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02/13/87

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: COPPER HILL

ALTERNATE NAMES:

MARICOPA COUNTY MILS NUMBER: 327

LOCATION: TOWNSHIP 7 N RANGE 4 W SECTION 16 QUARTER NE
LATITUDE: N 33DEG 57MIN 07SEC LONGITUDE: W 112DEG 40MIN 03SEC
TOPO MAP NAME: WICKENBURG - 7.5 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:

COPPER OXIDE
COPPER SULFIDE
SILVER

BIBLIOGRAPHY:

USGS WICKENBURG QUAD
ADMMR COPPER-HILL FILE

Copper Hill Group

6 miles

Mancos County

reference: Arizona Dept. of Mineral Resources

Copper Hill Group (file)

T7N R 4W Sec 16 NE ??

present owner:

minerals: copper, gold, silver

history of the area:

the property was worked prior to 1925. In 1925 a mining engineer Louis Huber recommended further exploration work be done on the property.

geology:

exposure of porphyry over an area of about 60 acres

ore: (1925)

average of 2.6% Cu with \$2.40 in gold + silver

E.J.Hussen.
Wickenburg, Arizona.

Dear Sir:-

Pursant to your request, I submit herewith the data collected on the Copper Hill mining property, following a preliminary survey of these claims. The time at my disposal was too short to allow more than a cursory examination, therefore the conclusions herein are based on the general features and surface mineralization.

The Copper Hill group of mining claims, consista of approximately 520 acres of unpatented territory, situated in the Vulture Mining District, Maricopa County, Arizona, about five miles south of Wickenburg. A portion of this property is traversed by the Hassayampa River, also the A.T. & S.F.Ry., two features of especial interest providing water and transportation. At present this property is reached by a wagon road, in poor condition, from Wickenburg, but in the evant operations are started this road could be improved at a small cost, or a new road built to the railroad approximately 1 1/2 miles from the deposit.

No surface improvemants or buildings are at present on the property. One shaft 103 feet deep, one shaft 40 feet deep, and numerous open cuts and trenches, comprise the development to date.

The main feature on the property, is an exposure of porphyry more or less mineralized over an area of approximately 60 acres. Copper is the predominating mineral, with minor values in gold and silver. The surface is leached to such an extent that careful inspection is required in most places, but the many shallow excavations all show more or less copper and indicate that more favorable ore can be expected in depth. Further development is neccessary to determine the extent of the barren and low grade capping. At the point where the 103 foot shaft is located, the mineralization is more pronounced. This shaft is in ore to the bottom, and two short drifts near the bottom are likewise. Hand samples show the carbonates, oxides, with some secondary sulphides, of copper, and gave returns from 4 to 18 per cent copper. Several samples taken at regular intervals gave an average return of 2.6% copper, with \$2.40 gold and silver. By selection a much higher average could have been obtained. The samples show that a gradual increase of values obtains as depth is reached.

Further development should be planned to ascertain the exact area of mineralization and the amount of overburden. It is suggested that a series of shollow churn drill holes be surveyed; to roughly outline the mineralized area, ~~after~~ which the advisability of further and deeper drilling will be determined.

Concluding, I wish to state that, in my opinion, this property has merit, and the work so far accomplished warrants further exploration, bearing in mind that it will be ^{the} development of low grade tonnage, rather than isolate bodies of high grade ore, that will determine the true value of this property. The treatment and recovery of values from low grade copper ores of this character, has beed definitaly determined thru the investigations and present practice of our largest copper producers and will present no obstacle to the successful operation of this property should further exploration determine the existance of large bodies of ore of commercial grade.

Respectfully submitted,
Louis Huber, E.M.

Phoenix, Arizona,
March 15, 1925.