

INTER-OFFICE MEMORANDUM

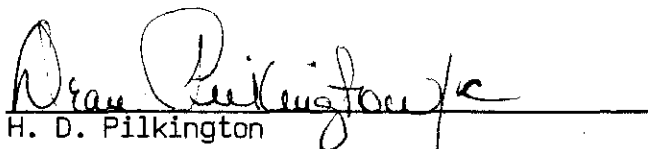
SUBJECT: Equilibration Temperature Well 88-11 DATE: May 15, 1984
 Fish Lake, Nevada (4801A).

TO: J. E. Deymonaz cc: H. J. Olson ✓
 W. M. Dolan
 FROM: H. D. Pilkington Wim Lodder

A time-temperature survey was run on May 2, 1984 at a depth of 4317 feet. The data for the survey is given below:

<u>Clock Time</u>	<u>Event</u>	<u>t</u>	<u>Temp</u>	<u>Te</u>
2350 5/1/84	Bit arrived	t ₀		
0500 5/2/84	Circulation ceases	t _s 5.167	110.01	
0948 5/2/84	Observation	t ₁ 9.967	115.85	158.42
1044 5/2/84	Observation	t ₂ 10.900	124.18	176.88
1134 5/2/84	Observation	t ₃ 11.734	133.24	189.20
1234 5/2/84	Observation	t ₄ 12.734	133.24	189.20
1355 5/2/84	Observation	t ₅ 13.750	133.76	182.96

The equilibration temperature of 182.96°C for t₅ is based upon the HP computer program developed by Art Lange based upon the Gary Crosby method (see attached printout). I only used data for what appeared to be valid for a depth of 4,317. When the drill crew moved the Kuster tool at times of 1440 and 1542 hours the readings suggest they dropped to deeper positions in the hole and results give an erroneously high equilibration temperature.


 H. D. Pilkington

HDP/c

attachment

T_5	5.1670	***
	1.	***
t_1	9.9670	***
T_1	110.0100	***
	0.7307	***
	2.	***
t_2	10.9000	***
T_2	115.8500	***
	0.6425	***
Te_2	158.4225	***
t_3	11.7340	***
T_3	124.1800	***
	0.5804	***
Te_3	176.8759	***
t_4	12.7340	***
T_4	133.2400	***
	0.5205	***
Te_4	189.2041	***
t_5	13.7500	***
T_5	133.7600	***
	0.4713	***
Te_5	192.9554	***