

PANTLCHS 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

SAMPLING DATA

Lab #.....0691
 Customer.....VERMEJO MINERALS CORP.
 Sample ID.....* Well # E
 Produced Water
 Date sampled.....3-1-90
 Sampling point.....--
 Sample temp (deg. F).....75
 Sampled by.....Vermejo
 Analysis date.....3-7-90

REMARKS:

* Cimarron, New Mexico Area

Color:
 Yellow; suspended solids.

DISTRIBUTION

3-Vermejo Minerals Corporation
 Rte 1 Box 68
 Cimarron, New Mexico 87714

 Mr Larry Williamson

ANALYTICAL DATA

pH.....8.33
 Specific gravity @ 75 deg. F.....1.0019
 Resistivity (ohm-m).....1.34
 Filterable solids (mg/l).....40.8
 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)	81.1	1864	1860
Calcium (Ca)	1	20	20
Magnesium (Mg)	1.1	13	13
Iron (Fe), total	.1	3	3
Potassium (K)	NA	NA	NA
Barium (Ba)	NA	NA	NA

Anions

	meq/l	mg/l	ppm
Chloride (Cl)	64.2	2276	2272
Sulfate (SO ₄)	1.2	58	58
Carbonate (CO ₃)	0	0	0
Bicarbonate (HCO ₃)	17.9	1092	1090
Hydroxide (OH)	0	0	0

	meq/l	mg/l	ppm
Total dissolved solids (calculated)	166.6	5326	5316

Analysis By: Steve Hopkins

Water Patterns (meq/l)
Logarithmic

