

P. O. BOX 1488
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

TO: Mr. Joel Martin
601 N. Marienfeld, Ste 508, Midland 79701

LABORATORY NO. 701-28
SAMPLE RECEIVED 7/9/01
RESULTS REPORTED 7/11/01

COMPANY Nadel & Gussman Permian LLC LEASE As Listed
FIELD OR POOL 2) South of Malaga
SECTION BLOCK SURVEY COUNTY Eddy STATE Texas
SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1
NO. 2 Recovered water - taken from Kyle 34 Fed. #1.
NO. 3
NO. 4

REMARKS: 2) Atoka or Strawn

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 2	NO. 3	NO. 4	
Specific Gravity at 60° F.	1.0054			
pH When Sampled				
pH When Received	6.17			
Bicarbonate as HCO ₃	171			
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	1,450			
Calcium as Ca	440			
Magnesium as Mg	85			
Sodium and/or Potassium	2,061			
Sulfate as SO ₄	611			
Chloride as Cl	3,657			
Iron as Fe	70.2			
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	7,025			
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen				
Hydrogen Sulfide	0.0			
Resistivity, ohm-cm at 77° F.	0.840			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks

The water from Kyle 34 Fed. #1 shows a substantially lower level of salts than we would expect from either Atoka or Strawn based on our records in the area. Therefore, this water appears to be substantially influenced by a dilution of either fresh water or it might possibly be condensed water vapor if this is a gas well. Contact us if we can be of any further assistance in this matter.

By

Waylan C. Martin, M.A.