2530 0014

(247) Item 40

PROPERTY NAME: Prussian Mine

OTHER NAMES:

MINERAL COMMODITY(IES): Ag, Pb, Sb, Cu, Mn

TYPE OF DEPOSIT: Epithermal

ACCESSIBILITY: Fair to good roads east of Round Mountain approximately 6 miles.

OWNERSHIP:

PRODUCTION: Best production occurred in the 1870's,
HISTORY: 1883 and in 1940.

County: Nye

Mining District: Jefferson Cyn.

AMS Sheet: Tonopah

Quad Sheet: Jefferson 7½'

Sec. Unsur., T 10N, R 44E

Coordinate (UTM):

North 4|2|8|4|8|6|0 m

East 0|5|0|1|4|2|5 m

Zone

DEVELOPMENT: The main shaft is reported to be 250 feet deep..ore bodies were reported to be "obliquely inclined chimneys several hundred feet in length.

ACTIVITY AT TIME OF EXAMINATION: Detailed mapping by local company suggest a possible ring fracture zone as part of an intra-caldera zone near the Pussian Mine.

GEOLOGY: The Prussian Mine was sunk on a vein system bounded by shaley limestones in the footwall to the west and by Tertiary Rhyolite to the east in the hanging wall. The vein strikes N37°NW and dips at 60°E. At the surface the vein varies between 2 to 5 feet in width but may exceed that at depth were two veins were mapped. Ferguson and Cathcart (1954) reported; the presence of irregular veinlets 10-15 feet wide, within the shear zone at depth.

Sample 2017 collected from the dumps and exposed vein near the main shaft include manganse rich vein material with minor pyrite, clots of tetrahedrite and unidentified silver sulfides.

The assay results were high in silver, lead, copper, antimony, zinc and manganese.

REMARKS: The elemental and mineral assemlage is very similar to that found in the ring fracture zone of the Silver Peak caldera including the presence of Hessite a silver telluride. In particular the Silver Queen and Mohawk Mines are the most similar including the very low gold-silver ratios.

REFERENCES:

EXAMINER: Quade and Tingley

DATE VISITED: 9-18-86