



UNICHEM
INTERNATIONAL

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Company Conoco, Inc.; Hobbs, New Mexico

Field _____

Lease Warren McKee WF

Sampling Date 10- 8-79

Type of Sample Brine well discharge

WATER ANALYSIS

IONIC FORM	me/l *	mg/l *
Calcium (Ca++)	92.00	1,840
Magnesium (Mg++)	188.00	2,256
Sodium (Na+) (CALCULATED)	4,309.51	99,076
Iron (Total)		2.7
Carbonate (HCO ₃ -)	5.50	336
Carbonate (CO ₃ -)	Not	Found
Hydroxide (OH-)	Not	Found
Sulphate (SO ₄ -)	100.21	4,813
Chloride (Cl-)	4,483.80	159,000
Total Dissolved Solids		267,320
7.04 ph.c 68 °F		
Dissolved Solids on Evap. at 103° - 105° C		
Hardness as Ca CO ₃	280.00	14,000
Carbonate Hardness as CaCO ₃ (temporary)	5.50	275
Non-Carbonate Hardness as CaCO ₃ (permanent)	274.50	13,725
Alkalinity as CaCO ₃	5.50	275
Specific Gravity c 68° F 1.178		

* mg/l = milligrams per Liter

* me/l = milliequivalents per Liter

CaCO₃ Scaling Index positive @ 86°F (0.81)

CaSO₄ Scaling Index negative (0.96)