1180 0009

(166) Item 10

PROPERTY NAME: Schodde Mine

OTHER NAMES: Lyndon Mine

MINERAL COMMODITY(IES): Ag, Pb, Zn, BA?

TYPE OF DEPOSIT: Replacement; bedded

ACCESSIBILITY:

OWNERSHIP:

PRODUCTION: HISTORY: See Co. Report.

County: Lincoln

Mining District: Comet

AMS Sheet: Caliente

Quad Sheet: Highland Peak 7 1/2'

Sec. 9?, T 1S, R 66E

Coordinate (UTM):
North 4 1 9 5 0 5 0 m
East 0 7 1 1 2 8 0 m
Zone 11

DEVELOPMENT: Several openings & drifts fanning out along horizontal replacement bedding plane. One short shaft in center of drifts. Several shallow shafts & prospects of lesser extent on hillside above main mine.

ACTIVITY AT TIME OF EXAMINATION: Property is currently inactive, but jeep trail & mine dumps were reworked probably 5 years or so ago.

GEOLOGY: Workings consist of interconnecting openings & drifts on outcrop of ore. Workings are relatively horizontal & explore a 10-15' thick replacement bedding horizon in limestones of the Cambrian Lyndon Limestone or possibly within the Pioche Shlae. The bedding is generally horizonal with slight inclination of 5-10° to E. The host rocks at minesite are medium to thickly bedded, argillaceous, marly, grey, grey-brown & yellowish tan in color. Some of the limestone is recrystallized &/or shows algal featrues. Massive limestone cliffs (Highland Peak?) lie several hundred feet above main working & shales (Chisholm?) outcrop 50-80' upslope from main working, probably indicating mines are in upper Lyndon Limestone.

The explored horizon is charcterized by light red hematite, limonite and sparse Mnoxs The ceiling of the workings consists of marly orange-brown limestone which is finely crystalline & contains pockets of limeonite, lenses of Fe & Mnoxs, & random calcite veins & veinlets. The mined portion of the rock (replacement horizon) is dark brown, more coarsely crystalline & marly in appearance. Sample 1438 consists of dark red-brown limestone of this type with irregular, white. vuggy calcite veins & containing galena & pryite (Sample 1438A). The sulfides are generally very fine-grained. The rocks are quite dense, possibly due to fine-grained, disseminated sulfides or barite. Some specularite noted on fracture surfaces, also some silicification of wallrock.

Evidence of shearing or brecciation along bedding plane is visible within working, indicating replacement may have partially been controlled by bedding plane fault. Other factors for mineralization, according to literature sources, are the Schodde fissure (N70E strike) & lamprophyre dikes, some which reportedly contain galena (Westgate & Knopf, 1932).

Sample 1438B was collected from the dump of shaft above main working. Shaft is about 15' deep & is developed in thin-medium bedded limestone. The sample is similar to 1438A; ie. limonitic & Mn-rich & contains yellow sphalerite(?), pyrite & abundant Fe & Mnoxs.

~~REMARKS~~ Shales & limey USBM drilled Lyndon Gulch area in 1947 (Trengrove, 1949).

Strat in Lyndon Gulch

Samples 1438 A&B

Highland Peak-blocky, rubbly light grey Limestone.
chisholm-red-brown shale
light grey Lyndon
dark grey Limestone
Pioche shale (thick unit)

REFERENCES: Westgate & Knopf, 1932, USGS PP171, p. 75.; Trengrove, R.R., Sept. 1949, USBM RI 4541

EXAMINER: Bentz/Smith

DATE VISITED: 8/26/83