

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

TO: Mr. Joe Clements
P.O. Box 515, Lovington, NM 88260

LABORATORY NO.	894146
SAMPLE RECEIVED	8-16-94
RESULTS REPORTED	8-23-94

COMPANY Great Western Drilling Company LEASE As listed

FIELD OR POOL _____
SECTION _____ BLOCK _____ SURVEY _____ COUNTY Lea STATE NM

SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 Raw water - taken @ Bar 4 Dairy (8/10 mile west of carter battery).
 NO. 2 Raw water - taken @ John Offutt home (8/10 mile north of carter battery).
 NO. 3 Raw water - taken from ranch windmill (8/10 mile south of McQuien battery).
 NO. 4 _____

REMARKS: Samples taken 8-16-94 by Tom Elrod, Martin Water Laboratories, Inc.

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0018	1.0020	1.0018	
pH When Sampled				
pH When Received	7.24	7.28	7.27	
Bicarbonate as HCO ₃	205	205	176	
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	256	312	212	
Calcium as Ca	70	85	58	
Magnesium as Mg	19	24	17	
Sodium and/or Potassium	50	45	99	
Sulfate as SO ₄	105	102	104	
Chloride as Cl	62	97	125	
Iron as Fe	0.04	0.04	0.04	
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	513	558	578	
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen,				
Hydrogen Sulfide	0.0	0.0	0.0	
Resistivity, ohms/m at 77° F.	15.46	13.10	12.32	
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Nitrate, as N	1.8	2.1	1.1	

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks The undersigned certifies the above to be true and correct to the best of his knowledge and belief.