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DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine "BOSTON. Cu.
District Pioneer
Subject: Reconstruction Finance Corporation
 Mine Loan

Date July 31, 1943
Engineer Earl F. Hastings

Docket No.

Date Application Received

Date of Field Examination

Date of Report

(Macfarlane)

Phx C-226

July 26, 1943

May 27, 1943

July 31, 1943

1. Name and address of applicant (correspondent):

"Arthur R. Flint, Box 481, Superior, Arizona.

2. Character of project and estimated cost thereof:

"Cu. Sink 125 foot winze on ore shoot, \$2,500.00.

3. Location of property:

Pioneer Mining District, Pinal County, Arizona.

4. Applicant's interest in or ownership of property:

Applicant is owner by location.

5. Loan requested:

\$2,500.00.

6. Loan recommended:

\$2,500.00.

7. Comments:

(A) A narrow but extremely persistent and high grade vein of copper ore apparently exists and is exposed on the 70 foot level of this property.

Selected ore, obtainable by careful mining and sorting, should average 12 percent copper. Such production cannot be made in appreciable quantity, but can be obtained with a minimum of equipment and labor per unit of possible copper production.

(B) A limited tonnage of mineable ore is currently exposed above the 70 foot level. Samples of ore on the 70 foot level drift floor indicate a general width and tenor worthy of further vertical development. Lateral ore limits have not been bounded, but offer further development possibilities.

(C) While the total production of this property will be extremely small, it is considered that the visible evidence fully warrants the expenditures outlined and this loan is therefore recommended.

ARIZONA DEPARTMENT OF MINERAL RESOURCES

Earl F. Hastings, Projects Engineer

AR Flint

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine BOSTON

Date May 27, 1943

District Pioneer, Pinal County, Arizona

Engineer A. Macfarlane

Subject: Examination for loan application.

Property: Consists of one full claim situated about 4 miles westerly from the center of Superior, air line, by road a distance of about 6 miles, this stub road is in fair condition for ore trucking to the Magma Smelter.

Vein Occurrence: In a schist formation near an intrusive of igneous origin, a small vein approximately from 1' to 3' thick, cropped to the surface forming the discovery point, on which an 50 degree incline shaft has been sunk to a total depth on this incline of about 70'.

Forty feet below the collar of the incline, the dacite flow cut across the shaft from west to east and faulted out the vein until picked up again at about 30' easterly from the shaft on the 70' level.

Easterly from the fault the vein structures a defined foot and hanging wall continues, and within these walls, lenses of copper ore of a rather high grade tenor are visible. These lenses will range in width from 1' to 2', the copper content being about 12%, if not diluted with too much other vein filling.

Mine Workings: Are limited to the 70' incline and three short drifts extended from 40' on the 50' and 70' levels and a drift and stope on the 30' level fully 100' east from shaft end. (See attached sketches.)

About 150' easterly from the incline a shaft about 35' deep has been sunk in the schist, this has not reached the 50 degree southeast dip of the vein, and there are no evidences of ore in this shaft.

The 70' incline and drifting therefrom makes in all 250' of exploration openings, the entire extent of development to this time.

Proposed New Development: For the purpose of exploring the copper shoot now visible and to make ore available in a paying quantity, the owner, Mr. A. R. Flint, proposes to extend the east heading, an additional 100 lineal feet, and to sink a winze about 50' where the pay ore is widest and within good walls, also to upraise on the vein about 20' to connect with the 50' level heading.

This new development is believed will all be on ore, the vein matter is not hard, the hanging wall is firm and practically, no timbering is required, except in stoping; this amount of exploration 170 lineal feet will all cost about \$1,800.00 for labor and materials.

Timber, lumber, hardware, a small amount of light track rail and about 300' of small piping, to accomplish the above development work, all will cost \$400 or \$500 which with accounting and reports will make a total of about \$2,500.00 needed to perform this exploration.

The attached sketch maps aim to further explain the above written description and to place an estimate on the measured and indicated ores now to be considered.

