

Olive Butte

18 Elk

Gold

NAME

OLD NAMES

PRINCIPAL ORE

MINOR MINERALS

446

~~T9S~~

~~R35E~~

~~S31~~ Sec. 35

PUBLISHED REFERENCES

Oregon Metal Mines Handbook 14B:85

T

R

S

Grant

COUNTY

Greenhorn

AREA

6000

ELEVATION

MISCELLANEOUS RECORDS

ROAD OR HIGHWAY

DISTANCE TO SHIPPING POINT

PRESENT LEGAL OWNER (S) Judge Berkeley

Address Pendleton, Ore.

OPERATOR

Name of claims Area Pat. Unpat.

Name of claims Area Pat. Unpat.

EQUIPMENT ON PROPERTY

OLIVE BUTTE (BIG ELK) (Gold)

Greenhorn District

Greenhorn Area

Owner: Judge Norbourne Berkeley, 685 Court Street, Pendleton.

Location: SE $\frac{1}{4}$ sec. 35, T.9 S., R.35 E.; $\frac{1}{2}$ mile N.20° E. to Olive Butte.

History: First located 40 years ago. Small amount of ore shipped.

Equipment: 1 new ore car, track, 2 good cabins.

Geology: Elevation approximately 6000 feet. 3/4-mile from Olive Creek up a very steep road. Country rock is argillite; ore is a breccia composed of angular fragments of oxidized (limonitic) country rock lying in a matrix of dense, white quartz. Most of the argillite is more or less silicified. No sulphides were seen. Chert was noticed in the argillite on the ridge top above the mine. Here the bands strike N.60° E. and are vertical. The attitude also varies to east-west, dipping 75° N.

Development: Shaft approximately 40 feet deep and shows some quartz on the dump. Another shaft 50 feet to the southwest is 20 feet or more deep, and also shows some ore. A caved tunnel entrance lies north 50 feet to the southwest. Down the hill 200 feet to the northwest from these workings and about 150 feet below, a tunnel which is caved has been driven S.25° E.

Mineralization does not appear to be extensive. The vein has not been developed for any distance and may not be very wide. The property should be opened up for a more complete examination.

Miscellaneous: Timber is abundant; water is scarce; road to mine is extremely steep. Elevation probably means that snow would interfere with all-year operation.

Informant: J.E.A. (6/27/38).