

1630 0027

PROPERTY NAME: Keno Claims

OTHER NAMES: Delta? Claims

MINERAL COMMODITY(IES): Au?, Ag?

TYPE OF DEPOSIT: Epithermal vein & breccia fill

ACCESSIBILITY:

OWNERSHIP: D. Burgess

PRODUCTION:

HISTORY:

County: Lincoln

Mining District: Eagle Valley

AMS Sheet: Caliente

Quad Sheet: Deer Lodge Canyon 7 1/2'

Sec. 30, T 1N, R 71E

Coordinate (UTM):

North 4121010181210 m

East 0171516171810 m

Zone +11

DEVELOPMENT: Double portalled adit (sample location 1709). Adits trend E-W & N-S. Inclined shaft(raise?) lies above adits connecting with E-W adit. Recent roadwork & surface exploration in area. No activity noted across drainage to north in vicinity of NW-trending. Adit shown on map. ACTIVITY AT TIME OF EXAMINATION: Property actively explored in last year or less. Underground workings recently examined & sampled. Portal area is bulldozed as are dumps in front of portal.

GEOLOGY: Double portalled adit at head of drainage begins in massive siliceous outcrop of quartz-veined volcanic & quartz-cemented (volcanic) breccia. Rubbly outcrops of quartz-cemented breccia continue for at least 100' above lower adit (sample location 1709). Outcrops consist of interlocking network of cockscomb, prismatic, banded & open-centered sugary white quartz veins & veinlets which cement light purple andesite-dacite? volcanic breccia fragments. The fragments are intensively silicified & hydrothermally altered. The fragments are light purple in color with an aphanitic groundmass which contains clay & Fe-altered phenocrysts of plagioclase & chloritized hornblende(?) crystals. Quartz composes more than 50% of the breccia zone with veins as wide as 1' & averaging 1/2" in width. Quartz after calcite is very common. Oxidized pyrite occurs in the fragments & in vein material. Some fragments are cut by early-stage vitreous quartz veinlets. Some of the vein material is light green & pink in color & may contain fluorite &/or adularia.

The N-S trending adit follows a vertical shear zone. Entire outcrop at portal is silicified, sheared & veined & may indicate several shear zones intersect here. Some veins follow N-S shear but many others cross-cut zone. Obviously there are several stages of pre & post-mineral faulting & veining represented here.

Shaft above lower E-W trending adit follows an Fe-stained shear zone which strikes N10E, dips 65NW & is about 3-4' in width.

Rock on dump consists of a dacite(?) quartz-cemented breccia. The quartz is massive to crystalline, forms drusy encrustations on fragments & prismatic quartz crystals line cavities. Silicified volcanic rock fragments show vitreous quartz veinlets which predate main brecciation episode. Late-stage veins have open centers, are wider, & appear barren of mineralization. Rocks are heavily stained by Fe & Mn oxides, & also show greenish & yellow oxides (Fe? As?). Gossan & clay zones are common in breccia, as is oxidized pyrite. Massive calcite & siderite veins common as is Fe-stained quartz after calcite pseudomorphs. Also "quartz calcite" fragments occur in breccia. (Note-Black obsidian occurs as float in area)

Sample 1709 - Collected from outcrop near N-S portal.

REFERENCES:

Bentz/Smith

9/14/83

EXAMINER:

DATE VISITED: