

1630 0023

PROPERTY NAME: Pope Mine

OTHER NAMES: _____

MINERAL COMMODITY(IES): Au, Ag, F?TYPE OF DEPOSIT: Epithermal vein

ACCESSIBILITY: _____

OWNERSHIP: _____

PRODUCTION: _____

HISTORY: _____

County: Lincoln Item 23Mining District: Eagle Valley/Gold SpringAMS Sheet: CalienteQuad Sheet: Deer Lodge Canyon 7 1/2Sec. 29, T 1N, R 71E

Coordinate (UTM):

North 4 1 9 9 8 0 0 mEast 0 1 7 5 8 7 2 0 mZone +11

DEVELOPMENT: Main working is vertical shaft. Several prospects & shallow stopes explore NE vein structures both NE & SW of main shaft. Several old cabins & structures on property.

ACTIVITY AT TIME OF EXAMINATION: None but some recent road improvement (drill roads?) has taken place west & north of mine.

GEOLOGY: Sugary to chalcedonic, light green to white, banded, open-centered quartz veins cut argillized pink, flow banded, rhyolite tuff. Altered host is phenocrysts-rich & contains abundant lithic fragments (of both andesite & rhyolite) & pumice fragments. Alteration ranges from argillic to advanced argillic. Fissure-type quartz veins which cut altered host about 1-2" or less in width. Veins often have light green or purple coloration possibly due to fluorite(?) or tourmaline which is reported for this locality (Perry, 1964). Oxidized pyrite (fine-grained) occurs in vein & host. Also silvery grey needle-like mineral may be stibnite(?) or Ag mineral. The sulfides appear to be concentrated along drusy, Fe-Mn stained vugs in quartz veins. Many banded, chalcedonic veins also noted. As in other parts of the district, quartz after lamellar calcite & multiple veining features are abundant.

The attitude of the vein as measured in the shaft is N60E, with a steep SE dip. The vein is small in width (2-6" according to Perry), but is marked by a wider zone of fracturing or shearing & an area of argillic alteration.

REMARKS: Sample 1723. (Looks good for Au-Ag Anomaly)

*A sample collected 100' east of the Pope Shaft contains fine visible gold (Perry, p.40)

REFERENCES: Perry, Sprg, 1964, Utah Geology, v.3, n.1, p.23.

EXAMINER: Bentz/Smith

DATE VISITED: 9/17/83