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Arizona Department of Mines and Mineral Resources Mining Collection

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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: JOHNSON PROPERTY

ALTERNATE NAMES:

RARE METALS CLAIMS
HIDDEN TREASURE CLAIMS
GRAY COPPER CLAIMS
TIPPERARY GROUP
BLACK COPPER GROUP
CENTURY MOLY BLACK COPPER
REINSTATED CLAIMS
CENTURY GROUP
KELVIN PROJECT

PINAL COUNTY MILS NUMBER: 331

LOCATION: TOWNSHIP 4 S RANGE 13 E SECTION 9 QUARTER SW
LATITUDE: N 33DEG 06MIN 08SEC LONGITUDE: W 111DEG 01MIN 55SEC
TOPO MAP NAME: GRAYBACK - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

MOLYBDENUM
COPPER SULFIDE
GOLD
SILVER

BIBLIOGRAPHY:

CONTRIBUTIONS TO ECONOMIC GEOLOGY USGS BULL.
1182E, P. E14
ADMMR JOHNSON PROPERTY FILE
AZBM BULL. 180, MINERAL AND WATER RESOURCES
OF AZ., 1969, P. 236 & 241
SEE ADMMR LUCKY TRAUD MINING CLAIM FILE
BLM AMC FILE 63496
ADMMR FILES
HICKS, CLIFFORD J., MO OCCURENCES IN AZ, 1979
P. 22
CLAIMS EXTEND INTO SEC. 5, 8, 9 & 15
AZ GEO. SOCIETY 1994 SPRING FIELD TRIP GUIDE

RARE METALS

PINAL COUNTY

USGS Bull. 1182-E (1965)

"Investigations of Molybdenum Deposits
in the Conterminous U.S. 1942-1960"
p. E14

ABM Bull. 180, p. 236, 241

NAME OF MINE: RARE METALS

COUNTY: PINAL

DISTRICT:

METALS: CU, MO

OPERATOR AND ADDRESS:

MINE STATUS

DATE:

DATE:

5/1/44 Arnold Johnson
218 S. 11th Avenue
Phoenix

5/1/44 Closed

7/45 H.H. Johnson, Kelvin

7/45 Developing

3/47 A. H. Johnson, 308 N.
14th St., Phoenix

3/47 Developing

Johnson, A. H., 308 N. 14th St., Phoenix (2-9-47)

