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[www.greenanalytical.com](http://www.greenanalytical.com)

15 June 2017

OIL CONS. DIV DIST. 3  
JUL 11 2017

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 06/01/17 16:10.  
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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Conoco Phillips-Farmington  
3401 30th Street  
Farmington NM, 87401

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

Reported:  
06/15/17 07:40

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Hubble 3E BHD (Area 2 bradenhead sample)	1706023-01	Water	05/31/17 10:25	06/01/17 16:10

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*Debbie Zufelt*

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, 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 within thirty days after completion of the applicable service.



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Conoco Phillips-Farmington 3401 30th Street Farmington NM, 87401	Project: Braden Head Project Name / Number: [none] Project Manager: Bill Eaves	Reported: 06/15/17 07:40
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**Hubble 3E BHD (Area 2 bradenhead sample)**

**1706023-01 (Water)**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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**General Chemistry**

Chloride*	41.7	50.0	7.17	mg/L	50	06/12/17	EPA300.0		JDA
pH*	9.61			pH Units	1	06/02/17	EPA150.1	H1	BDV
Sulfate*	2750	100	15.6	mg/L	100	06/13/17	EPA300.0		JDA
Total Dissolved Solids*	3980	10.0		mg/L	1	06/06/17	EPA160.1	Q1	LLG

Green Analytical Laboratories

*Dede Zupelt*

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Conoco Phillips-Farmington	Project: Braden Head	
3401 30th Street	Project Name / Number: [none]	Reported:
Farmington NM, 87401	Project Manager: Bill Eaves	06/15/17 07:40

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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*Debbie Zufelt*

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

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

Reported:  
06/15/17 07:40

### Notes and Definitions

Q1	Sample received outside of acceptable temperature range for analyses requiring cold storage.
H1	Sample was received several days after collected and subsequently analyzed past hold time.
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) 860-5425	Contact: Bill Eaves
Address: 3401 E. 30th St. Farmington, NM 87402	E-Mail Address: <a href="mailto:Bill.Eaves@conocPhillips.com">Bill.Eaves@conocPhillips.com</a>	



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CHAIN OF CUSTODY RECORD
GAL Work Order # <u>1706-023-01 JE 6-2</u>
PO#
Project Name:

**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

24.2c  
NO: 4 u

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	Bradenhead
Hubble 3E BHD (Area 2 bradenhead sample)	5/31/2017	10:25am	MSO	20	4	1	N	X						X
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3.														
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20.														

Relinquished by:	Date:	Time:	Received By:	Date:	Time:
<i>[Signature]</i>	6.1.17	4:10	<i>[Signature]</i>	6/1/17	1610
<i>[Signature]</i>	6/1/17	1655	Kangaroo Express	6/1/17	1658