

1905
MR ~~100~~-62

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

Cheyenne, Wyo. October 2, 1905.

Mr. Sam'l Lesh,

Redbank, N. J.

My dear Sir:-

I enclose copies of report on the Delaware and Lackawanna
C. & Co. group of claims near Battle, Carbon County, this State and
consider them a good development proposition.

As this is a prospect and the future work on the property will
depend entirely upon the results or outcome of this tunnel work, I have
not gone into detail regarding the future of the property, but will be
glad to advise your Company at any time when your work is sufficiently
advanced to warrant consideration of permanent works or a hoisting plant.

In a new district like the Grand Encampment Country, a great
deal of prospecting is necessary, but I consider you have a good prospect
and it merits the necessary development.

Very truly yours,


State Geologist.

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GEOLOGICAL SURVEY OF WYOMING

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

R E P O R T

O N

T H E D. & L. G R O U P .

B A T T L E, C A R B O N C O U N T Y, W Y O M I N G .

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L O C A T I O N .

This group is situated in Sections 27 & 28, T. 14 N., R. 45 E.
about two miles east of Battle, in Southern Carbon County, Wyoming and
consists of three full claims, viz:

The Furnace Claim,

Furnace No. 2 Claim,

Vera Cruz Claim, and three fractions, namely:

The Helen Fraction

Louise fraction and

Vedge fraction.

These claims are held by location and discovery under the laws of the
United States and the State of Wyoming.

G E O L O G Y .

The rocks of this vicinity are principally quartzites, quartz-
schists and altered diorites. All the rocks are considerably washed and
fractured, but the general trend or direction of their contacts is north-
east and south-west and the general dip is towards the south.

In the Grand Encampment district the usual outcrop or capping
of copper deposits is an iron cap which may be either a limonite or
brown oxide of iron, or a hematite or red oxide of iron and associated

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therewith are usually some of the oxidised copper forms, chiefly as carbonates of copper either green or blue and often showing copper glance or chalcocite in small bunches or streams, but the main ore of the district is copper sulphides, either Chalcopyrite or Bornite and these occur at the level of underground water which occurs at a varying depth at different points in the district.

In this locality there are several outcrops of mineral, the principal one being that on the Gertrude property southwest of the D. & L. Group and the Hidden Treasure, which adjoins this group. At each of these places the mineral is principally red hematite or red oxide of iron and showing some copper ore stains or copper carbonates and some copper glance at intervals.

THE D. & L. GROUP.

The conditions on this group are similar to those noted above and the formation is the same.

The principal outcrop is near the top of a ridge extending through the group and in several open cuts, the surface of small deposits of copper glance and considerable hematite has been opened up.

These deposits are evidently portions of a main deposit or body of ore that, from all indications, should lie at the contact of the quartzite and altered diorite or schist that compose this hill or ridge.

To cut this contact a tunnel has been started from a point in the gulch below and has reached a length of 150 feet. A survey of this tunnel site showed a required length of 300 feet to reach the point above described and this would give a depth of 151 feet.

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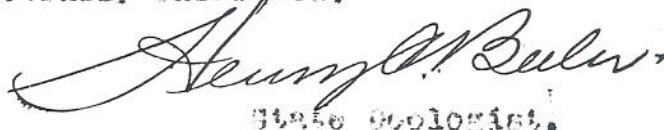
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This tunnel runs diagonally across the formation and should cut the contact at a point beneath the present surface works, but as is frequently the case in these contact formations, the dip and pitch of the ore shoot may be different than appears from surface indications and a drift along the contact may be required to cut the indicated shoot.

It is considered that the surface showings here and the other showings in the vicinity under similar conditions, fully warrant the extension and completion of the projected work necessary to develop these showings and it is recommended that the present tunnel be pushed ahead to the contact and necessary drift run along this contact to fully prove the property.

Mining conditions here are such that this may be done at a minimum expense for such work and the work now done in the tunnel is in good shape and done in a workmanlike manner.

Respectfully Submitted,


State Geologist.

Date of Examination,

September 29, 1905.