~~218 S. 11th Avenue~~ ~~Mecuria Corp.~~

~~Phoenix, Arizona~~

~~Box 918~~

2-10-41

~~Mesa, Arizona~~

See JOHNSON MINE (Pinal County) - Re Mine Owner's Report

See RARE METALS CLAIMS - Re Pre. Devel. Loan 8-18-42

See RARE METALS - re reconsideration of "C" loan 10-15-42

~~308 N. 14th St., Phoenix~~

~~Helena, Ariz~~

See RARE METALS - Re Field Eng. Report

10-12-43

See RARE METALS - re gas application

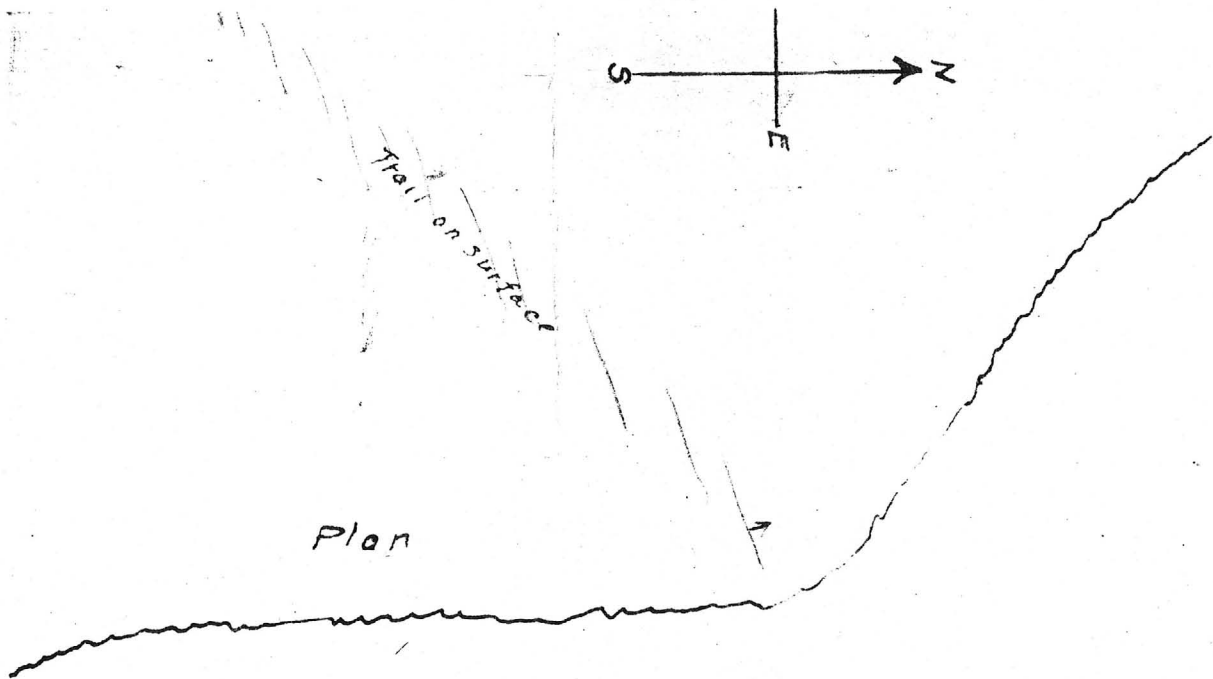
7-13-45

See J file - re request for law booklet

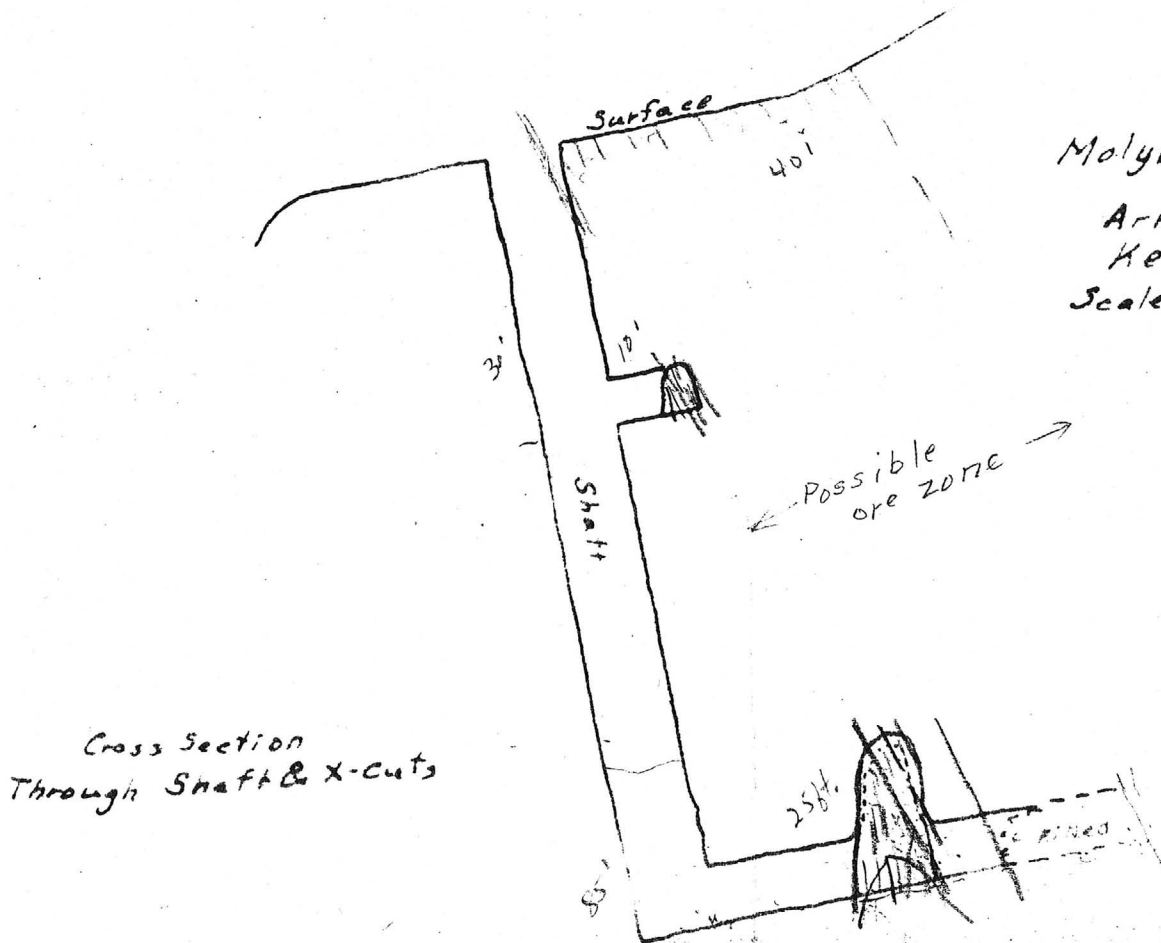
3-25-46

See RARE METALS - re active mine survey

2-9-47



"Rare Metals"
 Molybdenite Prospect
 of
 Arnold Johnson
 Kelvin, Ariz
 Scale 1"=20' March 1942
 E.B.D.



Notes from prospectus dated July 19, 1962

Century Molybdenum and Copper Co.

55 N. Matlock St., Mesa

100,000 shares, par value \$10., non-assessable
offered at \$1, net 80¢ after discount.

Nevada corporation, incorporated Feb. 1957

6 unpatented claims in Pinal County, located
in 1939.

Arnold H. Johnson, president and promoter
Helen D. " " V. Pres. " "

These two will own 237,000 shares

(Property is in Willie's Wash, east of
Grayback Mt., between Kelvin and Florence)

Small amount of exploration in 1943 - flooded since.

3 D.D. holes in 1957 and one in 1962. No ore discovery.

Johnson admits he is neither mining Eng. or geologist.

190 ft. of drifting NW from 85 ft shaft.

No commercial importance to findings to date.

Plans - complete 500 ft hole then 10 other 500 ft

holes - then sink about 500 ft shaft and do

200 ft of x-cutting - Then 300 ft of drift, all
depending upon conditions.

Century Moly & Cu. Co

(2)

To 4/23/62 (prior to prospectus) sold 10,089 shares. Johnson loaned \$10,000. Spent \$12,589 drilling.

(Steve Fatinos, from Ariz. Securities Div.)
called at depts. office re company on 1/8/63

More from prospectus -

Assets -

Cash	\$ 7,500.
Bulldozer	5,000.
Diamond drill	4,000.
Shaft headframe and equipt	6,000.
Building	1,500
	<hr/> \$ 24,000

Claims - acquired for 250,000 shares.

Liabilities - Accts. Pay. \$ 210.

Loan	10,000.
	<hr/> 10,210.

Sample - \$ 7.95 in Cu.

21 grams per ton of gallium. Need better than 90%
or 0.01% tho.

PINAL COUNTY

RARE METALS DEPOSIT

The Rare Metals deposit, in sec. 8, T. 4 S., R. 13 E., is in Riverside No. 2 mining district, about 4 miles west of Kelvin and 1 mile south of the Gila River. In 1943, the deposit could be reached by a dirt road 2 miles long that connected to the Kelvin-Florence graded road, 2½ miles southwest of Kelvin.

Anderson and Kupfer examined the deposit in March 1943. The property was owned by the Riverside Mining Co., A. H. Johnson, Phoenix, president and manager. In 1942, the RFC granted a development loan of \$5,000 to the company.

In 1943, the mine workings consisted of an 84-foot vertical shaft, an 80-foot crosscut extending N. 15° W. from the bottom of the shaft, and two drifts, 18 and 15 feet long extending west from the crosscut at 18 and 62 feet, respectively, northwest of the shaft. No ore had been produced at the time of the examination.

The country rock at the deposit is coarse-grained biotite granite that is cut by east- to northeast-trending quartz porphyry and aplite dikes as much as several feet wide. Quartz veins are exposed at the surface and in the underground workings, and irregular quartz masses are exposed northeast of the shaft. Southwest of the shaft, a quartz vein ranging from 1 inch to 2 feet in width strikes N. 70° E. and dips 80° N. In the underground workings, narrow quartz veins form zones 1 foot wide; the veins strike N. 75° E. and are vertical. Underground, some of these quartz veins contain pyrite, chalcopryite, and traces of molybdenite. The surface exposures of quartz, however, are barren except for limonite and faint malachite stains.

Molybdenite occurs as thin seams in the fault gouge of two fault zones that strike east to northeast. These seams were too narrow and too far apart for profitable mining under 1959 prices for molybdenite.

