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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 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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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-PI #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

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.



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
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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
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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
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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	

GAL
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Analytical
Laboratories

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CHAIN OF CUSTODY RECORD

GAL Work Order # 1509-154

PO#

Project Name: Area #21

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Noice
1cc
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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 - 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-PF #1	11	13:36	DS	21	4	1	N	Y						X
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Relinquished by:	Date:	Time:	Received By:	Date:	Time:
<u>Darrell Savage</u>	9-14-15	15:45	<u>Michael Valentini</u>	9/14/15	1545
<u>Christie Clark</u>	9/14/15	16:55	<u>Kangaroo</u>	9/14/15	16:55
			<u>Kangaroo</u>	9-15-15	930

[illegible]