

TRETOLITE



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WATER ANALYSIS REPORT

Company : CONOCO INC.
Address : HOBBS, NM
Lease : VAUGHN B-1
Well : #7
Sample Pt. : WELLHEAD

Date : 2/14/94
Date Sampled : 2/11/94
Analysis No. : 1131

ANALYSIS		mg/L	* meq/L	
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1.	pH	5.8		
2.	H2S	240 PPM		
3.	Specific Gravity	1.015		
4.	Total Dissolved Solids			
5.	Suspended Solids	40338.5		
6.	Dissolved Oxygen	NR		
7.	Dissolved CO2	NR		
8.	Oil In Water	0 PPM		
9.	Phenolphthalein Alkalinity (CaCO3)	NR		
10.	Methyl Orange Alkalinity (CaCO3)	1105.0		
11.	Bicarbonate	HCO3 1348.1	HCO3	22.1
12.	Chloride	Cl 21852.1	Cl	616.4
13.	Sulfate	SO4 2100.0	SO4	43.7
14.	Calcium	Ca 2805.6	Ca	140.0
15.	Magnesium	Mg 262.5	Mg	21.6
16.	Sodium (calculated)	Na 11969.7	Na	520.6
17.	Iron	Fe 0.5		
18.	Barium	Ba NR		
19.	Strontium	Sr NR		
20.	Total Hardness (CaCO3)	8087.3		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter		Compound Equiv wt X meq/L = mg/L			
+-----+		+-----+			
140	*Ca <----- *HCO3	22	Ca(HCO3)2	81.0	1791
	/----->		CaSO4	68.1	2976
22	*Mg -----> *SO4	44	CaCl2	55.5	4116
	<-----/		Mg(HCO3)2	73.2	
521	*Na -----> *Cl	616	MgSO4	60.2	
			MgCl2	47.6	1028
Saturation Values Dist. Water 20 C			NaHCO3	84.0	
CaCO3	13 mg/L		Na2SO4	71.0	
CaSO4 * 2H2O	2090 mg/L		NaCl	58.4	30427
BaSO4	2.4 mg/L				

REMARKS:

----- G. ARCHER / FILE

Petrolite Oilfield Chemicals Group

Respectfully submitted,
G. ARCHER

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