

✓ 3640 0031
PROPERTY NAME: Blue Queen Claims

OTHER NAMES:

MINERAL COMMODITY(IES): Zn, Pb?

TYPE OF DEPOSIT: Breccia

ACCESSIBILITY: See map, road good

OWNERSHIP: Unknown

PRODUCTION: None to small

HISTORY: Unknown, probably connected with older exploratory projects.

County: Lincoln (175) Item 31

Mining District: Pioche

AMS Sheet: Caliente

Quad Sheet: Pioche 7½'

Sec. 7, T 1S, R 68E

Coordinate (UTM):

North 4 1 9 5 6 9 0 m

East 0 7 2 7 7 9 0 m

Zone +11

DEVELOPMENT: Area of low, rounded hills with small prospect pits, shafts, surface cuts.

ACTIVITY AT TIME OF EXAMINATION: None

GEOLOGY: Workings explore extensive fault breccia zone in white to pink Cambrian Prospect Mountain Quartzite with attitude (local) of N30W, 40 NE. The quartzite is brecciated over most of the exposed outcrop with the most prominent fault striking N30E and vertical. The fault is over 2 feet wide with parallel shearing noted on either side. The fault is cemented with iron and manganese silica stained and appears to have served as a conduit for fine grained quartz vein/sacchroidal aplite dike material(?), which carries very fine grained, oxidized pyrite, chalcopyrite, fresh galena, and fine stringers tetrahedrite. Very fine pyrite crystals are also disseminated in the quartzite. Portions of the breccia are gossany, almost "cooked" with patches and bands of botryoidal hematite. Fracture surfaces of both the breccia and quartzite are coated with yellow-brown, platy, crystalline jarosite, possibly with intergrown sphalerite crystals. The country rock in the vicinity of the vein is locally silicified and the breccia exhibits argillic alteration. Abundant Fe-Mn-Cu oxides stain the fault zone and country rock. The breccia has an abundance of very fine open spacing between quartzite fragments and quartz cement. White, powdery mineral in breccia possibly hydrozincite.

REMARKS: Sample Site 793, 794, 795

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

EXAMINER: Smith/Bentz

DATE VISITED: 8/22/83