



CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
3550 N. Central Ave, 2nd floor
Phoenix, AZ, 85012
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

The following file is part of the G. M. Colvocoresses Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

"D" h e.

QUARTZ KING (STATEMENT BY FLAGG 4/8/36)

Also known as Northside and Southside Mines and described to me some time ago by L. O. Howard.

Near Colorado River on Arizona side and below mouth of Bill Williams. Formerly owned by Osborne and later bought and developed by the silk buyer for Marshall Field and Co. who has put in some \$150,000.

There is here a great schisty shear zone some 1700' long and 500' wide and traversed in all directions by stringers with gold values.

On the Northside there is an inclined shaft and a lot of secondary gold in the fractures of the schist which makes a pretty showing and it is said that some quantity of the ore will run \$17.00 per ton.

On the Southside there is a vertical shaft from which there are a lot of drifts and crosscuts and a good deal of high grade ore, some running up to \$90.00 per ton has been gophered out by following irregular stringers, but no attempt has been made to develop or sample the main ore zone which could best be done by driving several crosscuts across the entire width of the ore zone and putting all of the spoil through the mill.

There is an excellent mining plant, also good camp buildings and an assay office and a fine building for the mill, but the mill machinery is very poorly arranged and unsuitable for its purpose and the present owner was robbed right and left by the Manager whom he finally fired and so he became disgusted and will do nothing more.

A very high purchase price was asked a few years ago but Flagg thinks that reasonable terms could now be made.

(I personally doubt if this property would prove up to expectations (over

S. J. B. B. B.

and would not recommend the rather expensive investigation unless
much favorable data could first be obtained)

Quartz King

See U. S. S. S. Bul #40-1

(Index # 331)

See dep. of Northern Yuma County.
p. 73 & 74.

MARKER DISTRICT

2/26/34

Interview with H. a. Howard.

Northside and Southside Mine, located near the Billy Mack and the Empire Arizona and formerly owned by Osborne.

Recently developed by two men who have now gone broke, and now under option to Howard.

About \$175,000 has been spent in development and principally on the surface where a very elaborate camp was built, also a mill which would not work.

Deposit is a shear zone between schist and amphibolite gneiss. Free gold in flakes is to be noted on the cleavage planes of the schist and Howard thinks this is well disseminated throughout the zone which has a width of 200 feet. There is also some copper which interferes with the free milling of the ore but Howard says is not enough to make cyaniding difficult. Property was originally opened as a copper mine and but little attention was paid to the gold.

Property is developed by many surface pits and inclined and vertical shafts with drifts and cross cuts at depth of 200'. Length of each showing is about 500' and indicated probable ore according to Howard is 1,400,000 tons which from incomplete sampling and past mill runs and shipments he thinks will average 0.5 oz. per ton (\$17.00 at present gold price).

One portion of deposit can be mined by steam shovels for a distance. Sulfides have not yet been reached.

The terms include a cash payment after sampling of \$25,000 and a thorough sampling and examination would cost about \$5000.

Purchase price for Southside is \$250,000, purchase price for Northside is \$250,000, for a 50% interest, payments on long terms, except for the \$25,000 mentioned.

(over)

Howard thinks that the property justifies a 500 tons mill.

Cost of mill and development and equipment would probably be \$500,000. There is mine plant, sufficient for development and a small mill could be used for test runs. There is ample water developed, a good pumping plant from the underflow of the Colorado River and ample ground for storing tailings. There are 26 claims all unpatented and also a section of land (160 acres) for pumping plant and mill site.

Working on a large scale Howard thinks that \$15.00 per ton should be recovered with mining and milling costs \$5.00 per ton or less.

On indicated tonnage this would mean a profit of \$14,000,000 (On Howard's estimates) which amply justified the indicated investment of \$1,000,000 for development plant and purchase price also the 50% profit on the northside mine which would go to the present owner.s

Howard agrees that a thoro examination and sampling is an essential preliminary to all future progress and may discuss this again if he can raise the money.

(I am inclined to think that, like most of these shear-zone deposits the values in this mine will prove very spotty, also that the leaf gold makes the ore look much richer than it is so that the average value may prove too low grade to leave any profit.)

76. 3c.

A. L. Flagg thinks that this property merits a ~~tho~~ preliminary investigation which would cost by \$500 & if the gave satisfactory results that a thoro sample by trenching, wining & bull tests ~~work~~ would be justified at total cost of say \$10,000 - 12,000. Terms might be revised & probably a good deal could be made.