

Unichem International

707 North Leech

P.O.Box 1499

Hobbs, New Mexico 88240

Company : ANADARKO
Date : 10-10-1991
Location: TEAS YATES WSW #1 (on 10-10-1991)

	Sample 1
Specific Gravity:	1.075
Total Dissolved Solids:	105532
pH:	6.75
IONIC STRENGTH:	1.919

<u>CATIONS:</u>		me/liter	mg/liter
Calcium	(Ca ⁺²)	80.0	1600
Magnesium	(Mg ⁺²)	60.0	729
Sodium	(Na ⁺¹)	1660	38100
Iron (total)	(Fe ⁺²)	0.002	0.060
Barium	(Ba ⁺²)	0.031	2.10
Manganese	(Mn ⁺²)	0.003	0.090

<u>ANIONS:</u>			
Bicarbonate	(HCO ₃ ⁻¹)	7.60	464
Carbonate	(CO ₃ ⁻²)	0	0
Hydroxide	(OH ⁻¹)	0	0
Sulfate	(SO ₄ ⁻²)	96.8	4650
Chloride	(Cl ⁻¹)	1690	60000

DISSOLVED GASES

Carbon Dioxide (CO ₂)	10.0
Hydrogen Sulfide (H ₂ S)	119

SCALING INDEX (positive value indicates scale)

<u>Temperature</u>		Calcium Carbonate	Calcium Sulfate
86°F	30°C	-0.06	-17
122°F	50°C	0.87	-17
140°F	60°C	1.2	-17
168°F	76°C	1.8	-12
176°F	80°C	1.9	-12
200°F	93°C	2.4	-12

RECEIVED

OCT 25 1991

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