

UNICHEM INTERNATIONAL

601 NORTH LEECH

P.O. BOX 1499

HOBBS, NEW MEXICO 88240

COMPANY ECONO FRIEND

DATE 10-6-83

F.L.D. LEASE & WELL YATES DRILLING CORP. STATE KG-30 #1 AND 2

SAMPLING POINT: WELLHEAD

DATE SAMPLED 10-3-83

NO. 1 NE/4NW/4 and NO. 2 NW/4 NE/4 Sec. 19, T18S, R29E, LOCO HILLS POOL

SPECIFIC GRAVITY = 1.122

TOTAL DISSOLVED SOLIDS = 181107

= 6.4

		ME/L	MG/L
CATIONS			
SODIUM	(NA)+2	453.	9084.
MAGNESIUM	(MG)+2	306.	3727.
CALCIUM	(CA), CALC.	2403.	55266.
ANIONS			
BICARBONATE	(HCO3)-1	6	366.
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	55.9	2687.
CHLORIDES	(CL)-1	3102	109975.
DISSOLVED GASES			
CARBON DIOXIDE	(CO2)	NOT RUN	
HYDROGEN SULFIDE	(H2S)	NOT RUN	
OXYGEN	(O2)	NOT RUN	
IRON (TOTAL)	(FE)		1.9
COPPER	(CU)+2	NOT RUN	
MANGANESE	(MN)	NOT RUN	

SCALING INDEX

TEMP

BICARBONATE INDEX	30C
CALCIUM CARBONATE SCALING	86F
	782
	LIKELY
SULFATE INDEX	27.6
CALCIUM SULFATE SCALING	LIKELY

EXHIBIT "E"