

UNICHEM INTERNATIONAL

601 NORTH LEECH

P.O. BOX 1499

HOBBS, NEW MEXICO 88240

COMPANY : AMOCO
DATE : 2-3-84
FIELD, LEASE & WELL : *Upper Bone Springs*
SAMPLING POINT : TANK
DATE SAMPLED : 1-30-84

SPECIFIC GRAVITY = 1.118
TOTAL DISSOLVED SOLIDS = 176709
RESISTIVITY AT 21F IS .056 OHMS
PH = 6.88

		ME/L	MG/L
CATIONS			
CALCIUM	(CA)+2	160	3206.
MAGNESIUM	(MG)+2	140	1701.
SODIUM	(NA), CALC.	2765.	63578.
ANIONS			
BICARBONATE	(HCO3)-1	6	366.
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	59.4	2857.
CHLORIDES	(CL)-1	3000	105000
DISSOLVED GASES			
CARBON DIOXIDE	(CO2)	NOT RUN	
HYDROGEN SULFIDE	(H2S)	NOT RUN	
OXYGEN	(O2)	NOT RUN	
IRON(TOTAL)	(FE)		14
BARIUM	(BA)+2	NOT RUN	
MANGANESE	(MN)	NOT RUN	

IONIC STRENGTH (MOLAL) = 3.43

SCALING INDEX

TEMP

CARBONATE INDEX	30C
CALCIUM CARBONATE SCALING	86F
	688
	LIKELY
CALCIUM SULFATE INDEX	-11.
CALCIUM SULFATE SCALING	UNLIKELY