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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
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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

Debbie Zufelt, Reports Manager

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SEP 30 2015



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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

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

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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 - Brader 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

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	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						XX
3. HUN-KOP-PI #1	11	13:36	DS	21	4	1	N	Y						XX
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Relinquished by: Darrell Savage Date: 9-14-15 Time: 15:45 Received By: Chris Clark Date: 9/14/15 Time: 1545
Chris Clark 9/14/15 16:55 Kangaroo Sp. 9/14/15 16:55
Kangaroo 915-15 930 Michael Valentine

