1370 0018

(167) Item 21

PROPERTY NAME: April Fool Mine

OTHER NAMES:

MINERAL COMMODITY(IES): Au, Ag, Cu

TYPE OF DEPOSIT: Vein/fault(?)

ACCESSIBILITY:

OWNERSHIP:

PRODUCTION: 2nd largest producer in district

HISTORY:

County: Lincoln

Mining District: Delamar

AMS Sheet: Caliente

Quad Sheet: Delamar 7½'

Sec. 1, T 6S, R 64E

Coordinate (UTM):

North 4148010 m

East 0697580 m

Zone +11

DEVELOPMENT: 1 N35W trending adit which turns to the NE 15' beyond portal. Stopes & shafts continue several hundred feet up & down slope from adit along vein structure. Many drill roads in area probably 5-10 years old. Remains of track & old stone cabin at adit level.

ACTIVITY AT TIME OF EXAMINATION: Backhoe trenching of dumps & sorting of material near workings indicates rock was examined for feasibility of reworking. Trenching & sampling probably completed 1-2 years ago.

GEOLOGY: The main feature of the mine is the presence of a conspicuous, silicified rib of quartz cemented quartzite breccia & white quartz vein which outcrops boldly along ridgeline adjacent to workings. The strike of the vein is N30E with a dip of 70°W. Its width is about 10-20'. Raise above adit (sample location 1751) explores the vein & exposes a 2-3' wide zone of above orientation which is Fe-stained & shows sub-parallel sets of quartz veins which cut a highly siliceous, quartzite breccia. On close examination, the vein outcrop consists of an Fe-stained quartzite breccia cemented with jaspery silica or more massive, vitreous, cockade or comb quartz. Some wider, massive, late-stage quartz veins crosscut breccia parallel to vein outcrop.

Upper workings (Sample location 1752) are a fairly continuous line of shafts & stopes, often inclined to west along dip of vein. The vein outcrops boldly adjacent & west of workings & continues upslope from this sample locality for several hundred feet. The sampled stope trends N10-20E & dips 75(N)W along vein. At the south end of stope the vein outcrop consists of pink, angular quartzite fragments cemented by comb & drusy quartz. Prismatic quartz encrusts vugs as do fine crystals of late-stage jarosite. Dark bands in the quartz are very fine-grained sulfides; the only recognizable mineral is oxidized pyrite. Fe & Mnoxs are common. Part of the vein consists of fractured quartzite & malachite is deposited along fine fracture surfaces in the quartzite & also in the vein material. Several samples of quartz vein in outcrop & dump contain coarse clots of tetrehedrite (mostly oxidized to Cuoxs) & abundant oxidized pyrite.

REMARKS: Samples: 1751 - taken from lower shaft/adit combo
1752 - taken from upper stope.

REFERENCES:

EXAMINER: Bentz/Smith

DATE VISITED: 9/30/83