

P. O. BOX 1468
MONAHANS, TEXAS 79756
PH. 943-3234 OR 563-1040

Martin Water Laboratories, Inc.

709 W. INDIANA
MIDLAND, TEXAS 79701
PHONE 683-4521

RESULT OF WATER ANALYSES

291327

2-28-91

3-7-91

TO: Mr. Jim Brusenhan
P. O. Box 10487, Midland, TX 79702

LABORATORY NO.

SAMPLE RECEIVED

RESULTS REPORTED

COMPANY O'Briant Engineering

LEASE

Robert N. Enfield

FIELD OR POOL

Corbin, S.

SECTION

19

BLOCK

SURVEY

T-18 S&R-33E

COUNTY

Lea

STATE

NM

SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 Produced water - taken from Hudson Federal #3 @ 1" Bleeder. 2-26-91

NO. 2

NO. 3

NO. 4

Bone Springs

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES

	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.1190			
pH When Sampled				
pH When Received	6.95			
Bicarbonate as HCO ₃	1,293			
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	8,800			
Calcium as Ca	2,500			
Magnesium as Mg	620			
Sodium and/or Potassium	66,717			
Sulfate as SO ₄	1,509			
Chloride as Cl	107,239			
Iron as Fe	6.9			
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	179,877			
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen.				
Hydrogen Sulfide	0.0			
Resistivity, ohms/m at 77° F.	0.062			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks The above results reveal no significant change in the water from this well as compared to that recovered on 2-1-91 and reported on laboratory #29127. Therefore, we would continue to conclude that as compared to our nearby records of Bone Springs, we find a mild difference in the sulfate lease; but this evidence is not sufficient to conclude another water is involved.

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WATER ANALYSIS