

✓ 3640 0051
PROPERTY NAME: Wide Awake Mine
OTHER NAMES: Stindt & Donahue Lease
MINERAL COMMODITY(IES): Ag, Pb, Mn
TYPE OF DEPOSIT: Breccia/Fissure vein/Replacement

ACCESSIBILITY: Adjacent to U.S. 93 Alternate

OWNERSHIP: Unknown

PRODUCTION: Over 17,000 tons Mn, Ag-Pb ore worth \$535,000+

HISTORY: Production in 1919, 1937-1944, 1952, figures include from Volcano Mine

County: Lincoln (179) Item 51
Mining District: Pioche
AMS Sheet: Caliente
Quad Sheet: Pioche 7½'

Sec. 26, T 1N, R 67E

Coordinate (UTM):
North 4 1 9 9 3 6 0 m
East 0 7 2 5 9 9 0 m
Zone +11

DEVELOPMENT: Covered shaft, headframe w/housing, probably up to 1000 feet workings, peripheral prospect pits and cuts.

ACTIVITY AT TIME OF EXAMINATION: None

GEOLOGY: Workings collared in alluvium, no structure apparent. Mapped as Cambrain Prospect Mountain Quartzite. Ore on dump consists of euhedral to subhedral pyrite crystals and grains interspersed in massive to sacchroidal quartz vein material along with minor chalcopyrite. Copper oxidized from the sulfides stain shear material. Host rock on dumps quartzite which also carries very fine grained disseminated sulfides. Sulfides also occur in green phyllitic shale unit found on dump. Well formed crystalline jarosite coats fracture surfaces and sericite is abundant. (Dump good collection site for jarosite.) Minor gossan was noted. * Breccia is cemented with opaline silica and is stained with iron and manganese oxides. Late stage silica coats exposed surfaces. Mapping by Park, et al, infers an approximate N10-30W trending series of parallel faults. This is indirectly confirmed by faulting upslope from workings. Locally, the sediments have been partially silicified. Although Ag-Pb mine, no ore was found on dump.

Note: Park maps fault zone striking NNW, steeply dipping east, NBMG Bulletin 73 states thrust fault dips 20° SE, this is a physically impossible situation, upslope faults strike N50W, 70° SW with sed beds dipping SE, (infers) several periods of tectonic activity.
(implies?)

*Quartzite.

REMARKS: Sample Site 799

REFERENCES: USGS Map MF-136, NBMG Bulletin 73, USGS PP 171, pg. 58, PP 469

EXAMINER: Smith/Bentz

DATE VISITED: 8/22/83