



Water Analysis

Date: 20-Jan-98

2708 West County Road, Hobbs NM 88240

Phone (505) 392-5556 Fax (505) 392-7307

Analyzed For

Company	Well Name	County	State
Mallon Oil	Mescalero 30 #4	Lea	New Mexico

Sample Source

Sample

Tank Battery

Formation

Morrow

Depth 13,297' - 13,324'

Specific Gravity

1.025

SG @ 60 °F

1.027

pH

2.95

Sulfides

Not Tested

Temperature (°F)

72

Reducing Agents

Not Tested

Cations

Sodium (Calc)	in Mg/L	10,923	in PPM	10,631
Calcium	in Mg/L	280	in PPM	273
Magnesium	in Mg/L	288	in PPM	280
Soluble Iron (FE2)	in Mg/L	370.0	in PPM	360

Anions

Chlorides	in Mg/L	18,000	in PPM	17,520
Sulfates	in Mg/L	780	in PPM	759
Bicarbonates	in Mg/L	0	in PPM	0
Total Hardness (as CaCO3)	in Mg/L	1,900	in PPM	1,849
Total Dissolved Solids (Calc)	in Mg/L	30,641	in PPM	29,824
Equivalent NaCl Concentration	in Mg/L	29,351	in PPM	28,568

Scaling Tendencies

*Calcium Carbonate Index

0

Below 500,000 Remote / 500,000 - 1,000,000 Possible / Above 1,000,000 Probable

*Calcium Sulfate (Gyp) Index

218,400

Below 500,000 Remote / 500,000 - 10,000,000 Possible / Above 10,000,000 Probable

*This Calculation is only an approximation and is only valid before treatment of a well or several weeks after treatment.

Remarks

Spent Acid Water 1%

Report #

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