4820 0020

(103 Item 25)

PROPERTY NAME: Ohio Mines

OTHER NAMES: Main Tokop District

MINERAL COMMODITY(IES): Au, Ag, Sulfides

TYPE OF DEPOSIT: Vein

ACCESSIBILITY: See map, road good

OWNERSHIP: Unknown

PRODUCTION: up to 1960: 239 tons for $3985

HISTORY:

County: Esmeralda

Mining District: Tokop

AMS Sheet: Goldfield

Quad Sheet: Gold Point 7 1/2'

Sec. 28, T 7S, R 42E

Coordinate (UTM):

North 4128150 m

East 0476900 m

Zone +11

DEVELOPMENT: Remains of old town of Tokop, old buildings, shafts, adits, roads, mining equipment surface workings

ACTIVITY AT TIME OF EXAMINATION: None, but recently (probably during gold exploration in 1981) the entire area has been drilled, surface and subsurface exploration, extensive new roads put in, part of development could be attributed to microwave station, during week we visited district, drilling was in progress between Tokop and Oriental Wash, unable to determine who (drillers or exploratio company). At least 10 drill pads with 2 to 8 holes per pad.

GEOLOGY: Host rock in area is PG Wyman Formation, 1-3 mm beds, almost varvelike, of claystone, to sandy siltstone, tan to bluish grey, weathered differentially, abundant limonite and MnO2 stained, beds dip 30-70° S, strike N50W to due E-W, metamorphosed locally to slate, shale, and marble (no limestone observed, though). Rocks are cut by quartz veins ranging from 1-18 inches, dipping from 60-90°S and strike N70-90°W. The quartz is crushed and fractured and carries oxidized pyrite grains and ghosts, and fragments of metasediments. Epidote crystals were noted along fracture surfaces of the slates and marble along the shear zones.
The area experienced 2 primary stages ofmining, the earlier being around the turn of the century and the more recent surface and subsurface exploration in the 1980's. A major set of workings follow a N40W, trend, slightly dipping N, argillically altered, indistinct contact between bedding (bedding plane fault?). Clots of covellite, galena and pyrite were interspared in massive quartz vein immediately north of main workings.

REMARKS: Sample Site 1178 4128150N 0476900E
1179 4128150N 0476825E

REFERENCES:

EXAMINER: Smith/Bentz

DATE VISITED: May 6, 1983