



30-045-06063

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: Darrell Savage

Reported:  
06/16/15 09:46

**Huerfanito 11 (Braden Head) Area 21****1506006-01 (Water)**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
---------	--------	----	-----	-------	----------	----------	--------	-------	---------

**General Chemistry**

Alkalinity, Bicarbonate*	135	10.0		mg/L	5	06/10/15	2320 B		JLM
Alkalinity, Carbonate*	190	10.0		mg/L	5	06/10/15	2320 B		JLM
Chloride*	15.0	10.0	5.00	mg/L	1	06/12/15	4500-Cl- C		LLG
TDS*	870	10.0		mg/L	1	06/05/15	EPA160.1		ABP
Sulfate	339	50.0	8.40	mg/L	5	06/04/15	4500-SO42- E		ABP

**Potentially Dissolved Metals by ICP**

Calcium*	1.04	0.200	0.028	mg/L	10	06/05/15	EPA200.7		JGS
Iron*	<0.500	0.500	0.035	mg/L	10	06/05/15	EPA200.7		JGS
Magnesium*	<1.00	1.00	0.324	mg/L	10	06/05/15	EPA200.7		JGS
Sodium*	317	10.0	3.05	mg/L	10	06/05/15	EPA200.7		JGS

Cation/Anion Balance -7.31

**OIL CONS. DIV DIST. 3****JUL 20 2015**

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.

2



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: Darrell Savage

Reported:  
06/23/15 12:49

### Huerfanito 11 (Area 21)

#### 1506070-01 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
---------	--------	----	-----	-------	----------	----------	--------	-------	---------

#### General Chemistry

Alkalinity, Bicarbonate*	400	10.0		mg/L	10	06/12/15	2320 B		JLM
Alkalinity, Carbonate*	<10.0	10.0		mg/L	10	06/12/15	2320 B		JLM
Chloride*	9300	1000	500	mg/L	100	06/16/15	4500-Cl- C		LLG
TDS*	14400	10.0		mg/L	1	06/11/15	EPA160.1		ABP
Sulfate	12.2	10.0	1.68	mg/L	1	06/19/15	4500-SO42- E		ABP

#### Potentially Dissolved Metals by ICP

Calcium*	49.8	0.200	0.028	mg/L	10	06/11/15	EPA200.7		JGS
Iron*	55.4	0.500	0.035	mg/L	10	06/11/15	EPA200.7		JGS
Magnesium*	31.7	1.00	0.324	mg/L	10	06/11/15	EPA200.7		JGS
Sodium*	5380	10.0	3.05	mg/L	10	06/11/15	EPA200.7		JGS

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.