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PRELIMINARY REPORT
ON
THE BRONZE KING MINING CO.,
GILA COUNTY, ARIZ.

BY
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INSPIRATION
ARIZ.
SEPT. 1930

REPORT ON
THE BRONZE KING MINING COMPANY
GILA COUNTY, ARIZONA

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INTRODUCTION.

A preliminary reconnaissance examination of the Porphyry and King of Bronze groups of claims owned by the Bronze King Mining Company was made on August 20 and 22, 1930, at the request of Mr. Wardlaw. No maps of the properties were available.

LOCATION.

The claims are all located in Gila County, Arizona, in the western portion of the Globe Mining District. The location given in a report for the Bronze King Company by Mr. C. M. Cooper is -

The King of Bronze group "lies along the extreme eastern part of the boundary line between Township 1 N, R 13 E, and T 1 S, R 13 E, east of the Gila and Salt River meridian."

The Porphyry group "is in the southwest corner of T 1 N, R 14 E, Gila and Salt River meridian."

THE PORPHYRY GROUP.

The Porphyry group consists of 22 unpatented claims about nine miles by road from Miami, and extends in a southwesterly direction from the Inspiration Needles Company, and adjoins the claims of the Pinto Valley Company on the northwest. Pinal schist, Madera diorite, Schultz granite,

basalt and Gila conglomerate, are exposed on the property. No evidences of commercial mineralization were seen in a walk around the approximate boundaries of the claims. A few shallow pits and caved tunnels did not show copper minerals on the dumps. It does not appear that the assessment work has been kept up.

Surface showings on this group of claims do not indicate that there has been any metallization of the schist - granite contact, and there is no possibility of a disseminated orebody as predicted by the owners. The claims are of no interest to the Inspiration Company.

THE KING OF BRONZE GROUP.

This group consists of 28 unpatented claims located on the ridge between Pinto Creek and Powers Gulch about 12 miles from Miami by road. Inspiration Mining reports 27, 36D, and 888 are on file at Inspiration, and deal with various portions of this group of claims.

The only new work, besides several shallow cuts which show stringery quartz mineralization with little copper and iron staining, is a shaft on the western portion of the property about 80 feet deep, and a crosscut from it which cuts a series of irregular and narrow seams of quartz, limonite, and bunches of oxidized copper ore in diabase. A reported assay of 3% copper for a width of 30 feet is probably high.

The mineralization on the claims where it is developed by cuts and tunnels is nearly entirely in diabase. The veins appear to be small discontinuous gash veins which have

some fair bunchy mineralization of copper, lead, and zinc. Some gold is reported from the War Eagle claim.

In connection with the King of Bronze group, the Carlota Mine was also visited. Extending across the Carlota claim and into the King of Bronze ground, the Kelly fault brings dacite into contact with diabase. Within the diabase there is considerable fracturing and crushing for a width of about 50 feet, and oxidized copper minerals have been deposited along seams and fractures in this zone. A considerable tonnage of copper ore assaying from 3 - 5% is reported to have been shipped to the smelter at Superior and to the International smelter at Miami during 1929. There is evidently a limited tonnage of oxide ore still in place, and the property should be kept in mind as a possible source of ore for the International smelter.

The Kelly fault zone can be projected through the King of Bronze holdings west of the Carlota, but there is no development upon it. An extension of the Carlota ore to the west is possible, and the small oreshoots along this fault zone within the King of Bronze ground are not improbable. The surface is too heavily covered with wash, however, to give any indication of such deposits.

Present development along stringery veins in diabase does not indicate that the property will ever be a large producer. Later development along the Kelly fault zone may show the presence of small orebodies, and leasing

operations on the small exposures of oxidized copper ore might prove profitable. The property has no interest for the Inspiration Company at this time.

Respectfully submitted,