

Little Giant Mine

Gold

NAME	OLD NAMES	PRINCIPAL ORE	MINOR MINERALS
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6/46

T10S	R35E	NW $\frac{1}{4}$	Sec. 4
T	R		S

PUBLISHED REFERENCES

14B:81 Ore. Metal Mines Handbook

.....Grant..... COUNTY

.....Greenhorn..... AREA

.....5910..... ELEVATION

MISCELLANEOUS RECORDS

..... ROAD OR HIGHWAY

.....about 8 $\frac{1}{2}$ mi. Wlpton... DISTANCE TO SHIPPING POINT

PRESENT LEGAL OWNER (S)Judge Norbourne Berkeley..

Address Pendleton, Ore.

OPERATOR

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

LITTLE GIANT MINE (Gold)

Greenhorn District

Greenhorn Area

Owner: Judge Norbourne Berkeley, Pendleton, Oregon.

Location: NW $\frac{1}{4}$ sec.4, T.10 S., R.35 E.; one mile up mining ditch road, near head of Spring Creek and 1.3 miles from Greenhorn. Elevation 5910 feet.

History: Located in 1898. Operated about 1899 by an English company which built a \$60,000 mill (20-stamp). It has not been operated since 1905-6. W. W. Gardner says that the lower tunnel missed the ore at a depth of 60 feet.

Equipment: None left; all buildings are down. Mill was destroyed.

Geology: Country rocks are argillite, diorite, and serpentine. In location cut ore occurs as an argillite breccia; angular fragments lie in quartz. The latter shows open cavities with botryoidal chalcedony. Malachite is the only other visible mineral. Ore on the dump next to the entrance of the lower tunnel consists of massive pyrite and gray quartz, carrying some gold but no silver.

Development: Discovery shaft reported to be 40 feet deep at an elevation of about 6240 feet is completely caved. 375 feet N.75° W., and 75 feet below, a tunnel now caved has been driven 300 feet with 200 feet of drift to tap the ore beneath the shaft. 1000 feet down the hill to the northwest and just above the creek, a tunnel now filled with 2 feet of water, apparently trends S.50° E. This is at an elevation of about 5800 feet. This tunnel is 850 feet long, and mostly in argillite, although there is some andesite on the dump, indicating that a dike was cut. It is reported that 300 feet from the mouth of this tunnel a 3-foot vein was cut; and another 1 to 2 feet wide carrying pyrite and arsenopyrite was reached at 800 feet. At present this property is inactive.

Informant: J.E.A. (6/28/38); H.K.L. (3/41).