

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

OIL COASER. DIVISION
RECEIVED

WATER ANALYSIS

'90 OCT 9 AM 9 21

SAMPLING DATA

LAB #.....1050
 CUSTOMER.....VERMEJO MINERALS CORP
 SAMPLE ID.....WATER - WELL # R
 DATE SAMPLED.....
 SAMPLING POINT.....
 SAMPLE TEMP (DEG. F).....75
 SAMPLED BY.....VERMEJO
 ANALYSIS DATE.....10-2-90

REMARKS:

COLOR: MURKY; GRAY-GREEN
 HYDROCARBON ODOR-OIL RESIDUE

DISTRIBUTION

3-VERMEJO MINERALS CORPORATION
 RTE 1 Box 68
 CIMARRON, NEW MEXICO 87114

MR LARRY WILLIAMSON

ANALYTICAL DATA

PH.....7.22
 SPECIFIC GRAVITY @ 75 DEG. F.....1.006
 RESISTIVITY (OHM-M)......518
 FILTERABLE SOLIDS (MG/L).....385.6
 CARBON DIOXIDE (CO₂) MG/L.....NA
 SULFIDE (AS H₂S) ME/L.....NA
 TOTAL HARDNESS (AS CaCO₃) MG/L.....NA

DISSOLVED SOLIDS

CATIONS	MEQ/L	MG/L	PPM
SODIUM (Na)	173.7	3993	3969
CALCIUM (Ca)	22.8	457	454
MAGNESIUM (Mg)	2.2	27	27
IRON (Fe), TOTAL	0	0	0
POTASSIUM (K)	NA	NA	NA
BARIUM (Ba)	NA	NA	NA

ANIONS

	MEQ/L	MG/L	PPM
CHLORIDE (CL)	192.6	6828	6787
SULFATE (SO ₄)	0	0	0
CARBONATE (CO ₃)	0	0	0
BICARBONATE (HCO ₃)	6.2	378	376
HYDROXIDE (OH)	0	0	0

	MEQ/L	MG/L	PPM
TOTAL DISSOLVED SOLIDS (CALCULATED)	397.5	11683	11613

Roten Conglomerate Sample
possible contamination w/Free water

ANALYSIS BY.....STEVE HOPKINS.....

WATER PATTERNS (MEQ/L)
LOGARITHMIC

