

UNICHEM INTERNATIONAL

601 NORTH LEECH

P.O. BOX 1499

HOBBS, NEW MEXICO 88240

COMPANY : CITIES SERVICE
DATE : 6-19-84
FIELD LEASE & WELL : STATE DW #2
SAMPLING POINT: WELLHEAD
DATE SAMPLED : 6-13-84

SPECIFIC GRAVITY = 1.011
TOTAL DISSOLVED SOLIDS = 18177
PH = 6.2

		ME/L	MG/L
CATIONS			
CALCIUM	(CA)+2	53.3	1068.
MAGNESIUM	(MG)+2	66.6	810
SODIUM	(NA).CALC.	202.	4665.
ANIONS			
BICARBONATE	(HCO3)-1	.8	48.8
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	12.1	583.
CHLORIDES	(CL)-1	310	11000
DISSOLVED GASES			
CARBON DIOXIDE	(CO2)	NOT RUN	
HYDROGEN SULFIDE	(H2S)	NOT RUN	
OXYGEN	(O2)	NOT RUN	
IRON(TOTAL)	(FE)		415
BARIUM	(BA)+2	0	.6
MANGANESE	(MN)	NOT RUN	

IONIC STRENGTH (MOLAL) = .392

SCALING INDEX

TEMP

CARBONATE INDEX
CALCIUM CARBONATE SCALING

30C
86F
-1.4
UNLIKELY

CALCIUM SULFATE INDEX
CALCIUM SULFATE SCALING

-27.
UNLIKELY

Part VII (4)
Attachment 2
Injection Water Analysis
Bone Springs
From: State DW #2
1980' FSL, 1880' FWL
Sec 12-18S-33E