

T. 26 N. 16 W. Sec. 4

 V. JO Water Analysis

Prepared for STERLING DRILLING
 TROUSDALE, KS

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 NALCO Chemical Company
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Well Number : MAYHEW A-3-4
 Water Source : WELLHEAD

DISSOLVED SOLIDS
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Cations		mg/l	meq/l		mg/l
=====		=====	=====		=====
Sodium	Na+	49,325.91	2,144.60	as NaCl	
Calcium	Ca++	12,000.00	600.00	as CaCO3	30,000.00
Magnesium	Mg++	2,284.20	187.99	as CaCO3	9,400.00
Barium	Ba++			as CaCO3	
Total Cations		63,610.12	2,932.59		

Anions		mg/l	meq/l		mg/l
=====		=====	=====		=====
Chloride	Cl-	103,190.00	2,909.96	as NaCl	170,000.00
Sulfate	SO4=	338.00	7.03	as Na2SO4	500.00
Carbonate	CO3=			as CaCO3	
Bicarb.	HCO3-	951.60	15.61	as CaCO3	780.00
Total Anions		104,479.60	2,932.59		

Total Solids 168,089.72

Total Iron, Fe as Fe
 Acid to Phen, CO2 167.20 as CaCO3 380.00

SCALING INDICES
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Temp	CaCO3	CaSO4	BaSO4
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50 F	+0.19	-12.88	
77 F	+0.42		
95 F	+0.63	-13.11	
122 F	+1.01	-12.59	
149 F	+1.47		
176 F	+2.03	-12.17	
203 F	+2.67		

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

OTHER PROPERTIES
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pH 6.00
 Specific Gravity 1.14
 Turbidity
 Oxygen, as O2 ppm