



TRETOLITE DIVISION

200 South Puente Street / Brea, California 92621

WATER ANALYSIS REPORT

SAMPLE

Company Tenneco Oil Company

Sample Test No. 24

Sample Date 11-13-70

Address Suite 1200 Lincoln Tower Building

Submitted by Stan Jones

Sample Taken from S.F.P.R.R. #4

Field Hosbah

Produced Sample-Res. 8.5 ohms @ 55F. & 4.9 ohms @ 100 F.

ANALYSIS

Duke

1. pH 8.6
2. Hydrogen Sulfide 500M
3. Specific Gravity 1.000
4. Temperature 72 °F
5. Phenolphthalein Alkalinity (as CaCO₃) -0-
6. Methyl Orange Alkalinity (as CaCO₃) 440
7. Bicarbonate (as HCO₃) 546
8. Sulfate (as SO₄) 0
9. Chloride (as Cl) 134
10. Calcium (as Ca) 18
11. Magnesium (as Mg) 24
12. Total Hardness (as CaCO₃) 142
13. Total Iron (as Fe) -0-
14. Barium -0-
15. Dissolved solids
16. Suspended Solids
- 17.

Mg/L Equiv. Wt. * Meq/L

-0-				
440				
546	+ 61	=	9	HCO ₃
0	+ 48	=	0	SO ₄
134	+ 35.5	=	4	Cl
18	+ 20	=	1	Ca
24	+ 12.2	=	2	Mg
142				
-0-				
-0-				

* Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

* Meq Cations		* Meq Anions		Compound	Equiv. Wt.	X *Meq/L	= Mg/L
1	Ca	9	HCO ₃	Ca(HCO ₃) ₂	81.04	1	81
2	Mg	0	SO ₄	CaSO ₄	68.07		
10	Na	4	Cl	CaCl	55.50		
Saturation Values in Distilled Waters at 20 °C				Mg(HCO ₃) ₂	73.17	2	146
CaCO ₃	13 Mg/l			MgSO ₄	60.19		
CaSO ₄ ·2H ₂ O	2,090 Mg/l			MgCl ₂	47.62		
MgCO ₃	103 Mg/l			NaHCO ₃	84.00	6	504
				Na ₂ SO ₄	71.03		
				NaCl	58.46	4	234

REMARKS

cc: Schnorr

Respectfully Submitted

11-13-70
Date