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RECONSTRUCTION FINANCE CORPORATION
MINING DIVISION
REPORT OF SUPERVISING ENGINEER

Docket No: ND-8749
Date Authorization for
Examination: August 22, 1945
Date of Examination: August 27, 1945
Date of Report: September 6, 1945

PREFACE

This report considers applicant's second request for loan funds. Under Docket No. ND-8515 applicant applied for a loan of \$4760.00 to do additional development work in a shaft that had water which might come from the Colorado River. The loan was declined September 10, 1943, because of insufficient evidence to indicate that a sustained operation might result from the low grade of the ore.

1. NAME AND ADDRESS OF APPLICANT:

Howard P. Duffy
Parker Dam, California

Correspondent: Mrs. Catheryne Duffy
Parker Dam, California

2. CHARACTER OF PROJECT:

To develop copper-gold property by sinking and drifting two different places on property. (Applicant insisted I recommend which of the two places was the better for spending the money. I told applicant that I could make no recommendation of that kind.) If the applicant does not know where he wants to work, it is certainly not for me to tell him.

3. LOCATION OF MINE:

In Section 33, T. 11 N., R. 18 W., Williams Mining District, Yuma County, Arizona, about 23 miles from Parker, Arizona, the nearest railroad shipping point.

There is no road from applicant's cabin to the place where applicant proposes to work. If there was a road once it was in a gulch which is now filled with boulders from 6 inches to 18 inches in diameter. We were forced to walk about one mile to examine the holes.

4. APPLICANT:

It is doubtful that the applicant would be competent in handling loan funds.

5. LOAN REQUESTED:

\$4525.00.

Not recommended.

6. DESCRIPTION OF PROJECT:

Apparently, applicant has more than one claim under lease because this application covers a portion of the area at least one-half mile from the area considered under Docket No. ND-8515.

6. DESCRIPTION OF PROJECT: Cont.

I arrived at the property, after obtaining a pass from the Bureau of Reclamation to cross the Parker Dam, about 3:30 PM. It was impossible to drive a car to the area to be examined as a cloudburst had filled the arroyo with boulders and rubble of all descriptions. I doubt very seriously that an access road was ever built on the property for on the way out the applicant boasted of packing 400 pounds of ore out to his laboratory stamp mill. The distance is at least one mile.

On the way in we stopped for a moment to look at the shaft on which he previously had applied for a loan (Docket No. ND-8515). There was a ton or two of oxidized copper ore on the dump.

Moving on up the gulch we came to the place where two crosscut tunnels extended into the hill. They were about 50 feet vertically apart and possibly 50 feet apart horizontally. Another tunnel directly off the gulch had water within covering tools and supplies. We climbed to the top of the bluff to look at the outcrop. There was a little showing of copper stains above one tunnel, but the vein did not show pronounced mineralization. It had a strike of N 40° E. Applicant then took me over to a shaft he had been working in about 600 feet west of the tunnels and on another fissure that had a strike of N 40° E. The fissure dipped 47° SE and the open hole (shaft) was down 20 feet.

Applicant then explained he originally wanted to sink 150 feet on this exposure but after talking it over with an engineer in the Phoenix office had changed his application to do the work in the tunnels with loan funds. He asked me to recommend where he should spend the loan funds. I refused, but told him I would take some samples in the bottom of the shaft. Three samples were cut at the shaft bottom with the following results:

Sample No. 1 across 36 inches was on the footwall side of the vein on south side of shaft. It assayed .04 ounces gold and 1.35 percent copper.

Sample No. 2 is a continuation of No. 1 across 50 inches of vein matter. It assayed .01 ounces gold and 1.3 percent copper.

Sample No. 3 taken from north side of shaft across 24 inches of vein material that showed a little more copper color assayed .01 ounces gold and 2.7 percent copper.

The shaft appeared to be down on a small lense of vein material for there appeared no surface extension.

I then went back to the 54 foot upper tunnel to look at the vein which was cut. The vein was not strong in mineralization and since the applicant had already cut three samples that were too low grade for consideration (see assay certificate of applicant) I did not cut any.

A loan is not recommended because the field evidence did not indicate any extension of the vein sampled, because the grade of ore sampled is too low grade for consideration, and because it is unlikely that ore of better grade will be encountered by either sinking the shaft to a greater depth or by drifting on the vein exposed by the upper tunnel.

