



# 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: [REDACTED]

LABORATORY NO. 0814-68 (page 1)  
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 7/22/14 -- #1.			
No. 2	Submitted water sample - taken 7/22/14 -- #2.			
No. 3	Submitted water sample - taken 7/22/14 -- #3.			
No. 4	Submitted water sample - taken 7/22/14 -- #1.			
Chemical and Physical Properties (milligrams per liter)	No. 1	No. 2	No. 3	No. 4
Specific Gravity @ 60°F.	1.0630	1.1640	1.1572	1.2060
pH When Received	5.30	5.30	5.40	5.40
Bicarbonate as HCO <sub>3</sub>	98	195	0	146
Total Hardness, as CaCO <sub>3</sub>	9,600	10,200	11,200	10,000
Calcium, as Ca	2,800	2,480	2,800	2,560
Magnesium, as Mg	632	972	1,021	875
Sodium and/or Potassium	93,984	91,899	93,150	121,265
Sulfate, as SO <sub>4</sub>	3,463	3,456	3,335	3,079
Chloride, as Cl	149,100	146,260	149,100	191,700
Iron, as Fe	12	93	140	37
Barium, as Ba	0	0	0	0
Total Dissolved Solids, Calculated	250,076	245,263	249,406	319,625
Hydrogen Sulfide	0.00	0.00	0.00	0.00
Resistivity, ohms/m @ 77°F.	0.051	0.051	0.051	0.044

(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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