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Report of Supervising Engineer

Docket No B-ND-4252
Date Authorization for Examination Received Nov 13, 1942
Date of Examination Nov 24, 1942
Date of Report Nov 27, 1942

1. Name and Address of Applicant
Name Copper Ledge Mining Corp. Inc
Address P.O. Box 529
City & State Phoenix, Ariz
Correspondent - Samuel P. Matthews
Same address

2. Character of Project
To develope a gold, silver, copper prospect

3. Location of Mine
Township; range, section. Sec. 25, 36 T2S, R6W, G&SRB&M
County and State Pima Co, Arizona
Name & distance by Road nearest Railway station - Two miles from the town of Ajo, Arizona a town on the Southern Pacific Railroad.

Condition and seasonal accessibility of road, mine to railway - a good road accessible at all times connects the workings on this property with Ajo on the railroad.

4. Applicant
The corporation is under the control of four Steele brothers who are native Arizonians and have been working in various ~~copper~~ mines in Arizona all their life. Albert Steele the corporation manager appears capable of operating this project

5. Loan Requested

The applicants request a loan of $5,000

6. Description of Project

Existing Development

The ~~two~~ ~~seve~~ veins on the property are each developed by a shaft plus shallow surface pits.

The Mayflower vein is developed by a 50 foot incline shaft on the vein with small stopes at various points along the shaft. Not more than 30 tons have been removed from these stopes. There is no ore remaining in this shaft.

The Copper Ridge vein is developed by a 105 foot vertical shaft not on the vein and numerous open pits and surface stopes. Attached is a vertical section along the strike of the Copper Ridge vein which shows the location of my samples. ~~also~~

Also attached is a record of the three samples taken by this engineer.

Geology and Ore Reserves.

The vein consists of a fairly strong fissure striking S 40 E and dipping 65° to the north east. Along this fissure is found small scattered lenses of siliceous copper ore containing chalcocite, azurite, malachite, chrysocolla, etc. Only about one third of this fissure zone is mineralized and the widest lense visible was 8". I do not believe the largest lense mined to date would contain one ton of ore. Therefore it is obvious that no commercial ore body is exposed on this property altho there has been some picked ore shipped from the surface stopes altho I cannot see tho it could have paid the cost of mining.

The applicants stated to me that they do

not consider that there is any pay ore now exposed in the ~~seam~~ present workings but they expect the ore to get richer and wider at depth.

There is no evidence of any chance of developing a large tonnage low grade ~~pay~~ mine on these claims. Ajo is essentially a low grade porphyry copper deposit and the proximity of this property to Ajo is ~~the only~~ only basis for expecting ore at depth.

C. Proposed Development

This engineer can recommend no development under this project. The applicant proposes to sink the present 25 foot deep slope an additional 25 feet and drift along the vein in both directions

D. Equipment

The applicant claims to own a hoist, compressor, ~~and all~~ jackhammer and all necessary tools.

8. Objections to Project

This property is a prospect that contains no ore in sight.

There is no assurance of developing ore at depth.

10. Estimated Cost of Project

Applicant believes he can sink 25 feet and drift along the vein for not more than $5000

12. Comments of Supervising Engineer

I cannot recommend that a loan be granted this project for the following reasons:

