1080 0002

(165) Item 2

PROPERTY NAME: Advance Mine

OTHER NAMES:

MINERAL COMMODITY(IES): Au?, Ag?

TYPE OF DEPOSIT: Vein, fractures

ACCESSIBILITY:

OWNERSHIP:

PRODUCTION:

HISTORY:

County: Lincoln

Mining District: Chief

AMS Sheet: Caliente

Quad Sheet: Chief Mtn. 7½'

Sec. 18, T 3S, R 67E

Coordinate (UTM):

North 4|1|7|4|1|4|0 m

East 0|7|1|8|5|2|0 m

Zone +11

DEVELOPMENT: Several open south-southwest trending adits on north facing slope. One shaft & several large dumps.

ACTIVITY AT TIME OF EXAMINATION: None.

GEOLOGY: All workings are developed in Prospect Mountain quartzites. At upper adit the host rock exposed at the portal is an orange (weathered) quartzite or silty sandstone which forms 5" - 2" thick beds striking N10W, 35NE. The rock on the dump is slightly laminated, vitreous grey (fresh) quartzite which shows some calcite & quartz veining. The rocks are silicified and have responded to this alteration process by becomming recrystallized. * In general the quartzites are covered by abundant FeOxs & yellow & green oxides which may be after As, Fe, Pbs, or some other element. Some of the altered quartzites contain Fe-stained quartz & calcite filled vugs. Not much earthy material was observed at this location (in contrast to other parts of the district).

The adits line up along north or north east- striking vein systems which apparently follow the bedding of the host rocks. The bedding plane fractures were apparently the main structural control for vein emplacement, as not much breccia was observed.

*Also, sericite occurs in matrix.

REMARKS: Sample 125 - Quartzite (recrystallized) with yellow, green & red oxides. Minor pyrite.

REFERENCES:

EXAMINER: Bentz/Smith

DATE VISITED: 8/17/82