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RECONSTRUCTION FINANCE CORPORATION
MINING SECTION
REPORT OF SUPERVISING ENGINEER

Docket No: ND-8753
Date of Examination: Oct. 9, 1945
Date of Report: Oct. 19, 1945

1. NAME AND ADDRESS OF APPLICANT:

C. L. Orem
38-40 West Pennington St.
Tucson, Arizona

Correspondent: Same

2. CHARACTER OF PROJECT:

To reopen shaft and underground working of a copper mine.

3. LOCATION OF MINE:

In Sections 10, 11, 14 and 15; T. 17 South, R. 12 East, Pima Mining District, Pima County, Arizona, about 8 miles from Sahuarita, Arizona, the nearest railroad station. The dirt roads are good throughout the year.

4. APPLICANT:

C. L. Orem is a mining engineer. He has prepared applications for other applicants than himself, and in that way we have had considerable experience with Mr. Orem. He usually colors the data in rosy manner.

5. LOAN REQUESTED:

\$5000.00.

None recommended.

6. DESCRIPTION OF PROJECT:

The applicant has a lease and option to purchase two patented mining claims, the Camden No. 2 and Camden No. 3, from Fred W. Fickett, an attorney in Tucson, Arizona. Mr. Fickett purchased these claims from the County Treasurer by paying the back taxes that had accumulated for a period of ten years.

Applicant insisted that an engineer be sent to check immediately and go over the ground. I spent Tuesday morning, October 9, 1945, walking over the ground and listening to applicant's arguments as to the value of the property and why it should receive a loan. Applicant admitted that the only reason he wanted an engineer on the property was to impress him, as he was told that was a good method to get one of these Preliminary Development Loans through.

The underground workings are caved and inaccessible so that most of the morning was taken up in examining the dumps. There are supposed to be some 5000 feet of underground working in the main shaft, but only a little over 100 feet in the Billings Shaft. Most of the dump

material consists of pyritized andesite that has weathered to a characteristic light yellow. Scattered over the dumps are small pieces of quartz veinlets containing associated galena and sphalerite. When the applicant would break open some of these pieces that gleamed with galena, he would exclaim, "Look at that rich ore."

The dumps fail to show that any commercial ore exists underground, and confirms the assay record from C. J. Sules' report on the Billings shaft. The applicant prefers to disregard the low assays and accepts only No. 8 which assays 4.05% copper and No. 13 which assays 4.92% copper and assumes that the area outlined on his map, approximately 100 feet long, will average 4.0% copper. In Libby's report, page 4, an average assay of the area which the applicant proposes to reopen is given as follows:

<u>Gold</u>	<u>Silver</u>	<u>Copper</u>	<u>Lead</u>	<u>Zinc</u>
.0102	1.202	.25%	1.9%	3.8%

An arithmetical average of the assays from the Billings shaft workings gives:

<u>Gold</u>	<u>Silver</u>	<u>Copper</u>	<u>Lead</u>	<u>Zinc</u>
.01 oz.	1.7 oz.	1.0%	1.1%	2.3%

These assays indicate mineralized country rock and too low grade for milling when other shippers in the district require from 12 to 16% combined metals to break even.

7. COMMENTS OF SUPERVISING ENGINEER:

The data fails to indicate that, by reopening the Billings shaft, sufficient ore of a commercial grade will be found to sustain a profitable mining operation. A loan is not recommended.

CHARLES A. RASOR
Supervising Engineer

CAR:gnk