

2530 0015

(247) Item 41

PROPERTY NAME: Jefferson Mine
 OTHER NAMES: Prussian South Mine
 MINERAL COMMODITY(IES): Ag, Pb, Sb, Cu, Zn and Manganese
 TYPE OF DEPOSIT: Epithermal
 ACCESSIBILITY: Fair to good roads six miles east of
Round Mountain
 OWNERSHIP: _____
 PRODUCTION: Biggest producer in the district.
 HISTORY: Production began in 1869, biggest period of
production in the mid-seventies. Last major effort
in 1940.

County: Nya
 Mining District: Jefferson Canyon
 AMS Sheet: Tonopah
 Quad Sheet: Jefferson 7 1/2'
 Sec. Unsur., T 10N, R 44E
 Coordinate (UTM):
 North 4 2 8 4 6 5 5 m
 East 0 5 0 1 6 8 0 m
 Zone _____

DEVELOPMENT: A 700 foot incline with production from different levels but the
length and size of the workings are not documented nor is known if they are
accessible.

ACTIVITY AT TIME OF EXAMINATION: Area included within a on going mapping project.

GEOLOGY: Locally the geology consist of shaley limestones to the southwest or
the footwall of mine an by Tertiary rhyolite to the northeast or the hanging
wall side of the mine. The vein seperating the contact is part of shear zone
with an average surface width of 3-4 feet. The mine was mainly a silver
producer but one crosscutting vein at the 300 foot level had 25% of its values
in gold. Discussions from various sources about the size, grade and relation-
ships to the vein systems is confusing and sometimes contradictory. Apparent-
ly, there was considerable variation in the character of the vein system along
it strike legth.

Sample 2018 selected from the dumps and exposed veins consisted of manganese
rich quartz, hydrothermal breccia, altered and mineralized pieces of rhyolite
and pyritized wall rock.

Assays of the sample revealed silver, manganese, lead and copper to be 3000ppm
or above, while zinc, antimony and molybdenum were also anomalous.

REMARKS: _____

REFERENCES: _____

EXAMINER: Quade and Tingley

DATE VISITED: 9-18-85