

Martin Water Laboratories, Inc.

P O BOX 1468
MCNAHANS, TEXAS 79756
PH 943 3234 OR 563 1040

709 W INDIANA
MIDLAND, TEXAS 79701
PHONE 683 4521

RESULT OF WATER ANALYSES

TO Mr. Jim Orseth LABORATORY NO. 129393
303 West Wall, Suite 2200, Midland, TX 79701 SAMPLE RECEIVED 12-13-93
RESULTS REPORTED 12-16-93

COMPANY Collins & Ware, Inc. LEASE Sheep Draw Federal Com.
FIELD OR POOL Happy Valley
SECTION BLOCK SURVEY COUNTY Eddy STATE NM


SOURCE OF SAMPLE AND DATE TAKEN:
NO. 1 Produced water - taken from Sheep Draw Fed. Com. #3.
NO. 2
NO. 3
NO. 4

REMARKS: Happy Valley, IDE, Indian Draw, Bell Canyon

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F	1.0883			
pH When Sampled				
pH When Received	6.48			
Bicarbonate as HCO ₃	531			
Supersaturation as CaCO ₃	--			
Undersaturation as CaCO ₃	5			
Total Hardness as CaCO ₃	7,600			
Calcium as Ca	1,860			
Magnesium as Mg	717			
Sodium and/or Potassium	43,864			
Sulfate as SO ₄	6,144			
Chloride as Cl	68,178			
Iron as Fe	3.6			
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	121,294			
Temperature °F				
Carbon Dioxide, Calculated	350			
Dissolved Oxygen				
Hydrogen Sulfide	132			
Resistivity, ohm/cm at 77° F	0.082			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Calcium Carbonate Scaling Tendency	None			
Calcium Sulfate Scaling Tendency	None			

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks Letter of recommendation attached.

By 
Waylan C. Martin, M.A.