

1180 0012

166

Item 13

PROPERTY NAME: Nylon Shaft

County: Lincoln

OTHER NAMES: Sample location 1439

Mining District: Comet

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

AMS Sheet: Caliente

TYPE OF DEPOSIT: Shear (fissure?), vein, replacement

Quad Sheet: Highland Peak 7 1/2'

ACCESSIBILITY:

Sec. 4? T. 1S R. 66E

OWNERSHIP:

Coordinate (UTM):

PRODUCTION:

North 411915161310 m

HISTORY:

East 01711017120 m

Zone 11

DEVELOPMENT: Vertical shaft is approximately 30-50' deep, metal pipe & ladder extends to depth. Trenching in area of shaft is about 5 years old. More recent & extensive trenching on other side of canyon to the north.

ACTIVITY AT TIME OF EXAMINATION: Shaft is roped off & flagged within last few weeks indicating recent sampling or examination of working.

GEOLOGY: Shaft explores N75E, 80N(W) shear (fissure) zone developed in medium grey (weathered) to dark grey (fresh), coarsely crystalline (recrystallized), calcite-veined granular limestone. Rock is locally cut by random calcite veinlets & stained by minor Feoxs. The shear or fissure zone is about 4-5' in width & is marked by abundant limonite & Mnxs. The "vein" has sharp contacts with the enclosing limestone host rocks. The wallrocks are relatively unaltered & only show recrystallization & Fe-staining as an effect of alteration. The shear cuts across host rock bedding at almost 90 angle. Like other parts of the west side of the Highland Range, here the sedimentary section strikes N-S & dips gently eastward.

At the shaft, the limestone forms beds about 1/2-2' in width. These rocks are likely part of the upper Pioche (or possibly lower Lyndon) limestone units, of Cambrian age. Just east of shaft collar, the altered zone outcrops. The altered rock is punky in texture, somewhat silicified & stained & replaced by abundant limonite (plumbo jarosite?) & Mnxs. Calcite occurs in vugs & minor quartz veining evident. "Vein" does not persist in outcrop along strike to east.

Sample 1439 consists of marly, limonitic & Mn-stained, altered vein material with specular hematite on fracture surfaces, oxidized pyrite (& possibly magnetite) in quartz vein & minor malachite (1 speck observed). Rock is completely altered, somewhat silicified & dense.

REMARKS: Sample 1439.

REFERENCES:

EXAMINER: Bentz/Smith

DATE VISITED: 8/26/83