

# 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

## WATER ANALYSIS

### SAMPLING DATA

Lab #.....0987  
 Customer.....VERMEJO MINERALS CORP  
 Sample ID.....PENNZOIL-Well # 90-3  
 Date sampled.....7-24-90  
 Sampling point.....--  
 Sample temp (deg. F).....75  
 Sampled by.....Vermejo  
 Analysis date.....8-2-90

### REMARKS:

Sli Oily Odor  
 Gray Color  
 Suspended Solids

### DISTRIBUTION

3-Vermejo Minerals Corporation  
 Rte 1 Box 68  
 Cimarron, New Mexico 87114  
 Mr Larry Williamson

### ANALYTICAL DATA

pH.....8.1  
 Specific gravity @ 75 deg. F.....1.0005  
 Resistivity (ohm-m).....4.11  
 Filterable solids (mg/l).....288.4

### DISSOLVED SOLIDS

| Cations          | meq/l | mg/l | ppm |
|------------------|-------|------|-----|
| Sodium (Na)      | 27.9  | 641  | 641 |
| Calcium (Ca)     | .4    | 8    | 8   |
| Magnesium (Mg)   | .1    | 1    | 1   |
| Iron (Fe), total | .1    | 3    | 3   |
| Potassium (K)    | NA    | NA   | NA  |
| Barium (Ba)      | NA    | NA   | NA  |

### Anions

| Anions                              | meq/l | mg/l | ppm  |
|-------------------------------------|-------|------|------|
| Chloride (Cl)                       | 7.4   | 262  | 262  |
| Sulfate (SO4)                       | 0     | 0    | 0    |
| Carbonate (CO3)                     | 0     | 0    | 0    |
| Bicarbonate (HCO3)                  | 21.1  | 1287 | 1286 |
| Hydroxide (OH)                      | 0     | 0    | 0    |
| Total dissolved solids (calculated) | 57    | 2202 | 2201 |

Analysis By: Steve Hopkins

Water Patterns (meq/l)  
Logarithmic

