

✓ 3640 0037
PROPERTY NAME: Ely Valley Mines

OTHER NAMES:

MINERAL COMMODITY(IES): Au, Ag, Pb

TYPE OF DEPOSIT: Replacement

ACCESSIBILITY: See map, access road good

OWNERSHIP: Unknown

PRODUCTION: More than \$9 million

HISTORY: Production began 1926, intermittent up to present

Lincoln

County:

Mining District: Pioche

AMS Sheet: Caliente

Quad Sheet: Pioche 7½'

Sec. 17, T 1N, R 67E

Coordinate (UTM):

North 4 2 0 2 8 5 0 m

East 0 7 2 0 4 5 0 m

Zone +11

DEVELOPMENT: 515 foot inclined shaft with three levels, self contained mine site, 40 horsepower power plant, later 100 horsepower engine installed, peripheral workings in surrounding hills.

ACTIVITY AT TIME OF EXAMINATION: None, but site drilled and assessment work is probably kept up, gates locked, evidence of recent visits from unknown persons.

GEOLOGY: Workings collared in alluvium, area mapped as Cambrian Prospect Mountain and faulted contact with Cambrian Pioche Shale (Lake et. al). Thorough report on property in USGS PP 171. Property currently has free flowing ground seepage from dump area depositing potentially hazardous waste into ground water system in Lake Valley. Dump heavily Fe-Mn stained and composed to silicified limestone and shale with crystalline pyrite replacing limestone and cementing fault breccia. Crystalline intergrown quartz and calcite also cement breccia. Hornblende-biotite intrusive observed in float. Jarosite crystals coat fracture surfaces. Samples taken of manganosiderate gangue and of unoxidized pyritized quartzite/pyrite-quartz vein material. Abundant wad and pyrolusite occur with ore. Some ore magnetic.

REMARKS: Sample Site 1429, 1430

REFERENCES: USGS PP 171, pg.57, USGS Map MF-136, NBMG Bulletin 73.

EXAMINER: Smith/Bentz

DATE VISITED: 8/24/83