

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

Martin Water Laboratories, Inc

MAY 8 1980

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

RESULT OF WATER ANALYSES

ENGINEERING

TO: Mr. Horace Burnett
P.O. Box 4815, Midland, Texas

LABORATORY NO. 58013
SAMPLE RECEIVED 5-2-80
RESULTS REPORTED 5-5-80

COMPANY Enserch Exploration LEASE Lambirth
FIELD OR POOL South Paterson
SECTION BLOCK SURVEY COUNTY Roosevelt STATE New Mexico

SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 Recovered water - taken from Lambirth #5. 4-29-80

NO. 2

NO. 3

NO. 4

Granite Wash

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES

	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.1103			
pH When Sampled				
pH When Received	5.2			
Bicarbonate as HCO ₃	5,734			
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	60,000			
Calcium as Ca	21,200			
Magnesium as Mg	1,701			
Sodium and/or Potassium	36,496			
Sulfate as SO ₄	474			
Chloride as Cl	95,140			
Iron as Fe	1,248			
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	150,745			
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen, Winkler				
Hydrogen Sulfide	0.0			
Resistivity, ohms/m at 77° F.	0.066			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks

The above results show reasonably comparable conditions to analysis #480254 (4-30-80) of water from this same well. It is apparent that there is still some spent acid influence, but it appears to be less than on this previous analysis. In light of the fact that we do not have water from this zone recorded in the area, we cannot be sure at this point as to the involvement of natural connate water.