

3860 0026

(101)

PROPERTY NAME: Mohawk Mine

OTHER NAMES:

MINERAL COMMODITY(IES): Ag, Pb, Cu

TYPE OF DEPOSIT: Epithermal Vein

ACCESSIBILITY: Good dirt roads

OWNERSHIP: Veta Grande

PRODUCTION: Approximately 2,000,000 oz of silver

HISTORY: Discovered in 1920 and had its main period of activity in the late 1950's

County: Esmeralda Item 69

Mining District: Red Mountain

AMS Sheet: Goldfield

Quad Sheet: Rhyolite Ridge 15'

Sec. 19, T 2S, R 37E

Coordinate (UTM):

North 4 1 1 7 6 0 1 0 0 m

East 0 1 4 1 2 8 4 1 0 0 m

Zone

DEVELOPMENT: One shaft, one incline, six levels and one mile of underground workings, numerous surface structures, power-plant, hoist house, ready for full operations with only minor delays.

ACTIVITY AT TIME OF EXAMINATION: Guarded and maintained

ie mine is on the western edge of the Red Mountain mining district within the eastern margin of Silver Peak caldera. It is on a major NE structure within the porphyritic latite. The structure has provided open fissures for vein emplacement by hydrothermal fluids. The workings have explored about 1,000 feet of strike length and about 500 feet along the dip of the vein which averages about 55° to the west. The dip of the ore shoots is about 40-70 degrees. The vein expands and contracts along its strike reaching more than 40 feet wide in some places with good ore ranging from 5-6 feet in width. The gangue minerals are barite, quartz and calcite with manganese exceeding 5% in places. Brecciation is ubiquitous. The vein at the surface is a narrow vuggy quartz residue, high in manganese and low in silver. Silver values range from a few ounces at the surface to as much as 40 ounces at 100 feet. Most of the barite and calcite present at depth has been leached at the surface.

Samples were collected at the outcrops and within the stopes at selected intervals

Sample 1988 is from a outcrop above the Luft Stope.

Sample 1989 is from the 500 level of the Burgess Stope

Sample 1990 is from the 200 level of the Luft Stope

Sample 1991 is from the 200 level of the Elree Stope

Sample 1992 is from the 500 level shrink stope of Brudage Stope

Sample 1993 is from the 400 level of the Luft Stope.

Silver values ranged from 7ppm at the surface to 300ppm in the Luft Stope.

All of the samples were anomalous in Mn, Ba, Sr, with lesser amounts of Pb, Zn and Cu and even lower values for B, Be and Sb.

REMARKS:

REFERENCES:

EXAMINER: Jack Quade

DATE VISITED: 5-20-84