



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 #

Wellhead

Formation

Strawn

Depth 12,314' - 12,324'

Specific Gravity	1.035	SG @ 60 °F	1.037
pH	6.90	Sulfides	Not Tested
Temperature (°F)	72	Reducing Agents	Not Tested

Cations

Sodium (Calc)	in Mg/L	14,441	in PPM	13,920
Calcium	in Mg/L	200	in PPM	193
Magnesium	in Mg/L	254	in PPM	254
Soluble Iron (FE2)	in Mg/L	40.0	in PPM	39

Anions

Chlorides	in Mg/L	22,400	in PPM	21,592
Sulfates	in Mg/L	630	in PPM	607
Bicarbonates	in Mg/L	830	in PPM	800
Total Hardness (as CaCO3)	in Mg/L	1,600	in PPM	1,542
Total Dissolved Solids (Calc)	in Mg/L	38,804	in PPM	37,405
Equivalent NaCl Concentration	in Mg/L	36,724	in PPM	35,400

Scaling Tendencies

*Calcium Carbonate Index	165,920
Below 500,000 Remote / 500,000 - 1,000,000 Possible / Above 1,000,000 Probable	
*Calcium Sulfate (Gyp) Index	126,000
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

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