

NL TREATING CHEMICALS
NL INDUSTRIES, INC.

SCALING TENDENCIES OF WATERS

COMPACT: ALPHA-TWENTY-ONE
SAMPLE POINT: WELL #3
LOCATION: EL PASO TOM FED
DATE: 5/7/84

WATER ANALYSIS (MG/L):

SODIUM:	851.0
CALCIUM:	240.0
MAGNESIUM:	390.4
CHLORIDE:	2500.0
SULFATE:	262.5
BICARBONATE:	225.7
IRON:	13.3
BARIUM:	0.

PH: 6.0

IONIC STRENGTH = 0.1062

INDEX VALUES GREATER THAN ZERO INDICATE SCALING CONDITIONS
INDEX VALUES OF ZERO OR LESS INDICATE A STABLE WATER

TEMP.	CALCITE INDEX	GYPSUM INDEX	ANHYDRITE INDEX	BARITE INDEX
60	-1.41	-1.25	-1.50	-41.08
80	-1.29	-1.29	-1.44	-41.22
100	-1.17	-1.31	-1.36	-41.34
120	-1.04	-1.31	-1.28	-41.44
140	-0.89	-1.31	-1.18	-41.50
160	-0.73	-1.29	-1.08	-41.58
180	-0.54	-1.26	-0.96	-41.62
200	-0.35	-1.23	-0.84	-41.65
220	-0.13	-1.20	-0.70	-41.65
240	0.11	-1.17	-0.55	-41.63
260	0.37	-1.13	-0.40	-41.57

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DEC 21 1984

C.C.D.
HOBBS OFFICE