------------------------------------------|--------|-------|-------|-------|----------|----------|----------|-------|---------|
| General Chemistry | | | | | | | | | |
| Alkalinity, Bicarbonate* | 32.0 | 10.0 | | mg/L | 1 | 06/14/16 | 2320 B | | KDG |
| Alkalinity, Carbonate* | <10.0 | 10.0 | | mg/L | 1 | 06/14/16 | 2320 B | | KDG |
| Chloride | 48.7 | 100 | 5.19 | mg/L | 100 | 06/15/16 | EPA300.0 | | JDA |
| Total Dissolved Solids | 185 | 10.0 | | mg/L | 1 | 06/14/16 | EPA160.1 | | KDG |
| Sulfate | <6.15 | 100 | 6.15 | mg/L | 100 | 06/15/16 | EPA300.0 | | JDA |
| Potentially Dissolved Metals by ICP | | | | | | | | | |
| Calcium* | 1.83 | 0.400 | 0.055 | mg/L | 20 | 06/10/16 | EPA200.7 | | JLM |
| Iron* | 60.2 | 1.00 | 0.070 | mg/L | 20 | 06/10/16 | EPA200.7 | | JLM |
| Magnesium* | <2.00 | 2.00 | 0.648 | mg/L | 20 | 06/10/16 | EPA200.7 | | JLM |
| Sodium* | <20.0 | 20.0 | 6.11 | mg/L | 20 | 06/10/16 | EPA200.7 | | JLM |

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

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



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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



CHAIN OF CUSTODY RECORD
 GAL Work Order # 1606069
 PO#
 Project Name: Area 1

24.3°C
 NO1°C
 4.5°C
 on ice Dgo

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
 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

| Well Name (Sample Name) | Collection | | | | | | Preservative | | | | Analyses Required | | | |
|-------------------------|------------|-------|-----------------------|-----------------|-------------|-------------------|---------------|-------------|-------|--------|--------------------|-----------|----------------|-----------------------|
| | 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 | Periodical Comparison |
| 1. AZTIC A #1A | 6-3-16 | 13:20 | DS | 20 | 4 | 1 | N | Y | | | | | DS | + |
| 2. | | | | | | | | | | | | | | |
| 3. | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | |
| 11. | | | | | | | | | | | | | | |
| 12. | | | | | | | | | | | | | | |
| 13. | | | | | | | | | | | | | | |
| 14. | | | | | | | | | | | | | | |
| 15. | | | | | | | | | | | | | | |
| 16. | | | | | | | | | | | | | | |
| 17. | | | | | | | | | | | | | | |
| 18. | | | | | | | | | | | | | | |
| 19. | | | | | | | | | | | | | | |
| 20. | | | | | | | | | | | | | | |

Relinquished by: Darrell Date: 6-3-16 Time: 14:32
Christina Clark Date: 6/6/16 Time: 1655
 Received By: Christina Clark Date: 6/3/16 Time: 1432
Kangaroo TP Date: 6/6/16 Time: 1655
Kangaroo 6-7-16 1050 → Michael Valentin

CIC water sampling form "Full sample" (requires 120 ML water for lab) (100 ML water needed for titrations)

| Well Name | Sampler Initials | Collection date & time | Temp. (F) | Sample PSI | Water color / clarity | PH | Dissolved CO2 (Titration) turns X 4 = PPM | Total Alkalinity (Titration) turns X 10 = PPM | CO2 Partial pressure | Comments |
|-----------|------------------|------------------------|-----------|------------|-----------------------|----|-------------------------------------------|-----------------------------------------------|----------------------|----------|
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

"Residual" water sample only (requires 60 ML water)

| Well Name | Sampler Initials | Collection date & time | Temp. (F) | Sample PSI | Water color / clarity | PH | CO2 Partial pressure if requested | Comments |
|-----------|------------------|------------------------|-----------|------------|-----------------------|------|-----------------------------------|----------|
| AZTEC #1A | DS | 6-3-16 13:20 | 58.4 | 98 | clear | 7.26 | - | Plugged |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

"Solid" sample collected for (solvency testing)

| Well Name | Sampler Initials | Collection date & time | Type Paraffin/Scale/Other | Norm test Y/N | Acid Soluble Y/N | Other tests conducted | Comments |
|-----------|------------------|------------------------|---------------------------|---------------|------------------|-----------------------|----------|
| | | | | | | | |
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17 June 2016

OIL CONS. DIV DIST. 3

JUN 27 2016

Darrell Savage
Conoco Phillips-Farmington
3401 30th Street
Farmington, NM 87401
RE: Formation Comparison

Enclosed are the results of analyses for samples received by the laboratory on 06/03/16 14:32.
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 through the Colorado Department of Public Health and Environment and EPA region 8.



