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Reconstruction Finance Corporation Arizona Records

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Copper Butte Mining Co. Bonus 12.7

Date	Smelter Hayden · shipper		Au	Ag	Cu	Ins.	SiO2	Al2O3	Fe	Total value/ton	Total Deff/ton	Tons	Credit	Total copper	Bonus
Aug 3	497	1	.003	.05	2.86	67.3	60.9	7.8	8.3	4.23	3.44	45.4990	35.94	2603	320.68
Sept 3	578	2	.003	.04	3.00	67.5	60.2	11.8	7.8	4.47	3.51	46.3255	44.47	2780	
" 5	579	3	.003	.02	3.20	68.9	60.0	11.3	9.4	4.81	3.51	47.3795	61.57	3032	
" 6	588	4	—	.12	2.87	71.1	61.0	11.0	8.4	4.25	3.51	55.3410	40.85	3177	1893.57
" 9-10	600	5	.003	.08	2.70	70.1	60.5	12.4	7.6	3.95	3.51	52.6550	23.19	2846	
" 14	604	6	.003	.01	3.25	68.2	58.5	11.6	8.0	4.90	3.51	54.4970	75.63	3532	
Oct 12	659	7	—	.08	3.58	68.8	60.7	11.4	7.8	5.47	3.51	101.2220	199.69	7658	
" 15	702	8	—	—	3.32	69.6	60.0	11.0	8.3	5.02	3.51	106.7170	158.84	7056	2348.98 9026
" 18	710	9	.003	.08	3.18	69.2	59.2	12.2	8.8	4.78	3.51	107.3825	136.84	6843	
" 25	732	10	—	.08	2.91	68.0	59.8	11.0	9.0	4.32	3.51	105.2750	85.27	6127	
Nov 8	741	11	—	.12	2.90	70.6	62.0	10.7	8.8	4.30	3.51	50.8375	40.16	2949	327.02
" 11	747	12	.005	.04	2.03	68.0	60.3	10.4	9.0	4.52	3.51	49.7025	50.20	2018	333.78
" 15	782	13	—	.03	2.78	67.8	57.7	10.1	9.7	4.09	3.51	100.6750	58.39	5598	957.26
" 18	792	14	—	.06	3.01	70.4	61.0	11.7	8.4	4.48	3.51	110.5700	108.36	6656	737.13
" 22	802	15	—	.04	2.83	70.6	60.0	11.3	8.2	4.18	3.51	107.3750	71.80	6074	673.45
" 25	817	16	—	.08	2.57	69.8	62.0	10.6	8.6	3.78	3.51	107.7555	23.71	5539	
Dec 3	841	17	—	.06	2.62	69.5	61.0	10.2	8.7	3.81	3.51	110.3780	34.22	5784	
Jan 11	37	1-18	—	.04	3.03	71.1	61.6	11.2	7.9	4.52	3.51	52.5670	53.09	3182	
" 21	67	2-19	—	.16	2.83	70.0	60.4	11.4	7.8	4.35	3.51	105.0300	58.23	6155	
" 25	80	3		.19	3.25	70.1	57.8	11.5	8.3	4.90	3.51	54.4625	75.74	3542	
Feb 2	114	4		.05	2.84	70.3	60.5	11.2	8.0	4.20	3.51	52.9070	36.51	3005	
" 7	121	5		.08	2.67	70.4	61.2	12.4	7.2	3.90	3.51	111.0240	43.53	5961	
" 10	134	6		—	2.79	70.5	60.1	11.3	7.8	4.11	3.51	105.3915	63.23	5881	
" 14	147	7		—	3.05	70.3	60.0	12.4	7.5	4.52	3.51	99.0200	103.97	6040	
" 17	166	8		—	2.87	71.0	61.1	11.6	7.8	4.25	3.51	50.5330	27.39	2901	
" 21	175	9		.03	2.87	69.9	57.1	11.2	8.5	4.25	3.51	50.1625	37.12	2879	
" 21	179	10		.04	2.60	69.7	57.4	11.2	8.5	3.78	3.51	48.5700	13.10	2523	
" 25	194	11	.005	.12	2.82	69.4	60.0	10.4	8.8	4.15	3.51	48.9580	31.80	2760	
Mar 4	210	12	—	—	2.72	69.0	61.3	10.9	8.8	3.99	3.51	101.5020	48.86	5632	
" 27	277	13	—	—	3.55	67.4	58.0	11.3	8.4	5.42	"	151.6020	287.57	10764	
" 31	288	14	—	—	3.06	67.0	57.1	11.2	9.2	4.67	"	153.5935	162.81	9400	
Apr 7	307	15	—	—	2.87	68.8	60.4	11.4	9.4	4.25	"	154.9220	114.64	8849	
" 14	327	16	—	—	2.60	71.5	61.0	12.6	8.4	3.78	"	97.1120	26.22	5050	
" 15	338	17	—	—	2.66	71.0	60.5	9.5	7.6	3.89	3.32	48.2885	27.52	2569	
" 25	359	18	—	—	2.70	70.5	60.0	11.2	7.5	3.95	3.51	198.8385	87.48	10787	
" 28	315	19	—	.14	2.65	70.4	59.8	11.5	8.0	3.87	"	104.6630	36.86	5441	
May 8	386	20	—	—	2.65	71.0	61.9	11.5		3.87	"	101.7710	36.64	5384	
" 15	411	21	—	—	2.60	69.5	60.5	11.7	8.5	3.75		105.2050	28.41	5471	

