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 VISCO Water Analysis

Prepared for CHAVEROO  
 HOBBS, N.M.

DON BAMERT  
 NALCO Chemical Company  
 4-Nov-85

Well Number : R. D. LEE / HOME  
 Water Source :

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 DISSOLVED SOLIDS

Cations	mg/l	meq/l		mg/l
=====	=====	=====		=====
Sodium Na+			as NaCl	
Calcium Ca++	480.00	24.00	as CaCO3	1,200.00
Magnesium Mg++	194.40	16.00	as CaCO3	800.00
Barium Ba++			as CaCO3	
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Total Cations	674.40	40.00		

Anions	mg/l	meq/l		mg/l
=====	=====	=====		=====
Chloride Cl-	637.35	17.97	as NaCl	1,050.00
Sulfate SO4=	507.00	10.55	as Na2SO4	750.00
Carbonate CO3=			as CaCO3	
Bicarb. HCO3-	36.60	0.60	as CaCO3	30.00
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Total Anions	1,180.95	29.12		

Total Solids 1,855.35

Total Iron, Fe as Fe  
 Acid to Phen, CO2 as CaCO3

SCALING INDICES

Temp	CaCO3	CaSO4	BaSO4
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50 F	-0.31	-20.97	
77 F	-0.05		
95 F	+0.12	-40.42	
122 F	+0.41	-34.57	
149 F	+0.72		
176 F	+1.04	-28.66	
203 F	+1.38		

Positive values indicate scaling is likely.  
 Scaling Indices calculated using ASTM standard practices.

OTHER PROPERTIES

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pH	7.40
Specific Gravity	1.00
Turbidity	
Oxygen, as O2 ppm	
Sulfide as H2S ppm	
Temperature F	70.00

BEFORE TREATNER STOOGER  
 OIL POLLUTION DIVISION

*Chaveroo* EXHIBIT NO. 12

CASE NO. 8761