

WATER ANALYSIS REPORT
furnished by TRETOLITE CHEMICALS

COMPANY: RICE ENGINEERING
LEASE: JUSTIS SWDS
SAMPLE POINT: FRESH WATER N. LOCATION , SEC. 26, T25S, R37E, LEA COUNTY, NM
SAMPLE DATE: 6-7-88
SAMPLE TEMP.: NA

pH: 7.0
H2S: 0
SPECIFIC GRAVITY: 1

TITRATED AND CALCULATED IONS

	MILLIGRAMS PER LITER	MILLIEQUIVALENTS PER LITER
HCO3	244.00	4.00
Cl	985.00	27.75
SO4	250.00	5.21
Ca	200.00	10.00
Mg	97.20	7.97
Na	436.71	18.99

IONIC STRENGTH = 0.05
TOTAL HARDNESS = 900.0 mg/ltr.
TOTAL DISSOLVED SOLIDS = 2212.0 mg/ltr.

PROBABLE MINERAL COMPOSITION AND ION PAIRING

	MILLIEQUIVALENTS PER LITER	MILLIGRAMS PER LITER
Ca(HCO3)2	4.00	324.16
CaSO4	5.21	354.53
CaCl2	0.79	43.94
Mg(HCO3)2	0.00	0.00
MgSO4	0.00	0.00
MgCl2	7.97	379.40
NaHCO3	0.00	0.00
Na2SO4	0.00	0.00
NaCl	18.99	1110.02

CALCULATED SCALING TENDENCIES

SCALING INDEX

CaCO3 @ 80 DEG F. = 0.2
CaCO3 @ 120 DEG F. = 0.6

SATURATION POINT

CaSO4 @ 70 DEG F. = 2258.4 MG/LTR.
CaSO4 @ 110 DEG F. = 2315.1 MG/LTR.

(THIS SAMPLE CONTAINED 354.5 MG/LTR. CaSO4)

EXHIBIT "G"