

Sharp 2A

API # 30-045-23815



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Durango, CO 81303
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28 August 2015

OIL CONS. DIV DIST. 3

SEP 03 2015

Kevin Fredrickson
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 08/11/15 15:45.
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



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

Project: Braden Head
Project Name / Number: [none]
Project Manager: Kevin Fredrickson

Reported:
08/28/15 11:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Sharp #2A	1508170-01	Water	08/06/15 09:00	08/11/15 15:45
Riddle G#3	1508170-02	Water	08/06/15 09:00	08/11/15 15:45

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Sharp #2A

1508170-01 (Water)

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

Chloride*	21.0	10.0	5.00	mg/L	1	08/24/15	4500-Cl- C		LLG
pH*	11.1			pH Units	1	08/17/15	EPA150.1	H1	MAJ
Sulfate	3320	500	84.0	mg/L	50	08/27/15	4500-SO42- E		ABP
TDS*	5190	10.0		mg/L	1	08/14/15	EPA160.1	H2	ABP

Riddle G#3

1508170-02 (Water)

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

Chloride*	18.0	10.0	5.00	mg/L	1	08/24/15	4500-Cl- C		LLG
pH*	8.89			pH Units	1	08/17/15	EPA150.1	H1	MAJ
Sulfate	4070	500	84.0	mg/L	50	08/27/15	4500-SO42- E		ABP
TDS*	5110	10.0		mg/L	1	08/14/15	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

Debbie Zufelt, Reports Manager

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Project: Braden Head
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Notes and Definitions

H2 Sample analysis performed past hold time specified by the method.
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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Debbie Zufelt, Reports Manager

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1508-170

Client: COP <i>Kevin Fredrickson</i>	Phone#	Contact
Address: <i>5525 Hwy 64</i>	E-Mail Address: <i>Kevin.G.Fredrickson@CandcoPhilly</i>	



75 Suttle Street
Durango, CO 81303
Phone: 970-247-4220
FAX: 970-247-4227

CHAIN OF CUSTODY RECORD

GAL Work Order # *1508-170*

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

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	Spade
1. Sharp #2A	8-6-15	9:AM	COP	21	4		N	N						X
2. Riddle G #3	"	"	"	"	"		"	"						X
3.														
4.														
5.														
6.														
7.														
8.														
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10.														
11.														
12.														
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16.														
17.														
18.														
19.														
20.														

Relinquished by: <i>Kevin Fredrickson</i>	Date: <i>8-11-15</i> Time: <i>3:45</i>	Received By: <i>Kevin Fredrickson</i>	Date: <i>8-11-15</i> Time: <i>1545</i>
<i>Kevin Fredrickson</i>	<i>8/11/15 1655</i>	<i>Kevin Fredrickson</i>	<i>8/11/15 1655</i>

Kangaroo ~~8-12-15~~

Dublin Zupelt

20°C

Sh

Current Schematic

ConocoPhillips
Well Name: SHARP #2A

API / UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004523815	018-028N-008W-G	OTERO (CHACRA) GAS		NEW MEXICO	
Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	
5,775.00	5,787.00	12.00	5,787.00	5,787.00	

Original Hole, 9/2/2015 11:58:32 AM

