

3640 0032
PROPERTY NAME: Boston-Pioche Mine

OTHER NAMES: _____

MINERAL COMMODITY(IES): Ag, Pb, Zn

TYPE OF DEPOSIT: Breccia/Vein

ACCESSIBILITY: See map, easy hike from U.S. 93

OWNERSHIP: Unknown

PRODUCTION: Unknown, fair

HISTORY: Unknown

County: Lincoln (179) Item 32

Mining District: Pioche

AMS Sheet: Caliente

Quad Sheet: Pioche 7½'

Sec. 27, T 1N, R 67E

Coordinate (UTM):

North 412101012110 m

East 017121413160 m

Zone +11

DEVELOPMENT: Single caved adit, other workings in area, developed spring, free flowing, access road dangerous.

ACTIVITY AT TIME OF EXAMINATION: None

GEOLOGY: Workings follow N40E quartz cemented vertical shear zone in Cambrian Prospect Mountain Quartzite, which appears to be one of a parallel series of shears on southeast slope of Treasure Hill. Quartzite beds strike N60W, dip 35°NE. Green shaley argillic interbeds, stained with Fe-Mn oxides. Quartzite white to rose, banded, massive with shale interbeds several inches thick. Sericite flakes coats fracture surfaces along with minor jarosite. Ore occurs in very fine grained crystalline fissure vein calcite/quartz with disseminated lead-zinc sulfides. Heavy, black nodules of "cooked" hydrothermally altered gossany ore stained with yellow oxides are abundant on dump. Quartz shear material carries oxidized pyrite and is coated with malachite, chrysocolla, secondary silica, and granular sphalerite interspersed with pyrite.

REMARKS: Sample Site 1424.

REFERENCES: USGS PP 171, USGS Map MF-136

EXAMINER: Smith/Bentz

DATE VISITED: 8/23/83