

0520 0010

PROPERTY NAME: Bellehelen (Merger Mine)  
OTHER NAMES: Ruby Claim #1  
MINERAL COMMODITY(IES): Ag, Au, Sb, Pb, Mo.  
TYPE OF DEPOSIT: Fissure vein  
ACCESSIBILITY: Fair roads from the west.  
OWNERSHIP: Cliffords of Tonopah  
PRODUCTION: District reported production \$217,000.  
HISTORY: Possibly as early as 1910. Major production  
before 1927.

(214) Item 16  
County: Nye  
Mining District: Bellehelen  
AMS Sheet: Tonopah  
Quad Sheet: Bellehelen 7½'  
Sec. 7, T 2N, R 50E  
Coordinate (UTM):  
North 4 2 1 0 2 8 5 m  
East 0 5 5 0 6 0 0 m  
Zone

DEVELOPMENT: A total of 2300 feet of workings which include a crosscutting adit two shafts about 360 feet deep and open stope.

ACTIVITY AT TIME OF EXAMINATION: None

GEOLOGY: All of the workings are in Tertiary rhyolite related to a caldera complex. Major structural controls are two closely spaced N75°E 70W shears cut by E-W trending fissures that contain narrow veins of cerargyrite and native gold in a ratio of about 50 to 1. Ore was reported to contain about 50 oz/ton Ag, or 1% Ag, 50ppm Au. The upper shafts appear to be the first workings followed later by the long N16°W adit that allowed for haulage and development of the veins at depth and to off load at the same level to the 50 ton cyanide mill that operated between 1922 and 1927. Remnants of the mill are still present in the canyon below the large crosscut that stands at the head of Neversweat Canyon. Sample 2730 was collected from the dumps serving the crosscut and the mill. Visible mineralization included quartz vein material with silver haloids and pyrite, some of which formed a matrix in a rhyolite breccia. Assay values were 1000ppm Ag, with lesser values for Pb, Sb and Mo. The older upper workings explored the exposed (discovery?) vein for over 200 feet along its E-W strike. The vein varies in width from a few inches to several feet, dipping about 75°N and containing wispy-gray streaks of silver mineralization in a silicified matrix. The western most shaft has been exhumed by an open stope while the first shaft to the east intercepts, the crosscut at the 360 level. Sample 2031 was chipped from the discovery vein in the vicinity of the open stope to the west. Assay values were 1500ppm Ag, 150ppm Pb and 200ppm Sb. Extensive drilling northwest of the upper workings.

REMARKS:

REFERENCES:

EXAMINER: Jack Quade

DATE VISITED: 10-15-85