

TRETOLITE DIVISION

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WATER ANALYSIS REPORT

 Reply to:
 P.O. Box 60180
 Midland, TX 79711-0180

Company : BABER WELL SERVICE Date : 12-10-93
 Address : HOBBS, NEW MEXICO Date Sampled : 12-8-93
 Lease : GILA DEEP Analysis No. : 3816
 Well : #4
 Sample Pt. : WATER TANK

ANALYSIS		mg/L	* meq/L
1.	pH	5.2	
2.	H2S	NEG.	
3.	Specific Gravity	1.035	
4.	Total Dissolved Solids	55668.0	
5.	Suspended Solids		
6.	Dissolved Oxygen		
7.	Dissolved CO2		
8.	Oil In Water		
9.	Phenolphthalein Alkalinity (CaCO3)		
10.	Methyl Orange Alkalinity (CaCO3)	83.0	
11.	Bicarbonate	HCO3 101.3	HCO3 1.7
12.	Chloride	Cl 34109.5	Cl 962.2
13.	Sulfate	SO4 120.0	SO4 2.5
14.	Calcium	Ca 3230.4	Ca 161.2
15.	Magnesium	Mg 661.2	Mg 54.4
16.	Sodium (calculated)	Na 17259.6	Na 750.7
17.	Iron	Fe 186.0	
18.	Barium	Ba Not Run	
19.	Strontium	Sr Not Run	
20.	Total Hardness (CaCO3)	10789.7	

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound	Equiv wt X meq/L	= mg/L
161 *Ca <----- *HCO3	Ca(HCO3)2	81.0 1.7	135
/----->	CaSO4	68.1 2.5	170
54 *Mg -----> *SO4	CaCl2	55.5 157.0	8714
<-----/	Mg(HCO3)2	73.2	
751 *Na -----> *Cl	MgSO4	60.2	
	MgCl2	47.6 54.4	2590
Saturation Values Dist. Water 20 C	NaHCO3	84.0	
CaCO3 13 mg/L	Na2SO4	71.0	
CaSO4 * 2H2O 2090 mg/L	NaCl	58.4 750.7	43873
BaSO4 2.4 mg/L			

REMARKS: SWEATT - BENNETT - FILE

JAN 1 1994