

SCALE PREDICTION, MIXTURE NO. 1: 90.0 PERCENT FRUITLAND
10.0 PERCENT MORRISON

CALCULATED COMPOSITION OF MIXTURE NO. 1 IN MG/L:

(NA)= 6070. (CL)= 2715.
(CA)= 97. (SO4)= 175.
(MG)= 37. (HCO3)= 13443.
(BA)= 0. (CO3)= 0.
(SR)= 0. PH= 7.5

MOLAL IONIC STRENGTH= 0.294
SPECIFIC GRAVITY= 1.016

SCALING TENDENCIES(MG/L):

TEMP(F)	P(PSI)	CO2(PSI)	CAS04	BAS04	SRS04	CAC03
80.	14.7	0.000	-4266.	0.	-283.	216.
110.	14.7	0.000	-3228.	0.	-305.	220.
140.	14.7	0.000	-2493.	-1.	-260.	225.
170.	14.7	0.000	-1938.	-1.	-127.	229.
200.	14.7	0.000	-1504.	-1.	-78.	232.

SCALE INDEX = ANALYZED CONCENTRATION - EQUILIBRIUM SOLUBILITY

A POSITIVE SCALE INDEX INDICATES SCALE PRECIPITATION CAN OCCUR WITH
THE MAGNITUDE OF THE SCALE INDEX INDICATING THE MAXIMUM AMOUNT WHICH
COULD PRECIPITATE. A NEGATIVE SCALE INDEX INDICATES THE WATER IS
UNSATURATED AND NO SCALE PRECIPITATION WILL OCCUR.