



TRETOLITE DIVISION

388 Marshall Avenue / Saint Louis, Missouri 63118
(314) WO 1-3500/TWX 910-780-1660/Telex 44-2417

WATER ANALYSIS REPORT

COMPANY General American Oil Co. ADDRESS Loco Hills N M DATE: 7-7-76

SOURCE Green A #10 DATE SAMPLED 6-21-76 ANALYSIS NO. 11752
Analysis Mg/L *Meq/L

1. PH 7.0
 2. H₂S (Qualitative) neg.
 3. Specific Gravity 1.060
 4. Dissolved Solids 68,371
 5. Suspended Solids
 6. Phenolphthalein Alkalinity (CaCO₃)
 7. Methyl Orange Alkalinity (CaCO₃) 120
 8. Bicarbonate (HCO₃) 146 ÷ 61 2.4 HCO₃
 9. Chlorides (Cl) 41,600 ÷ 35.5 1,172 Cl
 10. Sulfates (SO₄) 3,000 ÷ 48 63 SO₄
 11. Calcium (Ca) 3,920 ÷ 20 196 Ca
 12. Magnesium (Mg) 1,750 ÷ 12.2 143 Mg
 13. Total Hardness (CaCO₃) 17,000
 14. Total Iron (Fe) 2.0 ppm
 15. Barium (Qualitative)
 16.
- *Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

Compound	Equiv. Wt.	X	Meq/L	=	Mg/L
Ca (HCO ₃) ₂	81.04		<u>2.4</u>		<u>194</u>
Ca SO ₄	68.07		<u>23</u>		<u>1,566</u>
Ca Cl ₂	55.50		<u>131</u>		<u>7,271</u>
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62		<u>143</u>		<u>6,807</u>
Na HCO ₃	84.00				
Na ₂ SO ₄	71.03				
Na Cl	58.46		<u>898</u>		<u>52,533</u>

Saturation Values	Distilled Water 20°C
Ca CO ₃	13 Mg/L
Ca SO ₄ • 2H ₂ O	2,090 Mg/L
Mg CO ₃	103 Mg/L

REMARKS

Hawkins - Grown

cc Salzman - Roberts - Nix - File

Respectfully submitted
TRETOLITE COMPANY