

GEOLOGICAL SURVEY OF WYOMING
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UNIVERSITY OF ILLINOIS
DEPARTMENT OF GEOLOGY
URBANA, ILLINOIS

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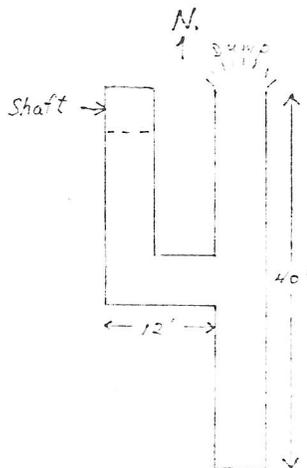
Dr. H. D. Thomas
Department of Geology
University of Wyoming
Laramie, Wyoming

Dear Bill;

Here is what little information I have on the Peterson property. You will remember that I went to the Black Hills primarily to look over the fluorspar properties, which Haff later mapped in some detail. The manganese was shown to me during a visit of only a few minutes.

I visited the Black Rock Claim on June 5th, 1943 accompanied by Mr. Peterson and his oldest son. Mr. Peterson told me that Mr. Jim Mc Gucken, a lawyer, was interested in the property. The claim was leased by the Black Rock Mining Company of Sioux City, Iowa. At the time Mr. Peterson was not certain in which section, township and range the claim was located, but he undoubtedly can furnish you with this information now.

The Black Rock Claim is on Warren's Peak about 9 miles northeast of Sundance, Wyoming in the Bear Lodge district. The ore consists of manganese oxides which occur in an altered porphyry. Several small veins which vary in width were seen in a tunnel. The tunnel is about 40 feet long. A drift about 12 feet long connects the main tunnel with another short one to the west. At the end of the western tunnel is a shaft. (See accompanying sketch map) A pit about 15 to 20 feet deep contains some good manganese ore.



Sketch Map

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My brief visit was restricted to the mine workings, but it is my recollection that most of the surface showings of manganese ore occur at the mine. The deposit appeared to be small. According to Mr. Peterson, only two carloads of ore had been shipped at the time of my visit. One of these averaged 40% manganese and the other 44%. If these figures are correct, the ore was probably hand picked before shipment.

To make an accurate estimate of the deposit's commercial possibilities would require careful sampling, assaying, additional development work directed by a geologist, and some detailed geologic mapping.

I hope this information is useful to you Bill. I do not know what Peterson's interest is because he told me that the property (claim) was leased by the Black Rock Mining Company.

Hope you had a very Merry Christmas and we wish you and Max the very best New Year.

Cordially,



A. F. Hagner