

0850 0004

PROPERTY NAME: Mint MineOTHER NAMES: Burner Hill, Castaldi #1MINERAL COMMODITY(IES): Silver, Lead, ZincTYPE OF DEPOSIT: VeinACCESSIBILITY: East on Nev. 18 past Midas then north past Scraper Springs on Desert Ranch road.OWNERSHIP: R.L. Brown, Las Vegas, NevadaPRODUCTION: \$30,000 in 1880's *work suspended in 1893,*HISTORY: First operation in 1880's, no work recorded since that time, but exploration work (cuts and one adit) done in early 1970's.County: ElkoMining District: Burner HillsAMS Sheet: Mc DermittQuad Sheet: Burner Hills 7 1/2'Sec. 12, T 41N, R 47E

Coordinate (UTM):

North 4151910111010 mEast 0151219121510 mZone 11DEVELOPMENT: One drift along vein with stopes up, windlas shaft connects with adits, new adit south of camp cross-cuts to structure(?)ACTIVITY AT TIME OF EXAMINATION: None, new "Burner Hills Claims" notices.

GEOLOGY: Vein strikes N25°E dips 55° SE, can be traced from Mint portal S.E. thru old shaft to open cut near new cross-cut (adit). Vein is in pale green andesite porphyry. Vein zone is brecciated, with sulfides & quartz filling around brecciated andesite, sulfide-quartz appears to also have been brecciated, with late filling of barren quartz. Andesite appears to be intrusive in to thin-bedded cherts and shales of the Vinnini Fm(?) (Ordovician

Sulfides seen are galena, sphalerite, pyrite. Arsenopyrite is also reported to be present.

Sample MEV 375 (altered andesite) taken near portal.

Property revisited by Bentz/Jones on 5/29/82. - Sample 142 was collected from west striking adit & cut south of main workings of the Mint Mine. The cut is in andesite. Where unaltered the andesite contains biotite & feldspar phenocrysts & an abundance of lithic fragments (flow rock). The andesite is cut by several steep, hydrothermal fissure filled with clays & FeOxs. Throughout the entire cut the rock is propylitically altered or silicified & shows a sheeted fracture pattern. Sample 142 consists of pyritized andesite & andesite breccia.

Sample 143 was collected from the main Mint Mine workings. The adit now has H₂O running out of the portal. A high-grade pile outside adit was sampled for coarsely crystalline pyrite, galena, sphalerite & chalcopyrite vein ore contained in quartz vein or as breccia fragments in a quartz cemented andesite breccia. Large dump located near adit is mainly composed of andesite containing disseminated crystals of pyrite & arsenopyrite. Claim post on property reads Castaldi #1, P.O. Box 555, Las Vegas, NV.

Samples 142 & 143

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Photos.

REFERENCES:

(1) Emmons, W.H. (1910)-- Some Mining Camps in Elko, Lander, and Eureka Co., NV USGS Bulletin 408, pp 66-67.

(2) Smith, Roscoe M., (1976) Mineral Resources of Elko Co., NV USGS Open-file.

(3) Hope, R.A. & Coats, R.C., (1976) Prelim. Geol. Map Elko Co., USGS open-file map 76-779.

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EXAMINER: J.V. Tingley
Bentz/Jones

DATE VISITED: 7/24/79

5/29/82