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Reconstruction Finance Corporation Arizona Records

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RECONSTRUCTION FINANCE CORPORATION

MINING SECTION

REPORT OF SUPERVISING ENGINEER

Docket No. ND-5573 - Charles & May Turner  
Date authorization for  
Examination received May 27, 1943  
Date of Examination, Inc. June 4, 1943  
Date of Report . . . . . June 11, 1943

1. NAME AND ADDRESS OF APPLICANT

Charles and May Turner  
Cleator, Arizona

Correspondent: Applicant

2. CHARACTER OF PROJECT

To develop lead, copper, zinc and silver ore by sinking a 200' shaft and drifting.

3. LOCATION OF MINE

In Section 16, T. 10 N., R. 1 E. Peck Mining District, Yavapai County, Arizona. Nearest Railroad Station is Mayer, Arizona, 16 miles from Cleator, Arizona and approximately 22 miles from the mine. Mine is not accessible by road. It took the applicant and myself three hours riding horseback to reach the mine from Cleator.

4. APPLICANT

Applicant appeared competent to handle a small loan.

5. LOAN REQUESTED

\$20,000.00.

6. DESCRIPTION OF PROJECT

A. General Features

1. No mine workings, etc., which are not confined within applicants' ownership.
2. Proposed project would comply with State Compensation or Safety-first Statutes.
3. No legal discrepancies
4. No impeded right-of-way facilities.
5. No likelihood of surface or sub-surface trespass.

B. Existing Development

1. Tunnel mine

a. Attached map shows plan and section of applicants' mine. A crosscut 65' long cuts a streak two inches wide. A drift 65' long follows this streak. 10' from the end of drift, a winze was sunk 50' at a 40 degree angle. 15' from the bottom of winze, a short drift extends 35'. There is a cribbed stope just below the upper tunnel level and an open stope on the lower level.

b. Sampling

Five (5) samples were taken; some at places where the applicant had sampled and others where the applicants had not sampled.

The applicants' No. 1 and my No. 37 were taken in the winze. Applicants' Sample was at the water level, whereas mine was about 5' above. Results are as follows:

No.	Width	Au	Ag	Cu	Pb	Zn
1	25"	-	1.5	0.6	0.2	0.6
37	12"	.03	0.7	Tr.	0.71	0.7

These samples are low in mineral value and indicate an almost complete lack of mineralization. The other side of winze did not show mineralization.

The applicants' No. 2 and my No. 34 were taken across the vein in the floor of drift. Results are as follows:-

No.	Width	Au.	Ag.	Cu.	Pb.	Zn.
2	22"	-	25.3	0.5	2.1	2.5
34	16"	.17	13.2	Tr.	0.61	1.72

These two samples again indicate a lack of mineralization at this place in the mine.

I took Sample No. 36 to see if mineralization continued down at this place, for the vein did not look promising. Results follow:-

No.	Width	Au.	Ag.	Cu.	Pb.	Zn.
36	14"	.01	5.8	0.7	0.92	1.11

Thus the five samples indicate rather conclusively that the mineralization does not go down from this level.

A loan is not recommended because:

- A. The grade of ore at the bottom of the stope is of little value and contains little metal.
- B. The size of the stope mined is small and the remaining ore negligible in quantity.
- C. The amount of metal produced would not materially be of benefit to the National Defense.

CHARLES A. RASOR  
Supervising Engineer

Attachments:-  
Assay Certificate  
Map of Workings

Applicants' No. 3 and My No. 35 were taken across 11" of sulphide ore in the top of a stope 12' above the level.

No.	Width	Au.	Ag.	Cu.	Pb.	Zn.
3	11"	-	83.4	0.8	10.8	12.3
34	11"	.06	93.6	1.23	13.9	9.2

Applicants' No. 4 was taken at east end of stope

4	10"	158.8	1.5	12.6	-	6.4
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Samples were not taken near applicants' No. 5 and 6, as they do not represent anything of importance. No. 5 was cut under a cribbed stope and No. 6 above the cribbed stope.

