



Halliburton SERVICES
 WICHITA DIVISION LABORATORY
 P. O. Box 82
 Emporia, Texas 79067-0082
 (806) 665-0065

b. No. **WA 1462 PA0887**

Date **September 21, 1987**

Date Recd. **September 19, 1987**

To: **Ross Carbonics**

P. O. Box 117

Mosquero, New Mexico 87733

SUBMITTED BY **Agust Hyaoz**

WELL NO **Hayoz #5**

DEPTH _____ FT. FORMATION _____ LOCATION _____

THE SAMPLE CONTAINED

WATER 99 % by Vol.
 OIL 0 % by Vol.
 SOLIDS 1 % by Vol.

ANALYSIS OF THE OIL

BS&W _____ % by Vol.
 API Gravity _____ @ 60°F
 Paraffin _____ % by Wt.
 Asphaltines _____ % by Wt.
 Cloud Point _____
 Pour Point _____

ANALYSIS OF THE SOLIDS

Calcium Carbonate, Trace Iron oxide

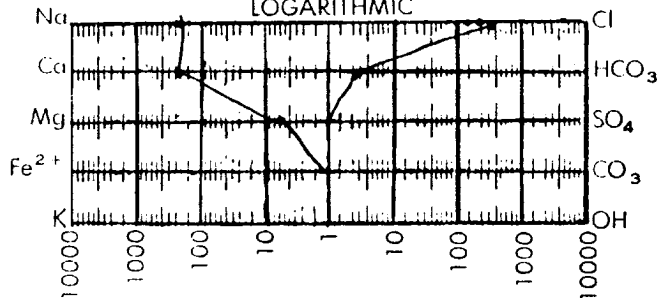
ANALYSIS OF THE WATER

Sodium Na (Calc.) 6,800 MPL*
 Calcium Ca 4,100 MPL
 Magnesium Mg 900 MPL
 Barium Ba ND MPL
 Soluble Iron Fe²⁺ 0 MPL
 Potassium K 0 MPL
 Chlorides Cl 20,400 MPL
 Bicarbonates HCO₃ 300 MPL
 Carbonates CO₃ 0 MPL
 Hydroxides OH 0 MPL
 Sulfates SO₄ 0 MPL
 Nitrates NO₃ ND MPL
 Iodides I Negative ***

OTHER PROPERTIES

pH 6.8
 Specific Gravity 1.037
 Insoluble Iron Fe³⁺ ND MPL
 TDS (Calc.) 32,600 MPL
 Resistivity (ohm-meters) 0.237 @ 74°F

WATER PATTERNS Me/L LOGARITHMIC



Respectfully submitted,

**HALLIBURTON SERVICES, A DIVISION OF
 HALLIBURTON COMPANY**

By *Karl M. Jones*

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