

UNICHEM INTERNATIONAL

601 NORTH LEECH

P.O. BOX 1499

HOBBS, NEW MEXICO 88240

COMPANY : COLLIER ENERGY
DATE : 6-9-82
FIELD, LEASE & WELL : LOWE B #1
SAMPLING POINT: WELLHEAD
DATE SAMPLED : 6-1-82

SPECIFIC GRAVITY = 1.065
TOTAL DISSOLVED SOLIDS = 96951
PH = 6.97

		ME/L	MG/L
CATIONS			
CALCIUM	(CA)+2	93.3	1870.
MAGNESIUM	(MG)+2	106.	1296.
SODIUM	(NA), CALC.	1458.	33528.
ANIONS			
BICARBONATE	(HCO3)-1	8.5	518.
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	98.8	4750
CHLORIDES	(CL)-1	1551	54987.
DISSOLVED GASES			
CARBON DIOXIDE	(CO2)	NOT RUN	
HYDROGEN SULFIDE	(H2S)	NOT RUN	
OXYGEN	(O2)	NOT RUN	
IRON(TOTAL)	(FE)		78.3
BARIUM	(BA)+2	NOT RUN	
MANGANESE	(MN)	NOT RUN	

SCALING INDEX	TEMP
	30C
	86F
CARBONATE INDEX	1.34
CALCIUM CARBONATE SCALING	LIKELY
SULFATE INDEX	-.07
CALCIUM SULFATE SCALING	UNLIKELY