Applicants' No. 7 and my No. 38 were taken across the vein in the roof of tunnel. Mineralization consisted of oxides. Sulphides were not observed anywhere along the tunnel.

7	28"	-	54.20	0.4	0.2	0.7
38	24"	.02	139.8	0.79	9.5	0.63

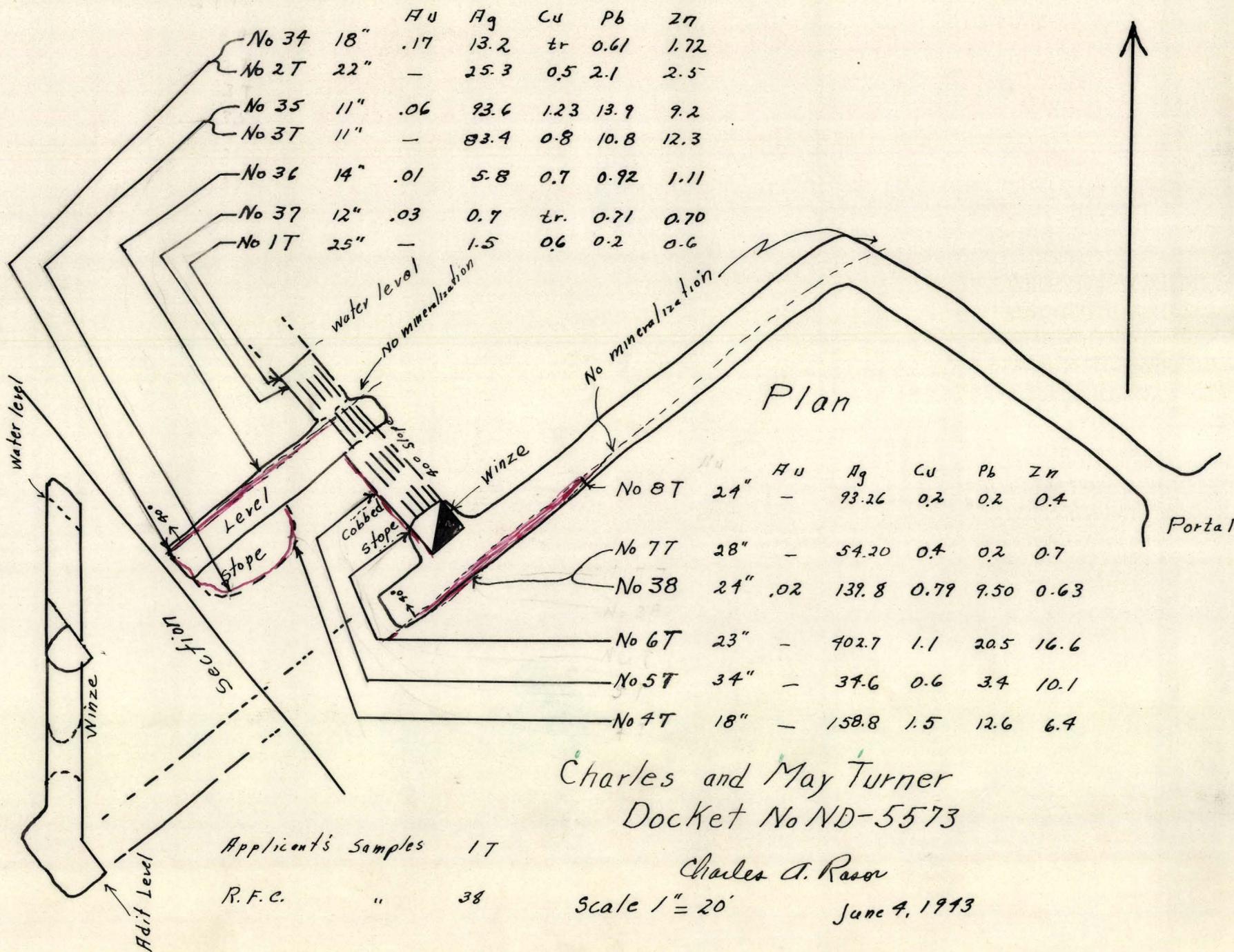
Sampling indicates that the ore is high in silver and low in base metals, except where sulphides are present in the small stope.

