

TRETOLITE DIVISION

Petrolite Corporation
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WATER ANALYSIS REPORT

Company : AMOCO PRODUCTION CO.
Address : DENNIS, NEW MEXICO
Lease : ARCO "B"
Well :
Sample Pt. :

Date : 8-4-94
Date Sampled : 7-27-94
Analysis No. : 2022

ANALYSIS	mg/L	meq/L
1. pH	8.3	
2. H2S	NDL	
3. Specific Gravity	1.001	
4. Total Dissolved Solids	119129.7	
5. Suspended Solids		
6. Dissolved Oxygen		
7. Dissolved CO2		
8. Oil In Water		
9. Phenolphthalein Alkalinity (CaCO3)		
10. Methyl Orange Alkalinity (CaCO3)		
11. Bicarbonate	1.0	0.0
12. Chloride	73000.0	2059.2
13. Sulfate	688.0	14.2
14. Calcium	5699.0	284.9
15. Magnesium	1786.0	146.9
16. Sodium (calculated)	37755.7	1642.3
17. Iron	2.0	
18. Barium	8.0	
19. Strontium	196.0	
20. Total Hardness (CaCO3)	21606.0	

PERMANENT MINERAL COMPOSITION

Milli equivalents per Liter

284	Ca	CaCO3	0
147	Mg	MgCO3	14
1642	Na	NaCl	2090

Saturation Values Dist. Water 20 C

CaCO3	13 mg/L
CaSO4 = 2020	2020 mg/L
NaSO4	2.4 mg/L

Compound	Eqiv wt X meq/L	= mg/L
Ca(MGCO3)2	41.0	5.8
CaSO4	68.1	14.2
CaCl2	25.2	276.0
Mg(MGCO3)2	73.2	
MgSO4	50.2	
MgCl2	47.6	146.9
NaHCO3	84.0	
Na2SO4	71.0	
NaCl	58.4	1642.3
		95974

REMARKS: WHITE - MINERAL - FINE

Petrolite Oilfield Chemicals Group

Respectfully submitted,
JVS GRIFF