

PE-95-4

PE-095-04

BREWSTER QUARTZ PROPERTY

Brewster Quartz Property:

Property, consisting of two lode claims, the Buckeye Mining Co. claim, and the Buckeye Mininy Company No. 1 claim, is located in the Sunrise Mining district, Kenai Peninsula, Alaska. It is owned by Brewster Bros. whose address is: Mile 34, a station on the Alaska RR. First discovered in 1915, and in 1926 a small mill was installed.

Property is best accessible from Mile 34, from where it is 12- $\frac{1}{2}$ miles by rough road to the junction of the steep trail leading up the mountain for about one mile to the workings. The elevation at the junction of the road and this trail is about 810 ft. above sea level, or 60 ft. above the level of Bench Creek, a tributary of East Fork Creek, flowing into Six Mile Creek. It is also accessible from Moose Pass Station (Mile 29), thence 29 miles by auto to the Forks, thence 11 miles by rough road following the above mentioned creeks to the trail turnout.

The surface showing and development is located about the center of the Buckeye Mining Company claim at an elevation of 1780 feet above sea level.

The ore deposit has been found at only one locality where it has been exposed in an open cut, showing its greatest length to be 50 to 60 feet, and consisting of short stringers and small masses of quartz occurring irregularly in the graywacke and slate and usually conforming to the bedding planes of the formation in strike and dip--strike N. 15' to 20' east, dip practically vertical, with some smaller stringers cutting across the bedding. Quartz stringers occur in the formation across a face 12 to 15 ft. wide but the ore is confined mainly to those in the eastern 4 to 6 ft. of this zone. See sketch.

The quartz, particularly in the wider stringers, is coarsely crystalline and includes small cavities lined with interlocking quartz crystals. The mineralization is slight and consists of occasional crystals or small clusters of chalcoprite, galena, pyrite and sphalerite. Some arsenopyrite is probably also present but was not noticeable in the ore examined. Some specimens have been found showing visible gold and selected ore will show some free gold on panning.

Underground work consists of a 65 ft. adit bearing S. 20'W., and driven along the strike of the formation with a 10 ft. crosscut to the east at right angles to the strike. A well defined fault cuts across the face of the open cut, striking N. 3' E., with a dip of SW 30 degrees, cutting off the deposit at a depth of about 30 ft. below its highest outcrop. The adit was started below this fault plane cutting it a short distance in from the portal and continuing along it at a slight angle, in the hanging wall portion. See sketch. Several small bunches of quartz were struck in the adit where it first

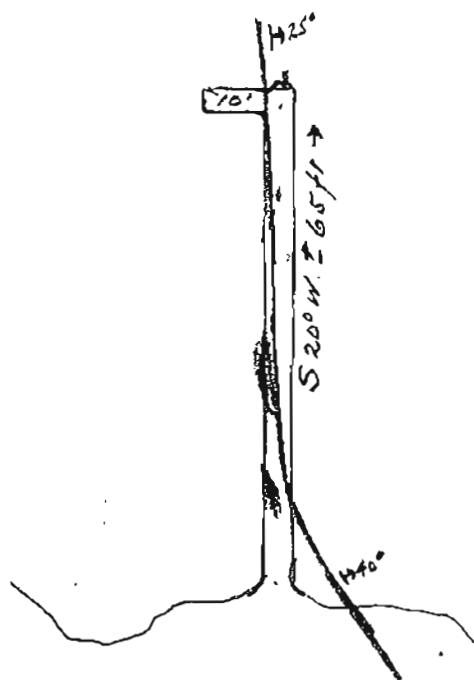
cut the fault but no ore was developed. The crosscut into the foot-wall of the fault plane is entirely in slate. The displacement of this fault does not appear to have been great, although the faulting was not worked out because of the unfavorable character and very limited extent of the deposit.

A very small prospecting type of mill was installed along side of the outcrop this summer. Selected ore from the open cut is crushed in a laboratory size jaw crusher, ground in an Ellis "Independence" Ball Mill, and the pulp passed thru a trough amalgamator. A 2 h.p. Witte gasoline engine provides the power. The capacity of the mill is very small for the operators state that they have milled but about 10 tons of ore this season. The amalgam recovered has not yet been cleaned and retorted, but judging from the statements made by the operators regarding the condition and approximate amount of amalgam obtained, the total gold recovery was probably not over \$150.00.

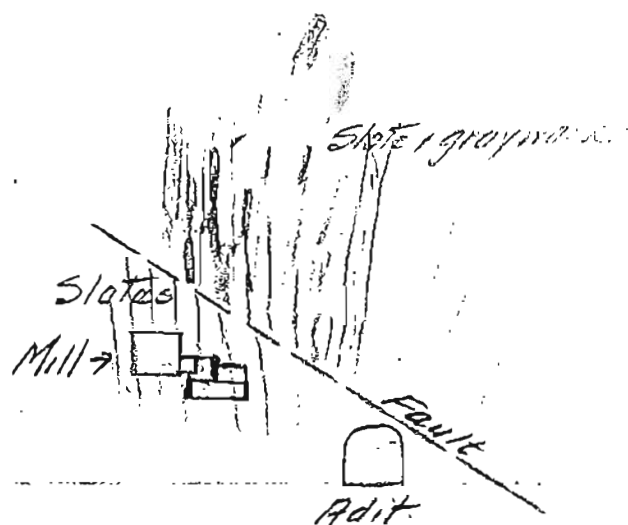
The deposit offers absolutely no encouragement for further development.

N. L. Wimmier,

October 8, 1926.



Plan of adit showing
fault and quartz



Face of open cut
showing
Fault, and position of
Adit and mill location
Not to scale.

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BENCH CREEK - MOOSE PASS DISTRICT

by N.W.W. Oct 8, 1926

General occurrence of quartz shown in red