

State Department of Geology and Mineral Industries

1069 State Office Building
Portland 1, Oregon

MAYFLOWER GROUP
(Bonanza Vein
Lincoln Vein)

Quartzville District
Linn County

Owner: Fred Johnson, Oswego, Oregon.

Location: Center sec. 23, T. 11 S., R. 4 E., on Dry Gulch one mile northeast of the Quartzville townsite.

Geology: The rocks in the area are predominantly tuff breccias and rhyolitic and basaltic lavas. There appears to be considerable faulting, and along many of these faults the sheared material, fault gouge, etc., have been silicified and replaced by quartz veins. The veins range in size from a fraction of an inch to seldom over 2 feet. Mineralization is limited to small sulphide ore shoots within the quartz vein material. A few of the mines in the district have reported considerable free gold, however this occurred in isolated pockets.

Bonanza Vein: The Bonanza Vein has been explored by three adits. (For more detail see U. S. Geological Survey Bulletin 893, p. 102-105.)

Mineralization in the Bonanza No. 2 Tunnel appears to be limited to a narrow vein of bluish quartz which is visible in the roof of the tunnel. This vein ranges in width from 2 inches to about 1 foot. Reported production of over a hundred thousand dollars was supposedly in the form of free gold. A sampling of this material taken at the mouth of the tunnel (P-24442) averaged 0.02 ounces of gold per ton and no silver. The No. 3 Tunnel, located above the No. 2 Tunnel, has caved in. Samples of the sheared quartz vein material in this tunnel ran 0.2 ounces of gold per ton in one sample (P-24443) and 0.09 ounces of gold in another (P-24444).

Lincoln Vein: The Lincoln Vein is located about one-third of a mile north of the Bonanza Vein. (See U. S. Geological Survey Bulletin 893, p. 104, for a map and description of the geology.)

The Lincoln Vein has been explored by two tunnels and one shaft. It supposedly carries a stringer of galena, however this could not be observed due to caving. A sample (P-24445) taken at the mouth of the tunnel contained a trace of gold and no silver.

Summary and conclusions: Although unverified reports claim a production of over a million dollars in gold from the Bonanza claims, official records can only substantiate about \$15,000. No production is reported for the Lincoln Vein. Samples taken during this investigation have revealed no commercial ore. This indicates that the average tenor of the ore is not commercial. The history of the Quartzville district is that of occasional strikes of valuable ore occurring in isolated pockets. It is not questioned that there are probably still many isolated pockets of gold ore as yet undiscovered, however looking for these is not a profitable venture.

Report by: H. G. Schlicker

Date of inspection: August 12, 1959