SANTA CRUZ COUNTY

SANTO NIÑO MINE, by D. H. Kupfer

The Santo Niño mine and adjacent molybdenite prospects are in sec. 9, T. 24 S., R. 16 E., on the east slopes of the Patagonia Mountains in the Patagonia mining district. The properties are within 2 miles of the Mexican border and about 14 miles east of Nogales, Ariz.

Kupfer briefly visited these properties in December 1943. At the time of the visit, the Santo Niño group consisted of five patented claims owned by the Southern Copper Mining Co., New York. The early history of the mine is not known. Production from operations in 1918-31 and 1942-43 was about 20,000 tons of ore averaging 7 to 8 percent copper and about 1 percent MoS₂. The mine was not operating at the time of Kupfer's visit.

CENTURY MOLY, BLACK COPPER, (RARE METALS file)
GRAY AND BLACK COPPER CLAIMS

Mineral Creek District, Pinal County (S8-9,11 T4S R13E)

Mr. Johnson said that he had recently sunk a new 44-foot shaft near to the original 100-foot shaft (now caved) and had struck some good molybdenum ore. The ore, is in a shear zone, up to 40-feet wide, this is strongly mineralized over a width of 8-10 feet. At 20 feet below the surface the ore zone assayed 0.30 percent in MoS_2 and at 44-feet, it ran 0.53+ in MoS_2 . The higher sample was taken over a width of 8 feet while the second sample was over a width of 14 feet. The new shaft is 10x10 feet in section. Mr. Johnson said that he had struck a zone in the old shaft that assayed $3\frac{1}{2}$ percent MoS_2 over a width of 7 feet, but considered this to be somewhat above average. The ore, contains some copper, gold and silver.

The rocks in the immediate vicinity are monzonite and diorite, according to Johnson. The ore crossed by a series of E-W shears that are typical in this area.

Interview with A. H. Johnson, 126 N. Miller, Mesa, Arizona

MEMO LEWIS A. SMITH 4-10-63

m Mr. Johnson has the Johnson claims group in the Riverside District. Here he has 57 claims recorded under the following claim names: Century Group, Reinstated group, Gray Copper Group, Hidden Treasure Group and Black Copper Group. Mr. Johnson stated that Cyprus has drilled the property in the recent past, Kerr McGee is presently drilling the property and AMAX has expressed an interest if Kerr McGee pulls out. Over \$200,000 was spent in 1970-71, \$49,000 in 1972 and \$7,500 so far in 1973 by the various companies at the property. KAP 7/10/73

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Gray Moly field
Mine Century Moly, Black Copper and Gray
Copper Groups
District Mineral Creek Dist., Pinal Co.

Date December 5, 1961

Engineer Lewis A. Smith

Subject: Interview with A.H. Johnson

Property: 28 claims: (1) Gray Copper - 10
(2) Black " - 10
(3) Century Moly Group - 8

Some of the claims were located in 1929 and the rest in 1934.

Location: Sections 8-9, 15, T. 4 S., R. 13 E. (3 miles west of Kelvin)

Owner: A. H. Johnson, 55 N. Matlock, Mesa, Ariz.

Minerals: Copper, silver, gold and molybdenum.

Work: Work includes 8 shafts (10 to 84 feet deep), 10 short tunnels up to 250 feet long, and 2 drill holes, the longest about 500 feet.

Geology: The area consists of granite cut by diabase and monzonite dikes and sills. These formations lie against a major N-S fault. Transverse EW shear breaks which are parallel to each other, cross the formations. These shear faults are marked by strong limonite gossans which range up to 40 feet in width. Many of these show mineralization by copper, gold, silver, or molybdenum. One of these 40 feet wide was drilled and a strong molybdenum showing was encountered at 185 feet. This was in veinlets and disseminations in monzonite and locally in diabase. The widest apparent mineralization was near the intersection of the shear with the major fault. It also carries copper-gold values. Several of the shears were prospected and showed copper-gold mineralization, but copper minerals only sparsely occurred at the surface. Mr. Johnson feels that the best loci for mineralization will be where the shears intersect the major fault. The mineralization between the shears is generally much weaker than in them. This is true to the south on the Wooley group.

The whole section of the formations show the following sequence from top to bottom, near the drill holes, as follows:

Limestone (silicified)
Quartz monzonite
Quartz band
Diabase
Diorite

Here the sediments dip west and strike nearly N-S. The shears are nearly at right angles to this section. The tilt to the west is said by Johnson, to have been caused by the major fault. The shears throughout the Kelvin area are usually close to vertical.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine RARE METALS CLAIMS

Date March 22, 1955

District FLORENCE OR MINERAL CREEK, PINAL COUNTY

Engineer B. J. SQUIRE

Subject: REPORT ON VISIT TO PROPERTY

LOCATION: $2\frac{1}{2}$ mi. W of Wooley Siding on South side of Gila River, 5 mi. west of Kelvin,
S15T 4S R13E. Roads fair.

HISTORY: Claims, (20 unpatented) have been held for 20 years by A. H. Johnson,
55 N. Matlock Street, Mesa, Arizona.

GEOLOGY: Country rock is granite. Vein is in fault breccia 50' wide striking EW
nearly vertical. Vein is 7 feet wide and carries $2\frac{1}{2}\%$ molybdenum, $2\frac{1}{2}\%$
copper (owner) as sulfides at bottom of shaft.

WORK DONE: Shaft 90' deep - owner unwatering at time of visit.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Rare Metals

Date Nov. 20, 1952.

District Kelvin Dist., Pinal Co.

Engineer Axel L. Johnson

Subject: Mine Report. Information furnished by Arnold H. Johnson, the owner.

Location Sec. 9 --- T 4 S --- R 13 E
4 miles west of B Kelvin. Road fair.

Number of Claims 12 unpatented claims.

Owners Arnold H. Johnson, and wife Helen B. Johnson
55 N. Matlock Street,
Mesa, Arizona

Operators Same. Expect to be in operation within 60 days.

Principal Minerals Molybdenum in form of molybdenite (MoS_2)

Number of Men Employed Mr. Johnson and his son has been doing most of the work so far. They have dewatered and cleaned out the shaft, which had not been in use since 1942. They are now busy building a mill to be used for milling the product from their mine. This mill will be ready in 30 to 60 days.

Production Rate No production now. Production is scheduled to ~~start~~ start in 60 days. Production schedule will depend on the sales contracts for the concentrates. Maximum production will be 50 tons per day, which is the capacity of the mill.

