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Arizona Department of Mines and Mineral Resources Mining Collection

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04/17/87

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: KAY COPPER

ALTERNATE NAMES:

MOHAVE COUNTY MILS NUMBER: 129C

LOCATION: TOWNSHIP 23 N RANGE 18 W SECTION 24 QUARTER NW
LATITUDE: N 35DEG 22MIN 29SEC LONGITUDE: W 114DEG 09MIN 40SEC
TOPO MAP NAME: CERBAT - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

COPPER SULFIDE
GOLD LODE
ZINC SULFIDE
LEAD SULFIDE
SILVER

BIBLIOGRAPHY:

ADMMR KAY COPPER MINE FILE
ADMMR MOHAVE CUSTOM MILL PROJECT
BASTIN, E.S. "ORGN OF CRTN RCH SLVR ORES NEAR CHLORIDE & KNGMN, AZ" USGS BULL 750-B, P 30
BLM AZ. MIN. CLAIM FILE #13342

KAY COPPER MINE MOHAVE

KINGMAN MINING PROJECT, COMET #1, Claim map 1, 11/16/76

NAME: KAY COPPER (P) Cobalt ? COUNTY: MOHAVE

T 23N R 18 W SEC. 24 Elev. Approx 4400 DISTRICT: WALLAPAI

1/2 Mile N.W. Mineral Park N. Central

Mineralization: Cu Pyrite, Sphalerite, Tennantite, pearcite, proustite, galena, Chalcopyrite

Geology: aDAuAg

Type Operation:

Production:

References: USGS 750 P 30 From Householder May. 1927 Mines Handbook 1924 p 282

cupping file

Mohave Cty Card File

NAME OF MINE: KAY

COUNTY: MOHAVE
DISTRICT: MINERAL PARK
METALS: CU

OPERATOR AND ADDRESS:		MINE STATUS	
DATE:		DATE:	
	Mineral Park Copper Co. J. L. Hylton J. H. Hoffman Box 534, Kingman	3/1/44	Closed

SEE: MINERAL PARK COPPER CO. (file) MOHAVE COUNTY.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine KAY COPPER. Cu. Date June 14, 1943

District Wallapai Engineer Earl F. Hastings

Subject: Reconstruction Finance Corporation
Mine Loan

Docket No. Phx C-210
Date Application Received June 9, 1943
Date of Report June 14, 1943

1. Name and address of applicant (correspondent):
John H. Hoffman, Box 534, Kingman, Arizona.

2. Character of project and estimated cost thereof:
Cu. Unwater 70 foot Kay shaft and sample lateral workings therefrom.

3. Location of property:
Wallapai Mining District, Mineral Park area, Mohave County, Arizona.

4. Applicant's interest in or ownership of property:
Applicant holds 5 year lease at 10 percent royalty with option price of $25,000.

5. Loan requested:
$2,500.00.

6. Loan recommended:
$2,500.00.

7. Comments:
(A) This property has been examined by the writer several years ago on several occasions in company with B. E. Charles, Mining Geologist, and M. C. Richardson, Mine Manager of Producers Mines, Inc. The examinations were made for the purpose of a contemplated joint operation by Mr. Richardson and the writer. No formal report was therefore compiled, and the project was scrutinized primarily from a gold production standpoint, as copper was of marginal value at best. At that time the commercial prospects of the mine were not commensurate with the risk involved.

The investigation above referred to revealed a historical background substantially as outlined in the docketed material. The verbal statements of Lyon M. Kay and Lucky M. Kay at that time were similar to their affidavits of June, 1943.

(B) The entire evaluation of the property must be based upon the above affidavits as other evidence is deductive only.

Geographically and geologically the mine is favorably located. While being in a highly mineralized and productive area, it is one in which copper occurrence has not been of great commercial interest, the greater production having been from lead-zinc depositions which were mined primarily for their precious metal content.

Some copper is to be noted in the ores of many of the mines in the Cerbat Range, often in appreciable amounts. The copper usually occurs as chalcopyrite, although the major copper project now contemplated for the area, the Emerald Isle, is not comparable in character of ore or deposition.

The Kay statements can (and possibly should) be discounted to some extent. The value of leached dump material visible plus reported shipments does not indicate a 3% to 5% copper content for the entire 135 foot cross cut even after allowing a considerable loss by leaching of dump material.

The volume of dump material estimated in the Dunham report exceeds the size of development excavation by several hundred tons. This precludes the possibility of unreported shipments which would raise the value of ore, unless there has been stoping to some extent and rejects placed on the dump.

(C) The project therefore does not appear to have the large tonnage of low grade shipping ore (3 - 5%) anticipated by the applicant.

It does appear that a smaller and higher grade volume of ore can be produced, but that this grade and quantity cannot be calculated in the absence of specific facts.

(D) Reason for approval of this loan in the face of the preceding unfavorable conclusions can be listed as follows:

1. Personal investigation of some of the shallow workings showing narrow high grade gold ore, containing appreciable copper, in place. This ore lends credence to -

2. The massive specimens of chalcopyrites in the possession and the Kays' and claimed by them to have been removed from the cross cut under consideration.

3. The relatively small expenditure in money and man power which would be required to definitely determine the accuracy of eye witness accounts of the ore occurrence. Any reasonable degree of accuracy would make this project well worth the expenditures involved.

ARIZONA DEPARTMENT OF MINERAL RESOURCES

Earl F. Hastings, Projects Engineer

NAME OF MINE: KAY

COUNTY: MOHAVE
DISTRICT: MINERAL PARK
METALS: CU

OPERATOR AND ADDRESS: DATE:		MINE STATUS DATE:	
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ARIZONA DEPARTMENT OF MINERAL RESOURCES

Earl F. Hastings, Projects Engineer