

**GEOHERMAL BRANCH**

December 15, 1980

Dr. J. N. Moore  
University of Utah Research Inst.  
Earth Science Laboratory  
420 Chipeta Way, Ste. 120  
Salt Lake City, Utah 84108

Dear Joe:

As promised, some time ago, here are the results of Au analyses done by AA at Skyline Labs, Inc. on McCoy drill cuttings:

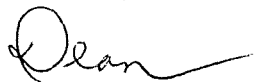
<u>Hole #</u>	<u>Depth (ft.)</u>	<u>Au (ppm)</u>
864-21	0-40	<0.02
-21	40-80	<0.02
-21	80-120	<0.02
-21	120-160	<0.02
864- 8	0-40	No sample
- 8	40-80	<0.02
- 8	80-120	<0.02
- 8	120-160	<0.02
864- 9	0-40	<0.02
- 9	40-80	<0.02
- 9	80-120	<0.02
- 9	120-160	<0.02
864-13	0-40	<0.02
-13	40-80	<0.02
-13	80-120	<0.02
-13	120-160	<0.02

<u>Hole #</u>	<u>Depth (ft.)</u>	<u>Au (ppm)</u>
864-25	0-40	<0.02
-25	40-80	<0.02
-25	80-120	<0.02
-25	120-160	<0.02
864-52	0-40	<0.02
-52	40-80	<0.02
-52	80-120	<0.02
-52	120-160	<0.02
864- 6	0-40	<0.02
- 6	40-80	<0.02
- 6	80-120	<0.02
- 6	120-160	No sample
864- 4	0-40	No sample
- 4	40-80	<0.02
864- 7	0-40	<0.02
- 7	40-80	<0.02
864-10	0-40	<0.02
-10	40-80	<0.02
-10	80-120	<0.02
864-14	40-80	<0.02
864-19	40-80	<0.02
864-20	40-80	<0.02
864-22	40-80	<0.02
864-24	40-80	<0.02
864-27	40-80	<0.03
864-28	40-80	<0.02
864-29	0-40	<0.02
-29	40-80	<0.02
-29	80-120	<0.02

<u>Hole #</u>	<u>Depth (ft.)</u>	<u>Au (ppm)</u>
864-31	0-40	<0.02
-31	40-80	<0.02
-31	80-120	<0.02
864-33	40-80	<0.02
864-34	40-80	<0.02
864-39	40-80	<0.02
864-46	40-80	<0.02
864-47	0-40	<0.02
-47	40-80	<0.02
-47	80-120	<0.02
864-48	40-80	<0.02
-48	80-120	<0.02
864-49	40-80	<0.02
864-50	40-80	<0.02
-50	80-120	<0.02
864-51	40-80	<0.02
-51	80-120	<0.02

As you can see there are several holes for which we did not have sufficient samples to run; however, I think the results are conclusive and indicate an analytical problem with Au using the ICPQ technique.

Sincerely,



H. D. Pilkington  
Chief Geologist, Geothermal Branch

HDP/c