1630 0011

(168)

PROPERTY NAME: Fortuna & Helen Claims

OTHER NAMES: Delta B claims

MINERAL COMMODITY(IES): Au, Ag, Pb?

TYPE OF DEPOSIT: Vein, breccia fill

ACCESSIBILITY:

OWNERSHIP:

PRODUCTION:

HISTORY:

County: Lincoln Item 11

Mining District: Eagle Valley

AMS Sheet: Caliente

Quad Sheet: Deer Lodge Canyon 7 1/2'

Sec. 24, T 1N, R 70E

Coordinate (UTM):

North 4 1 2 0 2 5 4 0 m

East 0 7 5 6 1 2 0 m

Zone +11

DEVELOPMENT: Several old workings in area are now obliterated by recent bulldozing of ridge area. Workings examined are two, N70W - trending inclined shafts, 1 caved, 1 open, which explore vein structure.

ACTIVITY AT TIME OF EXAMINATION: Surface exploration of area (trenching, scraping) probably occurred this spring or summer (1983). Evidence of geochemical sampling of vein outcrop.

GEOLOGY: Narrow ridge is underlain by resistant rib of quartz & calcite vein, quartz & calcite vein breccia, & brecciated & veined volcanic host rock. The host rock is now thoroughly altered but was probably originally andesitic in composition. (Andesite float & rubble cover portions of ridge). The shafts are inclined along quartz-calcite vein which has a strike & dip of N20E, 50-60 NW. Vein is quite resistant & siliceous in its upper part & is geomorphic control of ridgeline.

Exposed vein outcrop is about 20' wide. Calcite (black & white) & siderite dominate the vein composition in the lower portion with an increase of silica toward the top. The top of the exposed outcrop has a rubbly "bull quartz" (massive texture) appearance. The lower contact of the explored vein is exposed in the caved shaft. The contact appears brecciated & contains fragments of argillized (kaolinized) andesite.

Much of the vein is composed of sugary to massive white quartz. Pods of veinlets of brown siderite & white calcite are common. Some portions of the vein are brecciated & indeed vein may just be part of a larger zone of brecciation. In fact, some quartz vein material in the area is itself brecciated & recemented by silica. Also vuggy, cockscomb quartz veins about 1" in width crosscut fragments contained in volcanic breccia cemented by chalcedonic quartz. The fragments in the breccia are andesitic (relict plag observed) & lesser amounts of rhyolite. Some fragments show multiple brecciation textures & almost all the fragments contain fine to medium crystalline cubes of partially oxidized pyrite. The most altered fragments are completely replaced by silica & Feoxs. However, in general, the actual vein material is manganosiderite. Dense, dark calcite may indicate presence of dispersed sulfides (possibly Pb?).

Area is recent site of exploration activity & possibly future drill site.

REMARKS: Sample 1725.

REFERENCES:

EXAMINER: Bentz/Smith

DATE VISITED: 9/19/83