

RESULT OF WATER ANALYSES

TO: Bell, Foy & Middlebrook LABORATORY NO. 588199
310 West Texas, Suite 210, Midland, TX SAMPLE RECEIVED 5-23-88
 RESULTS REPORTED 5-24-88

COMPANY Bell, Foy & Middlebrook LEASE Culp Ranch Unit
 FIELD OR POOL Graham Springs
 SECTION 11 BLOCK _____ SURVEY T-12S & R-30E COUNTY Chaves STATE NM

SOURCE OF SAMPLE AND DATE TAKEN:

- NO. 1 Ogallala water - taken from windmill 1/2 mile north of Culp Ranch Unit #1. 5-21-88
 NO. 2 Ogallala water - taken from windmill 3/4 mile northwest of Culp Ranch Unit #1. 5-21-88
 NO. 3 _____
 NO. 4 _____

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES

	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0020	1.0028		
pH When Sampled				
pH When Received	7.36	9.77		
Bicarbonate as HCO ₃	173	83		
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	168	95		
Calcium as Ca	48	27		
Magnesium as Mg	11	7		
Sodium and/or Potassium	6	87		
Sulfate as SO ₄	25	113		
Chloride as Cl	9	21		
Iron as Fe	0.48	0.24		
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	273	378		
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen, Winkler				
Hydrogen Sulfide	0.0	0.0		
Resistivity, ohms/m at 77° F.	34.00	18.00		
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Carbonate, as CO₃	0	41		

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.

By Waylan C. Martin, M.A.

cc: Mr. Robert Setzler, Midland