

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

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

1905  
MR. ~~1000~~ 67  
GEOLOGICAL SURVEY OF WYOMING

October 2, 1905.

Mr. C. W. Cheney,  
Shelbyville, Ind.

Dear Sir:-

I hand you herewith copy of report on the Newton Copper Company's group of claims, Carbon County, this State, and will state that I consider them a good proposition for development, also that the work which has been done to date has been done in the right way and has shown up a good vein of ore. I hope you will be able to continue development work on this property, as the showing made so far fully warrants its continuance.

Very truly yours,

*Henry C. Beeler*  
State Geologist.

RECORD COPY  
NOT TO BE REMOVED  
FROM OFFICE.

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

R E P O R T

O N

T H E N E W T O N G R O U P O F C L A I M S

N E A R

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

-----000-----

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

This Group is situated in Sections 13 and 24, T. 14 N., R. 85 W. and 18 & 19 T. 14 N., R. 84 W. about six miles west of Encampment, Carbon County, Wyoming.

It consists of eight claims as follows:

The Indiana,  
White Quartz,  
El Dorado,  
Sawmill,  
Lillian Russell,  
Lillian Y, and  
Harmonica.

These claims are held by location and discovery under the laws of the United States and the State of Wyoming, are nearly all full claims and comprise about 160 acres of land.

O R G A N I Z A T I O N .

The Newton Group is held by the Newton Copper Mining Company, organized under the laws of the State of Wyoming, capitalized at \$1,250,000.00, divided into 1,250,000 shares, par value \$1.00 each.

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

2-

G E O L O G Y .

The formation on these claims consists principally of "diorite" or gabbro, with a bed of conglomerate south and the quartzite schist series north of the gabbro, the formation all having an east and west trend or direction.

T H E N E W T O N G R O U P .

The main workings of this group are situated on the Copper Queen Claim, where a shaft has been sunk to a depth of 140 feet following the dip of a quartz vein in the gabbro or diorite.

This quartz outcropped on the surface and continued down the shaft to a point about 120 feet deep, where the shaft left the quartz vein *proper* and continued on the angle of former dip, the quartz passing into the north or hanging wall side of the inclined shaft and a crosscut is now being run north to cut this quartz at the present depth of 140 feet.

This quartz is heavily mineralized from the surface, the usual oxidized forms of copper and iron, viz green and blue copper carbonates and silicates, and yellow and brown iron oxides being found impregnating the quartz and staining the adjacent country rock.

As depth was gained the oxidized ores gave place to the sulphide forms of copper and iron, both in the quartz and diorite.

In the quartz the usual sulphide ores of the district are noted, both chalcocite, pyrite and bornite being found and some copper glance and chalcocite. The sulphides in the diorite are chalcopyrite and iron pyrites, which are found scattered throughout the mass of the rock and form a deposit or body of the original or unaltered ores of this

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

3-

district and is an encouraging sign in properties of this class.

About thirty tons of the quartz ore have been sorted out and piled up, and the diorite ore of the dump should show a low mill value if handled on a large scale.

It is considered this property shows a good prospect for development and fully warrants the expenditure necessary to open it up.

It is recommended that the present crosscut be driven north from the shaft to cut the quartz vein from the shaft and a drift run east and west on the vein to fully prove and locate the most profitable and extensive part of the shoot, and that crosscuts be run at suitable intervals to determine its width at various points.

This work may be soon successfull done with the present horse whin but if further sinking is decided upon after this work is completed, the hoist now at the property may be installed and the shaft sunk, following the ore.

It is evident that the present work is being done with as little expense as possible and its general continuance is recommended, also that the ore in crosscut and drift be saved and held for shipment.

As this work is still in the prospect stage, no recommendations for future plant or work need be included here, but may be deferred until the completion of the above outlined development.

Respectfully Submitted,

*Henry C. Beeler,*  
State Geologist.

Date of Examination  
September 29, 1905.