

XI

NL EATING CHEMICALS
NL INDUSTRIES, INC.

SCALING TENDENCIES OF WATERS

COMPANY: TEXACO PRODUCING INC.
SAMPLE POINT: SIMS HOUSE
LOCATION: SKELLY PENROSE "A"
DATE: 6/18/85

UNIT LETTER K, SEC. 4, T-23-S, R-37-E
(ALLUVIUM F.W. SAND)

WATER ANALYSIS (MG/L):

SODIUM: 575.0
CALCIUM: 0.
MAGNESIUM: 36.6
CHLORIDE: 600.0
SULFATE: 287.5
BICARBONATE: 317.2
IRON: 0.
BARIUM: 0.

PH: 7.0

IONIC STRENGTH = 0.0326

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

TEMP.	CALCITE INDEX	GYPSON INDEX	ANHYDRITE INDEX	BARITE INDEX
60	0.	-46.12	-46.37	-40.71
80	0.	-46.17	-46.31	-40.85
100	0.	-46.19	-46.24	-40.97
120	0.	-46.19	-46.15	-41.06
140	0.	-46.18	-46.05	-41.13
160	0.	-46.15	-45.94	-41.18
180	0.	-46.12	-45.82	-41.21
200	0.	-46.09	-45.69	-41.22
220	0.	-46.04	-45.54	-41.23
240	0.	-46.00	-45.38	-41.21
260	0.	-45.95	-45.22	-41.18