

27-31N-17E



2506 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

CLIENT: NMOCD-Penzoil
ID: 9009101600
SITE: Well 3017-271 G
LAB NO: F4991

DATE REPORTED: 10/09/90
DATE RECEIVED: 09/14/90
DATE COLLECTED: 09/10/90

Lab pH (s.u.).....	8.36
Lab conductivity, umhos/cm.....	1170
Lab resistivity, ohm-m.....	8.55
Total dissolved solids (180), mg/l..	924
Total dissolved solids (calc), mg/l.	912
Total alkalinity as CaCO ₃ , mg/l.....	641
Total acidity as CaCO ₃ , mg/l.....	0
Total hardness as CaCO ₃ , mg/l.....	50.2
Sodium absorption ratio.....	22.7

	mg/l	meq/l
Bicarbonate as HCO ₃	763	12.5
Carbonate as CO ₃	10.2	0.34
Chloride.....	139	3.91
Sulfate.....	1.65	0.03
Calcium.....	12	0.6
Magnesium.....	4.9	0.4
Potassium.....	1.44	0.04
Sodium.....	369	16.1
Major cations.....		17.1
Major anions.....		16.8
Cation/anion difference.....		0.96 %

Trace metals by AA (dissolved concentration), mg/l

	Analytical Result:	Detection Limit:
Arsenic (As).....	ND	<0.005
Cadmium (Cd).....	ND	<0.002
Lead (Pb).....	ND	<0.005
Selenium (Se).....	ND	<0.005

SEC 27, T31N, R 17E

1750 FNL

2089 FEL

TOTAL DEPTH 1993'

PERFS 1481-1747 VERMEJO FORMATION COAL SEAMS