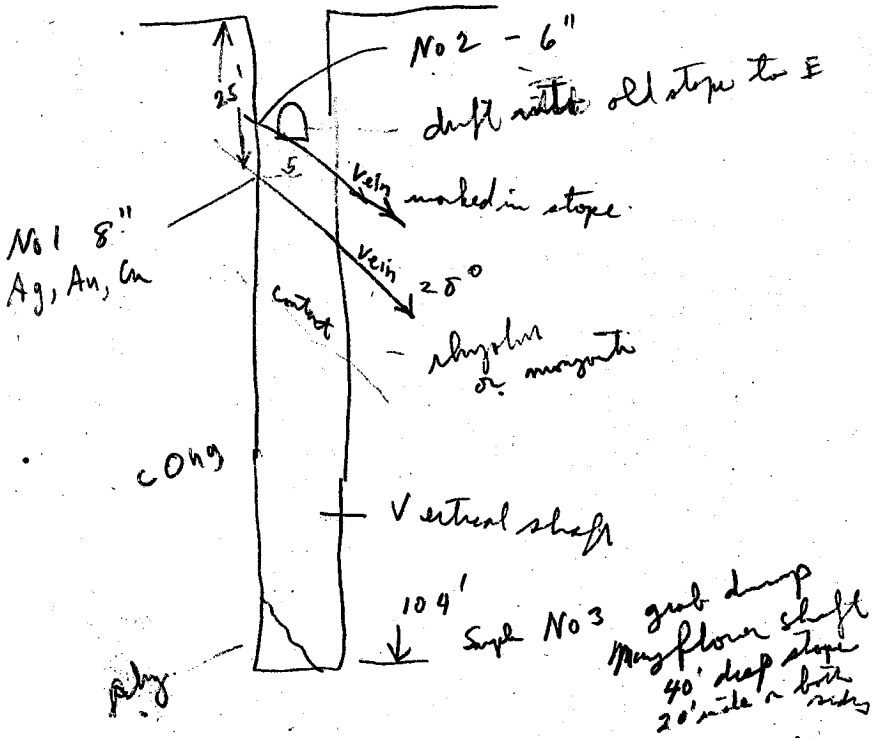
1. Any work done on this project would be prospecting as the vein exposed does not contain ore in commercial quantities.

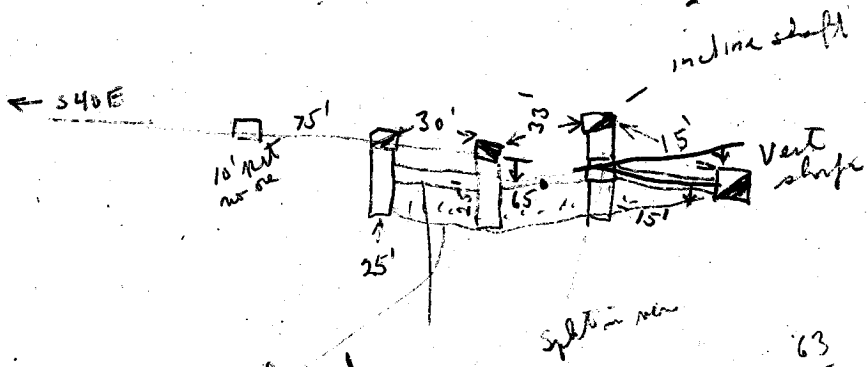
2. Applicants have attempted in the past to obtain both a "C" and "B" loan. No new work has been done since these applications were denied loans so the same valid objections still hold.

3. There is apparently no possibility of a loan repayment from this property.

Wm B Mattes
Supervising Engineer

Copper Ridge Mine Nov 23, 1942
Ajo





63
75
15
153

CLAUDE E. McLEAN
P. O. BOX 1888

TELEPHONE 3-6272

ARIZONA TESTING LABORATORIES

ANALYTICAL AND CONSULTING CHEMISTS
ASSAYERS, MINING ENGINEERS
823 EAST VAN BUREN STREET

ASSAY CERTIFICATE

PHOENIX, ARIZONA November 27, 1942

Mr. W. B. Maitland, Supervising Eng., RFC

325 Heard Building, Phoenix, Arizona

WE HAVE ASSAYED THE SAMPLES RECEIVED FROM YOU AND FIND THE RESULTS AS FOLLOWS:

GOLD FIGURED AT $ 35.00 PER OUNCE.

LAB. FORM 2

SILVER FIGURED AT $ 0.70 PER OUNCE.

LAB. NO.	SAMPLE B-WD-4252	GOLD		SILVER		PERCENTAGES			
		OZ. PER TON	VALUE	OZ. PER TON	VALUE	COPPER	LEAD		Total Value
45664	8" #1 Copper Ledge	0.08	$2.80	12.80	$8.96	15.20%	@ 11¢ =	$33.44	$45.20
45665	6" #2 " "	0.04	1.40	23.00	16.10	20.00	@ 11¢ =	44.00	61.50
45666	Grab-dump #3 May Flower	0.01	0.35	0.80	0.56	14.10	@ 11¢ =	31.02	31.93

REGISTERED ASSAYER
CERTIFICATE EXPIRES
CLAUDE E. McLEAN
DEC. 31, 1942
ARIZONA, U.S.A.

RESPECTFULLY SUBMITTED,

ARIZONA TESTING LABORATORIES

BY Claude E. McLean ASSAYER

CHARGES $ 6.00