

Analysis

Prepared for CHAVEROO
HOBBS, N.M.

DON BAMERT
NALCO Chemical Company
4-Nov-85

Well Number : R.D. LEE
Water Source : IRRIGATION WELL

DISSOLVED SOLIDS

Cations		mg/l	meq/l		mg/l
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Sodium	Na+	70.81	3.08	as NaCl	
Calcium	Ca++	840.00	42.00	as CaCO3	2,100.00
Magnesium	Mg++	24.30	2.00	as CaCO3	100.00
Barium	Ba++			as CaCO3	
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Total Cations		935.11	47.08		

Anions		mg/l	meq/l		mg/l
=====		=====	=====		=====
Chloride	Cl-	1,092.60	30.81	as NaCl	1,800.00
Sulfate	SO4=	743.60	15.47	as Na2SO4	1,100.00
Carbonate	CO3=			as CaCO3	
Bicarb.	HCO3-	48.80	0.80	as CaCO3	40.00
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Total Anions		1,885.00	47.08		

Total Solids 2,820.11

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

SCALING INDICES

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Temp	CaCO3	CaSO4	BaSO4

50 F	+0.08	-8.50	
77 F	+0.34		
95 F	+0.53	-16.74	
122 F	+0.82	-14.29	
149 F	+1.14		
176 F	+1.47	+16.17	
203 F	+1.83		

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

OTHER PROPERTIES

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pH	7.50
Specific Gravity	1.00
Turbidity	
Oxygen, as O2 ppm	
Sulfide as H2Sppm	
Temperature F	70.00

BEFORE EXAMINER STOGNER CHEMICAL ANALYSIS CHAVEROO REPORT NO. 11 ANAL. NO. 8761
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