



# Martin Water Laboratories, Inc.

Analysts & Consultants since 1953  
Bacterial & Chemical Analysis

TO: Paul Brown  
ADDRESS: 15 Smith Road, Midland, TX 79705  
COMPANY: Chevron  
LEASE: NM "O" Well #17  
FORMATION: XXXXXXXXXX  
LABORATORY NO. 0814-68 (page 2)  
SAMPLE RECEIVED: 7/25/14  
RESULTS REPORTED: 8/1/14  
COUNTY, STATE: Lea, NM  
FIELD OR POOL: Vacuum

DESCRIPTION OF SAMPLES				
No. 1	Submitted water sample - taken 7/23/14 -- #2.			
No. 2	Submitted water sample - taken 7/23/14 -- #3.			
No. 3	Submitted water sample - taken 7/23/14 -- #4.			
No. 4	Submitted water sample - taken 7/23/14 -- #5.			
Chemical and Physical Properties (milligrams per liter)	No. 1	No. 2	No. 3	No. 4
Specific Gravity @ 60°F.	1.1902	1.1880	1.1915	1.1925
pH When Received	5.60	5.70	5.70	5.20
Bicarbonate as HCO <sub>3</sub>	268	305	244	244
Total Hardness, as CaCO <sub>3</sub>	8,600	8,800	9,800	9,000
Calcium, as Ca	2,400	2,560	2,560	2,480
Magnesium, as Mg	632	583	826	680
Sodium and/or Potassium	113,574	110,852	116,721	117,153
Sulfate, as SO <sub>4</sub>	2,887	3,136	2,937	3,072
Chloride, as Cl	178,920	174,660	184,600	184,600
Iron, as Fe	494	188	615	341
Barium, as Ba	0	0	0	0
Total Dissolved Solids, Calculated	298,681	292,096	307,888	308,230
Hydrogen Sulfide	0.00	0.00	0.00	0.00
Resistivity, ohms/m @ 77°F.	0.046	0.047	0.045	0.045

(432) 683-4521 \* 709 W. Indiana, Midland, Texas 79701 \* (fax) 682-8819

Remit to Address: P.O. Box 98, Midland, Texas 79702

Email: martinwaterlabs@nts-online.net

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