Date		Ag	Cu	Ins	SiO2	Al2O3	Fe	Tons	Credit	Total Cu.	Bonus
5/22/44	425	22	.04	3.19	69.6	58.3	11.9	8.0	102.3140	132.06	6531
29/44	441	23		3.09	70.6	61.0	12.3	7.6	100.6385	112.71	6219
6/5/44	448	24		2.72	70.6	57.9	11.3	8.9	79.1075	87.27	5788
				2.92					3,656.919		21,352.8
6/22/44	468	25	—	3.24	70.7	60.9	11.3	7.5	99.7265	126.71	6476
" " "	473	26		2.87	70.8	61.6	12.4	7.8	91.9925	64.99	5639
6/26/44	494	27		3.23	70.2	60.9	12.3	8.3	105.0975	142.94	6789
				(2.93)					3761.1125	3364.06	32,432

Bonus 28,033.29

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Granted

Mine: COPPER BUTTE, Cu. Date: April 6, 1943

District: Mineral Creek Engineer:

Subject: Reconstruction Finance Corporation Mining Loan.

Docket No.	Phoenix C-153
Date Application Received	March 8, 1943
Date of Field Examination (H. Bollweg)	April 3, 1943
Date of Report	April 6, 1943

1. Name and address of applicant (correspondent):
C. F. Mitchell, Copper Butte Mining Co., P. O. Box N, Ray, Arizona.

2. Character of project and estimated cost thereof:
Cu. To rehabilitate 114 foot shaft for easier extraction of ore and to commence productive operation.

3. Location of property:
Mineral Creek Mining District, near Ray, Pinal County, Arizona.

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

5. Loan requested:
$5,000.00.

6. Loan recommended:
$3,000.00.

7. Comments:
(A) Added to the docket is:
1 - Report and sketches by Henry Bollweg, Special Field Engineer for the Department of Mineral Resources, dated April 3, 1943.

2 - Letter from International Smelting and Refining Co., listing analysis of ore shipments, dated March 10, 1943.

(B) The docket is poorly prepared and the evidence submitted does not warrant the applicants proposed sinking operations.

(C) Past shipments and the visual examination by Bollweg are indicative of an early and appreciable possible production from the 114 foot level. Providing operations are carried on with care a small profit can be made. Conditions are such that no definite blocked tonnage can be calculated, but there appears to be ample ore to warrant the financing of preparatory and operational activities.

(D) The ore is silicious, but unfortunately carries slightly in excess of 10% aluminum and cannot therefore be considered as first class fluxing ore. No sulphide minerals have been encountered in any of the workings.

(E) That portion of the application pertaining to shaft sinking is not approved. It is considered that $3,000.00 should enable the applicant to resume operations on a small scale. Further development at depth might later be deemed warranted.

ARIZONA DEPARTMENT OF MINERAL RESOURCES

Earl F. Hastings,
Projects Engineer.

Copper Butte

RECONSTRUCTION FINANCE CORPORATION
MINING SECTION
MEMORANDUM REPORT OF SUPERVISING ENGINEER

Docket No. ND-8126 - Copper Butte Mng. Co.
Date of Examination - June 8, 1944
Date of Report - June 14, 1944

As I was in the near vicinity of this property on another examination, it was thought advisable to obtain some information on this Borrower's operation. You may know that the Borrower is paying off his loan July 1, 1944, after which date we will have no more interest in this operation. Our records to date show that the Borrower has shipped 3657 tons of siliceous copper ore averaging 2.92 per cent copper. This has resulted in a production of 213,528 pounds of copper.

The Borrower was granted a $5,000 preliminary development loan in April 1943. Since then, the Borrower has worked diligently and with success. C. F. Mitchell runs the operation. He is truck driver, mechanic, and mucker during the day and miner in the evenings. Eight men are working on this project. There are two truck drivers, a boss at the mine and five miners and muckers.

This deposit lies about eight miles west of Ray, Arizona in a rather isolated region. From a cursory examination of the surface, I would say that the ore deposit is about 1000 feet long and 200 feet wide. However, the length of the deposit may extend farther under the overlying Tertiary lavas. The ore deposit is bounded by north-south faults which have brecciated the intervening area. Boulders in the brecciated area consist of diabase, quartzite and shale and apparently of pre-Cambrian age. Copper and iron oxides fill the interstices. The principal copper mineral is chrysocalla, but there is also appreciable quantities of melaconite and minor malachite.

Borrower has been notified by the smelter to reduce shipments to 400 tons per month. This is a result of the reduced tonnage of concentrates to the smelter from the Ray mines. A further reduction in ore from Ray will probably close down most of the siliceous copper mines. However, this Borrower is under the wire and the Reconstruction Finance Corporation will be paid off July 1, 1944.

Can

CHARLES A RASOR
Supervising Engineer

325 Heard Building
Phoenix, Arizona
June 14, 1944

TULLY - Ass't Chief - Mining Section RFC - Washington

Re: Copper Butte Mining Company - ND-8126

Enclosed please find my Memorandum Report, in duplicate, on the above captioned project.

CHARLES A. RASOR
Supervising Engineer

CAR:EP