Last Chance Group

NAME
head of Ruby Creek S. of Dixie Meadows

OLD NAMES

TILS
T R S

TILS

Grant COUNTY

quartzburg AREA

ELEVATION

ROAD OR HIGHWAY

DISTANCE TO SHIPPING POINT

PRESENT LEGAL OWNER (S)

G. H. Knight

Address

Prairie City, Ore.

OPERATOR


Name of claims Area Pat. Unpat.

5 claims

Name of claims Area Pat. Unpat.

EQUIPMENT ON PROPERTY

PUBLISHED REFERENCES

Gold

PRINCIPAL ORE

MINOR MINERALS

GILLULY, REED & PARK 33:89

ORE, METAL MINES HANDBOOK 143:120

GILLULY, REED & PARK 33:89

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The Last Chance group consists of five claims near the head of Ruby Creek, just south of the Dixie Meadows mine. The claims are the property of G. H. Kight of Prairie City. There are about 400 feet of workings.

The country rock consists of sheared gabbro, serpentine, greenstone (meta-andesite), argillite, and sericitized diorite.

The objective of the workings is a mineralized shear zone that strikes N. 60° E. and dips 60° SE. There has been considerable sulphidization and silicification of the footwall of the shear zone, but the hanging wall shows much less. Small veinlets and branching stringers of quartz and sulphides as much as 1\(\frac{1}{2}\) feet thick occur.

The diorite just above the hanging wall is much sericitized and carries some sulphides.

The shear zone has been drifted on for about 150 feet. The minerals have been found to occur very irregularly, with some bunches of good ore, but much of the sheared matter is of very low grade. The principal sulphides are pyrite, galena, sphalerite, pyrrhotite, and a little chalcopyrite. The gangue is dominantly quartz with some ferriferous dolomite. Oxidation has been slight, and little of the gold is free. According to Mr. Kight the tenor is not very high, ranging from $4 to $8 to the ton, even in the highly sulphidic material.


Reference: Gilluly, Reed and Park 33:89 (quoted)