Geology According to Mr. Johnson, the ore vein is from 4 to 7 ft. wide, and is located in a shear zone. The host rocks are Gabbro and Monzonite.. The vein itself is mostly quartz, which contain the molybdenite accompanied with a small quantity of chalcopyrite. Mr. Johnson believes that his ore will average about 5 % Molybdenum sulphide, as he has taken assays which have run from 3 % to 17 % of Molybdenum sulphide.

Ore in Sight and Probable Writer unable to get any estimate of this, as he did not have access to the mine.

Milling Facilities The owner, Mr. Johnson, is now building a mill for milling the ore from the mine. This mill is about 50 % completed now, and will be ready for operation in from 30 to 60 days. It will have a capacity of 50 tons in 24 hrs. Mill consists of the following:

- 1 Jaw crusher
- 1 Hardinge Ball mill--- 50 ton capacity
- 2 Denver Flotation units--- one 3 cell & one 2 cell.
- 1 Classifier
- 1 Wilfley Table.

Mr. Johnson expects the concentrate to run 90 % MoS_2 . He claims to have a process worked out for the removal of the chalcopyrite (~~from~~ CuFeS_2) from the concentrate by flotation.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

page 2

Mine Rare Metals

Date Nov. 20, 1952

District Kelvin Dist., Pinal Co.

Engineer Axel E. Johnson

Subject: Mine Report. Information furnished by Arnold H. Johnson, the owner.

Marketing Facilities Mr. Johnson states that he has several buyers for his concentrate product of MoS_2 .

Mine Workings 1 shaft ---- 85 ft. deep. This has recently been dewatered and cleaned out. Shaft last used in 1942 by present owner. Mine closed down since 1942. Drifting and cross cutting from this shaft ---- about 130 ft.

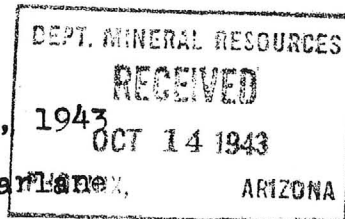
Water Supply Mr. Johnson has a well 20 ft. deep, which he will deepen to 30 ft. This well, he believes, will furnish ample water for his milling operations.

Present Operations Building mill and getting ready for production expected to start within 60 days.

Proposed Operations Mr. Johnson, when he resumes mine operations again, expects to sink the shaft deeper, and to drift and cross cut from same.

*Axel E. Johnson,
Field Engineer,
Dept. of Mineral Resources.*

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT



Mine RARE METALS

Date Oct 12th, 1943

District Kelvin, Pinal County, Arizona.

Engineer A. Macfarlane

Subject: Development.

Property ;

The Rare Metals Group, consist of 2 recorded mining claims, the owners being Arnold H. Johnson and his wife Mrs Helen B. Johnson, also a mill site claim distant nearly 2 miles northerly and on which is built a fair three roomed cabin, this being the mine home of Mr and Mrs Johnson.

Location & Road ; The Rare Metals shaft and plant are situated about 4 miles down stream from the Kelvin bridge, spanning the Gila river, and about 1 air mile south of the river, on the toe of high barren hills forming a chain east to west nearly parralleling the river course.

Approximately 4 miles down stream or west of the Mill Site cabin, the high hills forming both the south and north banks of the river terminates in the Gila canyon, from whence westerly the valley of Florence widens.

The Hayden Winkleman branch of the Southern Pacific railroad runs past the Rare Metals claims and Mill Site along the south bank of the river, to debouche out of the canyon some 25 miles east of Florence, connecting with all transportation points, west.

At a point about 3 miles southwest of the Kelvin bridge, a stub dirt road leaving the main Florence to Kelvin County and State road, turns down stream or west and ends at the mine and mill site, a distance on this branch of 4 miles from the main road and about 35 miles easterly from Florence the County Seat.

Mine Workings ; Consist wholly of a vertical 85' two compt. shaft and about 100 linear feet of drift, extended from the north end following a fracture plane, having a course of north 30 degrees west.

At a point about 25' northwest of shaft, a short heading into the south wall, about 20', reached into some mineralization, being stringers of Molybdenite and Chalcopyrite.

The fracture was followed to a total distance of 95' and again, the same type of mineralization was found on the south wall, which when drifted on for 10' into the crushed and caving Gabbro, exposes a stronger mineralization along a fault plane.

Due to the limited amount of work now accomplished on the copper molybdenite mineralized veinlets and joint planes, it is now only surmise as to the extent of same.

Geologic Features ; The host rock in which is found the above described mineralization, appears to be a much fractured and crushed Gabbro, which at the drift heading contacts with Monzonite and it is likely, that along the contact plane, the mineral solutions found their course and deposition atmosphere.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine

Date

District

Engineer

Subject:

Rare Metals Mine

The crushed and brecciated zone of contact on and ⁱⁿ the vicinity of these two basic rocks, are conditions favoring erratic in size and degree, of mineral bodies, which in some localities, make into commercial sized mineralization.

The only level of the Rare Metals Mine yet made, seems to be above or near the top of such mineralization as ~~now~~ made visible, more extensive working is required by way of exploration to more fully prospect the ground.

Ore Character ; Along the joint planes of the caved and small stopes of the two incisions into the south wall, Molybdenite is found and also Chalcopyrite stringers.

Some dissemination of these two ores into the Gabbro is also noted; however the visible quantity of these ores is yet small and undeveloped.

Apparently this type of ore, is amenable to both table and air Flotation concentration and the locality and water supply is good, and only awaits the further development of the minerals, to insure commercial quantity, for a proposed mill.

Mine Equipment ; Is well installed and adequate to carry the mine shaft to the next 100' lower, providing a much larger flow of water is not encountered; Mr Johnson the owner is a first class Mine Mechanic and has the mine machinery in good repair and conveniently installed.

The mine now makes about 10 to 20 gallons water per minute, a pump Jack and small gas motor keeps the mine clear of water.

The shaft is well timbered to the 75' mark below collar; to deepen this shaft as proposed, it would be required to continue this shaft timbering, to the 185' level.

Costs; The Owners propose to sink the shaft 100' and to drift and cross-cut about 200', This exploration or development, will cost not less than \$5,000. to \$7,500. as now the plant of machinery, being hoist, compressor, drills, shop and pump and water and air lines installed, it is just possible that the proposed in all 300' of development, can be made at this estimated figure.

Until further openings are made on mineral, it is not in order to at this time, consider other phases of the mine.

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date July 13-1945
 Name of Mine Ran Metals
 Owner or Operator A. H. Johnson
 Address Kelvan - Arizona
 Mine Location Kelvan - District

Filing Information

File System.....

File No.....

This chart to be used for gallons of gasoline required per month.

