3550 0008

(174) Item 17

PROPERTY NAME: Schwartz Tunnel

OTHER NAMES: Ad, MDM claims, Swartz

MINERAL COMMODITY(IES): F, Ag?, Zn, Cu, W

TYPE OF DEPOSIT: Tactite, replacement, quartz veins

ACCESSIBILITY:

OWNERSHIP: Location monument near sample location 810- MDM Claims
Eugene ?Hodges, Oct. 10, 1979.

PRODUCTION: Unknown

HISTORY: Ag prospect in 1918

County: Lincoln

Mining District: Patterson Pass

AMS Sheet: Lund

Quad Sheet: Milk Ranch Spring 7 1/2
Mt. Grafton 7 1/2'

Sec. 19, T 9N, R 64E

Coordinate (UTM):
North 4 2 7 7 3 7 0 m
East 0 6 9 7 7 4 0 m
Zone +11

DEVELOPMENT: 2 adits, 2 shafts. Some dozer trenches.

ACTIVITY AT TIME OF EXAMINATION: None. Most recent is claim staking in 1979.

GEOLOGY: These workings are located just east of the ridgecrest in the southern Schell Creek Range. About 4-5 miles south of Mt. Grafton. The Scwhartz Tunnel is at road level & has running H_2O at its mouth. The tunnel is built in quartzite probably of basal Pioche of interfingering Prospect Mtn. It displays a stockwork of quartz vein in outcrop above the road. Orientation of most of the quartz veins is N70E, 13SE. The veins are continuous & ≈ 1/4" wide & show some pinching & swelling. Some of the vein material on dump from adit above the tunnel looks pegmatitic. It contains coarse white mica & terminated coarse quartz crystals in vugs. Below the adit dump are shales of the Pioche Fm.

The adit above the tunnel shows a good view of the replacement horizon in one of the basal limestone units of the Є Pioche shale. The limestone is silicified & now has a typical tactite, mineralogy including diopside, calcite, & epidote. Some samples contain fluorite crystals, pyrite & chalcopyrite thruout. Sphalerite is also present.

The altered horizon at adits mouth is reddish brown silicified limestone with "polka dot" appearance from algal Girvanella. This horizon is capped by gossan which can be followed for one hundred feet or more to south-west.

At the ridgecrest south-west of the Schwartz workings is an old shaft & several dozer trenches. The replaced horizon is observed here as well as pyrite & chalcopyrite occur in veinlets & pods & actually have replaced the algal spheroids. Alot of gossan is on the dumps here. A coarse, bladed green-white mineral (wollastinite? tremolite?) occurs on the vein selvages.

An intrusive dike is supposed to outcrop in saddle

REMARKS: Samples 807-810, Photos

See CRIB form.

Adit in limestone
dump in shales & quartzites

Schwartz tunnel in quartzite.

Road

REFERENCES:

EXAMINER: Smith/Bentz/Tingley

DATE VISITED: 6/11/81