

MEMORANDUM

SUBJECT: Chemical Geothermometers 88-11 Brines (4834A) DATE: June 7, 1984

TO: H. J. Olson ✓

FROM: H. D. Pilkington

Two brine samples collected during the flow test of well 88-11 have been run at the R&D laboratory. The results and the chemical geothermometers for each are given below:

	W14880 Brine sep @42 psi 1308 hrs. 6/2/84	W14881 Brine sep @40 psi 1740 hrs. 6/2/84
SiO ₂	327.0	293.0
Na	834.0	803.0
K	46.0	42.0
Ca	2.9	2.1
Mg	2.4	0.6
B	14.0	13.0
TqSiO ₂	197 = 387°F	190 = 374°F
TcSiO ₂	201 = 394°F	191 = 376°F
TNa-K-Ca	195 = 383°F	194 = 381°F

For comparative purposes, the results of well 81-14 at a depth of 465 feet is given below.

	W14959 81-14 @405' After 1 hr. flow/air	W14960 81-14 @465' After 4 hrs. flow/air
SiO ₂	260.0	280.0
Na	1200.0	1200.0
K	120.0	130.0
Ca	5.8	3.2
Mg	0.5	0.5
B	28.0	28.0

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W14959
81-14 @405'
After 1 hr. flow/air

T _q SiO ₂	183	-	361°F
T _c SiO ₂	181	-	358°F
T _{Na-K-Ca}	233	-	451°F

W14960
81-14 @465'
After 4 hrs. flow/air

188	-	370°F
187	-	369°F
245	-	473°F



H. D. Pilkington

HDP/c

cc: J. E. Deymonaz
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