PRESENT OPERATIONS: (check X)

Production.....; Development ☒; Financing.....; Sale of mine.....;

Experimental (sampling).....; Owner's occasional trip.....;

Other (specify).....

PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months

Approx. present rate per 3 months

Anticipated rate next 3 months

If in distant future check (X) here

Refining mine

EQUIPMENT OPERATED:

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars	.....	.....	.....
Light or Service Trucks	.....	.....	.....
Ore Hauling Trucks	.....	.....	.....
Compressors	18	.....	.....
Other Mine or Mill Eqpt.	24	360	300

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

Copper and Molybdenum

REMARKS:

*Copper 3 1/2 tons 4 1/2 tons
 appears to be worthwhile operation*

Approved

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By

Matt Baker
Engineer

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

Date Feb. 10, 1941

1. Mine Johnson Mine
2. Location About 5 miles west of Kelvin, Ariz.
3. Mining District & County Riverside, Pinal Co.
4. Former name
5. Owner A. H. Johnson
6. Address (Owner) 218 S. 11th. Ave. Phoenix, Ariz.
7. Operator Same
8. Address (Operator) Same
9. President, Owing Co.
- 9A. President, Operating Co.
10. Gen. Mgr.
14. Principal Minerals Molybdenite
11. Mine Supt.
15. Production Rate 10 tons per day
12. Mill Supt.
16. Mill: Type & Cap.
13. Men Employed two
17. Power: Amt. & Type 22 HP hoist gasoline
18. Operations: Present Drifting on vein stock piling ore
19. Operations: Planned To install mill
20. Number Claims, Title, etc. Four Claims
21. Description: Topography & Geography
Lower Pinal Mountains about nine miles south of Ray,
Arizona. Ten miles east of Superior in a mineralized district.
22. Mine Workings: Amt. & Condition 6x8 shaft 105 ft. deep crosscut 43 ft. drift on vein 20 ft.

3. Geology & Mineralization Pegmatite vein along fault zone traceable for about 6000 ft. on surface-deep seated high temperature deposit of dark basic rock.

4. Ore: Positive & Probable, Ore Dumps, Tailings
ore on top about 50 tons.
Ore in mine in sight indefinite.

4A. Dimensions and Value of Ore body
Vein at 100 ft. depth shows in drift 6 ft. wide Molybdenum
Assays from 1.69% to 8.77%.

5. Mine, Mill Equipment & Flow-Sheet
None

6. Road Conditions, Route Good road right into mine--3 miles from main highway. Railroad
3/4 miles from mine.

7. Water Supply Gila River 3/4 mile water all seasons

8. Brief History
Opened recently

9. Special Problems, Reports Filed

Remarks
Need mill

If property for sale: Price, terms and address to negotiate.

Write Owner

32. Signature (Signed) A. H. Johnson

Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES

Service Report

Date 10-3-42

Nature of Call _____

Place _____

Name William Hinton

Address 2134 W Adams

Subject Rare Metals brine
near Ray -

Inoly + Cu claims

Action _____

Signed _____

Use other side if necessary

1

Ex A.

1. Mining and milling of Molybdenite ore to produce a molybdenum concentrate.

2. Amount applied for is five thousand dollars.

B. By getting this loan it will enable us to finish development already started to an extent where we can start our mill and produce Molybdenum Concentrate which is vital to National Defense.

3. The money loaned is to be used for dewatering the shaft and workings, repairing shaft timbers. Cleaning out caved drift in bottom. Extending drift into the ore. Getting out ore to supply our twenty five ton mill.

To purchase air compressor and jackhammer. To improve flotation circuit by adding an extra cell.

To purchase supplies and tools needed

2

Ex 7.

to perform work. To pay labor for at least ninety days.

4. ¹⁷ Having owned the Black Copper group of claims since 1934 in this district, I had noticed this old shaft adjoining my claims for some time. As the outcrop was about sixty feet in width and heavy in specular iron my attention was called to it. So I recorded two claims on this property Dec. 8th 1939 and hired men to clean out and open up the shaft at considerable expense. After reaching the bottom at 105 ft we cleaned out a drift and found this vein of Molybdenite ore. So I had the men drift on the ore and exposed a vein about six feet wide that assayed 1.69%. In tracing the history back I found that a man

#3

Ex 4.

4th Con. by the name of Lloyd Sierrac
had put the shaft down in 1909
and after striking Molybdenum had
abandoned the mine. So at the
present time with the mill set up
all that I need is some capital to
clean out the workings and start
production.

#4

EX 11

5

5 A This property is in the Riverside ~~number~~
No 2 mining district about five miles
west of Kelvin Ariz. B Township four,
Section 13 East S. E corner of Section
8 and 17. No patented claims. Two and one
half miles to Woolley station on the S. P. 8 miles to river.
C Claims are known as Rare Metals No 1
and No 2. Recorded in Book 51 pages
228-229 at Florence Arizona

D. These claims run N. E and S. W. and
the Molybdenum outcrops on the foot of
the hill adjoining the Zellweger patented
claim to the East. On Nov 25 1940 I
recorded a labor affidavit in book 7 page 473
of \$2016.00 on these claims. Also have
a later recording.

5

EX A

E. There is no immediate properties
joining that are producing. I have
six copper claims adjoining.

6 —

7 —

8

Financial Statement

Owning on Mine & Mill. Mach.	50.00
Personal Current Debts	
Finances Co	100.00
Other small Debts	150.00
Total.	\$ 300.00

6

Ex B.

H. —

B. Submit geoloical report from university.

C.

1 Map attached

2 Assay certificate attached

3 We have a vertical shaft 4×6 inside the timbers 105 ft deep then a 5×6 drift crosscutting the vein at 30 ft north of the shaft. Then a drift west on the vein about 20 ft in. This drift is caved at the present time as the Molybdenum comes in a soft rock of the schist nature.

7

Ex C.

4. Equipment on property.

- At Mine; One 22 H.P. drum hoist capacity.
1000 ft $\frac{3}{4}$ cable.
2000 ft $\frac{5}{8}$ cable.
1 - 1000 lb. mine bucket
1 - 22 ft head frame, automatic dump.
1 - Mine pump 250 gal. per hour
1 - 2 H.P. Gas Engine for pump.
50 ft mine rails
1 - Mine car truck.

At Mill site.

- 1 - 25 ton Gibson Mill complete.
2 - Gibson Flotation Cells
1 - 7x7 Ellis Crusher
1 - Line shaft + Pulleys
4 - Belts
1 - 30 H.P. Gas Engine

8

E & C. Con.

