



Laboratory Services
1331 Tasker Drive
Hobbs, New Mexico 88240
(505) 397-3713

ORIGINAL

WATER ANALYSIS

COMPANY Santa Fe Energy

SAMPLE Roaring Springs Fed. Com #1

SAMPLED BY Rolland Perry

DATE TAKEN 9-29-93

REMARKS

Nitrate	237.6
Barium as Ba	15
Carbonate alkalinity PPM	72
Bicarbonate alkilinity PPM	840
pH At Lab	7.70
Specific Gravity @ 60 F	1.012
Magnesium as Mg	3.364
Total Hardness as CaCO3	5.800
Clorides as CL	7.766
Sulfate as SO4	1.725
Iron as Fe	0.60
Potassium	4.85
Hydrogen Sulfide	322
Resistivity Ohms	0.75 @ 22.9° C
Total Disolved Solids	15.250
Carbonate as CO3 G/L	0
Calcium as CA	2.436

Results reported as Parts Per Million Unless Stated.

Langelier Saturation Index + 1.79

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Analysis By Rolland Perry
Date: 9/30/93