

2000 0008

PROPERTY NAME:

D. M. Homestead Claims

*this is spelling on claim highway*

County:

Esmeralda

Mining District:

Gilbert (Desert)

AMS Sheet:

Tonopah

Quad Sheet:

Gilbert 7.5'

Sec. Uns.

T 4N

R 38E

Coordinate (UTM): See below

North

| | | | | m

East

| | | | | m

Zone

OTHER NAMES:

MINERAL COMMODITY(IES): Au

TYPE OF DEPOSIT:

Hydrothermal breccia

ACCESSIBILITY:

See map, access from north easier

OWNERSHIP:

Anaconda (Atlantic Richfield Oil Co) Reno

PRODUCTION: 4,465 tons valued at \$104,960 (as of 1960)

HISTORY: Worked since 1902, silver discovered 1917, active for approx 30 years, total production \$3,503,641

DEVELOPMENT:

See below

ACTIVITY AT TIME OF EXAMINATION: Surface and subsurface exploration within the last year

**GEOLOGY:** Workings are along the brecciated fault zones cutting Tertiary volcanics and the Ordovician Palmetto Formation. At Sample Site 1273, what appears to be the main shaft in the district, shaft sunk into silicious seds (shale, mudstone, chert, tuffs) with pyrite crystallized along fracture surfaces and in gouge material. with zones of crystalline gypsum. Bull quartz veins with euhedral, double terminated quartz crystals fill vugs, and cut sediments. Abundant Fe-Mn staining, Dense goossan, dendretic pyrolusite, and what appears to be silver chloride coats rock surface. Minor boxworks in rocks. The main part of the district has less than a dozen main shafts with minor dog holes, adit, and pits on the surrounding hills. In some minor workings adjacent to sample site, crystalline barite was found to coat rock surface. Quartz veins appear to be fracture filling with barite crystals intergrown. The breccia is cemented with silica, crystals up to 2 inches. At site, breccia zone outcrops, trending NE, up to 2 feet wide. North across drainage to Sample site 1274, ridge of shafts, dog holes and adits, more than shown on map, workings appear to be exploring hydrothermal (?) breccia zone with an E-W trending, 45N dipping aplite dike. Breccia appears to be composed of brecciated fragments and fragments of comb quartz filling cavities and radiating from initial nucleation points. Fragments range from micro to feet across, many limonitic stained, matrix clear to dark gray silica. Breccia shows veins also cut all surfaces, but does not appear to be cementing the breccia. Jo found what she thinks to be a fragment of free gold, some chalcedonic veining. Abundant Fe-Mn staining on aplite dike, Breccia shows evidence of milling. On east side of outcrop, altered volcanics, bleached, limonitic stained, lithic rich, moderate crystals, tuffs, in direct contact with massive crystalline calcite vein.

REMARKS:

Sample 1273 N4225995 E0438440

1274 N4226365 E0438425

REFERENCES:

EXAMINER:

Smith/Bentz

DATE VISITED:

September 22, 1982