

MR 903-35

GEOLOGICAL SURVEY OF WYOMING

The State of Wyoming  
Office of State Geologist  
Cheyenne

August 3rd, 1903.

Mr John P. Morris,

Gen. Mgr. Eagle Mtn. M. Co.

Cheyenne, Wyo.

Dear Sir:-

I hand you herewith the following brief report, upon the group of claims owned by your Company at Silver Crown, and trust it may aid you in opening up the property.

Very Truly Yours,



State Geologist.

REPORT  
ON  
THE EAGLE MOUNTAIN GROUP.  
HECLA, LARAMIE COUNTY, WYOMING.  
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ORGANIZATION.

The group of claims known as the Eagle Mountain Group are owned by the Eagle Mountain Mining Company of Cheyenne, Wyoming, the company being incorporated under the laws of the State of Wyoming with a capital stock of \$1,000,000.00 divided into 1000000 shares, par value \$1.00 each.

The officers of the Company are as follows,

- |                |                |   |
|----------------|----------------|---|
| J. J. Falen,   | Cheyenne, Wyo. | President.                                |
| J. P. Morris   | "              | " Vice President,<br>and General Manager. |
| Wm. F. Hurley, | "              | " Secretary.                              |
| H. A. Bennett, | "              | " Treasurer.                              |

EXTENT AND LOCATION.

The property consists of three full lode claims namely, the Rambler, Covellite and Gertrude claims, held by location and discovery under the laws of the United States and the State of Wyoming and comprising about 61 acres of land, situated 2 1/2 miles west of Hecla Post-office and 26 miles west of Cheyenne, Wyoming, in Silver Crown Mining District, Laramie County, Wyoming.

The nearest railroad point is Granite on the Union Pacific R.R. south seven miles, and Silver Crown Station on the Colorado & Southern R.R. is east ten miles

### GENERAL FORMATION.

In the above described locality, the country shows a range of mountains having a general northerly and southerly trend or direction; these hills rise to an altitude of about 9000 feet and are principally granite.

This granite is of a reddish feldspathic variety and is cut by dykes of diorite, schist and gneiss, and is often heavily mineralized with the various forms of iron and copper minerals.

### EAGLE MOUNTAIN GROUP.

On the Rambler Claim of this group an outcrop of heavily mineralized and stained granite material has been found.

The surface outcrops show a leached and stained condition, the rock being weathered into a hard ~~crusty~~ reddish color with some stain of green carbonate-of-copper or malachite.

A hole has been sunk to a depth of 17 feet and shows a broken fissured condition of the rock, these fissures, especially are noted in the south end of the shaft, having evidently formed a water channel and the mineral for some distance on each side has been oxidized and leached in a manner similar to the outcrops, but leaving the rock soft and easily worked.

The solid rock, where the surface waters have not penetrated, is solid and the contained mineral unaltered sulphides. This mineralization is especially heavy on the south side, near the above fissure and here the heavily mineralized material is about four feet wide, showing pots and bunches of iron pyrites and copper pyrites, (the former predominating) with some iron oxides and copper carbonates near the smaller

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seams in the rock, the copper mineral being bornite or "peacock copper", a sulphide of copper, often showing a blue tarnish.

The rest of the hole, about 6 or 9 feet in width shows some mineral in spots and indicates that the whole ledge matter in the shaft is mineralized.

This material is very similar to the enclosing granite, having the same pink and greenish cast of the feldspar with quartz scattered throughout the mass, but showing little or no mica.

At the present depth and state of work, it is impossible to state with certainty, whether this deposit is a ledge or chimney. Some iron stained outcrops are noted at intervals, east of the present work and a ledge condition may be developed in the present workings with depth.

It is probable that the present outcrop will be found to be a chimney of ore similar to those often encountered in these formations and which have produced some valuable ore.

#### DEVELOPMENT.

To develop this prospect, the present shaft should be sunk to a depth of 100 feet or more, following the ore now in the shaft to determine its extent and character of deposit, and in no case should the work be done off or away from the ore.

It is considered that this showing is a good prospect and fully warrants the above work, which may be done by windlass and whim, without other machinery, as this is the dry season of the year and no pumps will likely be needed for at least this depth.

This shaft should not be expensive, (the character of rock being considered) as little timbering will be necessary and conditions are favorable for work.

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WATER, TIMBER etc.

The Middle Fork of Crow Creek runs through the group and supplies sufficient water for all purposes, should a steam plant be put in.

The claims are practically barren of timber but this may be had at the usual rates for mining timber and lumber etc. obtained at Cheyenne.

There is a good county road direct to the Silver Crown Station and Cheyenne and all freighting <sup>done and</sup> supplies may be laid down at reasonable rates.

The Eagle Mountain is a prospect and undeveloped, but it is believed to be good ore and the showings fully justify the proposed development, as above indicated.

Respectfully Submitted,

*Henry C. Beiler*

State Geologist.

Date of Examination,

August 3, 1903.