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## PRINTED: 03/22/2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: MORROW

ALTERNATE NAMES:

MOHAVE COUNTY MILS NUMBER: 372A

LOCATION: TOWNSHIP 11 N RANGE 14 W SECTION 3 QUARTER S2 LATITUDE: N 34DEG 19MIN 26SEC LONGITUDE: W 113DEG 42MIN 26SEC TOPO MAP NAME: ARTILLERY PEAK - 15 MIN

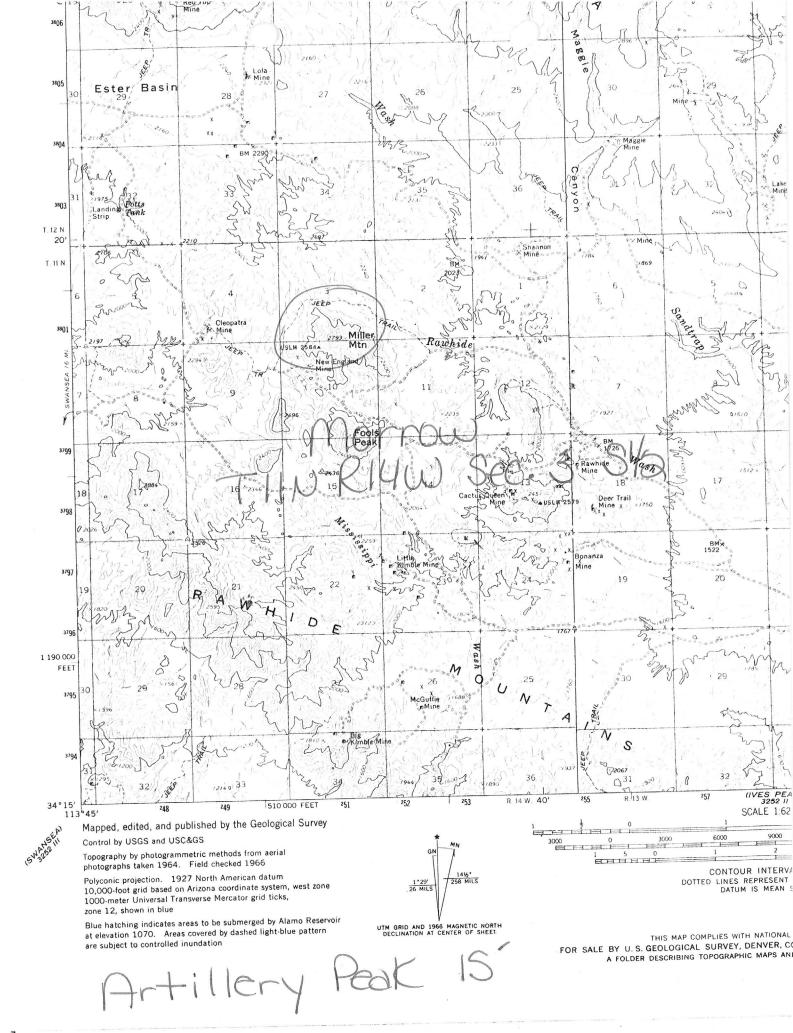
CURRENT STATUS: PAST PRODUCER

COMMODITY:

COPPER OXIDE COPPER SULFIDE SILVER GOLD LODE

**BIBLIOGRAPHY:** 

ADMMR MORROW MINE FILE ADMMR MOHAVE CUSTOM MILL PROJ. CARD FILE



No.

### DEPARTMENT OF MINERAL RESOURCES STATE OF ARIZONA FIELD ENGINEERS REPORT

MORROW MINE Mine

June 24, Date

1943 JUN 25 1943 PHOENIK,

WS215.0S

ARLONA.

17 18

BEPT. M'NC""

Owens, Mohave County, Arizona. District

Engineer Elgin B. Holt-

Subject:

BRIEF REPORT

E. E. Rodgers & George Howard, Alamo, Wenden, Arizona. **OWNERS**:

METALS: Copper, with a little silver and gold.

AREA - LOCATION: Property, consisting of one unpatiented mining claim, is located in the Owens Mining District, in Mohave County, Arizona, at a point on the north flank of Miller Hill and around 1.5 miles westerly from Rawhide. This mine, or rather prospect, was formerly owned by Arthur' Ryden.

