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MAR 23 2005

Water Analysis

OIL CONSERVATION
DIVISION

Date: 3/15/2005

2401 Sivley, Artesia NM 88210

Phone (505) 746-3140 Fax (505) 746-2293

30-015-32122

Analyzed For

Company	Well Name	County	State
Judah	T Bone Fed 1	Eddy	New Mexico

Sample Source

Sample #

1

Formation

Depth

Specific Gravity	1.030	SG @ 60 °F	1.030
pH	11.31	Sulfides	Not Tested
Temperature (°F)	60	Reducing Agents	Not Tested

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OCCASION

Cations

Sodium (Calc)	in Mg/L	12,097	in PPM	11,745
Calcium	in Mg/L	3,200	in PPM	3,107
Magnesium	in Mg/L	480	in PPM	466
Soluble Iron (FE2)	in Mg/L	0.0	in PPM	0

Anions

Chlorides	in Mg/L	24,000	in PPM	23,301
Sulfates	in Mg/L	2,000	in PPM	1,942
Bicarbonates	in Mg/L	268	in PPM	261
Total Hardness (as CaCO3)	in Mg/L	10,000	in PPM	9,709
Total Dissolved Solids (Calc)	in Mg/L	42,045	in PPM	40,821
Equivalent NaCl Concentration	in Mg/L	39,970	in PPM	38,806

Scaling Tendencies

*Calcium Carbonate Index 858,880

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

*Calcium Sulfate (Gyp) Index 6,400,000

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 FAX 748-1290

Report # 1741