

Unichem International

P.O.Box 1499

Hobbs, New Mexico 88240

Owner: Dallas McCasland

Company : CONOCO
Date : 12-13-90
Location: Sec 24 NW4/NW4/4 (on 12-12-90)

Sample 1

Specific Gravity:	1.002
Total Dissolved Solids:	2371
pH:	7.90
IONIC STRENGTH:	0.056

[illegible]

<u>CATIONS:</u>		<u>me/liter</u>	<u>mg/liter</u>
Calcium	(Ca ⁺²)	15.0	300
Magnesium	(Mg ⁺²)	5.40	65.6
Sodium	(Na ⁺¹)	16.8	387
Iron (total)	(Fe ⁺²)	0.011	0.300
Barium	(Ba ⁺²)	0.006	0.400
Manganese	(Mn ⁺²)	0.001	0.030

<u>ANIONS:</u>			
Bicarbonate	(HCO ₃ ⁻¹)	3.00	183
Carbonate	(CO ₃ ⁻²)	0	0
Hydroxide	(OH ⁻¹)	0	0
Sulfate	(SO ₄ ⁻²)	17.7	850
Chloride	(Cl ⁻¹)	16.5	586

[illegible]

SCALING INDEX (positive value indicates scale)

		Calcium Carbonate	Calcium Sulfate
Temperature			
86°F	30°C	0.95	-3.7

EXHIBIT 22

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION
EXHIBIT NO. 22
CASE NO. 10220
Submitted by Conoco Inc
Hearing Date 1-24-91