

WELL "S"



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

CLIENT: NMOCD-Penzoil
ID: 9009101630
SITE: Well S
LAB NO: F4989

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

Lab pH (s.u.).....	8.70
Lab conductivity, umhos/cm.....	720
Lab resistivity, ohm-m.....	13.9
Total dissolved solids (180), mg/l..	544
Total dissolved solids (calc), mg/l.	557
Total alkalinity as CaCO ₃ , mg/l.....	462
Total acidity as CaCO ₃ , mg/l.....	0
Total hardness as CaCO ₃ , mg/l.....	50.2
Sodium absorption ratio.....	13.4

	mg/l	meq/l
Bicarbonate as HCO ₃	522	8.55
Carbonate as CO ₃	20.4	0.68
Chloride.....	42	1.18
Sulfate.....	0.82	0.02
Calcium.....	16.1	0.8
Magnesium.....	2.46	0.2
Potassium.....	0.64	0.02
Sodium.....	218	9.5
Major cations.....		10.5
Major anions.....		10.4
Cation/anion difference.....		0.41 %

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

see 14, T31N, R17E

2434' FNL

2394 FEL

TOTAL DEPTH 1152'

PEPFS: 894' - 1004' VERMEJO FORMATION COAL SEAMS