

HALLIBURTON DIVISION LABORATORY

HALLIBURTON SERVICES

MIDLAND DIVISION

ARTESIA, NEW MEXICO 88210

LABORATORY WATER ANALYSIS

No. W508-84

To Mr. Ray NokesDate October 23, 1984Harvey E. Yates CompanyP. O. Box 1933Roswell, NM 88201

This report is the property of Halliburton Company 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 operations by any person or concern and employees thereof receiving such report from Halliburton Company.

Submitted by _____ Date Rec. October 22, 1984Well No. Stebbins Deep #4 Depth _____ Formation DelawareCounty Eddy Field _____ Source Flow Tee

Resistivity _____ .09 @ 65°

Specific Gravity _____ 1.1

pH _____ 8.7

Calcium (Ca) _____ 6,100 *MPL

Magnesium (Mg) _____ 1,180

Chlorides (Cl) _____ 89,000

Sulfates (SO₄) _____ HeavyBicarbonates (HCO₃) _____ 610

Soluble Iron (Fe) _____ Nil

Remarks:

*Milligrams per liter

Rocky Chambers
Respectfully submitted

Analyst: Rocky Chambers - Field Engineer
cc:

BEFORE EXAMINER
OIL CONSERVATION DIVISION
HALLIBURTON COMPANY
CASE NO. <u>8414</u>
SUBMITTED BY <u>Applicant</u>
HEARING DATE <u>11/23/84</u>

NOTICE

This report is limited to the described sample tested. Any user of this report agrees that Halliburton shall not be liable for any loss or damage, whether it be to act or omission, resulting from such report or its use.

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ARTESIA, NEW MEXICO 88210

LABORATORY WATER ANALYSIS

No. W255-84

To Harvey E. YatesDate May 29, 1984P. O. Box 1933Roswell, NM 88201

This report is the property of Halliburton Company 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 operations by any person or concern and employees thereof receiving such report from Halliburton Company.

Submitted by _____ Date Rec. May 28, 1984Well No. Yates A Fed. Depth _____ Formation Delaware

County _____ Field _____ Source _____

Resistivity _____ .08 @ 65°

Specific Gravity _____ 1.124 @ 60°

pH _____ 7.0

Calcium (Ca) _____ 6,600

*MPL

Magnesium (Mg) _____ 1,900

Chlorides (Cl) _____ 110,000

Sulfates (SO₄) _____ NilBicarbonates (HCO₃) _____ 200

Soluble Iron (Fe) _____ Nil

KCL _____ Nil

Remarks:

*Milligrams per liter

Warren Lane
Respectfully submitted,

Analyst: Warren Lane - Field Engineer

HALLIBURTON COMPANY

cc:

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JURTON DIVISION LABORATORY
HALLIBURTON SERVICES
MIDLAND DIVISION
ARTESIA, NEW MEXICO 88210
LABORATORY WATER ANALYSIS

No. W30-84

To Harvey E. Yates Company

Date February 22, 1984

P. O. Box 1933

Roswell, NM 88201

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Submitted by Ray Coor

Date Rec.

Well No. Stebbin #1

Depth 3400' +

Formation Delaware

County Eddy

Field

Source

Resistivity .11 @ 68°

Specific Gravity 1.092 @ 60°

pH 7.0

Calcium (Ca) 3.900

*MPL

Magnesium (Mg) 1.800

Chlorides (Cl) 76.000

Sulfates (SO₄) Medium

Bicarbonates (HCO₃) 200

Soluble Iron (Fe) Nil

KCL 1%

Remarks:

*Milligrams per liter

Warren Lane

Respectfully submitted,

Analyst: Warren Lane, EIT

HALLIBURTON COMPANY

cc:

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