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3401 30th Street
Farmington NM, 87401

Project: Formation Comparison
Project Name / Number: Area 1
Project Manager: Darrell Savage

Reported:
06/17/16 12:21

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------|---------------|--------|----------------|----------------|
| Aztec A #1A | 1606069-01 | Water | 06/03/16 13:20 | 06/03/16 14:32 |

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Kuehling, Monica, EMNRD

From: Busse, Dollie L <Dollie.L.Busse@conocophillips.com>
Sent: Tuesday, June 28, 2016 7:04 AM
To: Kuehling, Monica, EMNRD
Subject: FW: Calloway SRC #1 30-045-10593 (Aztec A 1A Water Analysis)

Morning Monica,

I'm sorry but I missed the engineer's note saying the sample from the Aztec A 1A was taken from the tubing on 6/3/2016. Please see her note below ... she is going to check on water samples in that area to see if they are also fresh. Let me know what you think.

I hope today isn't like yesterday ... :)

From: Wilcox, Michelle J
Sent: Tuesday, June 28, 2016 6:59 AM
To: Busse, Dollie L <Dollie.L.Busse@conocophillips.com>
Subject: RE: Calloway SRC #1 30-045-10593 (Aztec A 1A Water Analysis)

Hi Dollie,

Sorry, I tried to be clear below. It was collected from the tubing on 6/3/16. I also noticed that it appeared fresh. I do not know why it is fresh. I can try and see if we have any other water samples for other wells nearby to see if they are also fresh. I'm pretty booked up today, but I'll look into it asap.

Michelle

Sent with Good (www.good.com)

From: Busse, Dollie L
Sent: Monday, June 27, 2016 4:13:15 PM
To: Wilcox, Michelle J
Subject: FW: Calloway SRC #1 30-045-10593 (Aztec A 1A Water Analysis)

Hi Michelle,

Monica just called about this one saying the attached analysis doesn't say where the water sample was taken from. She also said it appears to be fresh water. Can you find out where it was taken and give me a heads up on why you think it would appear fresh?

Thanks so much! Sorry to have to keep going back and forth on these.
Dollie

From: Wilcox, Michelle J
Sent: Tuesday, June 21, 2016 9:44 AM
To: Busse, Dollie L <Dollie.L.Busse@conocophillips.com>
Subject: RE: Calloway SRC #1 30-045-10593 (Aztec A 1A Water Analysis)

Hi Dollie,

Attached is the water analysis from the Aztec A 1A. The sample was collected from the tubing on 6/3/16.

Thank you,
Michelle

From: Busse, Dollie L
Sent: Tuesday, June 21, 2016 6:19 AM
To: Wilcox, Michelle J <Michelle.J.Wilcox@conocophillips.com>
Subject: RE: Calloway SRC #1 30-045-10593

Thanks Michelle!

From: Wilcox, Michelle J
Sent: Tuesday, June 21, 2016 6:19 AM
To: Busse, Dollie L <Dollie.L.Busse@conocophillips.com>
Subject: RE: Calloway SRC #1 30-045-10593

We just got the results back yesterday afternoon. I haven't had a chance to look at them yet, but I will send them to you today. ☺

From: Busse, Dollie L
Sent: Tuesday, June 21, 2016 6:18 AM
To: Wilcox, Michelle J <Michelle.J.Wilcox@conocophillips.com>
Subject: RE: Calloway SRC #1 30-045-10593

Hi Michelle,

Just checking on the status of the water analysis for this well.

Thanks!
Dollie

From: Wilcox, Michelle J
Sent: Wednesday, May 25, 2016 9:22 AM
To: Busse, Dollie L <Dollie.L.Busse@conocophillips.com>
Subject: RE: Calloway SRC #1 30-045-10593

Great. I'll order the water sample right away. Thank you!

From: Busse, Dollie L
Sent: Wednesday, May 25, 2016 9:21 AM
To: Wilcox, Michelle J <Michelle.J.Wilcox@conocophillips.com>
Subject: RE: Calloway SRC #1 (30-045-10593) - Victoria Ramirez

She said that will work fine ... thanks again!