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Reconstruction Finance Corporation Arizona Records

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DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Granted

Mine NEW HOPE. Cu. Date May 24, 1943
District Amole Engineer Earl F. Hastings
Subject: Reconstruction Finance Corporation
Mine Loan

Docket No. Phx C-197
Date Application Received May 17, 1943
Date of Report May 23, 1943

1. Name and address of applicant (correspondent):
James R. Cray, 4136 Washington Blvd., Chicago, Illinois.
2. Character of project and estimated cost thereof:
Cu. Unwater shaft to lowest level, 105 feet, and rehabilitate lateral workings therefrom. \$5,000.00.
3. Location of property:
Amole Mining District, 18 miles northwest of Tucson, Pima County, Arizona.
4. Applicant's interest in or ownership of property:
Applicant holds bond and lease at 10% royalty.
5. Loan requested:
\$5,000.00.
6. Loan recommended:
\$5,000.00.

7. Comments:
(A) The James M. Hall report and sampling show an ore shoot 80 feet long, 2 feet wide, and assaying 5.5% copper on the 35 foot level. The ore as plotted is moderately uniform in width and value.

(B) Some stoping is reported below to the 75 foot level and the Hall report contends that the 105 foot level is entirely in ore along its length. This statement is qualified as being obtained verbally from one who was on the level. Such information is not particularly authentic but is acceptable in that the strength of the shoot might easily make possible downward continuity to and beyond the 105 foot level.

With no known limiting factors, and considering consistency of the exposure sampled, it seems justifiable to make accessible the entire workings for more thorough examination.

(C) Assuming that the 105 foot level is found to be in ore comparable in width and value, there would be some 1300 tons, less that already stoped, available or slightly in excess of 50 tons of copper. With possible lateral vertical and horizontal development possibilities this production would seem worth the risk involved.

ARIZONA DEPARTMENT OF MINERAL RESOURCES

Earl F. Hastings, Projects Engineer

New Hope Mine

RECONSTRUCTION FINANCE CORPORATION
MINE LOAN DIVISION
SUPERVISING ENGINEER'S PROGRESS REPORT

Docket No. ND-6315

James R. Cray

Date of Report: Oct. 26, 1943

On October 22, 1943, I examined this property and interviewed the applicant. My conclusions are that the mine is worthless and the applicant, Mr. Cray, is to say the least entirely incompetent as a mine operator. I could only inspect the mine as deep as the 50' level as the water had been allowed to rise again until the 75' level was not accessible. The applicant stated he dewatered the mine only to the 75' level and there was no ore at that depth. Apparently the applicant spent \$5,000 to dewater 25 feet of shaft and there is no evidence that they even removed any rock from the underground workings.

Briefly, the mine is located in a flat valley that contains about 6 feet of alluvium so there are no surface exposures of veins. The country rock is rhyolite and andesite lava flows containing small fissures mineralized by chalcopyrite and secondary copper. The dumps from the shafts contain only a minute amount of ore. The stope above the 50' level was 15' high and about 65' long and 3 feet wide with no ore left in the margins of the stope except for narrow stringers of sulfides. The assays submitted by James M. Hall in the original application and represented as coming from this stope appear to be mere exaggerations, as I could find no ore worthy of sampling. The bottom of this stope was examined and it is obvious that this ore shoot does not extend to depth, and from a study of the high water mark on the walls of the workings this fact was apparent at the time Mr. Hall made his so-called examination.

The mine is developed by two vertical shafts 25 feet apart. The main shaft is reported to be 105 feet deep but was accessible only to the 50' level at the time of my visit. The other shaft is about 45 feet deep and connects with the 50' level and the stope.

The following work was done on the project by the applicant:-

Built a small shack at the mine.

Hired James M. Hall as engineer to report on and sample the mine, and paid him \$250.00.

Paid \$250 to have the hoist and pump moved on to the property but did not buy the equipment; only borrowed it from another loan project.

Installed a hoist and pump.

Replaced two sets in the shaft.

Installed 75 feet of ladders in the shaft.

Built a small headframe at a cost of \$105.

By pumping with a jack-pump and bailing with the hoist lowered the water 25 feet in 48 hours in the shaft from the 50 foot to the 75' level. Applicant

claims that his first superintendent who was subsequently fired, pumped for two months and could not get the water out of the shaft.

