

4690 0004
PROPERTY NAME: Lucy Grey Mine and vicinity
OTHER NAMES: Crystal, Central, Daylight, Home and Mountain Claims
MINERAL COMMODITY(IES): Au, Ag, Cu, Pb
TYPE OF DEPOSIT: Breccia Pipe
ACCESSIBILITY: See map, Road rough and washed out
OWNERSHIP: Unknown
PRODUCTION: Intermittently since 1905, totaling approximately
HISTORY: \$50,000. District discovered 1897, no production figures after 1941

County: Clark ⁽³⁴⁾ Item 4
Mining District: Sunset (Lyon)
AMS Sheet: Kingman
Quad Sheet: Roach Lake 15'
32 27S 60E
Sec. 6 T 28S R 60E
Coordinate (UTM): See Below
North | | | | | m
East | | | | | m
Zone +11

DEVELOPMENT: Main shaft, inclined 45°, N70E, with surrounding surface workings and shallow adits and shafts at entrance of canyon, older and more recent workings, old shack below workings

ACTIVITY AT TIME OF EXAMINATION: None, but area had been examined within last 3 years, abundant surface activity, e.g., trenching, surface scraping at main mine and western work

GEOLOGY: Lucy Grey Mine is the main and only producing property in the district. The main shaft is sunk in feldspar-quartz-biotite rich gneiss and schist, cut with stringers and veins of sulfide bearing quartz. Much of the metamorphics are brecciated and cemented with silica. Literature suggests that the workings are at the southern edge of a breccia pipe. At the entrance of the canyon leading to the main mine are minor shafts and adits which have been partially destroyed by recent surface exploration. The degree of metamorphism of the host rock decreases from east to west, with the western workings being in quartzite and schist and very little gneiss. There is also a greater degree of FeOx staining in the western workings. Granitic/pegmatitic rocks outcrop and are in float in the western area. These workings follow an E-W trending shear zone which bears oxidized pyrite and galena and are cut with calcite/siderite veins. Vesicular basalt was observed in float.

REMARKS: Sample Site 1312 3935250N 0656375E
1313 3934700N 0654750E
1314 3934700N 0654550E

REFERENCES: NBMG BULLETIN 62, USGS PP 275

EXAMINER: Smith

DATE VISITED: November 17, 1982