



WICHITA DIVISION LABORATORY
P. O. Box 82
Pampa, Texas 79066-0082
(806) 665-0005

No. WA 1

1087

Date October 1987

Date rec. October 5, 1987

This report is the property of Halliburton Services and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may, however, be used in the course of regular business operation by any person or concern and employees thereof receiving such report from Halliburton Services.

To: Ross Carbonics

% Halliburton Services

Dumas, Texas

SUBMITTED BY August Hayoz 505 673-2230 WELL NO. Hayoz Lease Hunt Water Well

DEPTH _____ FT. FORMATION _____ LOCATION _____

THE SAMPLE CONTAINED

WATER _____ 100 % by Vol.

OIL _____ 0 % by Vol.

SOLIDS _____ 0 % 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

ANALYSIS OF THE WATER

Sodium Na (Calc.) 4,600 MPL*

Calcium Ca 0 MPL

Magnesium Mg 0 MPL

Barium Ba ND MPL

Soluble Iron Fe²⁺ 0 MPL

Potassium K 0 MPL

Chlorides Cl 6,000 MPL

Bicarbonates HCO₃ 450 MPL

Carbonates CO₃ 0 MPL

Hydroxides OH 0 MPL

Sulfates SO₄ 1,400 MPL

Nitrates NO₃ ND MPL

Iodides I Negative ***

OTHER PROPERTIES

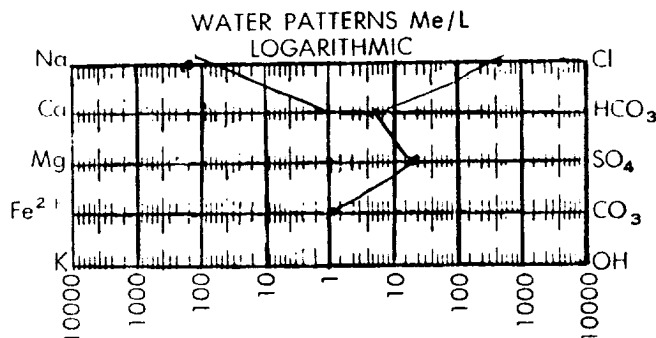
pH 6.9

Specific Gravity 1.007

Insoluble Iron Fe³⁺ ND MPL

TDS (Calc.) 12,500 MPL

Resistivity (ohm-meters) 2.33 @ 74°F



Respectfully submitted,

HALLIBURTON SERVICES, A DIVISION OF
HALLIBURTON COMPANY

By [Signature]

NOTICE:

This report is for information only and the content is limited to the sample described. Halliburton makes no warranties, express or implied, as to the accuracy of the contents or results. Any user of this report agrees Halliburton shall not be liable for any loss or damage, regardless of cause, including any act or omission of Halliburton, resulting from the use hereof.

Oil Viscosity vs. Temperature