Millset. Con

- 1 - 3000 Gal. Water Tank.
- 1 - $1\frac{1}{4}$ in Centrifugal pump.
- 1 - $1\frac{1}{2}$ H.P. Gas Engine for same.
- 2 - Reagent feeders.

1 Two Room Cottage for workers fully equipped.

This Machinery is set up ready to operate all in H. I. condition.

We have ample water supply as it is close to the Lila River.

9

Ex B.

D

1. The shaft is standing about one half full of water at present and I expect the drift to be partially caved. We intend first to pump out the water as we have our own pump. This will take about a week: ~~at cost~~ about. Then I propose to retimber the first thirty feet of the shaft and repair the balance.

Then start cleaning out the caved drift so we can retimber and drift further into the ore body.

2. This is a wet mine as the water made each day is about 250 gals in 24 hours. Estimate cost to dewater \$180.00 cost per day is small.

E. We are using gasoline power now but as the power line is only $2\frac{1}{2}$ miles away

#10

E x B,

B

E. we could extend to it ~~as~~ or use Diesel engines.

APPLICATION FOR A PRELIMINARY DEVELOPMENT LOAN

NOTE—Read carefully Circular No. 14, Revised, and this application form before starting to prepare application.

Application of

(NAME) Arnold H. Johnson
 (ADDRESS) 218 S 11th Ave
 (CITY AND STATE) Phoenix, Ariz.

For a Preliminary Development Loan under authority of Public Law 603 approved June 11, 1942.
 The application should be prepared and executed in duplicate.

Date _____

Name of correspondent Arnold H. JohnsonAddress 218 S 11th Ave PhoenixLocation of mine: County Pinal State Ariz Mineral or metal produced MolybdenumMolybdenum Arnold H. Johnson (hereinafter called "applicant"),a Individual (Corporation, individual, partnership), hereby applies to RECONSTRUCTION FINANCE CORPORATION (hereinafter called"R. F. C."), for a loan of not more than \$ 5000 to be evidenced by a note or notes satisfactory to R. F. C., payable only out of proceeds of operation of the mining property.

To induce R. F. C. to make such loan, applicant submits as part of this application the attached exhibits, A and B and such other exhibits and papers as are attached hereto, and warrants and represents the statements herein and therein to be true and complete.

Applicant represents that applicant is not, at the time of making this application, indebted to R. F. C. in any amount, and neither the applicant nor any other party on applicant's behalf has heretofore applied to R. F. C. for a loan, except as follows:

Applicant hereby authorizes all constituted Federal, State, municipal, and other authorities at all times and from time to time to permit representatives of R. F. C. to have full access to and to furnish R. F. C. with any and all information, records, reports, returns, and files pertaining to or filed by or on behalf of applicant.

Dated _____, 194__

(Sign below)

WITNESS: _____

WITNESS: _____

(Corporate application to be executed by the President and Secretary with corporate seal affixed;
 partnership application to be executed by a general partner)

EXHIBIT A

1. NATURE OF BUSINESS: Describe briefly the type of operation being conducted or contemplated.

2. LOAN:

- (a) Amount of loan applied for: \$..... (Not to exceed \$5,000 to any one applicant.)
 (b) Submit statement explaining manner in which loan will be advantageous to the national defense.

3. PURPOSES OF LOAN: Specific purposes for which applicant proposes to expend proceeds of loan applied for. (Detailed information should be given.)

Nature of Expenditure	Amount
Machinery, Air Compressor Jackhammer Etc.	\$ 1000.00
Labor, 5 men 90 days	2700.00
Fuel, Powder, Timber Supplies Etc	1300.00

4. HISTORY AND PRESENT STATUS: This subject should be fully covered and should include the following information: A statement of previous development, operation and production of the mining property, giving dates; statement as to exact nature of applicant's interest in or ownership of the property, including date and circumstances under which acquired.

5. LOCATION AND DESCRIPTION OF MINING PROPERTY:

- (a) Mining district in which property is situated. If on surveyed ground, give section, township, and range. Give name and distance to railroad station.
 (b) Names and survey numbers of all patented claims, including map.
 (c) Names, dates of location, place and date of recording, book and page record of all unpatented locations, including sketch map.
 (d) Description of mineral acreage, including map, and recording data.
 (e) Names of any adjoining or neighboring productive properties.

6. IF APPLICANT IS A CORPORATION, SUPPLY THE FOLLOWING:

(a) General Information

1. Principal office and place of business.....
 (Street and Number)

.....
 (City) (State)

2. When organized.

3. Under what laws organized.

4. Names of States in which qualified to do business.

(b) Names and Addresses of Officers:

Name and address

Official title (if officer is also director indicate by "D")

.....
.....
.....

(c) Articles, Bylaws, Etc.—Copies of Articles of Incorporation, bylaws, and certificates of authority to do business, with all amendments to date, certified and sworn to by applicant's Secretary, all to be attached hereto.

7. IF APPLICANT IS A PARTNERSHIP, SUPPLY THE FOLLOWING:

(a) Names and Addresses of All Partners:

Name
 (Indicate if any partners are limited or special partners)

Address

.....
.....
.....

(b) Affidavits and Agreements—Copies of all partnership affidavits and agreements, certified and sworn to by the partner signing the application, all to be attached hereto.

8. FINANCIAL STATUS: Submit current financial statement, and state terms of notes payable, mortgage debts, etc., giving maturity dates, rate of interest, etc.; and describe any other liens.

EXHIBIT B

Technical Data

The data required by Exhibit B should be supplied in detail on separate sheets of paper attached at end of this Exhibit.
Data should be lettered and numbered to correspond with respective paragraphs below.

- A. **REPORTS:** Furnish any reports available that apply to this application, including results from any metallurgical investigations.
- B. **GEOLOGY AND TOPOGRAPHY:** Submit all available information and maps.
- C. **EXISTING DEVELOPMENT:**
 - 1. Furnish all possible information with regard to the ore body or mineral deposit. If maps and sections of the mine are not available, pencil sketches are acceptable. However, such sketches should, if possible, be drawn to scale, or if not, dimensions must be shown. Give all available assays of samples, stating clearly how samples were taken, giving width and location of each sample. Show the location, value and width of each sample on maps submitted.
 - 2. Submit certificates, when available, giving analysis of each sample and number each sample to correspond with sample numbers on the maps submitted.
 - 3. State type of mine, whether tunnel or shaft, and show in detail the existing workings. State distance along vein between levels and to surface. Indicate condition of workings, noting on map caved areas and those areas which it is proposed to make accessible.
 - 4. List present equipment on property and describe condition.
- D. **PROPOSED PRELIMINARY DEVELOPMENT OF EXISTING MINE WORKINGS:**
 - 1. State clearly and in detail the proposed work such as unwatering, retimbering and making accessible such workings, together with estimated cost thereof, including purchase of tools and supplies.
 - 2. State whether workings are dry or wet; if latter estimated volume of water that has to be pumped, total gallons and gallons per minute to keep water down, and estimated cost of initial dewatering as well as cost to keep water down.
 - 3. Show on sketch map of existing workings the extent of ore which it is proposed to sample and assay when such workings are made accessible.
- E. **POWER:** State kind and source of power proposed to be used.

