

4820 0010

PROPERTY NAME: Empress Mine
 OTHER NAMES: Central Mine
 MINERAL COMMODITY(IES): Au, Ag
 TYPE OF DEPOSIT: Vein
 ACCESSIBILITY: See map, road good
 OWNERSHIP: Unknown
 PRODUCTION: Unknown, but reportable
 HISTORY: Unknown

County: Esmeralda
 Mining District: Tokop
 AMS Sheet: Goldfield
 Quad Sheet: Gold Point 7 1/2'
 Sec. 7, T 8S, R 42E
 Coordinate (UTM):
 North* 4 1 2 4 2 0 0 m
 East 0 4 7 2 8 0 0 m
 Zone +11

DEVELOPMENT: Series of at least 8 adits, peripheral surface workings, remains of mining equipment, cabin

ACTIVITY AT TIME OF EXAMINATION: None, but recently dozed

GEOLOGY: Workings are series of adits along an E-W trend along a north-northeast facing ridge. Host rock quartz monzonite of Sylvania Pluton (Tertiary-Jurassic). Intrusive highly fractured and sheared and jointing dips S. No vein was observed in upper workings, in the lower adits, quartz vein was observed following the joints. Jointing appears to be striking E-W. Quartz vein is both massive and crystalline, Fe stained, and coated with bluish hyalite, mammillary. Fresh sulfides (pyrite, tetrahedrite) were observed on the dumps, but not in outcrop. Chalcocite and malachite was observed in the drainage. Some of the quartz has euhedral crystals growing in open spaces, double terminations, and intergrown. The system appears to have been flooded with silica at least twice. The intrusive was coated with a greenish-yellow oxide (chloritized?). Vesicular basalt caps the ridge where the workings were and the ridge to the east.

REMARKS: Sample Site 1190 4124200N 0472800E
1191 4124050N 0472760E
1192 4124033N 0472900E

REFERENCES:

EXAMINER: Smith/Bentz

DATE VISITED: May 7, 1983