

2190 0052

(30) Form 51

PROPERTY NAME: Boss Mine
OTHER NAMES: Mining Patent #4371 A&B
MINERAL COMMODITY(IES): Cu, Au, Pt, Pd, Ag, Pb
TYPE OF DEPOSIT: Fault/Breccia
ACCESSIBILITY: See map, recommend hiking up rather than take access road
OWNERSHIP: Unknown
PRODUCTION: 1886-1937: 1761 oz Au, 7034 oz Ag, 396 oz Pt, 594 oz Pd, 568,099 lb Cu, 753 lb Pb
HISTORY: located 1886 Joseph Yount & worked intermittently for 28 years, sold 1902 to Yellow Pine Mining Co, platinum dist. 1914 & option sold to W. C. Price & Assoc., deal fell through & mine reverted back to original owners, mined 1914-1919, intermittent activity until 1937.
DEVELOPMENT: 3 main adits, secondary adits, peripheral surface workings, remains of ore chute rail system, hoist, buildings, mill(?)
ACTIVITY AT TIME OF EXAMINATION: None

County: Clark
Mining District: Goodsprings
AMS Sheet: Kingman
Quad Sheet: Shenandoah Peak 15'
Sec. 34, T 24S, R 57E
Coordinate (UTM):
North 3 9 6 4 7 0 0 m
East 0 6 2 9 1 5 0 m
Zone +11

GEOLOGY: Workings follow minor fault zones, possibly associated with the Ironside Fault, which separate the Mississippian Monte Cristo Limestone on the east and the Cambrian-Devonian Goodsprings Dolomite on the west. The carbonate beds range from inches to feet in thickness, generally striking east-west and gently dip north at the mine, appearing to be structurally a broad anticline. The main mineralization (or at least the most obvious) appear to be malachite and chrysocolla, associated with Fe-Mn oxide stained gossan, occurring along the fracture surfaces and interspersed in the fault breccia. Much of the breccia is silicified and localized silicification occurs in the surrounding host rocks. At the lower workings, the carbonates are brecciated and cemented with white crystalline calcite.

REMARKS: Sample Site 1151 A & B

REFERENCES: NBMG Bulletin 62, USGS PP 162, USGS Bulletin 620A

EXAMINER: Smith

DATE VISITED: February 10, 1983