

MR document
1901-4

NOT TO BE REMOVED
FROM OFFICE.

REPORT ON GEOLOGICAL SURVEY OF WYOMING

THE IRON KING PROSPECT. MINE.

Owned by the following named persons;

Principal office, at Saratoga, Wyo.

Officers:

	John D.C. Kruger, Saratoga, Wyo. one fifth interest.	
President,	Luke Wheeler,	do.
Vice-President,	R.J. Wheeler.	do.
Secretary,	Robt. Deal, Kimball, Nebr.	do.
Treasurer,	Mrs Julia Ferris, Rawlins, Wyo.	do.

Location, Three miles north of Battle, Wyo. on Cow creek, in Section 15, T14N, R35W, Battle Lake District, Carbon County, Wyoming.

Name and address of Superintendent, Luke Wheeler, Saratoga, Wyo. in charge.

Number of lode Claims, eleven, containing about 240 acres.

Names of lode Claims, Iron King #2; Iron Queen; Little Iron King; Garnet No. 2; Roan Horse Nos. 1 & 2; Big Blue; Little Blue; Blue #1; Luck-enough; and Mountain Ash.

Placer Claims, None located. acres.

Mill Sites, None located, acres.

Total number of acres in group, about 240 acres.

Title, By location and discovery.

Lien or encumbrance, None filed.

Title guaranteed by Not insured.

Nearest railroad station Wall cot on U.P.R.R. Distance, 55 miles, in a north easterly direction.

Reached by Wagon road via Saratoga to Cow creek and new Battle road.

Altitude at railroad station, about 7000 feet above sea level.

Altitude at main workings, 9000 " " " "

Character of country rock Schist of varying composition and more or less

altered; cut by diorite dykes and quartz ledges.

Character of walls, No determined but likely schist.

This property shows the schists of the country in their various forms, usually highly mineralized and showing several outcrops of quartz that carries considerable copper.

The principal work on the property has been done on the Iron King No. 2 claim in a shaft 40 feet deep, on a ledge that outcrops about 15 feet wide and shows copper and iron in the various oxide forms on the surface and as depth is attained shows the sulphide forms of the same with the copper predominating; the gangue is quartz and gives all the indications of a strong lead.

The strike of the lead is about north east and south west, apparently with the formation of the country and has a dip of about 30 degrees to the south.

The shaft has been sunk in a vertical direction and has cut through the lead instead of following it and some work will be necessary before the values in the bottom of the shaft are determined.

A similar but smaller lead is shown at a point about 500 feet distant but has not been opened and other small ledges are found within the limits of the claims but not developed.

The showing on these claims is very promising and should be developed at once. It is suggested that the best manner of so doing would be a tunnel run from a point in the gulch below the present shaft where a former survey gave a depth of 270 feet for a tunnel length of 480 ft. This could be driven by hand work with out a plant for about \$10.00 per foot and would be an economical way to prospect the ground.

It is noted that the surface showing of the principal copper producers of the Battle Lake District was similar to that shown on this property but seldom so high in copper at a shallow depth.

No assay samples were taken as surface samples show nothing of economic importance and the ore in the shaft was not accessible for the above reasons.

This is a promising prospect and with proper development may be made to show good returns for the work done.

H. C. Beeler
State Geologist.

Date of Examination,
July 17th, 1901.