1180 0007

(166)

PROPERTY NAME: Comet Mine

OTHER NAMES:

MINERAL COMMODITY(IES): Pb, Zn, Cu, W, Ag?

TYPE OF DEPOSIT: Vein

ACCESSIBILITY: Main access road has locked gate, but there are other ways...

OWNERSHIP: Private Property, mine is patented.

PRODUCTION: See county report.

HISTORY:

County: Lincoln Item 8

Mining District: Comet

AMS Sheet: Caliente

Quad Sheet: Highland Peak 7 1/2'

Sec. 5? , T 1S , R 66E

Coordinate (UTM):

North 4|1|9|6|1|0|0 m

East 0|7|0|9|9|5|0 m

Zone +11

DEVELOPMENT: Several shafts; main shaft is vertical with headframe & hoist house. Tracks, large dumps & millsite lie nearby & below (downslope) shaft. Extensive area of bulldozer work (possibly drill roads) located on west flank of Highland Range E & NE of Comet Mine.

ACTIVITY AT TIME OF EXAMINATION: None, but some recent roadwork at minesite indicates renewed & continued interest in the property.

GEOLOGY: Rubbly outcrops of Cambrian Prospect Mountain Quartzite underlie & surround minesite. The quartz veins are no longer exposed at surface (covered by wasterock) but reportedly the main vein strikes N60E with a steep dip to NW & eventually pinches out about 150' east of the main shaft as it enters the Pioche Shale (Westgate & Knopf, 1932, p. 75). Average thickness of the vein is estimated at 4-6'.

Most of the large dumps at the minesite are wasterock consisting of pink, well-sorted fine-medium grained, laminated &/or micaceous PM quartzite, in addition to more minor amounts of reddish silicified siltstone & shale. Some oxidized pyrite is disseminated throughout rocks.

The mineralized rock on dumps consist of massive to sugary, white to vitreous grey quartz vein. Vein consists mainly of parallel sets of veins giving a banded, fissure appearance. Some late-stage vuggy &/or open centered vines & veinlets cut more massive vitreous veins. The veins, especially the Fe-stained, vuggy variety, contain fine to coarse clots & stringers of pyrite, chalcopyrite, galena, sphalerite, & Cuoxs in addition to minor bornite, chrysocolla & malachite. Dark greenish brown clots and coarse tabular crystals of heubnerite/ferberite(?) (Possible chlorititized amphibole?) also occur in vein material; wolframite is the productive W mineral from this locality. Pyrolusite is intergrown with sulfides & sulfide-bearing rock is coated by yellow-green oxides & Fe & Mnoxs. Pods of coarsely crystalline galena & sphalerite weather out on dump. Some of the galena is very finely crystalline. Clots tetrahedrite also observed.

REMARKS: Sample 1440 - Quartz vein with sulfides.

REFERENCES: Westgate & Knopf, 1932, USGS PP 171.

EXAMINER: Bentz/Smith

DATE VISITED: 8/26/83