

TRETOLITE DIVISION

369 Marshall Avenue / Saint Louis, Missouri
(314) WO 1-3500/TWX 910-760-4500/Telex 44-2417

WATER ANALYSIS REPORT

COMPANY J.K. Huber Corp. ADDRESS Midland, Texas DATE 7-12-69

SOURCE Stokum Fed. Well #1 DATE SAMPLED 6-28-69 ANALYSIS NO. 3132

Analysis Mg/L *Meq/L

1. Ph	<u>7.7</u>				
2. H ₂ S (Qualitative)	<u>Pos.</u>				
3. Specific Gravity	<u>1.016</u>				
4. Dissolved Solids		<u>20,300</u>			
5. Suspended Solids					
6. Phenol Alkalinity (CaCO ₃)					
7. M. O. Alkalinity (CaCO ₃)		<u>610</u>			
8. Bicarbonate (HCO ₃)		<u>1,170</u>	<u>+61</u>	<u>10</u>	HCO ₃ ⁻
9. Chlorides (Cl)		<u>1,500</u>	<u>+35.5</u>	<u>63</u>	Cl
10. Sulfates (SO ₄)		<u>3,000</u>	<u>+48</u>	<u>63</u>	SO ₄
11. Calcium (Ca)		<u>1,600</u>	<u>+20</u>	<u>76</u>	Ca
12. Magnesium (Mg)		<u>1,000</u>	<u>+12.2</u>	<u>33</u>	Mg
13. Total Hardness (CaCO ₃)		<u>2,600</u>			
14. Total Iron (Fe)		<u>2.0 ppm</u>			
15. Barium (Qualitative)					
16.					

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

				Compound	Equiv. Wt.	X	Meq/L	=	Mg/L
76	Ca	←	HCO ₃	10					
35	Mg	←	SO ₄	63					
315	Na	←	Cl	395					
				Ca (HCO ₃) ₂	81.04	10			1,170
				Ca SO ₄	68.07	63			4,290
				Ca Cl ₂	55.50				
				Mg (HCO ₃) ₂	73.17				
				Mg SO ₄	60.19	33			200
				Mg Cl ₂	47.50	33			3,000
				Na HCO ₃	69.00				
				Na ₂ SO ₄	71.00				
				Na Cl	58.46	315			18,700

Saturation Values Distilled Water 20°C

Ca CO₃ 13 Mg/L

Ca SO₄ • 2H₂O 2,090 Mg/L

Mg CO₃ 103 Mg/L

REMARKS (1) Mr. J.K. Huber - Vaughn Bldg. 11th Floor, Dallas

CC: Parker - Merchants - file

Respectfully Submitted
TRETOLITE COMPANY

Per: Lab Director