

UNICHEM INTERNATIONAL

601 NORTH LEECH

P.O. BOX 1499

HOBBES, NEW MEXICO 88240

COMPANY : AMOCO
DATE : 2-6-84
FIELD, LEASE & WELL : BONE SPRINGS STATE FU #6
SAMPLING POINT: WELLHEAD
DATE SAMPLED : 2-2-84

SPECIFIC GRAVITY = 1.134
TOTAL DISSOLVED SOLIDS = 198880
PH = 6

		ME/L	MG/L
CATIONS			
CALCIUM	(CA)+2	206.	4141.
MAGNESIUM	(MG)+2	163.	1985.
SODIUM	(NA), CALC.	3086.	70967.
ANIONS			
BICARBONATE	(HCO3)-1	4	244.
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	52.9	2541.
CHLORIDES	(CL)-1	3400	119000
DISSOLVED GASES			
CARBON DIOXIDE	(CO2)	NOT RUN	
HYDROGEN SULFIDE	(H2S)	NOT RUN	
OXYGEN	(O2)	NOT RUN	
IRON(TOTAL)	(FE)		18.5
BARIUM	(BA)+2	NOT RUN	
MANGANESE	(MN)	NOT RUN	

IONIC STRENGTH (MCLAL) = 3.906

SCALING INDEX	TEMP
	30C
	86F
CARBONATE INDEX	-1.10
CALCIUM CARBONATE SCALING	UNLIKELY
CALCIUM SULFATE INDEX	-3.9
CALCIUM SULFATE SCALING	UNLIKELY

IONIC STRENGTH IS TOO HIGH FOR CARBONATE METHOD