

SCALING TENDENCIES OF WATERS

COMPANY: TEXACO PRODUCING INC. (GULF)

SAMPLE POINT: #8A

LOCATION: AL CHRISTMAS "NCT-C" UNIT LEMER A, SEC 18, T-22S, R-37-E

DATE: 6/18/85

(SAN ANDRES) PRODUCED WTR

WATER ANALYSIS (MG/L):

SODIUM:	2074.6
CALCIUM:	400.0
MAGNESIUM:	488.0
CHLORIDE:	3000.0
SULFATE:	25.0
BICARBONATE:	2067.9
IRON:	0.5
BARIUM:	0.

PH: 7.1

IONIC STRENGTH = 0.1650

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	0.76	-2.20	-2.45	-41.23
80	0.86	-2.24	-2.38	-41.37
100	0.99	-2.26	-2.31	-41.49
120	1.13	-2.26	-2.23	-41.59
140	1.29	-2.26	-2.14	-41.68
160	1.47	-2.24	-2.03	-41.74
180	1.67	-2.22	-1.92	-41.79
200	1.89	-2.20	-1.80	-41.83
220	2.13	-2.17	-1.67	-41.84
240	2.40	-2.15	-1.53	-41.82
260	2.69	-2.12	-1.38	-41.75