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Reconstruction Finance Corporation  
Mining Division  
Report of Supervising Engineer

Docket No \_\_\_\_\_ B-ND-4696  
Date authorization for Exam. Prod. \_\_\_\_\_ Dec 23, 1942  
Date of Examination \_\_\_\_\_ Jan 18 and 19, 1943  
Date of Report \_\_\_\_\_

1. Name and Address of Applicant

Joseph H. Strotzost  
Seligman, Arizona

Correspondent:

Crawford, Baker & Farouk  
The Bank of Arizona Building  
Prescott, Arizona.

2. Character of Project

To develop and mine tungsten ore by  
sinking 100 feet and drifting 400 feet.

3. Location of Mine

In section 7, T. 15N., R. 7W. G. & S.R.M.  
Eureka Mining District, Yavapai County, Arizona.  
The nearest railroad station is Prescott, Arizona  
approximately 56 miles over unimproved lava  
roads.

4. Applicant

applicant would be competent to  
handle loan.

5 Loan Requested  
 \$20,000.00

6 Description of Project

applicant owns thirteen unpatented claims near the Black Pearl group of patented tungsten claims. From all indications the applicant has relocated ground vacated by the Black Pearls which they have considered unsuitable to hold. The attached map shows the approximate location of the applicant's Evening Star No 2, which claim he intended to spend the money obtained from loan funds.

Access to the property by road is about 60 miles from Pecos, New Mexico. The last 10 miles to the camp is over the worst of road conditions.

On the Evening Star No 2, your engineer was shown a cut 13 feet long 3 feet wide and from 6 to 8 feet deep. In the west face of the cut was observed two quartz stringers 9 inches wide and 2 inches wide which merged together at the bottom. On each side of the quartz stringers there was observed thin seams of mica.

Nowhere on the exposed face was there any indication of wolframite

3.

The applicant drilled a hole in the bottom, put in a long stick of powder and blew the bottom so that it could be observed, after cleaning away the mud. I took a sample across a 12 inch quartz vein where on the hanging wall a pocket of wolframite crystals was observed. This sample was quartered and one half sent to each of two assays in Phoenix, Arizona. The percent of  $WO_3$  is shown below:

ES No 2 Sample No 1 12" vein 1.58%  $WO_3$ .

Insert here

ES No 2 Sample No 1 " " 2.22%  $WO_3$

Average of Sample 1.90%  $WO_3$

The above quartz vein could not be followed more than 50 feet on the surface and no where less than observed any indication of wolframite.

The applicant showed four engineers other cuts on the property and a road tunnel, <sup>all of</sup> which were opened up during work was done. Most of the quartz, <sup>observed on the dumps</sup> contained oxides of iron and little if any wolframite.

Although this property is near the Black Pearl Mine which has

produced 62,100 pounds of 70.50  $WO_3$   
 the applicant's quartz - wolframite veins are  
 small and narrow compared with the Black  
 Pearl and about one half mile away  
 and parallel to the Black Pearl vein.

The veins strike about  $N. 70^\circ W$  and  
 dip steeply NE cutting through a  
 coarsely textured pegmatitic granite.  
 Some veins can be traced on the surface;  
 others pinch out and are lost.

Metalliferous minerals in the veins consist  
 of patches of wolframite and pyrite. Oxides  
 of iron, derived from weathering of pyrite,  
 occur abundantly in the outcrop. The  
 gangue is coarsely crystalline white quartz  
 with locally abundant masses of muscovite.

Some secondary scheelite after wolframite  
 was observed when specimens were  
 observed under the lamp.

a few boxes of powder, some  
 hand steel shovels and a wheelbarrow  
 would tell much more about this  
 prospect hole than \$20,000 worth  
 of machinery and labor.

Therefore, I do not recommend a  
 loan of \$20,000 to the applicant,  
 for the following reasons:

1. There was only one showing on  
 the group of claims owned by the applicant
2. The showing on the Evening Star

No 2 claim was an assessment hole  
13 feet long 3 feet wide and 8 feet  
deep with one showing unfragmented  
crystals in the bottom.

3. The showing is a mere prospect and  
what the applicant proposes to do is  
considered prospecting for unfragmented

4. The vein on the Evening Star No 2  
was not continuous and could not  
be followed on the surface more than  
50 feet.

Charles A. Rorer  
S. E.

attachments

1 claim map

assay certificate from Charles H. Diehl

.. .. .. Arizona Testing Lab.