CRIB UPDATE 10/84

1250 0007

(49) Item 7

PROPERTY NAME: Cornucopia Mine

OTHER NAMES: Leopard Mine

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

TYPE OF DEPOSIT: A Quartz veins emplaced along faults Epithermal

ACCESSIBILITY:

OWNERSHIP: Center of district is patented. Claims in the area of main workings owned by James Dodge, Roy Pike & Standard Ag, Inc.

PRODUCTION:

HISTORY:

County: Elko

Mining District: Cornucopia

AMS Sheet: Mc Dermitt

Quad Sheet: Wilson Reservoir 15'

Sec. 18, T 42N, R 51E

Coordinate (UTM):
North 4598100 m
East 0559000 m
Zone +11

DEVELOPMENT: Shafts are caved & area around mines is covered by reworked waste dumps. Remains of millsite are located above shaft, in addition to modern trailer & core shed. Drill roads cover hillside south & east of millsite & in vicinity of old shafts. On road north of mine we noted several areas of staking.

ACTIVITY AT TIME OF EXAMINATION:

None, but property is probably active sporadically.

GEOLOGY: Main dumps below millsite consist of a mixture of quartz vein, silicified andesite & quartz vein/andesite breccia. All samples contain dispersed sulfides, mostly pyrite. Sample 1599A was collected from the main dumps. It contains vitreous grey quartz vein, some with a banded appearance, & showing Fe-stained vugs & dispersed sulfides. Some argillized andesite with clots & lenses or veins of fine-grained pyrite & some Fe-silica cemented quartz vein breccia was also included in sample. The andesite host has a porphyritic texture (intrusive?) with plagioclase phenocrysts set in an altered grey to light green, crystalline matrix.

The caved stope behind the millsite exposes bleached, argillized (kaolinized) & silicified andesite. The rock is highly fractured & Fe-stained. The stope traces an Fe-stained fault which strikes N15W, 60SW. Although not directly observed, it is assumed that quartz vein (Leopard vein?) once followed this structure & is now mined out. Some hemimorphite was observed in gossany material at this location.

Sample 1599B was collected from the drill roads above the mine site. As exposed along the road cut, tilted beds of altered andesite(?) and rhyolite flows & possibly some andesitic intrusives* are sheared & altered to Fe & clay minerals (kaolinized). Highly altered gossany zones follow N-S & E-W orientations. Much quartz vein material was observed in rubble on drill roads. Sample consists of quartz vein & bleached volcanic & possibly intrusive rock.

The relatively modern shed above the main dumps houses numerous core boxes. From the number of boxes present in the shed, I estimate that at least twenty & probably more exploration holes were drilled to a depth of 300-400'.

The core probably was derived from drilling completed by Spartan Explorations Ltd. in the summer of 1974. The drilling was concentrated on the Leopard vein area (Sample 1599B), following favorable rock-chip assays obtained by Spartan earlier that year. One box was examined & found to contain altered volcanic (punky) with abundant limonite & hematite.

REMARKS: * Coats, 1967, MS studied the geology in more detail + states that the host rocks are entirely andesite flows. Advanced alteration makes it difficult to distinguish rock types.

Sample 1599A & B

Photos.

REFERENCES: Engineering & Mining Journal March & June 1974.
Coats, 1967, USGS Circular 549

EXAMINER: Bentz/Smith

DATE VISITED: 8/19/82