

1630 0020

PROPERTY NAME: Horseshoe Mine

OTHER NAMES: _____

MINERAL COMMODITY(IES): Au, Ag, minor Cu?

TYPE OF DEPOSIT: Epithermal/Vein

ACCESSIBILITY: _____

OWNERSHIP: _____

PRODUCTION: Exceeds 39,300 tons of ore worth \$269,000 produced
 between 1900 & 1902. (Tschanz & Pampeyan, 1970).

County: Lincoln

Mining District: Eagle Valley

AMS Sheet: Caliente

Quad Sheet: Deer Lodge Canyon 7 1/2'

Sec. 30, T 1N, R 71E

Coordinate (UTM):

North 4,199,880 m

East 0,757,600 m

Zone +11

DEVELOPMENT: Three very large shafts as shown on map. Shafts are very deep & interconnected. Remains of mill with rock foundation. Large tailings pile in drainage south of shafts. Drill roads (probably 5 years or older) explore south end of vein, south of millsite.

ACTIVITY AT TIME OF EXAMINATION: Altho drill roads are fairly old, there are signs of recent sampling (flagging) of dump material.

GEOLOGY: Shafts are very deep and are fenced off. The sides of shafts are telescoped & slumped. No structure was observed but N-S line-up of workings indicate a N strike to the vein as is typical for the district.

Dumps are large & contain rocks typically seen in other parts of the district. The dumps are mainly composed of greenish altered andesite, quartz-cemented andesite breccia, quartz breccia, quartz (adularia) vein, & calcite vein. The andesites are propylitized & pyritized. More thoroughly altered samples are bleached, argillized & Fe-stained. Andesite breccia is commonly cemented with quartz, calcite or quartz after calcite.

Abundant quartz vein material is found on the dumps. In general the veins range in appearance from crustiform, fissure fillings to massive, prismatic or sugary, banded veins with small vugs & cavities filled with drusy quartz, clay minerals & possibly some Fe & Mn oxides. Some of the fine-grained quartz vein material has a sugary texture or is composed of banded chalcedonic quartz & has a light green color possibly imparted by the addition of banded fluorite or tourmaline. Vein widths range anywhere from several feet to less than 1" across, with the more massive veins being generally wider than the open centered fissure veins & veinlets. The vein material contains clots oxidized sulfides, mostly pyrite & possibly minor chalcopyrite.

REMARKS: Sample 1729.

REFERENCES: Tschanz & Pampeyan, 1970, NBMG Bull. 73, p. 161.

EXAMINER: Bentz/Smith

DATE VISITED: 9/19/83