

UNICHEM INTERNATIONAL

601 NORTH LEECH

P.O. BOX 1499

HOBBES, NEW MEXICO 88240

COMPANY : AMOCO
DATE : 2-3-84
FIELD : LEASE # 11 : UPPER BONE SPRINGS STATE HQ #1
SAMPLING POINT : HEATER TREATER
DATE SAMPLED : 1-30-84

SPECIFIC GRAVITY = 1.125
TOTAL DISSOLVED SOLIDS = 184528
RESISTIVITY AT 71F IS 1054 OHMS
PH = 6.68

		MG/L	MG/L
CATIONS			
CALCIUM	(CA)+2	153.	3072.
MAGNESIUM	(MG)+2	106.	1296.
SODIUM	(NA), CALC.	2907.	66839.
ANIONS			
BICARBONATE	(HCO3)-1	6.4	390.
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	60.9	2928.
CHLORIDES	(CL)-1	3100	110000
DISSOLVED GASES			
ARSENIC DIOXIDE	(CO2)	NOT RUN	
HYDROGEN SULFIDE	(H2S)	NOT RUN	
OXYGEN	(O2)	NOT RUN	
IRON (TOTAL)	(FE)		
ARSENIC	(BA)+2	NOT RUN	16.1
MANGANESE	(MNI)	NOT RUN	

ONIC STRENGTH (MOLAL) = 3.546

SCALING INDEX	TEMP
ARSENATE INDEX	30C
ALCIUM CARBONATE SCALING	86F
	533
	LIKELY
ALCIUM SULFATE INDEX	-12.
ALCIUM SULFATE SCALING	UNLIKELY