

# 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 #.....0589  
 Customer.....VERMEJO MINERALS CORP.  
 Sample ID.....\* Well # 0  
                   Produced Water  
 Date sampled.....1-25-90  
 Sampling point.....--  
 Sample temp (deg. F).....75  
 Sampled by.....Vermejo  
 Analysis date.....2-5-90

REMARKS:

\* Cimarron, New Mexico Area

Color:  
Straw W/Suspended Solids

DISTRIBUTION

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

ANALYTICAL DATA

pH.....7.5  
 Specific gravity @ 75 deg. F.....1.009  
 Resistivity (ohm-m)......46  
 Filterable solids (mg/l).....154.8  
 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)	170.5	3920	3885
Calcium (Ca)	5.2	104	103
Magnesium (Mg)	31.4	382	379
Iron (Fe), total	0	0	0
Potassium (K)	NA	NA	NA
Barium (Ba)	NA	NA	NA
Anions			
Chloride (Cl)	191.1	6774	6714
Sulfate (SO4)	0	0	0
Carbonate (CO3)	0	0	0
Bicarbonate (HCO3)	15.9	970	961
Hydroxide (OH)	0	0	0
Total dissolved solids (calculated)	414.1	12150	12042

Analysis By Steve Hopkins

Water Patterns (meq/l)  
Logarithmic

