

5050 0007

PROPERTY NAME: Viola Claims

OTHER NAMES: _____

MINERAL COMMODITY(IES): Cu, Pb, BA, possibly F?, Ag?TYPE OF DEPOSIT: Replacement vein; bedding & fracture controlled.

ACCESSIBILITY: _____

OWNERSHIP: See Johnnie Mine

PRODUCTION: _____

HISTORY: _____

County: Lincoln *Item 8*Mining District: ViolaAMS Sheet: CalienteQuad Sheet: Blue Nose Peak 7½'Sec. 19, T 8S, R 69E

Coordinate (UTM):

North 4 1 2 4 2 7 0 mEast 0 7 3 8 4 1 0 mZone +11DEVELOPMENT: Several shafts (some inclined) & minor prospects along small ridge.ACTIVITY AT TIME OF EXAMINATION: Evidence of recent sampling of dump.

GEOLOGY: At sample location 1732 there is a 15' deep shaft, which explores a 3' wide fracture/replacement zone in medium (< 1') bedded, crystalline grey limestones mapped as the Mississippian Monte Cristo Limestone (County Geologic map). At minesite, the limestone beds dip about 20° to the west. The fracture zone strikes N55W & dips to the NE. Rock sampled from the dump is gossany vein material which consists of a porous, Mn-rich mass of silica & calcite containing some euhedral barite crystals, green & yellow oxides (Pb?, As?, Sb?), coatings & pods of manganese & minor Cuoxs. Some minor galena (very fine-grained) & other unoxidized, fine-grained metallics also noted. The rocks (vein) are generally brecciated.

Sample site 1733 is a shaft inclined to W along bedding plane in bleached, tan, silty carbonate rocks. The limestone is locally recrystallized, silicified & Fe-stained. An oxidized replacement deposit which conforms with the bedding of the host rock is exposed in the shaft. The replaced zone & bedding strike & dip N20E, 40W(NW). The replaced horizon is about 1-2' in width at its northern exposure in shaft & pinches to several lenses a couple inches in width toward the south. The zone appears to coincide with a more sandy, porous horizon in the limestone unit. It is characterized by heavy Fe-staining & in its central portion contains coarse bladed crystals of barite cemented by a porous gossany mixture of silica, calcite & Feoxs. Gossany & porous calcite/barite/silica vein material on the dump contains very finely crystalline galena & fluorite (?) & also possibly some tetrahedrite. Azurite & malachite are found as coatings in minor amounts. Yellow & green oxides are present. Although the material is oxidized, remnant cores of sulfides still exist. The rock on this dump showed better mineralization than the other two localities.

The shaft shown on map just north of sample site 1733 is inclined steeply to the NE

REMARKS: along a fracture (replacement) zone developed in dark grey, medium to thickly bedded limestone. The fracture zone is about 3' in width & strikes N70W, 70 NE. The rocks within the zone are bleached, finely crystalline & coated by limonite. The only mineralized rock on the dump was bleached, pyritized limestone.

Some volcanic rock was found in float below sample site 1732. No intrusive rock was observed. The limestones are exposed in erosional window surrounded by an extrusive pile of Tertiary volcanics, the dominant rock type of the southern Clover Mtns.

Samples 1732.

1733

REFERENCES: NBMG Bull. 73.EXAMINER: Bentz/SmithDATE VISITED: 9/21/83