

Unichem International

707 North Leech

P.O.Box 1499

Hobbs, New Mexico 88240

Company : METEX

Date : 05-26-1989

Location: Deck Federal - #1 - Wellhead (on 5-23-89)

Specific Gravity:

Sample 1

Total Dissolved Solids:

1.103

pH:

144221

IONIC STRENGTH:

6.80

2.962

CATIONS:

		<u>me/liter</u>	<u>mg/liter</u>
Calcium	(Ca ⁺²)	364	7280
Magnesium	(Mg ⁺²)	416	5050
Sodium	(Na ⁺¹)	1770	40800
Iron (total)	(Fe ⁺²)	0.319	8.90
Barium	(Ba ⁺²)	0.007	0.500

ANIONS:

Bicarbonate	(HCO ₃ ⁻¹)	4.40	268
Carbonate	(CO ₃ ⁻²)	0	0
Hydroxide	(OH ⁻¹)	0	0
Sulfate	(SO ₄ ⁻²)	38.5	1850
Chloride	(Cl ⁻¹)	2510	89000

SCALING INDEX (positive value indicates scale)

<u>Temperature</u>		<u>Calcium</u>	<u>Calcium</u>
86°F	30°C	<u>Carbonate</u>	<u>Sulfate</u>
		0.74	4.3