

T. 26 N. 16 W Sec. 4

NALCO Water Analysis

Prepared for STERLING DRILLING COMPANY
TROUSDALE, KS

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NALCO Chemical Company
8-Jan-86

Well Number : MAYHEW A-8-4
Water Source : WELLHEAD

DISSOLVED SOLIDS
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Cations		mg/l	meq/l		mg/l
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Sodium	Na+	49,662.31	2,159.23	as NaCl	
Calcium	Ca++	14,480.00	724.00	as CaCO3	36,200.00
Magnesium	Mg++	1,020.60	84.00	as CaCO3	4,200.00
Barium	Ba++			as CaCO3	
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Total Cations		65,162.91	2,967.23		

Anions		mg/l	meq/l		mg/l
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Chloride	Cl-	105,011.00	2,961.31	as NaCl	173,000.00
Sulfate	SO4=	169.00	3.52	as Na2SO4	250.00
Carbonate	CO3=			as CaCO3	
B .rb.	HCO3-	146.40	2.40	as CaCO3	120.00
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Total Anions		105,326.40	2,967.23		

Total Solids 170,489.31

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		-13.54	
77 F			
95 F		-13.73	
122 F		-13.29	
149 F			
176 F		-12.96	
203 F			

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

O' R PROPERTIES
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pH
Specific Gravity 1.14
Turbidity
Oxygen, as O2 ppm
Sulfide as H2Sppm