

E. B. REED

GREENHORN MT.

REGION

NEW ELDORADO

DISTRICT

(See J. L. Kraus)

Above these copper claims in Sec. 7, T. 10 S., R. 34 E., is another group owned by E. B. Reed. The country rock is granodiorite cut by numerous rather coarse-grained dikes of granodiorite-porphry. These dikes are so much closer grained than the granodiorite that they remain hard after the granodiorite alongside has become quite soft in the altered zones. This altered zone is the peculiar thing about this property. It strikes N. 35° E., has a vertical dip and a width of something over 200 feet, and has been traced for several hundred feet. It is a soft mass of extremely altered granodiorite, in which the ferromagnesian minerals have been nearly decomposed and the feldspars have been kaolinized.

There are a large number of veins in this zone varying in width from 5 feet down to a few inches. These veins are roughly parallel to the strike of the zone. The larger veins usually consist of bluish quartz; the coloring effect is probably due to minute crystals of stibnite. One vein had a streak of stibnite about .1 inch wide, associated with small amounts of pyrite, and zinc blende. A specimen containing silver sulphide, either stephanite or pyrargyrite, was found at one point. Besides the large veins, there are a number of small veins which cut the rock in every direction. These contain some sulphides of antimony and iron.

This property is said to contain low values throughout the altered zone, but the development work consists almost entirely in drifts along the larger veins, so that there is little chance to sample in cross-cuts in the zone.

COLLIN CHISHOLM

GREENHORN MT.

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(See J. L. Kraus (Blair))

## J. L. KRAUSE CLAIM

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At various places on the lower half of the Big Boulder drainage area are copper claims in greenstone, some of which is amygdaloidal. The principal locations are those of *J. L. Krause*, *E. B. Reed*, *Chas. Wray* and *Collin Chisholm*. These groups are located on shear zones which are mineralized in places. Pyrite is the chief ore mineral. Pyrrhotite and some chalcopyrite are also present. These zones strike about N. 60° E. and appear to be somewhat similar to those on the southern slope of the Wallowa range, of which the Poorman is a type, although the shearing and percentage of copper is much less. How much gold and silver is present in these copper claims was not learned.

The lowest claim on Big Boulder is a quartz vein about 3 feet wide, containing small amounts of galena. It is said to assay about \$10 in gold and silver.