December 27, 1979

## GEOTHERMAL BRANCH

Professor David Blackwell Department of Geological Sciences Southern Methodist University Dallas, Texas 75275

Dear Professor Blackwell:

I have enclosed samples for thermal conductivity tests. These represent ten formations that I would like to assign K-values to. I have enclosed at least two envelopes of each formation (lithology) to assure an adequate amount of material. The envelopes are labeled with hole numbers in the upper right corner i.e. 847-29, and depth is indicated in the lower left corner. The samples are listed below.

Sample	Depth Intervals
847-1	420', 430', 440'
847-2	440', 450'
847-3	200', 210'
847-9	140', 150'
847-9	290', 300'
847-15	70', 80'
847-15	200', 210', 220', 230'
847-22	220', 230'
847-23	150', 160'
847-29	200', 210'

Please send a copy of the test results to Dean Pilkington and a copy to myself. Thank you.

Very truly yours,

James T. Gross

dm

TYPE OF SAMPLE

W=Water, S=Soil

SS=Stream Sediment

V=Vegetation

R=Rock

DR=Dump Rock

DF=Dump Fines

CR=Core

CM=Composite

P=Pulp

ABBREVIATIONS  $Alk=K_20,\ Na_20,\ Ca0$   $T.E=Trace\ Elements\ (Standard\ elements\ unless\ defined\ otherwise.)$   $t=Total;\ tMo,\ tS \qquad ox=Oxide$   $s=Sulfide;\ as\ sNi$   $ns=Non-Sulfide;\ as\ nsCu$   $5=Cu,\ Mo,\ Pb,\ Zn,\ Ag$   $10=5+Co,\ Ni,\ Fe,\ Mn,\ Cd$   $Org=Organic\ Extraction\ Cu\ Zn$ 

Mo

5103

## REQUISITION FOR ANALYTICAL WORK

(REFER TO REQUISITION NO. IN ALL CORRESPONDENCE)

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