Rare metals

MEMORANDUM

TO: A. MACFARLANE

October 8, 1943

FROM: J. S. COUPAL

SUBJECT: The Riverside Mine Company, Johnson,
Your report

Mr. A. H. Johnson has just phoned saying that they were being held up in their plans awaiting a copy of your engineer's report. Please give this your early attention when you get back to the office. When you submit this report, make note how many copies are to be sent to Johnson.

J. S. Coupal

JSC:JES

Rare Metals

October 15, 1942

Granted

W. B. Gohring, Supervising Engineer
RFC Mine Loan Division
325 Heard Building
Phoenix, Arizona

Subject: Docket No. C-ND- Phoenix, 20.

Dear Mr. Gohring:

Arnold H. Johnson made application under the above docket number for a Preliminary Development loan on his Rare Metals Claims near Kelvin, Pima County, Arizona.

In view of the recent change in the molybdenum situation it is felt that this application should be reconsidered. While the property is not well developed, 6 feet of commercial molybdenite has been exposed on the 85 foot level. Drifting along this exposure has not been accomplished to any great extent. There is a favorable surface area about 40 feet wide and 800 feet long which has not been crosscut at depth. The exposure above referred to being on the foot wall of this mineralized zone. It is considered that this loan should be allowed for unwatering, repairing a slight cave on the 85 foot level, continuation of the drift on the ore. The lower crosscut is about 55 feet long and if extended another 20 feet should reach the hanging wall of the zone, which would be another favorable location for mineable molybdenite ore.

The applicant intended to use a portion of the loan for additions to the existing 25 ton mill. This portion of the application should be disallowed and all of these preliminary funds utilized in the extension of the existing workings. Following this development sufficient ores might be produced by further development to operate this small mill; in which case the mill additions could be authorized.

While this is little more than a prospect at the present time it does offer possibilities for a relatively early molybdenum production and in our opinion warrants this preliminary expenditure as a means of evaluating its future production possibilities.

Very truly yours

Earl F. Hastings
Assistant Director
& Projects Engineer

EFH:BA

MEMORANDUM

TO: A. Macfarlane

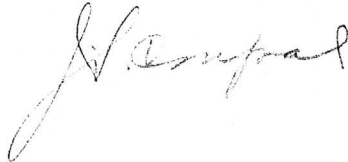
September 21, 1943

FROM: G. A. Ballam

SUBJECT: Molybdenum Property, Arnold H. Johnson

Arnold H. Johnson of Phoenix has a molybdenum property in the Florence area on which he is anxious to obtain advice re an RFC loan. He will contact you at the regular Florence council meeting October 1. Johnson will be at the hotel in Florence earlier in the day.

George A. Ballam



October 4, 1943

MEMORANDUM

RARE METALS MINE

TO: Andrew Macfarlane

FROM: J. B. Coupal

A. H. Johnson, 308 North 14th Street, Phoenix, called and stated that he had taken certain sample and was having it assayed, and I told him to forward the report to you on the assay as soon as he received same so that you might include this in your report.

As soon as you complete the report on the Rare Metals, please forward it to this office and we will advise Johnson and assist him in making out his revised application for a loan.

JSC:LP

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

SYMBOLS

DL = Day Letter
NT = Overnight Telegram
LC = Deferred Cable
NLT = Cable Night Letter
Ship Radiogram

A. N. WILLIAMS
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

7PS JS 21 NL 4 EXTRA

PHOENIX ARIZ OCT 14 1942

*Rand
Mistals*

FRED PERKINS

US ENGINEER-GLOBE ARIZ

PLEASE ADVISE TIME YOU WANT TO SEE JOHNSON MOLLY PROPERTY AND I WILL
MEET YOU AT KELVIN

H M JOHNSON 2210 WEST VANBUREN PHOENIX

837A OCT 15

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

October 9, 1942

MEMORANDUM

TO: Fred Perkins

FROM: Earl F. Hastings

Attached is a letter from Harold H. Johnson relative to his Rare Metals Claims in Riverside #2 mining district, 5 miles west of Kelvin, Pima County, Arizona.

His original application was turned down due to the lack of market for molybdenum at the time application was made. Since then molybdenum has become more critical and we feel that, as long as the skeleton of a mill is already on the premises, that this property might develop into an early producer.

Please give us your report.

October 9, 1942

Arnold H. Johnson
218 South 11th Ave.
Phoenix, Arizona

Dear Mr. Johnson:

Recent changes in the molybdenum situation would indicate that your RFC application on the Rare Metals Claims would now receive more favorable consideration than at the time first application was made. Will you please send us your file copy of this application that we may use it for review in making recommendations relative to the reconsideration of your application.

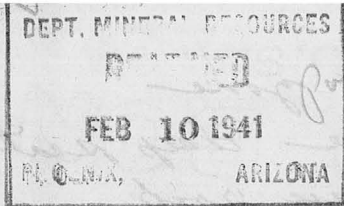
We suggest that this take precedence over your proposed application on your copper claim. We are asking our field engineer, Mr. Fred Perkins, to visit your property at his earliest convenience that we may have his reaction as well as the information contained in your application.

