



BRAKESOL INC.  
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OIL FIELD CHEMICALS

## LAB REPORT OF WATER ANALYSIS

Oil Company Southland Royalty Co.  
Midland, Texas  
Sample Marked Farrar A#1 Lease  
South Lane Field #1

Sampling Date — 3/1/66  
Date Sample Rec'd — 3/4/66  
Temp. When Taken — NI °F

### A. MINERAL ANALYSIS # M-1113

*in parts per million.*

Dissolved Solids — 56,000  
Total Alkalinity (as CaCO<sub>3</sub>) — 180  
Total Iron (as Fe) — 2.6  
SULFATE (as Na<sub>2</sub>SO<sub>4</sub>) — 443

CO<sub>2</sub> (calc.) — 12.6  
pH — 7.72  
Appearance — Clear  
Chlorides (as NaCl) — 25,000

Comments:

### B. MICROBIAL ACTIVITY # B-633

*in organisms per ml of sample.*

Slime Forming Bacteria  
Non-Sporeforming  
Flavobacterium —  
Mucoids —  
Aerobacter —  
Pseudomonas — Present  
Sporeforming None  
B. subtilis —  
B. cereus —

Corrosive Bacteria — 12/ml  
Desulfovibrio — Present  
Clostridium —  
Iron Depositing Bacteria None  
Other Bacteria —  
Total Count — 1,000

Comments:

The above results are based on initial microbial studies. Samples will be retained for subsequent evaluations, and if substantial changes are noted, a supplemental report will be submitted.