



30-039-07890

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: Formation Comparison
Project Name / Number: [none]
Project Manager: Kevin Fredrickson

Reported:
07/17/17 10:25

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
San Juan 30-6 Unit 67	1707096-01	Water	07/12/17 08:00	07/12/17 13:35

OIL CONS. DIV DIST. 3
JUL 20 2017

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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6



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San Juan 30-6 Unit 67

1707096-01 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Alkalinity, Bicarbonate as CaCO3*	284	10.0		mg/L	1	07/14/17	2320 B		LLG
Alkalinity, Carbonate as CaCO3*	<10.0	10.0		mg/L	1	07/14/17	2320 B		LLG
Chloride*	9.57	10.0	1.43	mg/L	10	07/14/17	EPA300.0		JDA
Total Dissolved Solids*	930	10.0		mg/L	1	07/14/17	EPA160.1		LLG
Sulfate*	3.66	10.0	1.56	mg/L	10	07/14/17	EPA300.0		JDA
Potentially Dissolved Metals by ICP									
Calcium*	74.4	2.00	0.717	mg/L	20	07/14/17	EPA200.7		JDA
Iron*	16.1	1.00	0.281	mg/L	20	07/14/17	EPA200.7		JDA
Magnesium*	5.66	2.00	0.513	mg/L	20	07/14/17	EPA200.7		JDA
Sodium*	119	20.0	1.74	mg/L	20	07/14/17	EPA200.7		JDA

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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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) 215-3184	Contact: Kevin Fredrickson
Address: 5525 Hwy 64, Farmington, NM 87401	E-Mail Address: Kevin.G.Fredrickson@conocophillips.com	



CHAIN OF CUSTODY RECORD	
GAL Work Order #	1707-096-01
PO#	
Project Name:	

Rush

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

29.7°C

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	Formational com
San Juan 30-6 Unit 67	7/12/2017	8:00 AM	MSO	20	4	1	N	x						x
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Relinquished by:	Date:	Time:	Received By:	Date:	Time:
<i>[Signature]</i>	7-12-17	1:35 pm	<i>[Signature]</i>	7-12-17	1335



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Durango, CO 81303
970.247.4220 Phone
970.247.4227 Fax
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17 July 2017

Kevin Fredrickson
Conoco Phillips-Farmington
3401 30th Street
Farmington, NM 87401
RE: Formation Comparison

Enclosed are the results of analyses for samples received by the laboratory on 07/12/17 13:35.
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

OIL CONS. DIV DIST. 3
JUL 20 2017

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.