

MR1903-26

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

GEOLOGICAL SURVEY OF WYOMING

Cheyenne, Wyo. May 9, 1903.

Messrs Worrell and Allen,
Lincoln, Nebr.

Gentlemen:-

Pursuant to your request I have examined the Horace Greeley Group of Mining Claims, owned by Geo. Doyle of Douglas, Wyoming.

LOCATION.

This group lies at the head of one of the branches of LaPrele creek in the southern part of Converse County, Wyoming, about eighteen miles southwest of the town of Douglas.

Owing to Mr Doyle's absence from home the names and numbers of the claims could not be secured at this time, but will be furnished you later.

FORMATION.

The formations noted here consist of a series of broad bands of granite, gneiss and schists having a general northerly and southerly trend with an occasional dyke of diorite and quartz veins or leads showing at intervals in the different rocks noted above.

WORKINGS.

On the south side of the small creek on the Horace Greeley Claim is an old shaft, sunk in a horn blende schist in a small stringer of quartz lying in the schist and on the dump, showing considerable ore.

On the north side of the creek a tunnel has been driven sixty-five feet, following a vein or streak of quartz in granitic gneiss, and which ~~shows~~ varies from a foot to two feet in width and show considerable stain of iron oxides in the quartz, together with some small copper stains at intervals.

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W. & A. 2.

Above this tunnel and on the same vein, a shaft some twenty feet deep has been sunk, but not enough work has been done to fully show up the extent or value of the vein.

East of the Horace Greeley Claim, a vein of quartz lying in the granite and schist has been cut into and has a width varying from two to four feet at the present opening.

The quartz shows lying on the usual grey granite and overlaid by green mica schist and the whole much broken and twisted at this outcrop. This quartz is a bright, clear quartz, having a reddish cast and containing some iron oxides in stains, specks and streaks.

At this point the formation pitches sharply to the east, but from the condition noted at different points in this vicinity, it is likely that this dip may change at any time and new conditions ~~be~~ encountered.

DEVELOPMENT.

Before any permanent development work is decided upon, it is suggested that the present opening in the last described vein be enlarged by stripping a portion of the surface and exposing the full face of the quartz. When this is done the face should be sampled and assayed and, if profitable to continue, a shaft may be sunk on the vein for at least one hundred feet, ~~as~~ a prospect shaft and the extent and value of the quartz vein be determined before any machinery is erected or permanent work decided upon.

SAMPLING.

No samples for assay were taken here, aside from samples of quartz from the Horace Greeley tunnel and a characteristic sample of quartz from the eastern opening, which may be assayed at will.

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W. & A. 3.

In sampling this vein it will be necessary to take a large sample of one hundred pounds or more from all parts of the face exposed, in order to obtain an average and conservative value upon which to base estimates for future work.

This prospect appears to me to justify the work above indicated and bears every evidence of being a meritorious proposition.

Very truly yours,



State Geologist.

Date of Examination
May 7-1903.