

1180 0021

PROPERTY NAME: Forlorn Hope Mine

OTHER NAMES: \_\_\_\_\_

MINERAL COMMODITY(IES): Pb, Cu, Zn?, Ag?TYPE OF DEPOSIT: Replacement - vein

ACCESSIBILITY: \_\_\_\_\_

OWNERSHIP: Nerco?Kerr-McGee?

PRODUCTION: \_\_\_\_\_

HISTORY: \_\_\_\_\_

County: LincolnMining District: Highland \*(see below)AMS Sheet: Caliente cometQuad Sheet: Highland Peak 7 1/2'Sec. 29, T 1N, R 66E

Coordinate (UTM):

North 4 1 9 9 1 2 5 mEast 0 7 1 1 0 9 0 mZone +11DEVELOPMENT: One N25E - trending adit.ACTIVITY AT TIME OF EXAMINATION: Nerco doing intitial exploration & assessment work on their claims in this area. Some evidence of recent sampling of dumps.

GEOLOGY: No structure observed at site as adit begins in bouldery limestone/shale slope wash. However, as with other minesites along western range front, the host rocks consist of a homoclinal sequence of N-S striking, E-dipping carbonate & clastic sediments. The mine probably explores CM bed of Pioche Formation as bold limestone cliffs of Cambrian Lyndon Limestone outcrop a couple hundred feet above portal.

Most of dumps consist of purple-grey, laminated Fe-stained micaceous shales & siltstones, with less abundant grey-green carbonate rocks. The carbonates show evidence of recrystallization, containing remobilized pods of white calcite. Some of the shales contain finely crystalline pyrite (partially oxidized) disseminated throughout & in veinlets.

Sample 1444 was collected from the dump & consists of quartz manganese-siderite-sulfide ore which is quite dense. It contains unoxidized crystals & lenses of pyrite, chalcopyrite, possibly some black sphalerite? & minor galena. Rock differs from other mineralized rock found along western Highland Range in that it contains more pyrite & chalcopyrite & less Pb & Zn minerals.

\* County report puts this in Highland District.

REMARKS: Sample 1444.

REFERENCES: \_\_\_\_\_

EXAMINER: Bentz/SmithDATE VISITED: 8/27/83