

PANTLICH'S LABORATORIES

P. O. BOX 2439 TEL. 806 669-6821 PAMPA, TEXAS 79066-2439
 P. O. BOX 3246 TEL. 806 797-4325 LUBBOCK, TEXAS 79452-3246

WATER ANALYSIS

R

SAMPLING DATA

Lab #.....0685
 Customer.....VERMEJO MINERALS CORP.
 Sample ID.....* Well # R
 Produced Water
 Date sampled.....3-1-90
 Sampling point.....--
 Sample temp (deg. F).....75
 Sampled by.....Vermejo
 Analysis date.....3-7-90

ANALYTICAL DATA

pH.....8.66
 Specific gravity @ 75 deg. F.....1.0001
 Resistivity (ohm-m).....7.19
 Filterable solids (mg/l).....8.8
 Carbon dioxide (CO2) mg/l.....NA
 Sulfide (as H2S) mg/l.....NA
 Total hardness (as CaCO3) mg/l.....NA

REMARKS:

* Cimarron, New Mexico Area

Color:
Clear

DISSOLVED SOLIDS

Cations	meq/l	mg/l	ppm
Sodium (Na)	14.2	326	326
Calcium (Ca)	.2	4	4
Magnesium (Mg)	.2	2	2
Iron (Fe), total	0	0	0
Potassium (K)	NA	NA	NA
Barium (Ba)	NA	NA	NA

Anions

Chloride (Cl)	2.2	78	78
Sulfate (SO4)	0	0	0
Carbonate (CO3)	1.9	57	57
Bicarbonate (HCO3)	10.5	641	641
Hydroxide (OH)	0	0	0
Total dissolved solids (calculated)	29.2	1108	1108

DISTRIBUTION

3-Vermejo Minerals Corporation
 Rte 1 Box 4B
 Cimarron, New Mexico 87714

Mr Larry Williamson

Analysis By: Steve Hopkins

Water Patterns (meq/l)
Logarithmic

