

Unichem International

707 North Leech

P.O.Box 1499

Hobbs, New Mexico 88240

Company : ANADARKO

Date : 11-14-1990

Location: QUERECHO PLAINS #1 (on 10-30-1990)

Specific Gravity:

Total Dissolved Solids:

pH:

Resistivity:

IONIC STRENGTH:

Sample 1

1.040

55673

5.70

0.180 ohms @ 76°F

1.165

CATIONS:

		<u>me/liter</u>	<u>mg/liter</u>
Calcium	(Ca ⁺²)	240	4800
Magnesium	(Mg ⁺²)	100	1220
Sodium	(Na ⁺¹)	634	14600
Iron (total)	(Fe ⁺²)	1.87	52.1
Barium	(Ba ⁺²)	0.020	1.40
Manganese	(Mn ⁺²)	0.046	1.25

ANIONS:

Bicarbonate	(HCO ₃ ⁻¹)	1.40	85.4
Carbonate	(CO ₃ ⁻²)	0	0
Hydroxide	(OH ⁻¹)	0	0
Sulfate	(SO ₄ ⁻²)	41.6	2000
Chloride	(Cl ⁻¹)	931	33000

SCALING INDEX (positive value indicates scale)

Temperature
86°F 30°C

Calcium	Calcium
Carbonate	Sulfate
-1.5	6.9