2310 0012

(175)

PROPERTY NAME: Sample Site 1393

OTHER NAMES:

MINERAL COMMODITY(IES): Pb, Cu, Ba, Ag?

TYPE OF DEPOSIT: Vein

ACCESSIBILITY: Park at Manhattan Gap and walk down, no place to turn truck around.

OWNERSHIP: Unknown

PRODUCTION: None

HISTORY: Unknown, probably worked in 1880's.

County: Lincoln Item 63

Mining District: Highland

AMS Sheet: Caliente

Quad Sheet: Highland Peak 7 ½

Sec. 8, T 1N, R 66E

Coordinate (UTM):

North 4|2|0|4|5|6|0 m

East 0|7|1|1|4|8|0 m

Zone

DEVELOPMENT: Vertical shaft, 25 feet deep uncollared, minor workings in vicinity.

ACTIVITY AT TIME OF EXAMINATION: None

GEOLOGY: Single shaft exploring Tertiary quartz-monzonite(?) dike/intrusive, 1-3 feet wide, and associated quartz veins, steeply dipping N45E, trending N50W, intruding Cambrian Highland Peak Formation. The intrusive is composed of crystalline quartz intergrown with calcite, discrete barite laths, and siderite and carried crystalline pyrite and galena. Later infusions of silica intergrown drusy quartz crystals with cerrusite. Hematite, malachite, and chrysocolla coat exposed surfaces and occur as inclusions in the late stage quartz crystals. The dike is highly fractured and crushed. The Highland Peak Formation is medium grey limestone which carries oxidized sedimentary pyrite crystals. Most of the slope is covered with alluvium and structures of the carbonate beds is hidden. MnO2 stains exposed surfaces. Ore slightly gossany. Outcrops of the intrusive occur south of working on ridge crest.

1. Along with a yellow-green crusty mineral (angelsite?) coats surfaces (possibly SbOx as result of alteration of tetrahedrite.

2. and chrysocolla.

REMARKS: Sample site 1393.

REFERENCES:

EXAMINER: Smith/Bentz

DATE VISITED: 9/16/83