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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Earthquake Tectonics
345 Middlefield Road
Menlo Park, California 94025

January 17, 1975

Mr. Rodger Stoker
Aerojet Nuclear Company
Broadway Facility
550 Second Street
Idaho Falls, Idaho 83401

Dear Rodger:

Enclosed are copies of temperature logs obtained by Tom Urban in RRGE-1 on 11, 12, and 13 January. Copies of these logs were left with Jim Cotter at the drill-rig. Another log obtained by John Ziagos on the 15th will be sent when he returns from the field.

As I indicated in our phone conversation there is a marked change in the characteristics of the temperature-depth curve at about 500 feet. I am not sure whether this is a result of conditions within or outside of the hole, or both. The fact that temperature above 500 feet as well as below continued to increase after cementing suggests that cement occupies the annulus between the casing and the hole well above 500 feet and probably to the surface.

We appreciate the opportunity to log the hole again early next week. Perhaps we can resolve some of the uncertainties with the additional data.

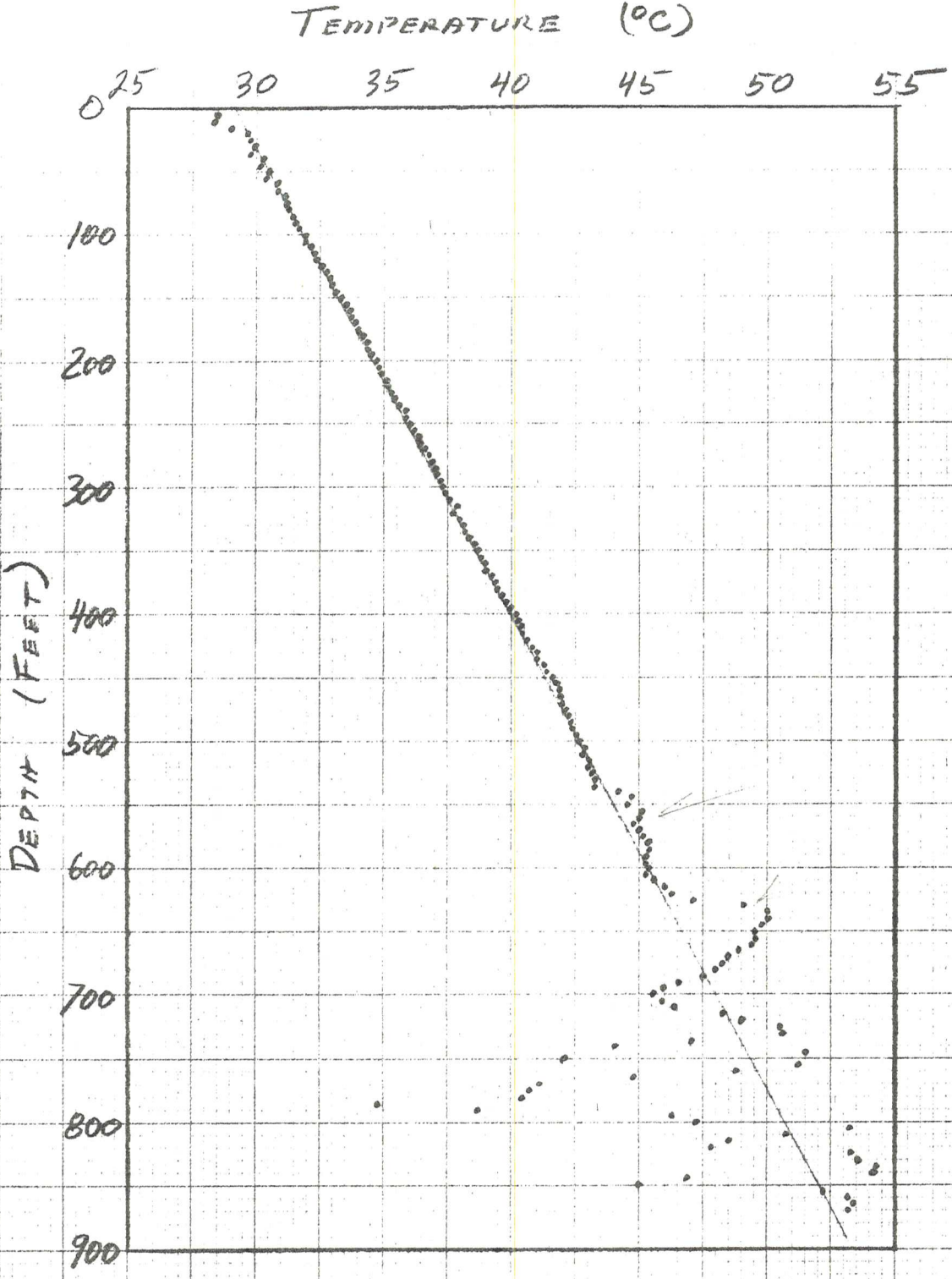
Sincerely yours,

Bill

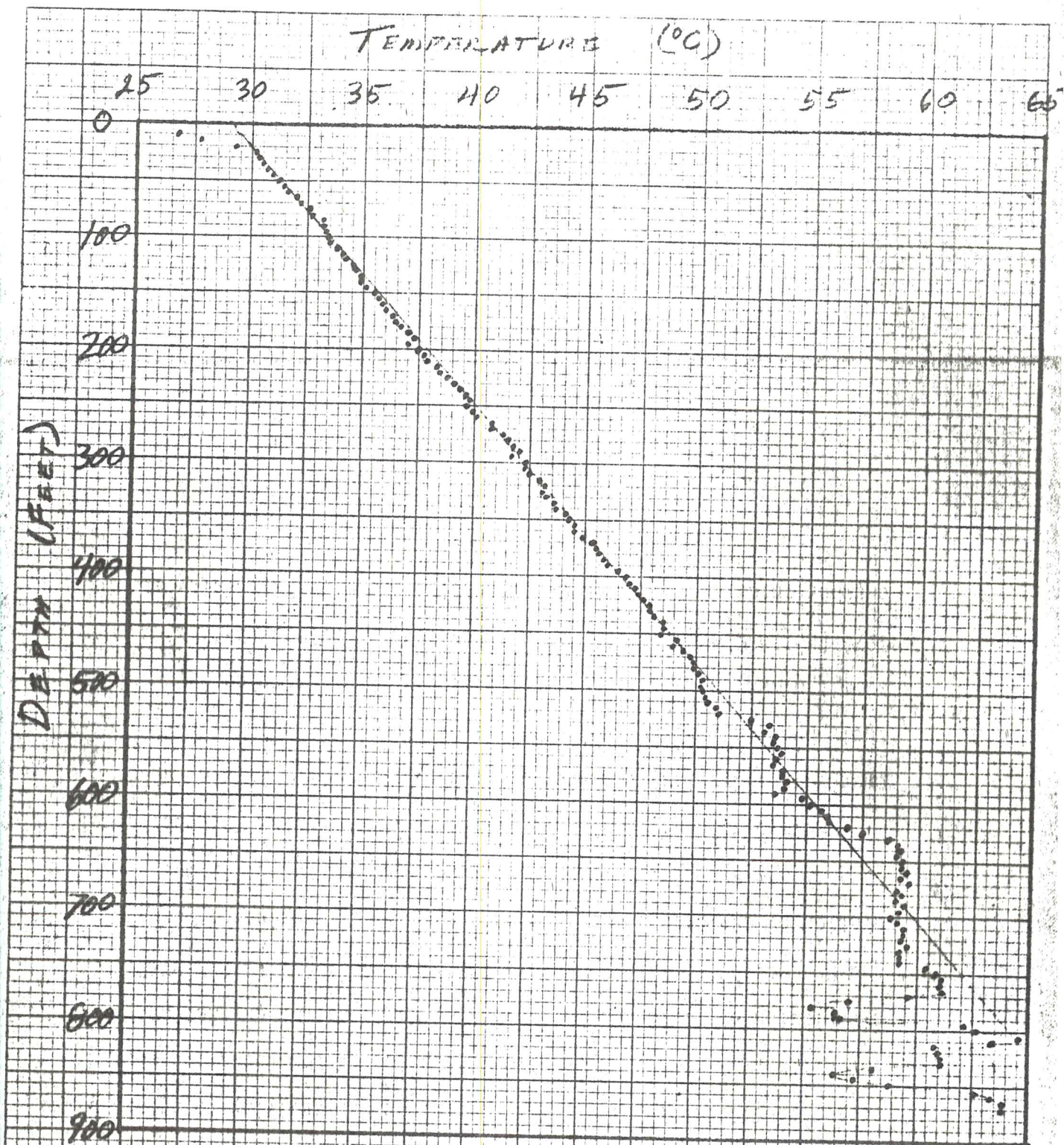
W. H. Diment

cc: D. R. Mabey
Paul Williams

KE 5 X 5 TO THE CENTIMETER 46 1610
1-1/2 X 3-1/2 IN.
KEUFFEL & ESSER CO.



