

GEOLOGICAL SURVEY OF WYOMING

Cheyenne, Wyo. Oct. 29, 1904.

Messrs N. B. & H. Roe,
Buffalo, Wyo.

Gentlemen:-

Following is a brief report on the Roe Brothers Group of Claims, examined October 18th 1904.

L O C A T I O N A N D E X T E N T .

This group is situated in Section 15, T. 49 N., R. 83 W. near the east border of the Big Horn Forest Reserve on the eastern slope of the Big Horn Mountains, about 17 miles from Buffalo, Johnson County, Wyoming and consists of the Roe Brothers Lode and Roe Brothers Lode No. 1, or about forty acres of land, held by location and discovery under the Laws of the United States and the State of Wyoming.

F O R M A T I O N .

The Geological formation of this portion of the Big Horn Mountains is principally granite of a reddish feldsitic variety, which is overlaid by limestones and the succeeding sedimentary formations that flank these mountains,

R O E B R O T H E R S G R O U P .

This group is situated some distance back on the mountains from the limestone rim and the formation at the point is granite as described, but here it is cut off by a large dyke of dark colored lime dyke rock that also shows some quartz and considerable iron stain at intervals.

The State of Wyoming.
Office of State Geologist,
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Two shafts, 25 feet and 46 feet deep respectively, have been sunk on two of the out-croppings of this dyke, but no indications of mineral in paying or commercial quantities were uncovered at either shaft,

The material, as shown by assay samples taken at various times during the work, contained small amounts of gold but no commercial amounts and though the material passed through showed considerable amounts of oxidized iron in both the red hematite and brown limonite forms, no indications of copper aside from a few isolated green stains were noted.

For this reason it is not considered advisable to continue work on these locations and it is therefore recommended that the timbers etc at the shafts be pulled out and the shafts abandoned at this point.

It is believed that the indications noted in this vicinity are favorable for finding minerals in this range of mountains and if proper regard is paid to the surface indications and the work done on the ore, it is evident that profitable ore bodies would be opened up.

Respectfully Submitted,


State Geologist.