

3770 0017

PROPERTY NAME: Blue Belle Mine

OTHER NAMES:

MINERAL COMMODITY(IES): Cu, Pb, Zn(?), pyrite

TYPE OF DEPOSIT: Skarn (replacement), quartz vein, dike

ACCESSIBILITY:

OWNERSHIP: Not known but Homestake & Amax lease more than 5,000 acres in heart of district.

PRODUCTION:

HISTORY: See CRIB

County: Elko

Mining District: Railroad

AMS Sheet: Winnemucca

Quad Sheet: Carlin 15'

Sec. 4, T 30N, R 53E

Coordinate (UTM):

North 4 4 8 5 6 5 0 m

East 0 5 8 3 3 0 0 m

Zone +11

DEVELOPMENT: Road up drainage cuts across old adit dumps. Most adits are caved & are on west side of drainage. The Blue Belle Mine has a large dump, is open & trends south. Drill roads are located above workings.

ACTIVITY AT TIME OF EXAMINATION: Amax will continue exploratory drilling in the heart of the district on June 15. The district was also drilled last summer.

GEOLOGY: The Blue Belle Mine begins in a fractured zone in red-brown quartzites. On the east side of the portal the quartzites are cut by slightly vuggy quartz veins.

Most of the dump is composed of unmineralized, fine-grained, beige colored quartzite. However malachite, chrysocolla, pyrite, chalcopyrite & hemimorphite(?) are found as replacement minerals in silicified quartzites & limestones found on the dump. The quartzites responded to metasomatism differently than the limestones. Often, the quartzites are cut by white, vuggy quartz veins which are about 1-3" in width. The veins contain coarse clots of galena, pyrite & azurite. The carbonate rocks were silicated to a blue-green colored skarn. The skarn contained abundant CuOxs & pyrite, in addition to FeOxs & clots of sericite. Some siliceous gossan on dump contained coarse clots of pyrite & bornite.

Quartz diorite float was observed about 100 yards NW of the mine. USGS Map I-1028 shows several intrusive bodies & faults in this area. The host rocks are probably the Chainman Shale & Devils Gate Limestone.

REMARKS:

Sample - 169 A - Mineralized quartzite & quartz vein.
169 B - Skarn with copper & sulfides

Photos.

REFERENCES:

EXAMINER: Bentz

DATE VISITED: 6/7/82