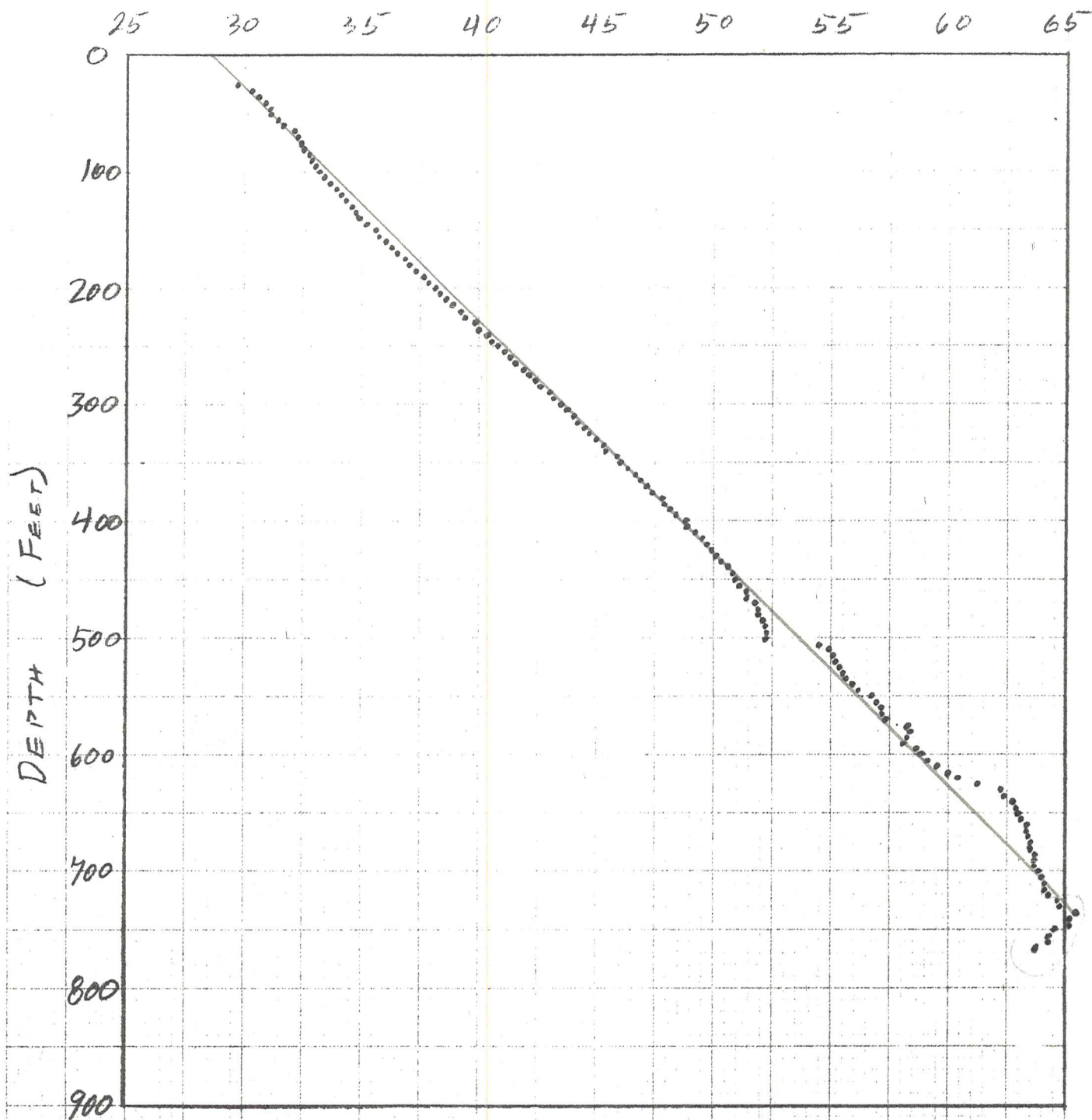
RAFT RIVER RRGE-1
11 JANUARY 1975



RAFT RIVER RRGE-1

12 JANUARY 1975

TEMPERATURE (°C)



RAFT RIVER RRGE -1

13 JANUARY 1975