

UNIVERSITY OF UTAH RESEARCH INSTITUTE

UURI

EARTH SCIENCE LABORATORY
420 CHIPETA WAY, SUITE 120
SALT LAKE CITY, UTAH 84108
TELEPHONE 801-581-5283



November 25, 1980

Mr. Dean Pilkington
AMAX Exploration
7100 W. 44 Avenue
Wheat Ridge, CO 80033

Dear Dean:

Enclosed please find a copy of fluoride data from the 0-40 foot interval in the thermal gradient holes from McCoy. The determinations were made using a specific ion electrode.

I have also checked further into the reasons for the anomalously high gold values that we showed. The major source of error appears to be related to spectral interference from manganese. At least in the samples we ran from McCoy, high concentrations of manganese could indeed account for the anomalously high gold values.

Thank you for bringing this problem to my attention.

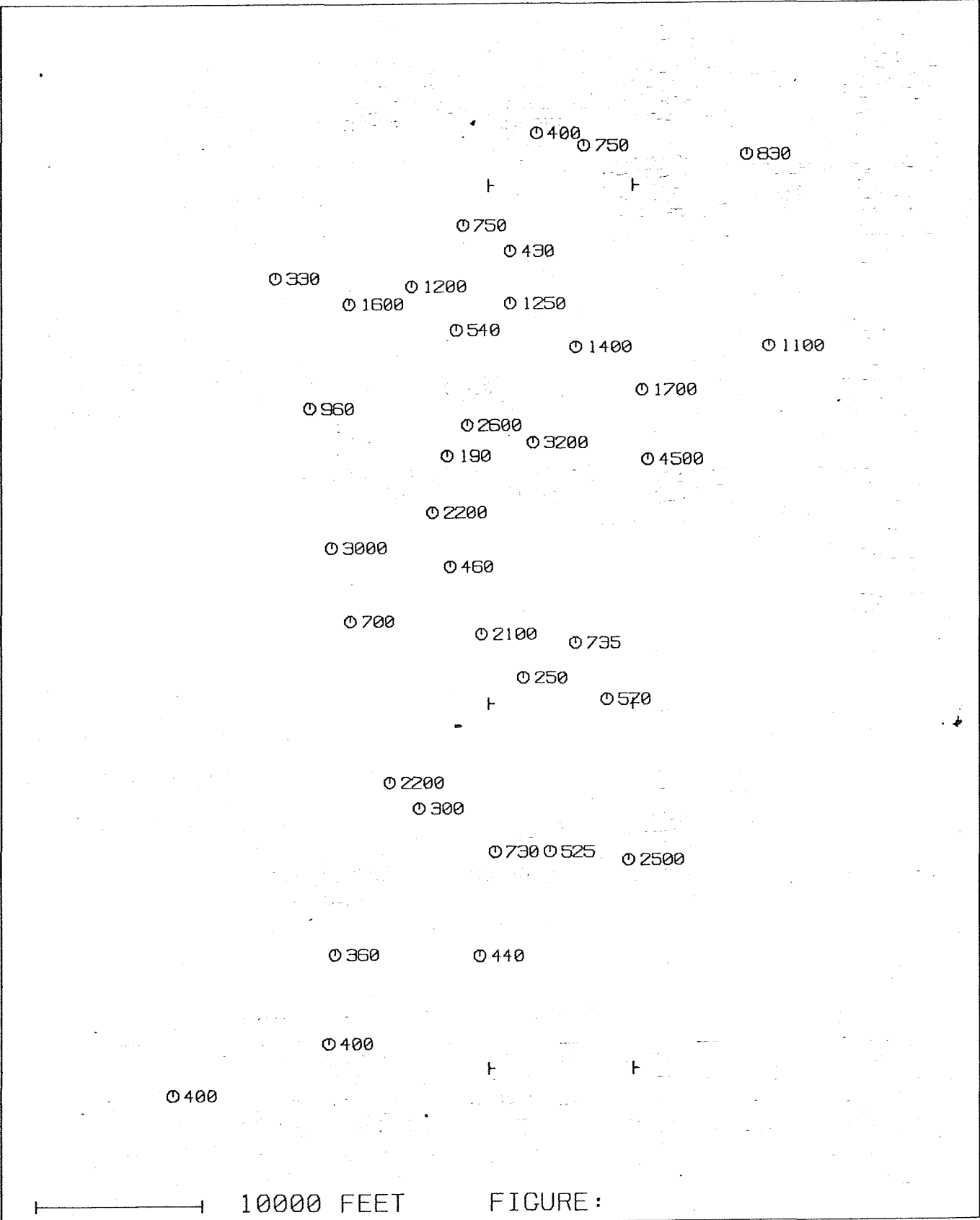
Sincerely,

A handwritten signature in blue ink, appearing to read 'J. N. Moore', is written above the typed name.

J. N. Moore
Geologist

JNM:gm

Enclosure



MCCOY GEOTHERMAL AREA (A)
LANDER & CHURCHILL, NV

FLUORINE (PPM) 0-40 F
SAMPLE TYPE:
ANALYTICAL METHOD:

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EARTH SCIENCE LABORATORY
420 CHIPETA WAY, SUITE 120
SALT LAKE CITY, UTAH 84108
TELEPHONE 801-581-5283

October 3, 1980

Mr. Dean Pilkington
AMAX Exploration
7100 West 44th Avenue
Wheat Ridge, CO 80033

Dear Dean:

I am enclosing for your use geochemical data from the shallow thermal gradient holes drilled at McCoy. The data are arranged in four sets labeled "A" through "D" in the lower left hand portion of each page. Because the holes were under 160 feet, we used a 40 foot composite sample for each analysis. Thus sections "A" refer to the 0-40 foot interval, "B" the 40-80 foot interval, etc.

As I am only part way through my interpretation of the data, I will not speculate about it now. However, I hope we can get together sometime during the next several months and compare thoughts on it.

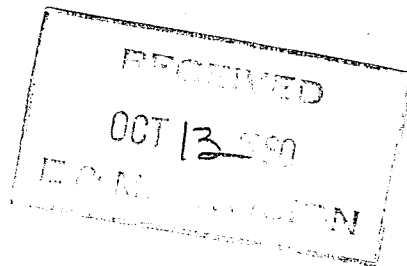
Sincerely,



J. N. Moore

JNM:gim

enclosure



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EARTH SCIENCE LABORATORY
420 CHIPETA WAY, SUITE 120
SALT LAKE CITY, UTAH 84108
TELEPHONE 801-581-5283

January 16, 1980

Dean Pilkington
AMAX Exploration Co.
4707 Harlan Street
Denver, CO 80212

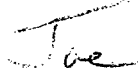
Dear Dean:

We are pleased that AMAX has agreed to provide the Earth Science Laboratory with the opportunity to sample and chemically analyze drill cuttings from thermal gradient holes at McCoy, Nevada. Acquisition of this data should prove valuable to the ongoing geologic and geochemical programs of both AMAX and the Earth Science Laboratory.

I have enclosed for your files, a copy of the original letter, which outlines the approach we have taken in similar studies.

Thank you for your cooperation.

Sincerely,



Joseph N. Moore
Project Manager/Geologist

JNM:srm

enclosure