

PANTECHS LABORATORIES

71-1

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

SEC 32, 31N, 18E

WATER ANALYSIS

SAMPLING DATA

Lab #.....1294
 Customer.....VERMEJO MINERALS CORP
 Sample ID.....WELL # 91-1
 Produced Water
 Date sampled.....5-3-91
 Sampling point.....--
 Sample temp (deg. F).....75
 Sampled by.....Vermejo
 Analysis date.....5-10-91

REMARKS:

CLOUDY- VISIBLE SOLIDS
 NO ODOR

DISTRIBUTION

3-VERMEJO MINERALS CORPORATION
 ROUTE 1 BOX 68
 CIMARRON, NEW MEXICO 87114
 MR LARRY WILLIAMSON

ANALYTICAL DATA

pH.....8.41
 Specific gravity @ 75 deg. F.....1.0017
 Resistivity (ohm-m).....2.18
 Filterable solids (mg/l).....56.4
 Carbon dioxide (CO2) mg/l.....NA
 Sulfide (as H2S) mg/l.....NA
 Total hardness (as CaCO3) mg/l.....NA

DISSOLVED SOLIDS

Cations	meq/l	mg/l	ppm
Sodium (Na)	49.1	1129	1127
Calcium (Ca)	.4	8	8
Magnesium (Mg)	0	0	0
Iron (Fe), total	0	0	0
Potassium (K)	NA	NA	NA
Barium (Ba)	NA	NA	NA
Anions			
Chloride (Cl)	31.8	1127	1125
Sulfate (SO4)	0	0	0
Carbonate (CO3)	.4	12	12
Bicarbonate (HCO3)	17.3	1055	1053
Hydroxide (OH)	0	0	0
Total dissolved solids (calculated)	99	3331	3325

Analysis By ___Steven Hopkins___

Water Patterns (meq/l)
 Logarithmic

