

HENRY C. BEELER, E.M.
STATE GEOLOGIST AND
EX-OFFICIO INSPECTOR OF MINES

The State of Wyoming.
Office of State Geologist,
Cheyenne.

MR 1906-70
GEOLOGICAL SURVEY OF WYOMING

May 19, 1906.

The Goldfield Securities Co.,
Denver, Colo.

Gentlemen:-

Herewith I hand you brief report on the claims of the Amalgamated Copper Mining and Extraction Company, of this State, now held by your Company, and I trust it will aid you in opening up the property.

Very truly yours,

Henry C. Beeler
State Geologist.

RECORD COPY
NOT TO BE REMOVED
FROM OFFICE.

A BRIEF REPORT

ON

THE TEDDY ROOSEVELT-GOOD HOPE GROUP.

NEOLA, LARAMIE COUNTY, WYOMING.



SITUATION.

The above group of claims is situated near Neola, Laramie County, Wyoming, in Section 1, Township 13 North, Range 70 West and Section 35, Township 14 North, Range 70 West, at a point twenty-three miles west of Cheyenne, Wyo. and two miles north of Granite Canon Station on the Union Pacific Railroad, the nearest shipping and railroad point.

EXTENT AND TITLE.

The Group consists of six claims, as follows:

The Teddy Roosevelt Claim, in Section 1, T. 13 N., R. 70 W.

Pay Rock No. 1 " / DO.

Pay Rock No. 2. " / DO.

Comstock " / DO.

Mountain Rose " / DO

Good Hope " / in Section 35, T. 14 N., R. 70 W.

These are full claims, each 600 feet by 1500 feet, comprising about 120 acres of land, held by location and discovery under the laws of the United States and the State of Wyoming. Notices of performance of annual labor required by law have been posted on these claims, and recorded, as provided for such notices.

GENERAL GEOLOGY.

The old mining camp of Silver Crown and Hecla is situated in the Southern end of the range of mountains known as the Laramie Hills, which extend north and south along the Laramie-Albany County line.

The general formation of this range consists of a core of granites flanked on either side by the succeeding sedimentary formations, limestones, shales, sandstones etc. The granite is usually of a reddish feldspathic variety, but grey granite is noted and these are both found to contain numerous dykes, ledges and bands of gneiss, schist, diorite, gabbro and other dyke rocks, and it is here noted that the mineral showings in this range are all found to occur in intimate connection with these dykes or ledges.

These showings vary in different parts of the Hills, but uniformly show copper ores with well defined surface indications, and the trend or direction of the veins or ledges, as well as that of the dykes etc. vary locally in the different camps of this range.

AT SILVER CROWN.

At the Roosevelt- Good Hope Groups the usual reddish feldspathic granite is noted as the country rock, cut by dykes and bands of schist and gneiss, and elsewhere, and dykes of diorite are also noted.

At the Roosevelt and other claims at the southerly end of the property the formation shows bands and veins of schist and quartz, especially on the Teddy Roosevelt Claim where a shaft has been sunk to a depth of about 30 feet and shows some copper both as stains and as copper sulphides in the vein matter.

A similar condition is noted on the other claims of this group, the formation having a general easterly and westerly trend or direction and a slight dip to the north. No samples were taken here as the work *ings*

were not in a condition to be sampled.

THE GOOD HOPE CLAIM.

This Claim lies north west of the main group and adjoins the Louise Claim of the Hecla Mining Company, and the Full Domingo Claim owned by Mr. John Morgan of Hecla, Wyo., both of which show strong indications of commercial ore. These are to be considered, as they have a direct bearing on the area that may be expected on this Good Hope Claim.

On the Louise Claim a shaft has been sunk to a depth of about 140 feet, following the dip of the vein and shows commercial copper ore, varying in width from four to six feet and there is every reason to expect larger bodies of this ore with depth.

On the Full Domingo Claims is noted the characteristic iron cap or "gossan" found overlying all copper deposits in Wyoming and some shallow shafts show the same copper sulphides as on the Louise Claim.

The Good Hope shows a black gneiss with quartz throughout the ledge and more or less stained with copper carbonates.

A double compartment shaft has been started on this claim, substantially timbered for its present depth of 30 feet. Copper carbonates are noted here also and the usual iron oxides in the capping or surface, as well as small amounts of sulphides in the vein matter.

It is recommended that this showing be thoroughly prospected and a shaft sunk on the best and heaviest showing of mineral, this shaft to be sunk on the vein and to follow the vein, as it is a prospect shaft and other extensive works may be planned after the vein is thoroughly developed.

The work on the Louise Claim and the Fairview Claim has demonstrated beyond a doubt the wisdom of this policy in this Camp, and also,

that the ores underlie these surface iron caps and that these are not surface shoots but simply the outcroppings of extensive ore bodies.

The Camps of Silver Crown, while an old camp, has lacked intelligent, systematic and deep development and in each case where the ore has been followed to any reasonable depth it has improved with depth. Shallow workings are worse than useless and work must be deep to attain success.

Mining conditions at Hecla are favorable to economical working, as its nearness to supply points enables the miner to order supplies and put them on the ground at a small expense. Water is plentiful in Crow Creek and its branches and lumber may be had at reasonable rates.

These claims are considered worthy of development and under proper management should show up commercial ores, as other properties of this district have done at a proper depth and these indications are considered to warrant the expenditure necessary to open them up.

All of which is respectfully submitted,



State Geologist.

Date of Examination,

May 18, 1906.

REPORT COPY

RECORDED
INDEXED