Equipment: The incline shaft is safely timbered to the 70' level and a 6 horse power hoist all in good working order, with 300' of new 3/8" steel cable, and 1/3 ton skip, all makes an efficient small hoisting plant.

An air compressor made of two auto engines is also housed near shaft collar, this is said to be in working order and capable of supplying over 100 cu. feet of free air up to 80# pressure, the air drill was sent away for repairs.

To accomplish the proposed mine development, no major machinery outlay is required, it is proposed to sink the winze from floor of east drift, to a depth of about 50' by windlass, the sump in the bottom of the incline shaft, will be deepened to accumulate some 200 to 300 gallons of water, making in the 70' level.

A good two room cabin accommodating the owner and two other workers is now erected on the claim, and a supply of all required small tools are in the cabin and hoist room.

Estimated ores: The drifts now extended along the vein and above the back of the 70' level, about 200 tons copper ore can be mined.

This ore will assay 12% Cu. per the last settlement for ores sold from this ground, a total of 48,000#.

The proposed development it is estimated will make measurable an additional 600 tons copper ore of the 12% grade, this ore will work out about as follows:

	Net to Seller	Per Ton
800 tons 12% Cu. smelting loss 10% is 216# net at 15 cents		\$32.40
Estimated stoping cost all charges included at per ton		<u>10.00</u>

Each ton net gain.... \$22.00

800 tons times \$22.00 is \$17,600.00 this will repay a loan of \$2,500.00 and leave a profit. 5,000.00 Smelting and trucking charges
\$12,600.00 Estimated net gain.

Conclusion: While this prospect is small, the proposed development will be made as a continuation of narrow but high grade ore now visible in the short drift backs, and this new work, stands a fair chance of making available, the estimated indicated ore.

Management: The owner, Mr. A. R. Flint, is a hard economical worker and I feel that every dollar he expends, will be properly applied towards the proposed development.

(Signed) A. MACFARLANE

RECONSTRUCTION FINANCE CORPORATION

325 Heard Building
Phoenix, Arizona

LIQUIDATION REPORT

Borrower: Arthur R. Flint
Docket No. ND-8439
Date of Report: April 22, 1946

1. NAME AND ADDRESS OF APPLICANT:

Arthur R. Flint
Box 481
Superior, Arizona

2. LOCATION OF PROJECT:

In Sec. 16, T. 12 E., R. 1S., Pioneer Mining District, Pinal County, Arizona, about 8 miles from Superior.

3. AMOUNT OF LOAN AND DATE OF AUTHORIZATION:

A loan of \$2500.00 was approved, August 13, 1943, to the Borrower.

4. PURPOSES FOR WHICH LOAN WAS EXPENDED:

Loan was expended to sink a winze on a narrow seam of high grade copper ore. Borrower actually sank 25 feet and then raised 85 feet for a new shaft.

5. EQUIPMENT:

a) Acquired with loan funds.

1 - Pacific Bit Grinding Attachment	\$10.00
4 - Used Emery Wheels	2.00
Total -	\$12.00

b) Equipment worth salvaging.

None

c) Disposition of any equipment.

None

d) No equipment to liquidate.

6. PROPERTY:

Borrower is the owner of one unpatented lode mining claim.

7. COMMENTS:

This operation ceased in April 1946, and was last visited by Supervising Engineer on June 9, 1944. A letter was sent to Borrower on October 2, 1945, requesting status of operation, but was unanswered. Borrower shipped 25 tons of ore and realized \$64.70 from the smelter in premiums. Rumor has it that Borrower went south with last withdrawal funds and gas tax refunds. There is \$38.70 in the account which should be recaptured.

Liquidation Report

Borrower: Arthur R. Flint

8. CONCLUSIONS:

The proposed project failed to develop any material quantity of ore, and the property is believed to be of no value. Consequently, the loan should be considered a loss.

9. RECOMMENDATIONS:

It is recommended that this account be closed when the remaining funds in account are applied on Borrower's indebtedness.

CHARLES A. RASOR
Supervising Engineer

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