4610 0007

(30)

PROPERTY NAME: Tehama Mine

OTHER NAMES:

MINERAL COMMODITY(IES): Au, Cu

TYPE OF DEPOSIT: Quartz stockwork and silicification in fault zone.

ACCESSIBILITY: Poor, road washed out 1.6 km from mine.

OWNERSHIP: Unknown, no evidence of recent valid claims.

PRODUCTION: Small, probably a few thousand dollars.

HISTORY: Possibly discovered in 1860's. Probably worked in early 1900's. Idle for at least 50 years.

County: Pershing Dem 7

Mining District: Star

AMS Sheet: Lovelock

Quad Sheet: Imlay

Sec. 2, T 31N, R 34E

Coordinate (UTM):

North 4 4 9 3 5 5 0 m

East 0 4 0 5 1 0 0 m

Zone

DEVELOPMENT: One main adit, several other short adits and shallow shafts. Foundations of mill.

ACTIVITY AT TIME OF EXAMINATION: None. Idle for many years.

GEOLOGY: Altered zone 10-15 meters wide trending NE along fault zone (American Basin Fault on GQ666). Fault dips 60°-70°NW and forms contact between flow-banded rhyolite and rhyolite tuff of Koipato Group and basal clastics of Prida Fm. Workings and mineralization mostly in rhyolite, but some mineralization is present in Prida.

Mineralized zone is locus of silicification and quartz veining, numerous quartz stringers and veinlets. Sulfide minerals include pyrite, tetrahedrite, chalcopyrite and sphalerite. Outcrop of Prida sandstone adjacent to fault zone containing abundant azurite and malachite.

Sulfides other than pyrite are not abundant on dump.

Only small area of tailings below mill. Mill probably early 1900's vintage.

REMARKS: Samples 2535 and 2536. Photos 18, 19, 20.

REFERENCES: GQ666; Johnson, 1977, Bull. 89.

EXAMINER: H.F. Bonham Jr.

DATE VISITED: 8-30-84