0370 0005

near (6) Item 7

PROPERTY NAME: Unknown Prospect #5

OTHER NAMES:

MINERAL COMMODITY(IES): Au

TYPE OF DEPOSIT: Quartz fissure vein

ACCESSIBILITY:

OWNERSHIP:

PRODUCTION:

HISTORY:

County: Lander

Mining District: Aspen?

AMS Sheet: Millett

Quad Sheet. South Shoshone Peak 15'

NE/4 NE/4 SW/4

Sec. S3, T 15N, R 38E

Coordinate (UTM):

North 4 3 3 8 2 2 5 m

East 0 4 4 0 4 2 0 m

Zone +11

DEVELOPMENT: A 100m (estimated) vertical shaft, probably with a drift of 50?m and a raise to the surface. Shaft and ladders in good condition.

ACTIVITY AT TIME OF EXAMINATION: None

GEOLOGY: The workings are along a N70W, 85NE fault which separates white massive air-fall? tuff on the south from red-weathering rhyolite welded tuff on the north. The rocks are Tertiary. The fault zone is 1 - 1.5m wide caved and may be partly or entirely filled with quartz vein matter. The fault zone pinches and swells for at least 50cm to 2m. Locally feldspars and pumice in the wallrock are argillized; there is also some silicification of the wallrock, and quartz veinlets occur out in the air-fall? tuff, and stockworks of veinlets are more common in air-fall? tuff while breccia fillings are more common in the welded tuff.

The quartz vein matter exhibits stockworks veinlets (1mm-2cm), comb quartz, and cockade structure. The quartz may be relatively clear and drusy or white and chalcedonic. There is a minor amount of iron oxide minerals along fracture in the fault zone, probably from the oxidation of pyrite. No hypogene sulfide minerals note, free gold seen.

A similar prospect is located 0.7km northwest, just west of the main road. Similar drusy quartz occurs along a N60W,80NE fit in welded tuff. However, the veining is narrow (~1cm) and spotty. A small pit explore the zone.

REMARKS: Photo 35 of headframe of shaft, dump and old building. Sample 418 is a grab sample of the quartz vein matter. Location is 1.7km southeast of Buzanes Camp.

REFERENCES:

EXAMINER: L. J. Garside

DATE VISITED: 11 Aug 81