c. Mine workings are accessible.

d. This property is out in the center of the Bradshaw granite and is associated with pegmatite segregations of that granite. Where the crosscut intersects the so-called vein, only a slip was encountered. As the drift followed the slip, it changed to pegmatitic material consisting of quartz, feldspar and muscovite and continued as such to applicants' No. 8 Sample. Here a lense of oxidized ore started and continued to the end of the drift where it pinched out. Down the winze, sulphides of copper, lead and zinc were encountered and a drift was extended along the bottom of the sulphides. A small stope was mined and ore sent to the smelter. Sampling shows that ore does not extend below the lower drift.

#### 7. COMMENTS OF SUPERVISING ENGINEER

Applicants proposed to sink a shaft 200' on the basis of some smelter shipments of ore taken from a small stope. Sampling the floor of this stope and 15' lower in the winze assured the visual inspector of the vein that there was little mineralization. The association of sulphides with pegmatite segregations of the granite hold little hope of any continuation with depth. Ore which has been mined, assayed high in silver, but the last ore was lower in value than previously mined. The applicants could not understand this change in value.



No	Size	Au	Ag	Cu	Pb	Zn
No 34	18"	.17	13.2	tr	0.61	1.72
No 27	22"	-	25.3	0.5	2.1	2.5
No 35	11"	.06	93.6	1.23	13.9	9.2
No 37	11"	-	83.4	0.8	10.8	12.3
No 36	14"	.01	5.8	0.7	0.92	1.11
No 37	12"	.03	0.7	tr.	0.71	0.70
No 17	25"	-	1.5	0.6	0.2	0.6

Plan

No	Size	Au	Ag	Cu	Pb	Zn
No 87	24"	-	93.26	0.2	0.2	0.4
No 77	28"	-	54.20	0.4	0.2	0.7
No 38	24"	.02	139.8	0.79	9.50	0.63
No 67	23"	-	402.7	1.1	20.5	16.6
No 57	34"	-	34.6	0.6	3.4	10.1
No 47	18"	-	158.8	1.5	12.6	6.4

Applicant's Samples 17  
 R.F.C. " 38

Charles and May Turner  
 Docket No ND-5573  
 Charles A. Rason  
 Scale 1" = 20'  
 June 4, 1913



No. 304 120.

Phoenix, Arizona,

CHAS. A. DIEHL

June 5 1948

# ARIZONA ASSAY OFFICE

Phone 3-4001

815 North First Street

P. O. Box 1148

This Certifies That samples submitted for assay by

*Mr. J. J. Whitman.*

contain as follows per ton of 2000 lbs. Avoir.

CLASS.	MARKS	SILVER		VALUE (Oz.)	GOLD		VALUE (Oz.)	TOTAL VALUE Of Gold and Silver	PERCENTAGE			REMARKS
		Ounces	Tenths		Ounces	Handths			Lead	Ag	Cu	
No. 34.	10 <sup>0</sup>	15.2			.17		\$ 5.35		Trace	0.61	1.72	
No. 35.	11 <sup>0</sup>	93.6			.06		\$ 2.10		1.23	13.90	9.20	
No. 36.	14 <sup>0</sup>	5.3			.01		\$ .35		0.70	0.92	1.11	
No. 37.	12 <sup>0</sup>	.7			.05		\$ 1.05		Trace	0.71	0.70	
No. 38.	24 <sup>0</sup>	139.3			.02		\$ .70		0.79	9.50	0.63	

Charges \$2.50

Assayer ARIZONA ASSAY OFFICE.

