

2580 0013

(235)

PROPERTY NAME: Johnnie Mine
 OTHER NAMES: Butterfly Claim Block
 MINERAL COMMODITY(IES): Au
 TYPE OF DEPOSIT: Hydrothermal veins

ACCESSIBILITY: See map, roads good

OWNERSHIP: Leo Bartlett

PRODUCTION: more than \$1,000,000

HISTORY: Discovered 1890, mined until 1913, placer below the mine in 1949

County: Nye Item 13
 Mining District: Johnnie
 AMS Sheet: Death Valley
 Quad Sheet: Mt. Schader 7.5
 Sec. 20, T 17S, R 53E

Coordinate (UTM):
 North 4 0 3 5 5 0 0 m
 East 0 5 8 5 3 0 0 m
 Zone +11

DEVELOPMENT: See below

ACTIVITY AT TIME OF EXAMINATION: None

GEOLOGY: For complete historical and production background on the Johnnie Mine, see the University of Nevada Geology and Mining Series No. 50: Mineral Resources of Nye County, NV, Kral, 1951.

The main workings at the Johnnie Mine consist of a main 900 foot inclined shaft, 45° due east, a 3 story ore chute, stamp pad, old buildings, 3 miles of underground workings, prospects, pits, adits, trenches, water system, and holding tanks. The main shaft follows massive, fractured, iron-manganese stained, white quartz veining cutting the silica/carbonate metasediments of the Johnnie Formation (Cambrian. Outcropping near the main workings is massive brecciated pinkish-grey quartzite cemented with manganese stained silica. On the dumps below the ore chute were malachite stained, brecciated, chloritized shales. Gossany patches with minor chalcopryrite occurred in the bull quartz which was coated with drusy quartz. Along the road coming up from the south, the alluvium had been recently scraped off and the exposed surface trenched and open pitted.

REMARKS: Sample 1023 quartz vein from beneath ore chute

REFERENCES:

EXAMINER: Smith/Quade

DATE VISITED: 4/19/82