

1370 0013

PROPERTY NAME: Jumbo Mine

OTHER NAMES: Horn

MINERAL COMMODITY(IES): Au, Ag, Cu, Ba, Zn?

TYPE OF DEPOSIT: Vein

ACCESSIBILITY:

OWNERSHIP:

PRODUCTION:

HISTORY:

County: Lincoln

Mining District: Delamar

AMS Sheet: Caliente

Quad Sheet: Delamar 7 1/2'

Sec. 1, T 6S, R 64E

Coordinate (UTM):

North 4, 1, 4, 7, 9, 8, 0 m

East 0, 6, 9, 7, 9, 2, 5 m

Zone +11

DEVELOPMENT: A series of inclined shafts & stopes, mostly caved, along vein structure. Adit at north end follows most productive vein worked, but this working not examined closely.

ACTIVITY AT TIME OF EXAMINATION: None.

GEOLOGY: Medium to thick-bedded, pink quartzites of prospect Mtn. Fm. are host rocks for deposit. The quartzites are laminated, contain pebbly horizons & are veined by random, open-centered, comb quartz veins & veinlets which have average widths of 1-2". Above (East of) the workings, the quartzite beds strike N45E & dip 20 SE. A few, small rhyolite dikes are mapped along SE extension of vein (Callaghan).

Stopes & shafts explore N20E, 70NW quartz vein in the quartzites. The vein consists of quartz-cemented quartzite breccia. The footwall of vein forms a bold, resistant outcrop which can be traced for 1-1,500'. The shear rock face is silicified, Fe-stained & shows quartz veins & quartz-cemented quartzite breccia zones which contain angular fragments of quartzite. The mined portion of the breccia zone has a rubbly or bouldery appearance. Breccia zone is truncated(?) at north end by fault(?) which runs up Delamar Canyon.

Dump rock mostly consists of quartzite & quartz vein. Some siltstone also present. White comb & prismatic quartz encrusts quartzite & micaceous, green siltstone fragments. The breccia shows open, [euhedral], quartz-filled vugs between fragments. Some vein contains (minor) pyrite, chalcopryrite, Cuoxs, tetrahedrite?, white barite (rocks very dense) & gossany portions. Sphalerite is reported but none was observed. Callaghan notes that the most productive vein at the Jumbo Mine strikes N15W & dips 68°W. This vein, explored by the northern & southern adits, may be the same as vein described above or stoped vein is another north east-striking mineralized zone at this locality which he described as "shattered" quartzite with quartz veins that carry sulfides & barite.

REMARKS: Sample 1754

REFERENCES: Callaghan, 1937, University of Nevada, Bull., v. 31, no.5.

EXAMINER: Bentz/Smith

DATE VISITED: 9/30/83