



Water Analysis

Date: 29-Aug-05

2708 West County Road, Hobbs NM 88240

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

Analyzed For

Company	Well Name	County	State
Mewbourne	Rugar 31 # 2	Lea	New Mexico

Sample Source Swab Sample **Sample #** 1

Formation **Depth**

Specific Gravity	1.025	SG @ 60 °F	1.029
pH	6.44	Sulfides	Absent
Temperature (°F)	82	Reducing Agents	

Cations

Sodium (Calc)	in Mg/L	12,701	in PPM	12,338
Calcium	in Mg/L	4,000	in PPM	3,886
Magnesium	in Mg/L	720	in PPM	699
Soluble Iron (FE2)	in Mg/L	200.0	in PPM	194

Anions

Chlorides	in Mg/L	28,000	in PPM	27,200
Sulfates	in Mg/L	200	in PPM	194
Bicarbonates	in Mg/L	1,342	in PPM	1,304
Total Hardness (as CaCO3)	in Mg/L	13,000	in PPM	12,629
Total Dissolved Solids (Calc)	in Mg/L	47,163	in PPM	45,816
Equivalent NaCl Concentration	in Mg/L	45,078	in PPM	43,790

Scaling Tendencies

*Calcium Carbonate Index 5,368,000

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

*Calcium Sulfate (Gyp) Index 800,000

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 rw=.2@82f

Report # 1983