Applicant installed 25 feet of track but never used same as he removed no waste from the shaft.

I estimate that there is about \$750 worth of machinery and equipment at the property and we are now arranging for the sale of same. We have a complete inventory of everything purchased with loan funds.

The applicant admits that the mine is worthless and was poorly managed, so he does not intend to apply for a further loan. All of his accounts appear to be in order altho I believe the shaft could have been dewatered to the 75' level for less than \$1,000. I do not know whether the shaft is 75 or 105 feet deep altho applicant claims he reached the bottom at 75 feet.

Wm. B. Maitland

WM. B. MAITLAND
Supervising Engineer

Progress Report

James R. Cray
Docket No ND 8315
Oct 26, 1943

1 X 3

On Oct 22, 1943 I examined this property and interviewed the applicant. My conclusions are that the mine is worthless and the applicant Mr. Cray is to say the least entirely incompetent as a mine operator. I could only inspect the mine as deep as the 50' level as the water was had been allowed to rise again until the 75' level was not accessible. The applicant stated he dewatered the mine only to the 75 foot level and there was no ore at that depth. Apparently the applicant spent \$5000 to dewater 25 feet of shaft and there is no evidence that they even removed any rock from the underground workings.

Briefly the mine is located in a flat valley that contains about 6 feet of alluvium so there are no surface exposures of veins. The country rock is rhyolite and andesite lava flows containing small fissures mineralized by chalcopyrite + secondary copper. The dumps from the shafts contain only a minute amount of ore. The slope above the 50' level was 15' ~~ft~~ high and about 65' long and 3 feet wide with no ore left in the margins of the slope except for narrow stringers of ^{subtrides} pyrite. The assays submitted by James M. Hall in the original application and represented as

Transmitted letter to
J. M. Hall
2 copies of Progress Report

coming from this stop appear to be mere exaggerations as I could find no one worthy of sampling. The bottom of this stop was examined and it is obvious that this one ^{short} does not extend to depth and from a study of the high water marks on the walls of the workings this fact was apparent at the time Mr. Hall made his so-called examination.

The mine is developed by two vertical shafts 25 feet apart. The main shaft is reported to be 105 feet deep but was accessible only to the 50' level at the time of my visit. The other shaft is about 45 feet deep and connects with the 50' level and the stop.

The following work was done on the project by the applicant: -

Built a small shack at the mine

Hired James M. Hall as engineer to report on and sample the mine and paid him \$250.

Paid \$250 to have the hoist and pump moved on ~~the lot~~ to the property but did not buy the equipment; only borrowed it from another loan project. Installed a hoist and pump.

Replaced two sets in the shaft

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inventory of ~~everything~~ every thing purchased
with loan funds.

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is 75 or 105 feet deep altho applicant claims
he reached the bottom at 75 feet.

Wm B Muthard
Sup Engr

June 25 - July 30 \$1396.22
~~under~~ \$2501.78
Aug 1 Sept 15 Payroll (845) ↑

Bent took over on July 19

- \$250 Eng report on Mine
James M. Hall
- \$250 to Buntamate to move equip
from Stump mine 40 mi
- \$105 labor to build Headframe
- \$600 to Cray to Supervise
- \$0 ~~labor~~ to build house
labor
- \$546 insurance dep.

✓ Get price on Stump
equip.

✓ Canlan equip in Scotts yard
is it sold?

In town 310 W 17th Ave St C.E. Bent

2 wooden barrels

4 gasoline drums

3 ladders

misc tools

1 - 10 X 12 tent

1 stove

1 mageto for engine

at mine

250' 1" pipe

220' 2½" pipe + misc fittings (~~stump~~)

get pipe
1 - Western Machinery Co. 1 cylinder single drum
+ cable (300-400' cbl) hoist (5 tons)

1 - steam car + 100' of single rail

1 - hauling torpedo

50' of ladder

1 headframe

1 - 500# ore bucket

1 - Worthington steam pump 9 x 5¼ x 10'
1500 lbs

misc pipe

misc tools

1 - gasoline drum

2 - wooden barrels

1 - 100 gal tank