

LABORATORY WATER ANALYSIS

No. W80-1074

To MWJ Production Company

Date 10-2-80

1804 1st National Bank Building

Midland, Texas

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Submitted by _____ Date Rec. 10-2-80

Well No Saunders "16" #1 Depth 4,943' Formation San Andres

County Lea Field Saunders Source DST #1

	<u>Sampler</u>	<u>Tool Top</u>	<u>Top of Fluid</u>
Resistivity	<u>0.096 @ 74°F.</u>	<u>0.100 @ 74°F</u>	<u>0.163 @ 74°F.</u>
Specific Gravity	<u>1.071</u>		
pH	<u>6.3</u>		
Calcium (Ca)	<u>3,000</u>		<u>*MPL</u>
Magnesium (Mg)	<u>1,200</u>		
Chlorides (Cl)	<u>61,000</u>	<u>57,500</u>	<u>26,500</u>
Sulfates (SO ₄)	<u>3,600</u>		
Bicarbonates (HCO ₃)	<u>390</u>		
Soluble Iron (Fe)	<u>40</u>		
Fluid Change - Res. @ 74°F. -	<u>0.125</u>	Chlorides, mpl -	<u>40,000</u>
Pit Sample - Res. @ 74°F. -	<u>0.162</u>	Chlorides, mpl -	<u>27,000</u>

Remarks: To the best of our knowledge, the chemical analysis of this San Andres water is the closest test of the disposal zone formation water for the proposed SWD well. This should be adequate for requirement 7-5 of form C-108. *Milligrams per liter

Respectfully submitted,

Analyst: Brewer

cc:

HALLIBURTON COMPANY

By W. L. Brewer
CHEMIST

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