Analytical Laboratory

MEWBOURNE OIL COMPANY Federal E-12 Lea county, new Mexico DL-2151	BONE : GUARA	25, 1986 SPRINGS FORMATION CHO FIELD TTED BY: CECHEM (CHEMICALS
DISSOLVED SOLIDS CATIONS SODIUM, Na (calc.) CALCIUM, Ca MAGNESIUM, Mg	MG/L 62268 2607 1215	ME/L 2707 130 100	
ANIONS CHLORIDE, C1 SULFATE, SO4 CARBONATE, CO3 BICARBONATE, HCO3	102240 2160 0 561	2983 45 0 9	
TOTAL DISSOLVED SOLIDS (calc.) 			
IRON, Fe (total) SULFIDE, as H2S NONE (21 DETECTED		
OTHER PROPERTIES			
pH SPECIFIC GRAVITY, 60/60 F. RESISTIVITY (ohm-meters) 80 P			
HARDNESS, mg/L CACO3	.06 11512		

REMARKS: .

The Stiff-Davis equation indicates that the water has a Stability Index of 1.6 at 80 F. A positive index indicates a tendency toward calcium carbonate deposition.

The calculated solubility of calcium sulfate in this water is 77 me/L at 80 F. Analysis indicates the water contains 45 me/L, therefore calcium sulfate deposition is not indicated.

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