



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

CLIENT: NMOC-D-Penzoil
ID: 9009101400
SITE: Well 3118-311 M
LAB NO: F4992

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

Lab pH (s.u.).....	8.56
Lab conductivity, umhos/cm.....	1930
Lab resistivity, ohm-m.....	5.17
Total dissolved solids (180), mg/l..	1490
Total dissolved solids (calc), mg/l.	1460
Total alkalinity as CaCO ₃ , mg/l.....	795
Total acidity as CaCO ₃ , mg/l.....	0
Total hardness as CaCO ₃ , mg/l.....	60.2
Sodium absorption ratio.....	33

	mg/l	meq/l
Bicarbonate as HCO ₃	824	13.5
Carbonate as CO ₃	71.7	2.39
Chloride.....	369	10.4
Sulfate.....	0.82	0.02
Calcium.....	16.1	0.8
Magnesium.....	4.9	0.4
Potassium.....	2.6	0.07
Sodium.....	589	25.6
Major cations.....		26.9
Major anions.....		26.3
Cation/anion difference.....		1.04 %

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. 31, T1N1, R18E

747' FOL

92' FOL

TOTAL 1179' 2065'

PERFECT 1794' - 1900' 1794' TO 1900' 1794' SEAMS