

WELCHEMWELCHEM, INC.
708 N. Main
P.O. Box 179
Seminole, Texas 79300-0179
915-758-6867

LABS NO. 55604

ANALYTICAL SERVICES REPORT**WATER ANALYSIS**

Date Received: 09/15/92

By: LLH

Date Out: 09/16/92

Company: AMOCO PRODUCTION COMPANY
Salesman: WHITE
Lease: NELLIS FEDERAL
Source:Date Sampled: 09/14/92
County: EDDY
State: NM
Well: 9**DISSOLVED SOLIDS
CATIONS**

	mg/l	me/l
Sodium, Na(calc)	73477.0	3194.66
Calcium, Ca	8000	399.2
Magnesium, Mg	5000	409.84
Potassium, K	4000	102.3
Iron, Fe	260	9.32
Manganese, Mn	6.0	0.22

OTHER PROPERTIES

pH	5.73
Specific Gravity, 60/60 F	1.156
Honograph Sp. Gr.	1.154- 1.1
Specific Gravity, Uncorr	1.154
Temperature (F)	69.8
Resistivity, OHMS-CM	3 @ 69.8

ANIONS

	mg/l	me/l
Chloride, Cl	145000	4084.51
Sulfate, SO4	1450	30.21
Carbonate, CO3	0	0.0
Bicarbonate, HCO3	50	0.82

Total Dissolved Solids (calc.) 237,243 ppm

SCALING TENDENCIES (MG/L):

TEMP (F)	P (PSI)	CO2 (PSI)	PH	CASO4	SCALE INDEX (MG/L)	CACO3
80	14.7	770.000	5.8	-273	-0	-322
110	14.7	770.000	5.7	292	-1	-248
140	14.7	770.000	5.7	550	-1	-189
170	14.7	770.000	5.7	728	-1	-142
200	14.7	770.000	5.7	832	-2	-107

Remarks & Recommendations:

Calculations based upon entered pH.

WELCHEM Representative

*Lucia Hunter*RECEIVED
OCT 2 1 59 PM '92
BUREAU OF LAND MANAGEMENT
HOBBS, NM