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27 April 2016

Darrell Savage
Conoco Phillips-Farmington
3401 30th Street
Farmington, NM 87401
RE: Formation Comparison, API, PO4

Enclosed are the results of analyses for samples received by the laboratory on 04/14/16 15:43.
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 through the Colorado Department of Public Health and Environment and EPA region 8.

MAY 03 2016



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

Project: Formation Comparison, API, PO4
Project Name / Number: Area 9
Project Manager: Darrell Savage

Reported:
04/27/16 10:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Johnston A #13M "Intermediate Valve Sample"	1604146-01	Water	04/13/16 10:40	04/14/16 15:43
Klein #27	1604146-02	Water	04/13/16 13:50	04/14/16 15:43

Green Analytical Laboratories

A handwritten signature in black ink that reads "Debbie Zufelt". The signature is written in a cursive style with a large, prominent "D" and "Z".

Debbie Zufelt, Reports Manager

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Conoco Phillips-Farmington 3401 30th Street Farmington NM, 87401	Project: Formation Comparison, API, PO4 Project Name / Number: Area 9 Project Manager: Darrell Savage	Reported: 04/27/16 10:48
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Johnston A #13M "Intermediate Valve Sample"

1604146-01 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Alkalinity, Bicarbonate*	10500	10.0		mg/L	100	04/18/16	2320 B		KDG
Alkalinity, Carbonate*	<10.0	10.0		mg/L	1	04/18/16	2320 B		KDG
Chloride	4910	1000	51.9	mg/L	1000	04/19/16	EPA300.0		JDA
Phosphate (PO4)	20.2	0.768	0.276	mg/L	5	04/21/16	EPA365.3/Calc		LLG
Phosphorus, Total	6.60	0.250	0.0900	mg/L	5	04/21/16	EPA365.3		LLG
Total Dissolved Solids	49400	10.0		mg/L	1	04/22/16	EPA160.1		KDG
Sulfate	<61.5	1000	61.5	mg/L	1000	04/19/16	EPA300.0		JDA
Potentially Dissolved Metals by ICP									
Calcium*	22.9	2.00	0.275	mg/L	100	04/20/16	EPA200.7		JLM
Iron*	1450	5.00	0.349	mg/L	100	04/20/16	EPA200.7		JLM
Magnesium*	10.0	10.0	3.24	mg/L	100	04/20/16	EPA200.7		JLM
Sodium*	3340	100	30.5	mg/L	100	04/20/16	EPA200.7		JLM
Cation/Anion Balance	-21.86								

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Debbie Zufelt, Reports Manager

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