

2560 0006

(234) Item 6

PROPERTY NAME: Horse Canyon Mine

COUNTY: Nye

OTHER NAMES:

MINING DISTRICT: Jett

MINERAL COMMODITY(IES): Mercury

AMS SHEET: Tognopah

TYPE OF DEPOSIT: Shear zone, replacement

QUAD SHEET: Toms Canyon

ACCESSIBILITY: 4WD road up Horse Canyon

SEC: Unsur,T: ,R:

OWNERSHIP: Unknown

COORDINATE(UTM):

PRODUCTION: +400 flasks mercury, 1937-1965
(Kleinhampl, 1984)

NORTH: 4277900m:

EAST: 0475340m:

ZONE: +11

HISTORY: Discovered in 1937, small production
1941-43, 1955-56, 1960-65

DEVELOPMENT: Two large pits on west side of canyon, old underground workings visible in pit walls, several deep cuts in the canyon bottom east of the mine indicate prospecting for placer cinnabar.

ACTIVITY AT TIME OF EXAMINATION: None, new drill roads have been cut to the northwest of the old mine, on strike of the structure.

GEOLOGY: The pits have been developed on a wide, northwest-trending shear zone that generally separates tuffs, on the southwest, from sedimentary rocks, on the northeast. Blocks of sedimentary rocks exposed in the west face of the pit are contorted, brecciated, and silicified. Lenses of limey sandstone are silicified and have crystalline cinnabar coating fracture surfaces. The sedimentary rocks are highly FeOx stained and brecciated, resemble rubble, some evidence of pipe-like breccia cutting through block and containing chunks of welded tuff-vent breccia? The cinnabar is deep ruby red and crystalline and is associated with white calcite veins. Cinnabar occurs as fracture coating on fragments of silicified rock. The shear zone can be traced several thousand feet to the northwest by prospects and cuts. Sedimentary rocks to the northeast are thin-bedded, contorted shales, coarse-grained sandstone, and limey sandstone, in the fault zone they are altered tan and buff due to limonite. The shear zone may be a caldera-margin structure of the Peavine caldera.

REMARKS: Remains of an old tube retort and later furnace plant are visible below the open pits, the cuts in the canyon bottom appear to be 10-20 years old. Recent work has consisted of cuts and drill roads on the structure to the northwest of the pits.

Sample 2695

REFERENCES: Kral, 1951
Bailey and Phoenix, 1944
Kleinhampl, 1984

EXAMINER: J.V. Tingley

DATE VISITED: 10/2/85