

Last Chance Group

Gold

NAME	OLD NAMES	PRINCIPAL ORE	MINOR MINERALS
head of Ruby Creek S. of Dixie Meadows			

T11S	R33E	
T	R	S

PUBLISHED REFERENCES

Ore. Metal Mines Handbook 14B:120
 Gilluly, Reed & Park 33:89

Grant
 COUNTY
 Quartzburg
 AREA
 ELEVATION
 ROAD OR HIGHWAY
 DISTANCE TO SHIPPING POINT

MISCELLANEOUS RECORDS

PRESENT LEGAL OWNER (S) ... G.H. Knight

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Address ... Prairie City, Ore.

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OPERATOR

Name of claims	Area	Pat.	Unpat.
5 claims			
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Name of claims	Area	Pat.	Unpat.
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EQUIPMENT ON PROPERTY

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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".

Owner: George H. Kight, Prairie City, Oregon: H.K.L. (12/9/40).

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