



Halliburton SERVICES
WICHITA DIVISION LABORATORY
P. O. Box 82
Empire, 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.
Asphaltenes _____ % by Wt.
Cloud Point _____
Pour Point _____

ANALYSIS OF THE SOLIDS

Calcium Carbonate, Trace Iron oxide

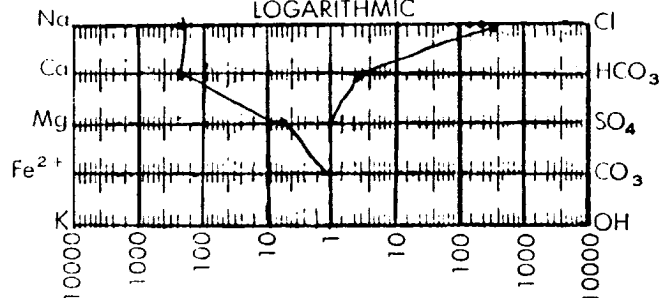
ANALYSIS OF THE WATER

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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