

Douglas County

Name: Gold Cut Mine (gold quartz)
Also known as Pennell Mine

Owners: Guy, Howard and Clifford Pennell, Tiller, Oregon.

Location: One mile east of Tiller on ridge north of the South Fork of the Umpqua River in Sec. 27, T. 30 S., R. 2 W.

Area: N.E. $\frac{1}{4}$ of Sec. 27, 160 acres patented land.

History: First work was done in 1917. Upper cut was made in 1932 and the lower cut in 1934.

Geology: A north-south fracture is cut by two east-west fractures in the lower cut. A little ore was found at these intersections. In the upper cut, which is on the north-south fracture, the vein appears to be resili-cified quartz in quartz diorite wall rock. The vein is from nothing to about 12 inches wide and carries about 75% free gold and a small amount of pyrite. Five samples were taken.

1. 16 inches of quartz in floor at face in upper cut.
Au. Trace. Ag. Blank.

2. 16 inches iron stained quartz. Shallow cut above upper cut. Au..02 oz. Ag. Tr.

3. 12 inches quartz three feet north of sample No. 2.
Au. .02 oz. Ag. Tr.

4. 12 inches quartz about halfway between the two cuts.
Surface sample. Au. Tr. Ag. Blank.

5. 14 inches of quartz in floor at face of lower cut.
Au. .08 oz. Ag. Tr.

All the ore that would pan has been milled.

Development: 60 ft. open cut with 15 ft. face (lower) about 15 ft. vertically above is a second 60 ft. open cut with a 20 ft. face. When rock in place is reached it is too hard and slow for hand work.

Gold Cut Mine (Continued)

Equipment: 1 Gibson prospecting mill.
1 2 H.P. Fairbank Morse Engine.
1 Buick Engine and Miscellaneous small tools.

Miscellaneous Information: Elevation 1200 feet. Plenty of
timber. Water will have to be developed.
Maximum 3 feet of snow. No record of production
but it amounts to very little.

Informant: J. E. Morrison. 10/19/38.