

1280 0033
PROPERTY NAME: Cortez Silver Mine (Artic Tunnel)
OTHER NAMES: Arctic Tunnel (name given in USGS Bull. 1175)
MINERAL COMMODITY(IES): Cu, Au?, Ag?, Sulfides
TYPE OF DEPOSIT: Vein, replacement, contact
ACCESSIBILITY: Accessibility to this mine is hampered by newly
constructed haul road to Horse Canyon
OWNERSHIP: Claims are patented.
PRODUCTION:
HISTORY:

County: Eureka ⁽¹⁰⁹⁾ Item 31
Mining District: Cortez
AMS Sheet: Winnemucca
Quad Sheet: Cortez 15'
Sec. 8, T. 26N, R. 48E
Coordinate (UTM):
North 4 4 4 3 5 5 0 m
East 0 5 3 5 2 0 0 m
Zone +11

DEVELOPMENT: One large, timbered adit in limestone striking N20E at portal.

ACTIVITY AT TIME OF EXAMINATION: No obvious current activity.

GEOLOGY: The steep cliff face above Garrison Mine (to the north) & Artic Tunnel is composed of an almost complete section of east-dipping, eastern facies carbonate rocks which comprise the lower plate of the Roberts Mtn. Thrust in this area. The adit begins in bedded dolomites of the Cambrian Hamburg dolomite.

The timbered adit is extensive as indicated by the voluminous amount of dump material. The rock on the dump is mostly dolomite & some quartzite. The dolomite is dark grey & recrystallized. Much of the dolomite is unmineralized (waste rock) but some quartzite & carbonate rock found on dump is silicified & contains pyrite.

At the far end of the dump we found completely silicified & quartz veined carbonate rock which contains tetrahedrite?, chalcopyrite, pyrite & CuOxs. The sulfides are concentrated near the borders of irregular white quartz veins but they are also disseminated throughout the replaced host. Some intrusive rock was also found on dump in this area. The intrusive is equigranular, medium-grained & altered to clays & chlorite (propylitized). The intrusive rock was probably derived from dikes intercepted within adit.

Part of the sample showed strange green oxides possibly after arsenic or Ag Cl.

REMARKS: Sample 1555- Mineralized quartz replaced carbonate & quartz vein.

Photos.

REFERENCES: USGS Bull. 1175 (1965)

EXAMINER: Bentz/Smith

DATE VISITED: 7/13/82