

2840 0005

Lincoln Co. general Term 15

PROPERTY NAME: Sample location 129

County: Lincoln
Mining District: Little Mtn.

AMS Sheet: Caliente

Quad Sheet: Mosey Mtn. 7½'

Sec. 36, T 3S, R 68E

Coordinate (UTM):

North 4 1 6 9 1 1 0 m

East 0 7 3 5 4 6 5 m

Zone +11

OTHER NAMES:

MINERAL COMMODITY(IES): Cu, minor sulfides, Pb?

TYPE OF DEPOSIT: Fracture zone, dike, skarn

ACCESSIBILITY:

OWNERSHIP:

PRODUCTION:

HISTORY:

DEVELOPMENT: Main working is 30-40' vertical shaft with headframe. Shaft is in good condition with ladder. Shallow prospects and trenches are located nearby along fault zone to NW & SE of shaft.

ACTIVITY AT TIME OF EXAMINATION: None, not for a long time.

GEOLOGY: The shaft is sunk on a N80W, high-angle (vertical) fracture zone in igneous rock. Two main rock types occur at the minesite: A finely crystalline dark grey-green dacite; & A porphyritic andesite. The dacite has scattered random phenocrysts of quartz set in a dark, siliceous, aphanitic groundmass. The andesite has coarse crystals of hornblende & plagioclase which are silicified & chloritized. It is possible the rocks are interbedded flow rocks or that the finely crystalline dacite is a dike which has intruded the porphyritic andesites along a pre-existing fracture zone. Exposures are fairly poor and rock relationships not easily determined.

The fracture zone is best exposed in the collar of the shaft as the surrounding area is covered by andesite rubble. The fracture zone is marked by Cu & minor FeOxs. West & East of the shaft, shallow prospects expose propylitized andesites which have fracture or flow bedding surfaces striking N10W, 45E-NE. A small prospect about 15' (N)W of shaft exposes an outcrop of fractured and altered dacite and andesite. Fracture surfaces of the rock are coated by malachite, epidote and minor Fe & MnOxs.

Sample 129 collected from the shaft dump consists of malachite coated, silicified mafic intrusive (?) rock and dense, mineralized skarn composed of epidote, red garnet(?) with pods of coarse siderite & glassy quartz & abundant copper minerals. The sample is coated by FeOxs, Cuoxs clays and white powdery calcite. Finely disseminated, oxidized sulfides were observed in addition to oxidized clots of pyrite, chalcopryite, tetrahedrite or chalcocite? Some specularite also noted. Mineralized vein materials is quite heavy. Possibly minor galena also.

According to County geologic map, the workings are located along the northern edge of a Tertiary diorite stock which intrudes older volcanic rocks & evidently Paleozoic limestones (i.e. skarn).

Sample 129.

REMARKS:

REFERENCES: Tschanz & Pampeyan, 1970, NBMG Bull 73, Geologic map of Lincoln Co., NV.

EXAMINER: Bentz/Smith

DATE VISITED: 8/19/83