



75 Suttle Street  
Durango, CO 81303  
970.247.4220 Phone  
970.247.4227 Fax  
[www.greenanalytical.com](http://www.greenanalytical.com)

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 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



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: 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	Water	09/14/15 12:20	09/14/15 15:45
WHAN JONES #1	API - 30-045-05660	Water	09/14/15 13:05	09/14/15 15:45
HUN-NOP-PI #1	API - 30-045-05761	Water	09/14/15 13:36	09/14/15 15:45

Green Analytical Laboratories

*Debbie Zufelt*

Debbie Zufelt, Reports Manager

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.



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
--	--	-----------------------------

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

**1509154-01 (Water)**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
<b>General Chemistry</b>									
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
<b>General Chemistry</b>									
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
<b>General Chemistry</b>									
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

Green Analytical Laboratories

*Debbie Zufelt*

Debbie Zufelt, Reports Manager

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.



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
--	--	-----------------------------

**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

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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.

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 #	1509-154
PO#	
Project Name:	Area #21

23.1c  
Noice  
1cc  
noice,  
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 - <u>Brader Head</u>
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		Collected By: (Init.)	Sample Location	Sample Type	No. of Containers	Preservative				Analyses Required			
	Date	Time					Filtered: Y/N	Unpreserved	H2SO4	Other:	Iron and Manganese	Phosphate	Full Water API	Brader Head Water Analysis
1. GE-ELE-GU-LITH-EZ	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-PF #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
<i>[Signature]</i>	9/14/15	16:55	Kangaroo	9/14/15	16:55
			Kangaroo	9-15-15	930
			Michael Valentine		

