

30-045-06063

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Conoco Phillips-Farmington	Project: Formation Comparison	
3401 30th Street	Project Name / Number: [none]	Reported:
Farmington NM, 87401	Project Manager: Darrell Savage	06/16/15 09:46

Huerfanito 11 (Braden Head) Area 21

		150	6006-01 (W	ater)					
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
DS*	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
ron*	< 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

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Debbie Zufelt, Reports Manager

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Laboratories		www.GreenAnalytical.com
Conoco Phillips-Farmington	Project: Formation Comparison	
3401 30th Street	Project Name / Number: [none]	Reported:
Farmington NM, 87401	Project Manager: Darrell Savage	06/23/15 12:49

Huerfanito 11 (Area 21)

Analyte Result RL MDL Units Dilution Analyzed Method General Chemistry Alkalinity, Bicarbonate* 400 10.0 mg/L 10 06/12/15 2320 B Alkalinity, Carbonate* 100 06/12/15 2320 B Alkalinity, Carbonate* 100 06/12/15 2320 B Alkalinity, Carbonate* 9300 10.0 mg/L 10 06/12/15 2320 B Chloride* 9300 1000 500 mg/L 100 06/16/15 4500-Cl- C TDS* 14400 10.0 mg/L 1 06/11/15 EPA160.1 Sulfate 12.2 10.0 1.68 mg/L 1 06/19/15 4500-SO42- E Potentially Dissolved Metals by ICP E E E E E A200.7 Iron* 55.4 0.500 0.035 mg/L 10 06/11/15 E A200.7					ater)	6070-01 (Wa	150		
Alkalinity, Bicarbonate* 400 10.0 mg/L 10 06/12/15 2320 B Alkalinity, Carbonate* <10.0	Notes Analyst	Method	Analyzed	Dilution	Units	MDL	RL	Result	Analyte
Alkalinity, Carbonate* <10.0 mg/L 10 06/12/15 2320 B Alkalinity, Carbonate* 9300 1000 500 mg/L 10 06/12/15 2320 B Chloride* 9300 1000 500 mg/L 100 06/16/15 4500-Cl- C TDS* 14400 10.0 mg/L 1 06/11/15 EPA160.1 Sulfate 12.2 10.0 1.68 mg/L 1 06/19/15 4500-SO42- E Potentially Dissolved Metals by ICP 49.8 0.200 0.028 mg/L 10 06/11/15 EPA200.7									General Chemistry
Chloride* 9300 1000 500 mg/L 100 06/16/15 4500-Cl- C TDS* 14400 10.0 mg/L 1 06/11/15 EPA160.1 Sulfate 12.2 10.0 1.68 mg/L 1 06/19/15 4500-SO42- E Potentially Dissolved Metals by ICP 49.8 0.200 0.028 mg/L 10 06/11/15 EPA200.7	JLM	2320 B	06/12/15	10	mg/L		10.0	400	Alkalinity, Bicarbonate*
TDS* 14400 10.0 mg/L 1 06/11/15 EPA160.1 Sulfate 12.2 10.0 1.68 mg/L 1 06/19/15 4500-SO42- E Potentially Dissolved Metals by ICP 49.8 0.200 0.028 mg/L 10 06/11/15 EPA200.7	JLM	2320 B	06/12/15	10	mg/L		10.0	<10.0	Alkalinity, Carbonate*
Sulfate 12.2 10.0 1.68 mg/L 1 06/19/15 4500-SO42- E Potentially Dissolved Metals by ICP 49.8 0.200 0.028 mg/L 10 06/11/15 EPA200.7	LLG	4500-Cl- C	06/16/15	100	mg/L	500	1000	9300	Chloride*
Potentially Dissolved Metals by ICP Calcium* 49.8 0.200 0.028 mg/L 10 06/11/15 EPA200.7	ABP	EPA160.1	06/11/15	1	mg/L		10.0	14400	TDS*
Calcium* 49.8 0.200 0.028 mg/L 10 06/11/15 EPA200.7	ABP	4500-SO42- E	06/19/15	1	mg/L	1.68	10.0	12.2	Sulfate
									Potentially Dissolved Metals by ICP
Iron* 55.4 0.500 0.035 mg/L 10 06/11/15 EPA200.7	JGS	EPA200.7	06/11/15	10	mg/L	0.028	0.200	49.8	Calcium*
	JGS	EPA200.7	06/11/15	10	mg/L	0.035	0.500	55.4	Iron*
Magnesium* 31.7 1.00 0.324 mg/L 10 06/11/15 EPA200.7	JGS	EPA200.7	06/11/15	10	mg/L	0.324	1.00	31.7	Magnesium*
Sodium* 5380 10.0 3.05 mg/L 10 06/11/15 EPA200.7	JGS	EPA200.7	06/11/15	10	mg/L	3.05	10.0	5380	Sodium*

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Debbie Zufelt, Reports Manager

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