EXAMINATION: I visited this property on June 15, 1943, in company with J. E. Rodgers, and again on June 19th, in company with one of the owners, Mr. E. E. Rodgers; the last time for the purpose of cutting some samples.

This property had been called to the attention of Mr. J. S. Coupal, Director, Department of Mineral Resources, by Billie Graham, and Coupal instructed me to investigate it.

GEOLOGY: The base of Miller Hill, in which property is located, as above set forth, is gneiss, which is capped by a band of quartzite from 20 to 40 feet in thickness. In turn, the quartzite band is capped by red sandstone conglomerate. The band of Quartzite mentioned is impregnated with red oxide of iron and bunches of high grade copper ore, malachite and chalcocite material. Below this mineralized band of quartzite, about 50 feet vertically, is a blanket vein of copper ore in the gneiss formation; the copper ore occurring in small lenses of no great importance. It was the object of my last visit to cut some average samples from the workings in the quartzite band in order to determine if the mine could produce a quantity of low grade, but probably marketable, copper ore.

MINE WORKINGS: A tunnel was driven on the blanket vein mentioned, in the gneiss formation, a distance of 249 feet; but no ore was found in this tunnel except near the portal thereof, where there is a small lens of ore from which Rodgers had mined about 5 tons of ore, still piled on dump, that assays, per Rodgers, about 8.5% copper. Another tunnel, known as the Upper Tunnel, was driven in the mineralized quartzite band for a distance of 75 feet; all in "ore" that looked like it might have commercial values in copper. Slightly above this latter tunnel is a short cross-cut in mineralized ground, showing bunches of copper ore in place.

<u>METHOD</u> OF <u>SAMPLING</u>: Assisted by Mr. E. E. Rodgers, I cut two samples in the said upper tunnel. Sample No. 1 was cut from roof to floor of tunnel, at several points, for a distance of 30 feet from portal of tunnel; and the various "cuts" mixed together, forming said Sample No. 1. Sample No. 2, was taken in like manner for a distance of 45 feet in back end of said tunnel; the various "cuts" being mixed, thus forming the said Sample No. 2. Sample No. 3, was taken up and down, across 4 feet of mineralized ground, in the face of the cross-cut tunnel mentioned.

MORROW

INE

The results, that is assay results of said samples are given in the following table, to-wit:

No.	Gold Per Ton Ozs. Value	Silver Per Ton Ozs. Value	Copper %
1.	0.02 \$0.70	2.20 \$1.56	0.45
2.	0.02 0.70	1.40 0.99	0.05
3.	0.01 0.35	0.80 0.57	0.25

Assays made by: R. V. McAllister, Kingman, Arizona, June 22, 1943.

#### REMARKS:

The results of the above sampling and assays show that the band of copper stained mineralized quartzite, which is also highly impregnated with red iron oxide, is not commercial ore; it being entirely too low grade to yield a profit either from shipping or milling operations.

However, it is quite possible that owners of this mine, or others, might make some profit by selectively mining the small lenses and bunches of goodly grade copper ores found in both the lower and upper working above described.

Elqui B. Ho

Elgin B. Holt, Field Engineer.

#### CERTIFICATE OF ASSAY FROM LABORATORY OF

# **R. V. McALLISTER**

ASSAYERS, CHEMISTS, METALLURGISTS

SAMPLES NOT KEPT OVER 30 DAYS EXCEPT BY REQUEST

SAMPLES SENT US BY MAIL WILL RECEIVE PROMPT ATTENTION

Elgin B. Holt

FRONT STREET

KINGMAN, ARIZONA

FLOTATION TESTS

CYANIDE TESTS

PHONE BLUE 252

194\_\_\_

June 22, 1943

FEICE					GOLD, PER TON			SILVER, PER TON			1	TOTAL VALUE GOLD & SILVER	COPPER		LE	LEAD PER CENT		ZINC PER CENT			
UMBER		OWNER'S MARK				OUNCES		VALUE		OUNCES		E	GOLD & SILVER	COPPER PER CENT		PER CENT		PER CENT		PER	
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