

PANTECHS LABORATORIES

91-3

☐ 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 16, 30N, 17E

WATER ANALYSIS

SAMPLING DATA

Lab #.....1295
 Customer.....VERMEJO MINERALS CORP
 Sample ID.....WELL # 91-3
 Date sampled.....5-2-91
 Sampling point.....Produced Water
 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.....8.32
 Specific gravity @ 75 deg. F.....1.0018
 Resistivity (ohm-m).....1.39
 Filterable solids (mg/l).....67.2
 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)	71.7	1648	1645
Calcium (Ca)	.6	12	12
Magnesium (Mg)	.8	10	10
Iron (Fe), total	0	0	0
Potassium (K)	NA	NA	NA
Barium (Ba)	NA	NA	NA

Anions

Anions	meq/l	mg/l	ppm
Chloride (Cl)	59.6	2113	2109
Sulfate (SO ₄)	0	0	0
Carbonate (CO ₃)	.4	12	12
Bicarbonate (HCO ₃)	13.1	799	798
Hydroxide (OH)	0	0	0

Total dissolved solids (calculated) 146.2 4594 4586

Analysis By___Steven Hopkins_____

Water Patterns (meq/l)
 Logarithmic

