

GEOLOGICAL SURVEY OF WYOMING

MR ~~1000~~ - 37
1903

The State of Wyoming
Office of State Geologist,
Cheyenne.

Cheyenne, Wyo. Sept. 30, 1903.

Mr. J. H. Knowles,
Treas. Fremont Copper Co.,
Fremont, Nebr.

Dear Sir:-

Complying with your recent request, I have examined the workings on the Copper Con Group, owned by your Company and situated on Dunkard Creek, near Grand Encampment, Wyoming.

The work has been confined to the main shaft, which has reached a depth of 356 feet, following the dip of the formation and keeping the red tale streak (mentioned in previous report) as a guide for the work.

This shaft is a first class piece of work, and is well timbered the whole length, with solid timbers well set and cared for.

The formation has materially improved since my last visit and it is recommended that further sinking be done as soon as you have completed your proposed pumping arrangements.

As already stated, the red tale streak still holds its own and with it are noted several bands of material, all more or less mineralized and showing some copper.

This copper shown in the form of small specks and streaks of chalcocite, or copper glance and chalcopyrite or copper pyrites, in the white quartzose material noted below. This quartz shows a width of from one to two feet and the copper shown scattered throughout it.

On either side is a schist, that on the northern side being a graphite schist and on the other side, a black schist carrying some mineral scattered through it.

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This condition also shows in the drifts now being run on the vein, on either side of the shaft, at a depth of about 350 feet, the west drift being in about 20 feet and the east about 10 feet.

It is recommended that the west drift be continued for some distance on the vein, to determine its general character and value at this depth, and that the east drift be extended far enough to admit of a good solid pillar being left around the shaft of at least 20 feet of ground and that a cross cut be run to the walls of the ledge to determine the condition existing there at this depth.

This work may be carried on pending the arrival of a new and larger pump and need not be expensive or of long duration and will afford a working knowledge of the deeper conditions of the ledges which are indicated by the outcrops on the surface.

The length of both these works will be determined by their results and it may be found to be advisable to extend both drifts along the vein several hundred feet.

Further sinking on the vein is recommended for the main shaft, as before stated, and it is considered that the showings fully warrant a continuance of the work.

The steam hoist, boiler and machinery, buildings etc. are all in good condition and doing efficient work.

It is suggested that the claims belonging to this Company be patented, in order to save any trouble that may arise in the future regarding annual assessments or title considerations and it may be stated that in general it is always a good plan to secure patent on any mining ground as soon as possible.

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I take this opportunity of commending the work being done by Mr. Carroll & Mr. Cross as these gentlemen are certainly working for the best interests of your Company in every instance.

Hoping you may be able to continue the work all winter and with best results, I am,

Very truly yours,

Henry C. Beeler
State Geologist.

Date of Examination
Sept. 27, 1905.