

# PANTECHS 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

H

## WATER ANALYSIS

### SAMPLING DATA

Lab #.....0527  
 Customer.....VERMEJO MINERALS CORP  
 Sample ID.....\* Well # H  
                     Produced Water  
 Date sampled.....1-5-90  
 Sampling point.....--  
 Sample temp (deg. F).....75  
 Sampled by.....Vermejo  
 Analysis date.....1-15-90

### REMARKS:

\* Cimarron, New Mexico Area  
 Color - Light Green W/Suspended solids

### ANALYTICAL DATA

pH.....7.91  
 Specific gravity @ 75 deg. F.....1.0031  
 Resistivity (ohm-m).....1.09  
 Filterable solids (mg/l).....150.8  
 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)      | 92.9  | 2136 | 2129 |
| Calcium (Ca)     | 1.2   | 24   | 24   |
| Magnesium (Mg)   | 2.5   | 30   | 30   |
| 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)                       | 74.3  | 2634 | 2626 |
| Sulfate (SO4)                       | 0     | 0    | 0    |
| Carbonate (CO3)                     | 0     | 0    | 0    |
| Bicarbonate (HCO3)                  | 22.3  | 1360 | 1356 |
| Hydroxide (OH)                      | 0     | 0    | 0    |
| Total dissolved solids (calculated) | 193.2 | 6184 | 6165 |

### DISTRIBUTION

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

Analysis By \_\_\_Jerry Kelly\_\_\_\_\_

Water Patterns (meq/l)  
Logarithmic

