

Mobil Producing TX. & N.M. Inc.
Santa Fe Pacific Lease, Well #8
Crossroads Devonian Pool
Lea County, NM

UNICHEM INTERNATIONAL

601 NORTH LEECH

P.O. BOX 1499

HOBBS, NEW MEXICO 88240

COMPANY : MOBIL
DATE : 2-8-83
FIELD, LEASE & WELL : EAST CROSSROADS SANTA FE SWD
SAMPLING POINT: HOLDING TANK (Injection Water Sample)
DATE SAMPLED : 2-7-83

SPECIFIC GRAVITY = 1.044
TOTAL DISSOLVED SOLIDS = 65476
PH = 6.5

		ME/L	MG/L
CATIONS			
CALCIUM	(CA)+2	140	2805.
MAGNESIUM	(MG)+2	160	1952
SODIUM	(NA), CALC.	845.	19438.
ANIONS			
BICARBONATE	(HCO3)-1	7.2	439.
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	38.5	1850
CHLORIDES	(CL)-1	1099.	38991.
DISSOLVED GASES			
CARBON DIOXIDE	(CO2)	.03	1.5
HYDROGEN SULFIDE	(H2S)	.01	.2
OXYGEN	(O2)	NOT RUN	
IRON(TOTAL)	(FE)		.9
BARIUM	(BA)+2	NOT RUN	
MANGANESE	(MN)	NOT RUN	

SCALING INDEX	TEMP		
	110C	76.6C	82.2C
	230F	170F	180F
CARBONATE INDEX	2.56	1.26	1.47
CALCIUM CARBONATE SCALING	LIKELY	LIKELY	LIKELY
SULFATE INDEX	-13.	-13.	-13.
CALCIUM SULFATE SCALING	UNLIKELY	UNLIKELY	UNLIKELY