



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

CLIENT: NMOCD-Penzoil
ID: 9009101430
SITE: Well 3118-321 I
LAB NO: F4990

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

Lab pH (s.u.).....	8.44
Lab conductivity, umhos/cm.....	2710
Lab resistivity, ohm-m.....	3.69
Total dissolved solids (180), mg/l..	2070
Total dissolved solids (calc), mg/l.	2050
Total alkalinity as CaCO3, mg/l.....	1030
Total acidity as CaCO3, mg/l.....	0
Total hardness as CaCO3, mg/l.....	68.3
Sodium absorption ratio.....	43.6

	mg/l	meq/l
Bicarbonate as HCO3.....	1200	19.7
Carbonate as CO3.....	30.9	1.03
Chloride.....	569	16
Sulfate.....	0.82	0.02
Calcium.....	24.1	1.2
Magnesium.....	1.98	0.16
Potassium.....	1.5	0.04
Sodium.....	829	36.1
Major cations.....		37.5
Major anions.....		36.8
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

SES. 30, T3IN, R 180

1950 FSL

1195 FFL

TOTAL L...

1951 FSL 1554-1664

1700-1800

PERMITS FORMATION (SAL. STAGE)