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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: G.O. JOHN

ALTERNATE NAMES:
MONTANA GROUP

MARICOPA COUNTY MILS NUMBER: 560B

LOCATION: TOWNSHIP 6 N RANGE 4 E SECTION 31 QUARTER NW
LATITUDE: N 33DEG 49MIN 33SEC LONGITUDE: W 111DEG 59MIN 35SEC
TOPO MAP NAME: CAVE CREEK - 7.5 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:
COPPER OXIDE
SILVER
LEAD CARBONATE
GOLD LODE

BIBLIOGRAPHY:
USGS CAVE CREEK QUAD
ADMMR YREKA MINE FILE
ADMMR G.O. JOHN FILE
ADMMR "U" FILE

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine **G. O. John Claims**

Date **September 27, 1960**

District **Cave Creek District, Maricopa**

Engineer **Lewis A. Smith**

Subject: **Interview with Mr. Roy Knight (4818 E. Holly, Phoenix)**

Location: 1 mile west of Cave Creek Road along New River dirt road.

Mr. Knight stated that he had investigated these 3 claims with the view possibly of acquiring them. No work had been done for years on them. However, he later learned that the State plans to use Sections 30 and 31 for a state park and the G.O. John lies in the center of section 31, T. 6 N., R. 4 E., so that he dropped the idea.

The mine lies near the edge of a diorite intrusive into sericitic schists and bounded on the west by a jasper dike. This is typical of the general geology in that part of Cave Creek. Further east granite and granite porphyry intrude the schists in the vicinity of the Mormon Girl. The Thunderbird and Casuela mines lie to the west. Mr. Knight said there was a short tunnel and two 60 foot shafts along a fault vein structure which strikes NE and is nearly vertical. The values were in narrow stringers and lenses, and most of these were "consequential", but a few were of pretty good grade in copper and gold. The principal minerals are copper oxides (Chrysocolla and malachite) and some lead carbonate or sulphate. No evidence of stoping was seen. He said the vein structure extended into the claims to the north (presumably the old Montana group). He stated that the "Montana" group had two tunnels, one of which was open for more than 400 feet, but he saw little strong mineralization.

REFERENCES

See: E/MJ Oct. 9, 1920, p. 714 & areal geology map in file cabinet

Yreka Gold & Copper Co. Group (file)

"U" File Ag 1

MILS Sheet sequence number 0040130288