CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
416 W. Congress St., Suite 100
Tucson, Arizona 85701
520-770-3500
http://www.azgs.az.gov
inquiries@azgs.az.gov

The following file is part of the

Reconstruction Finance Corporation Arizona Records

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

THURSDAY

NOVEMBER						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

29

DEC. 1960

JANUARY						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

R. F. C.
Mining Division
Report of S. E.

Jungsten
Formerly Wicks Group

Docket No.	ND-5290
Date Authorization for Exam. Recd.	Feb 5, 1943
Date of Examination, inclusive	March 4, 1943
Date of Report	March 1943

1 Name and Address of Applicant

J. R. Brann BRAUN

Box 2630

Tucson, Arizona

Correspondent: Applicant

2. Character of Project

To develop and mine tungsten ore by open cut and benching on contact of ore body with igneous complex.

3. Location of Mine

In S½ SW¼ NW¼ and N½ NW¼ SW¼ of Sec. 1, T. 20 S., R. 7 E., Baboquivari Mining District, Pima County, Arizona. The nearest railroad point is Tucson, Arizona, approximately 67 miles away. Twenty-four miles of the road are paved from Tucson to Three Points the junction of the Sasabe and Sells Highways. From Three Points south on the Sasabe Highway, the road is improved dirt

for 36 miles. At this point access to the property is thru Ronstadt's gate over an unimproved dirt road for 7 miles; the last threes miles traversed a dry wash.

4. Applicant is competent to handle loan funds.

5 Loan Requested
$20,000

6. Description of Project

A General Features

1. There are no mine workings, mill or other necessary appurtenances which are not confined within applicant's ownership.

2. Proposed project would comply with State compensation or safety - first statutes.

3. There are no legal discrepancies not covered.

4 There are no impeded right-of-way facilities.

5. There is not likely to be surface or sub-surface trespass during project.

B. Existing Development

2. Open cut mine.

(a). a compass and tape survey was made tying in all the open cuts from which samples had or had not been mined.

(b) Samples could not be taken at uniform intervals across the vein as the vein was not exposed in any of the open

cuts or on the surface. If the vein had been exposed on the surface, the applicant undoubtedly would have had it opened for sampling. No truer picture can be given than by quoting a statement from an engineering report submitted by the applicant:

"there is no place where a representative sample completely across the so-called 'veins' can be taken."

Nevertheless, I had three samples taken of the quartz-wolframite ore piled in front of three open cuts and which represent the rejects of ore sorted over by the applicant in his alleged mining operations during 1942. The vein or veins, or lenses from which this ore came have all been mined.

The samples assayed as follows.

	Arizona Testing Lab. % WO_3	Arizona assay office % WO_3.
No 1 cut No 1	11.27	11.10
No 2 " No 5	5-70	5-81
No 3 " No 7	12.11	12.09

The presence of secondary scheelite and tungstite both alteration products of wolframite have caused a superficial secondary enrichment of tungsten at the surface ~~and is~~ which is reflected in the assays of surface material taken from surface cuts no deeper than 10 feet beneath the surface.

It should be understood in evaluating these assays [redacted] the samples represent the best material that could be found in the piles of rejects. The applicant submits an assay on 420 lbs of ore and must have been the best which he can throw a small gred mill. This shows - 7.62% WO_3. Tungstite is not recoverable and any samples containing appreciable tungstite will assay higher in WO_3 than will be recovered.

To support the mining operations, the applicant submitted the following data on the amount of tungsten ore sold to A. L. Pellegrin and Son, Assayers in Tucson, Arizona.

Date	Amount	% WO_3.
Jan. 17, 1942	76 lbs	63.2
Feb. 6, "	92 "	62.7
March 1, "	64 "	59.8
April 3, "	87 "	64.7
May 5, "	84 "	61.8
June 2, "	90 "	61.8
July 2 "	42 "	64.8

Aug. 10, 1943	65 lbs	63.1
Sept. 10, "	420 lbs of ore	7.62
	conc. from 420 lbs ore	63.1
Oct. 25, "	72	64.1
Nov. 15 "	82	62.9
Dec 6 "	86	62.9

Thus the applicant shipped 840 pounds of tungsten concentrates averaging 62.8% WO_3 plus the concentrate made from 420 pounds of ore that assayed 7.62% WO_3.

c. (c) condition and accessibility of mine openings. All workings are surface cuts scattered around the periphery of an iron-stained knoll. Most of the pits are filled with mine waste and surface debris.

(d) General Features of Deposit.

a few meager features have been described in Arizona Bureau of Mines Bull. No 148 p39 by Eldred D. Wilson. The claims were then known as the Circle Group. He states about the claims as follows:

"When visited early in 1940, they had been developed by a few shallow cuts. ..... One of the open cuts exposes a vein 6 to 18 inches wide and dipping 10 to 20 degrees westward. It consists

of dull-white quartz with scattered bunches of wolframite, very sparse scheelite and some pyrite"

The present examination revealed that little more if any work has been done on these claims since they were examined by Eldred D. Wilson and James Douglas McClintock whose report accompanies the application. The attached map shows eight open cuts more or less near the top of an iron-stained Knoll. This Knoll appears to be part of the old pre-Cambrian igneous complex consisting of folded gneissic rocks and silicified zones of nearly pure quartz, and has been faulted against sheeted greenstones of probably the same age. Mineralization appears to be restricted to the silicified mass and in the first stage was impregnated with fine-grained pyrite. It is the ~~weather~~ oxidation of this pyrite which gives the district reddish color to the Knoll. Fine-grained crystals of wolframite were later introduced into the silicified zone apparently as segregated masses for both the quartz lenses and the wolframite are not present in the open cuts.

C. Proposed Development

Applicant proposes to open cut and bench the surface to contact the main ore body not presently visible and then to drift thru the hill at lower levels to prepare the vein for stoping.

D. Equipment

1. Applicant does not own any mining equipment except for the usual shovels, hammers and hand steel used in prospecting.

2. Not applicable

3 " "

4. Applicant proposes to purchase the following equipment and supplies under the project.

compressor and reliners	$3000.00
2 - jack hammers - pipe + hose	680.00
5300' of 2" water line	1000.00
steel, bits, pump, tank, tools	
Tents and misc items	1295.00
Camp house and furnishings	750.00
Operating expense for six months	7767.00
Total.	$14,467.00

This would be excessive should a loan be granted.

Comments of Supervising Engineer.

As the applicant admitted personally to your engineer he had no ore exposed for sampling in any of the cuts or surface, the work proposed by the applicant is considered prospecting an unacceptable purpose for granting loans.

However, the eight surface cuts were mapped and tied by a tape and compass survey to show the general outline of ~~where~~ the tungsten ~~had been mined~~ occurrences. A close examination failed to revealed any evidence of veins or wolframite mineralization in the cuts. but three samples of rejected ore piled on dumps were taken to give some indication of the strength of tungsten metallization. The three samples assayed high in WO_3 but part of this high assay is due to secondarily enriched tungsten in the forms of scheelite and tungstite.

The depths of the cuts are shallow and the amount of ore removed has been small. Any additional work here would be in the nature of "pure prospecting", but if the Engineer Examiner thinks that some work should be done on this property the applicant should again be contacted as his assays are too high for the work required to prospect this exposure of tungsten.

Charles A Ross

attachments

1. assay certificate from Arizona Testing Lab.
2. " " " " Assay office
3. Map of surface workings