

UNICHEM INTERNATIONAL

707 NORTH LEECH

P.O. BOX 1499

HOBBS, NEW MEXICO 88240

COMPANY : BHP

DATE : 03/04/86

FIELD, LEASE & WELL : LA PLATA DEEP WATER WELL #1

SAMPLING POINT: TOP DRILL STEM TEST

DATE SAMPLED : 02/27/86

SPECIFIC GRAVITY = 1.038

TOTAL DISSOLVED SOLIDS = 56733

PH = 6

		ME/L	MG/L
CATIONS			
CALCIUM	(CA)+2	76	1523.
MAGNESIUM	(MG)+2	30	364.
SODIUM	(NA), CALC.	865.	19899.
ANIONS			
BICARBONATE	(HCO3)-1	2.8	170.
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	32.7	1575
CHLORIDES	(CL)-1	936	33200
DISSOLVED GASES			
CARBON DIOXIDE	(CO2)	NOT RUN	
HYDROGEN SULFIDE	(H2S)	NOT RUN	
OXYGEN	(O2)	NOT RUN	
IRON(TOTAL)	(FE)		297
BARIUM	(BA)+2	0	.3
MANGANESE	(MN)	NOT RUN	

IONIC STRENGTH (MOLAL) = 1.083

SCALING INDEX	TEMP	
	30C	48.8C
	86F	120F
CARBONATE INDEX	-1.2	-.85
CALCIUM CARBONATE SCALING	UNLIKELY	UNLIKELY
CALCIUM SULFATE INDEX	-34.	-35.
CALCIUM SULFATE SCALING	UNLIKELY	UNLIKELY