

ROY JOHNSON

PANTLCHS LABORATORIES

☐ P. O. BOX 2439 TEL. 806 669-6821
☐ P. O. BOX 3246 TEL. 806 797-4325

PAMPA TEXAS 79066-2439
 LUBBOCK, TEXAS 79452-3246

31 MAR 5 AM 8 53

WATER ANALYSIS

32-31N-18E

SAMPLING DATA

Lab #.....1224
 Customer.....VERMEJO MINERALS CORP
 Sample ID.....Pennzoil Well # 90-3
 Date sampled.....02-19-91
 Sampling point.....--
 Sample temp (deg. F).....75
 Sampled by.....Vermejo
 Analysis date.....02-26-91

REMARKS:

Hydrocarbon odor
 Black Color
 Suspended Solids

DISTRIBUTION

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

ANALYTICAL DATA

pH.....8.04
 Specific gravity @ 75 deg. F.....1.0035
 Resistivity (ohm-m)......161
 Filterable solids (mg/l).....659.2
 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)	67.3	1547	1542
Calcium (Ca)	1.3	26	26
Magnesium (Mg)	.6	7	7
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)	46.7	1656	1650
Sulfate (SO4)	0	0	0
Carbonate (CO3)	0	0	0
Bicarbonate (HCO3)	22.5	1373	1368
Hydroxide (OH)	0	0	0
Total dissolved solids (calculated)	138.4	4609	4593

Analysis By: Steve Hopkins

Water Patterns (meq/l)
 Logarithmic