Docket No. ND-8749
Howard P. Duffy

Report of Sup. Engr.
September 6, 1945

6. DESCRIPTION OF PROJECT: Cont.

Other serious obstacles that detract are the permits necessary to travel back and forth across the Dam and the lack of a road into the actual workings. Also, applicant had no equipment on the property, although he did say that his equipment was rented out. The property is merely a prospect and not worthy of a loan.

CHARLES A. RASOR
Supervising Engineer

CAR:gmk

Attachment:
Assay Certificate

CLAUDE E. MCLEAN
P. O. BOX 1888

ARIZONA TESTING LABORATORIES

TELEPHONE 3-6272

ANALYTICAL AND CONSULTING CHEMISTS
ASSAYERS, MINING ENGINEERS
823 EAST VAN BUREN STREET

ASSAY CERTIFICATE

Sept. 1

194 8

M W. C. A. Rasor, Supervising Engineer, I.P.C.,
525 Board Building,
Phoenix, Arizona

PHOENIX, ARIZONA,

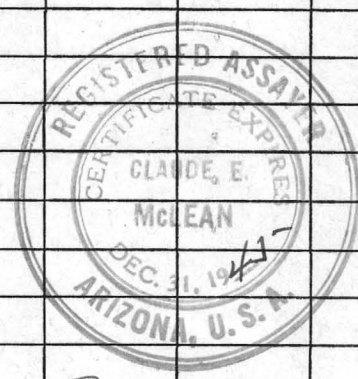
WE HAVE ASSAYED THE SAMPLES RECEIVED FROM YOU AND FIND THE RESULTS AS FOLLOWS:

GOLD FIGURED AT \$ 35.00 PER OUNCE.

SILVER FIGURED AT \$ 0.70 PER OUNCE.

LAB. FORM 2

LAB. NO.	SAMPLE	GOLD		SILVER		PERCENTAGES		
		OZ. PER TON	VALUE	OZ. PER TON	VALUE	COPPER	LEAD	
57697	#1 36" Footwall	0.04	0.40	0.40	0.28	1.35%		
57698	#2 50" Cut	0.01	0.35	0.20	0.14	1.30%		
57699	#3 24" Cut	0.01	0.35	0.40	0.28	2.70%		
	Duffy Property							



CHARGES \$ 6.00

RESPECTFULLY SUBMITTED,
ARIZONA TESTING LABORATORIES
BY Claude E. McLean ASSAYER

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine ° BLACK METAL COPPER Date September 8, 1943
District Williams Engineer Earl F. Hastings C
Subject: Reconstruction Finance Corporation ↙
 Mine Loan

Docket No. Phx C-244
Date Application Received September 7, 1943
Date of Field Examination (Elgin B. Holt) September 2, 1943
Date of Report September 8, 1943

1. Name and address of applicant (correspondent):
° Howard P. Duffy, Parker Dam, California.
2. Character of project and estimated cost thereof:
° Cu. Sink shaft 100 ft. to 162 ft. level and drift 100 ft. \$4,760.00.
3. Location of property:
Williams Mining District, Yuma County, Arizona.
4. Applicant's interest in or ownership of property:
Applicant is one of two partners holding a lease from the inactive partner. This lease is for a term of 5 years at 10 percent royalty with a monthly minimum payment of \$50.00.
5. Loan requested:
\$4,760.00.
6. Loan recommended:
None.
7. Comments:
 - (A) The ore exposure is narrow and not particularly high grade. The gold value is erratic but enhances the possibilities of profit. While the copper content is not sufficiently high to be of material interest, the ore is low in alumina and suitable for fluxing. There is no evidence of lateral continuity other than surface exposure.
 - (B) The shaft bottom is at the same elevation of the Colorado River. The vein is brecciated and there is evidence of local and general movement. While the vein is roughly parallel to the river and some 2,000 feet distance from it, there is the possibility that water below the present shaft bottom would present a serious difficulty.
 - (C) The location of the property in relation to smelting facilities, the general tenor of the ore, the irregularity and general limited width of the more mineralized portions of the vein, together with absence of proof of lateral extent of ore do not combine to support a favorable opinion of production possibilities.

As opposed to this an access road has been approved to the property following an examination by an engineer of the U. S. Bureau of Mines. This road may be a joint project for this and other properties rather than for this mine alone.

In any event, the engineering data pertaining to the road project should be scrutinized before a decision is rendered on this application.

On the basis of the docketed evidence along the loan cannot be recommended.

ARIZONA DEPARTMENT OF MINERAL RESOURCES

Earl F. Hastings, Projects Engineer