

HALLIBURTON DIVISION LABORATORY

HALLIBURTON SERVICES

MIDLAND DIVISION

HOBBS, NEW MEXICO 88240

LABORATORY WATER ANALYSIS

No. _____

To Woodbine PetroleumDate 8-21-905600 Allied Bank TowerDallas, 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 & 4</u>	<u>Amoco 1 & 2</u>	<u>Mobil Fed 1 & 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 ₄)	<u>light</u>	<u>light</u>	<u>light</u>
Bicarbonates (HCO ₃)	<u>24</u>	<u>24</u>	<u>24</u>
Soluble Iron (Fe)	<u>light</u>	<u>light</u>	<u>light</u>
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Remarks:

*Milligrams per liter

BEFORE EXAMINER CATANACH

OIL CONSERVATION DIVISION

Respectfully submitted,

EXHIBIT NO. 12

Analyst: _____

cc: _____

By _____

CHEMIST

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