

HALLIBURTON DIVISION LABORATORY  
HALLIBURTON SERVICES  
MIDLAND DIVISION  
HOBBS, NEW MEXICO 88240

LABORATORY WATER ANALYSIS

No. \_\_\_\_\_

To Woodbine Petroleum

Date 8-21-90

5600 Allied Bank Tower

Dallas, Texas 75202

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Submitted by Roy Keen Date Rec. 9-20-90

Well No. \_\_\_\_\_ Depth \_\_\_\_\_ Formation \_\_\_\_\_

County \_\_\_\_\_ Field \_\_\_\_\_ Source \_\_\_\_\_

	<u>Mobil Fed. 3 &amp; 4</u>	<u>Amoco 1 &amp; 2</u>	<u>Mobil Fed 1 &amp; 2</u>
Resistivity	<u>0,051 @ 70° F</u>	<u>0.051 @ 70° F</u>	<u>0.051 @ 70° F</u>
Specific Gravity	<u>1.19</u>	<u>1.19</u>	<u>1.19</u>
pH	<u>5.8</u>	<u>5.9</u>	<u>6.1</u>
Calcium (Ca)	<u>28,000</u>	<u>28,000</u>	<u>22,400</u> *MPL
Magnesium (Mg)	<u>3,900</u>	<u>3,135</u>	<u>2,400</u>
Chlorides (Cl)	<u>176,000</u>	<u>186,500</u>	<u>176,500</u>
Sulfates (SO <sub>4</sub> )	<u>light</u>	<u>light</u>	<u>light</u>
Bicarbonates (HCO <sub>3</sub> )	<u>24</u>	<u>24</u>	<u>24</u>
Soluble Iron (Fe)	<u>light</u>	<u>light</u>	<u>light</u>

Remarks:

\*Milligrams per liter

BEFORE EXAMINER CATANACH  
OIL CONSERVATION DIVISION  
Woodbine  
EXHIBIT NO. 12  
10253  
CASE # HALLIBURTON COMPANY

Respectfully submitted,

Analyst: \_\_\_\_\_

cc:

By \_\_\_\_\_  
CHEMIST

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