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RECONSTRUCTION FINANCE CORPORATION
MINING DIVISION
REPORT OF SUPERVISING ENGINEER

Docket No: B-119
Date Authorization for Examination Received: Sept. 20, 1945
Date of Examination: Sept. 24-25, 1945
Date of Report: October 10, 1945

1. NAME AND ADDRESS OF APPLICANT:

Keith Knight
P. O. Box 7
Sells, Arizona

Correspondent: Same

2. CHARACTER OF PROJECT:

To prospect for gold by sinking a 100 foot shaft in hanging wall of vein.

3. LOCATION OF MINE:

In T. 14 S., R. 1 E., Pozo Blanco Mining District, Pima County, Arizona. The nearest railway station is Casa Grande, Arizona, approximately 72 miles distant. The road from the Tucson - Ajo highway is in very poor condition - just barely passable, but the Tucson - Ajo highway and the road from Covered Wells to Casa Grande is an improved dirt type road and passable.

4. APPLICANT:

Applicant is 60 years old, and at one time was superintendent and half owner of the Morgan Gold Mine near Quijotoa, Arizona.

Applicant applied for a loan on a lead property he owns, and was denied (Docket No. B-ND-4191) in July, 1942.

5. LOAN REQUESTED:

\$7,900.00.

Loan not recommended.

6. DESCRIPTION OF PROJECT:

Applicant owns three unpatented mining claims named the Cara Vaca 1, 2 and 3 in the Papago Indian Reservation and, according to his statement, located them in 1940 but had to discontinue development because of the gold mine closing order. All the applicant had to show at the property was an open cut 30 feet long, 7 feet deep and 8 feet wide. The inclined shaft shown on his sketch was caved in in such a manner as to be dangerous to enter. From the dump material it appeared that the applicant had re-located the old incline shaft and was attempting to obtain money to sink in the hanging wall to intersect the downward extension of the small ore shoot. From the condition of the open cut I could not see where the applicant cut his samples across the ore. Therefore, I had him cut me two

6. DESCRIPTION OF PROJECT: (Contd)

samples where he cut his No. 1 and No. 2, for No. 3, apparently, was away from the high grade ore shoot.

Sample No. 160 was cut where his No. 2 was taken, and he cut it down the face of the cut which is parallel to the footwall of the ore zone. Actually, the sample cut about 4 inches of ore. The assays are as follows:

RFC 160:	32 inch cut	.16 ounces gold
Applicant's No. 2:	36 inch cut	.54 ounces gold.

Sample No. 161 was cut where applicant's No. 1 was taken and was cut in the same manner except on the opposite wall of the cut as shown in his sketch. The samples assayed as follows:

RFC No. 161:	36 inch cut	.38 ounces gold
Applicant's No. 1:	36 inch cut	1.35 ounces gold

It was impossible to cut across the true thickness of the mineralized limestone as the cut was full of muck and broken rock the applicant had taken out in mining the surface stope. Applicant admitted we had caught him unprepared in not having his showing in better shape.

I spent considerable time with this applicant looking at all the rocks and exposures he had to show, because if I had left without looking around, his answer to the declination would be that I had not examined everything he had to show. It is just as well that I did take a few more hours to examine the immediate area, for it appears that the Bolsa quartzite and limestones associated with it are overturned and possibly thrust faulted on the old igneous complex.

The mineralization is along a limestone bed near the contact between the tilted limestone-quartzite block and the old igneous complex, and from an examination of the material on the dump near the caved incline shaft, it appears that the shaft went down to the old complex and then levelled off into the hanging wall. It is assumed, therefore, that the mineralization extends only to the complex where it is cut off. Thus the total depth of mineralization is about 20 feet. I examined all the contacts, about three-quarters of the distance around the block, and I am certain that the mineralization did not come up through the igneous complex.

7. COMMENTS OF SUPERVISING ENGINEER:

From my examination of applicant's one spot where mineralization occurs, it is my conclusion that what the applicant proposes to do is prospecting, a purpose for which loans are not granted. I do not recommend a loan.

CAR:gmk

CHARLES A. RASOR
Supervising Engineer

Attachments:
Assay Data

