4950 0024

(79) Item 25

PROPERTY NAME: Modoc claims

OTHER NAMES: Rose Hill #1

MINERAL COMMODITY(IES): Ag?, Au?

TYPE OF DEPOSIT: Veins, shear, contact(?)

ACCESSIBILITY:

OWNERSHIP: Plat shows complicated overstaking in this area. Old Modoc & Rose Hill claims found on ground but not on plat.

PRODUCTION:

HISTORY:

County: Elko

Mining District: Tuscarora

AMS Sheet: McDermitt

Quad Sheet: Tuscarrora 15'

Sec. 4, T 39N, R 51E

Coordinate (UTM):

North 4 5 7 2 5 0 0 m

East 0 5 6 2 9 0 0 m

Zone +11

DEVELOPMENT: Numerous old workings are present here more than shown on map. One caved, west-trending adit is located by the road. Upper workings consist of shallow south-west inclined shafts. Drill roads located to the S & W of old workings ar 5-10 years old. Placer ~~ACTIVITY AT TIME OF EXAMINATION:~~ mounds lie in drainage east of Battle Mtn.

Activity at time of examination: None.

GEOLOGY: At sample location 193, we find a silicified , white-colored, volcanic breccia* exposed in a shallow inclined shaft. The breccia is cut by 1/2-1" wide, vuggy, Fe-stained quartz veins which occur along prominent, closely spaced fractures which strike N20W, 60 SW. The fracturing follows a north-directed fault which has provided an easy route for late-stage vein material.

Above the sample location a shaft is inclined along bleached, silicified (Adv. argillic) andesite tuffs & flows. The flows from beds which are 1-2' wide & strike N5E, 60W. Many of the rocks are cut by stockworkquartz veinlets which have, in turn, been cut by vuggy, 1/2-1" wide quartz veins. Quartz also acts as cement in a breccia composed of angular volcanic fragments which have previously been cut by fine siliceous veinlets. In other words, several periods of quartz veining are presented in these rocks. A light pink feldspar-looking mineral occurs near some of the veins in the altered volcanic. THis mineral is probably adularia. Pyrite occurs in Fe-filled vugs within the breccia & hematite & manganese stain most frac ture surfaces.

The origin of the host rocks in this area is difficult to determine because of faulting & intense alteration. The area probably contains a mixture of intrusive & extrusive (pyroclastic breccias & lava flows) rocks. Some lower dump samples were found of a relatively unaltered andesite which contained plagioclase & hornblende phenocrysts set in a dark green medium-grained matrix. This rock is probably intrusive in origin. It is notable in that it contains vug fillings of prismatic quartz.

REMARKS: Sample 193

Photo.

* Possibly a pyroclastic breccia, may possibly contain fragments of highly altered pumice.

REFERENCES:

EXAMINER: Bentz/Smith

DATE VISITED: 7/6/82