0370 0004

near (6) Item 6

PROPERTY NAME: Unknown Shaft #5

OTHER NAMES:

MINERAL COMMODITY(IES): Au?

TYPE OF DEPOSIT: Quartz-filled fissure vein

ACCESSIBILITY:

OWNERSHIP:

PRODUCTION:

HISTORY:

County: Lander

Mining District: Aspen?

AMS Sheet: Millett

Quad Sheet: South Shoshone Peak 15

SE/4

Sec. 5, T 15N, R 38E

Coordinate (UTM):

North 4 3 3 7 7 9 0 m

East 0 4 3 7 9 8 0 m

Zone +11

DEVELOPMENT: At least 2 adits, and a 10m-deep shaft. The main adit (southside of hill) is over 50m and the adit on the southeast side is ≤50m?

ACTIVITY AT TIME OF EXAMINATION: None

GEOLOGY: The two adits visited explore a vein along fault breccia zone which is located along the northeast side of a dacite porphyry dike. The dike is about 5m wide and over 400 m long; it cuts light gray lithic-vitric welded tuff (Tertiary). The dacite porphyry(a piece is included in the sample collected) is propylitized and locally pryitized?(The pyrite has gone to limonite). The vein and dike trend N40-50W, 75NE to 90? The fault crush zone is usually 30-70 cm.

The quartz vein matter consists of comb quartz and narrow quartz veinlets in welded tuff. Sparse limonite pseudomorphs alter pyrite are noted in the quartz. Iron-oxide minerals occur as coatings on drusy quartz and they are in turn coated by yellow-green smectite? clay (both supergene) .

A small shaft southeast of the canyon below the workings is along a north-or-northwest-trending zone and has similar but more sparse quartz veining.

REMARKS: Sample 419 is grab vein material and a piece of dacite porphyry.
Photo 37 (last on roll) is of the main adit and frame of small building.

REFERENCES:

EXAMINER: L.J. Garside

DATE VISITED: 11 Aug 81