Very truly yours,

Earl F. Hastings
Assistant Director
& Projects Engineer

EFH:BA

cc: Fred Perkins
William Hinton



DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

Date FEB. 10 - 41

1. Mine *Johnson Mine*
2. Location *ABOUT 5 MILES WEST
KELVIN ARIZ.*
3. Mining District & County *RIVERSIDE, PINAL COUNTY*
4. Former name *-*
5. Owner *A. H. JOHNSON* ✓
6. Address (Owner) *218 S. 11th Ave
PHOENIX*
7. Operator *SAME*
8. Address (Operator) *SAME*
9. President, Owning Co. *-*
- 9A. President, Operating Co. *-* ✓
10. Gen. Mgr. *-*
14. Principal Minerals *MOLYBDENITE*
11. Mine Supt. *-*
15. Production Rate *10 TONS PER DAY*
12. Mill Supt. *-*
16. Mill: Type & Cap. *-*
13. Men Employed *2*
17. Power: Amt. & Type *22 HP. HOIST
GASOLINE*
18. Operations: Present *DRIFTING ON
VEIN STOCK PILING ORE*
19. Operations: Planned *TO INSTALL MILL*
20. Number Claims, Title, etc. *FOUR CLAIMS*
21. Description: Topography & Geography *Lower Pinal Mountains about
nine miles south of Ray Ariz. Ten miles east of Superior
in a mineralized district.*
22. Mine Workings: Amt. & Condition *6x8 shaft 105 ft deep crosscut
43 ft drift on vein 20 ft.*

23. Geology & Mineralization *Pegmatite vein along fault zone traceable for about 6000 ft on surface deep seated high temperature deposit of dark basic rock.*

24. Ore: Positive & Probable, Ore Dumps, Tailings *Ore on top about 50 tons ore in mine in sight indefinite*

24A. Dimensions and Value of Ore body *Vein at 100 ft depth shows in drift 6 ft wide Molybdenum assays from 1.69% to 8.77%*

25. Mine, Mill Equipment & Flow-Sheet *None*

26. Road Conditions, Route *Good road right into mine 3 miles from main highway. Railroad $\frac{3}{4}$ mile from mine.*

27. Water Supply *Bila river $\frac{3}{4}$ mile water all seasons.*

28. Brief History *Opened up recently*

29. Special Problems, Reports Filed

30. Remarks

31. If property for sale: Price, terms and address to negotiate.

Pending. Need mill.

32. Signature

P. H. Johnson

33. Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date July 13-1945
 Name of Mine Rare Metals
 Owner or Operator A. H. Johnson
 Address Kelvan - Arizona
 Mine Location Kelvan - District

Filing Information

File System.....

File No.....

This chart to be used for gallons of gasoline required per month.

PRESENT OPERATIONS: (check X)

Production.....; Development ☒; Financing.....; Sale of mine.....;

Experimental (sampling).....; Owner's occasional trip.....;

Other (specify).....

PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months

Approx. present rate per 3 months

Anticipated rate next 3 months

If in distant future check (X) here

Refining mine

EQUIPMENT OPERATED:

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars			
Light or Service Trucks			
Ore Hauling Trucks			
Compressors	<u>18</u>		
Other Mine or Mill Eqpt.	<u>24</u>	<u>360</u>	<u>300</u>

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

Copper and molybdenum

REMARKS:

Copper 3 1/2 % m.s. 4 1/2 %
appears to be worthwhile operation

Approved

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By A. H. Johnson

Engineer

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

Date Feb. 10, 1941

1. Mine Johnson Mine
2. Location About 5 miles west of Kelvin, Ariz.
3. Mining District & County Riverside, Pinal Co.
4. Former name
5. Owner A. H. Johnson
6. Address (Owner) 218 S. 11th. Ave. Phoenix, Ariz.
7. Operator Same
8. Address (Operator) Same
9. President, Owning Co.
- 9A. President, Operating Co.
10. Gen. Mgr.
14. Principal Minerals Molybdenite
11. Mine Supt.
15. Production Rate 10 tons per day
12. Mill Supt.
16. Mill: Type & Cap.
13. Men Employed two
17. Power: Amt. & Type 22 HP hoist gasoline
18. Operations: Present Drifting on vein stock piling ore
19. Operations: Planned To install mill
20. Number Claims, Title, etc. Four Claims
21. Description: Topography & Geography
Lower Pinal Mountains about nine miles south of Ray,
Arizona. Ten miles east of Superior in a mineralized district.
22. Mine Workings: Amt. & Condition 6x8 shaft 105 ft. deep crosscut 43 ft. drift on vein 20 ft.

32. Signature (Signed) A. H. Johnson

3. Geology & Mineralization Pegmatite vein along fault zone traceable for about 6000 ft. on surface-deep seated high temperature deposit of dark basic rock.

4. Ore: Positive & Probable, Ore Dumps, Tailings

ore on top about 50 tons.

Ore in mine in sight indefinite.

4A. Dimensions and Value of Ore body

Vein at 100 ft. depth shows in drift 6 ft. wide Molybdenum
Assays from 1.69% to 8.77%.

5. Mine, Mill Equipment & Flow-Sheet

None

6. Road Conditions, Route

Good road right into mine--3 miles from main highway. Railroad
3/4 miles from mine.

7. Water Supply

Gila River 3/4 mile water all seasons

8. Brief History

Opened recently

9. Special Problems, Reports Filed

10. Remarks

Need mill

11. If property for sale: Price, terms and address to negotiate.

Write Owner

32. Signature.....(Signed) A. H. Johnson

12. Use additional sheets if necessary.

APPLICATION FOR A PRELIMINARY DEVELOPMENT LOAN

NOTE—Read carefully Circular No. 14, Revised, and this application form before starting to prepare application.

Application of

(NAME) Arnold S Johnson
(ADDRESS) 218 S 11th Ave
(CITY AND STATE) Phoenix Ariz.

For a Preliminary Development Loan under authority of Public Law 603 approved June 11, 1942.

The application should be prepared and executed in duplicate.

Date _____
Name of correspondent Arnold S Johnson
Address 218 S 11th Ave Phoenix
Location of mine: County Pinal State Ariz Mineral or metal produced Molybdenum

Molybdenum Arnold S Johnson (hereinafter called "applicant"),
a Individual, hereby applies to RECONSTRUCTION FINANCE CORPORATION (hereinafter called
(Corporation, individual, partnership)

"R. F. C."), for a loan of not more than \$ 5000 to be evidenced by a note or notes satisfactory to R. F. C., payable only out of proceeds of operation of the mining property.

To induce R. F. C. to make such loan, applicant submits as part of this application the attached exhibits, A and B and such other exhibits and papers as are attached hereto, and warrants and represents the statements herein and therein to be true and complete.

Applicant represents that applicant is not, at the time of making this application, indebted to R. F. C. in any amount, and neither the applicant nor any other party on applicant's behalf has heretofore applied to R. F. C. for a loan, except as follows:

~~None~~

Applicant hereby authorizes all constituted Federal, State, municipal, and other authorities at all times and from time to time to permit representatives of R. F. C. to have full access to and to furnish R. F. C. with any and all information, records, reports, returns, and files pertaining to or filed by or on behalf of applicant.

Dated _____, 194____ (Sign below)
WITNESS: _____
WITNESS: _____

EXHIBIT A

1. NATURE OF BUSINESS: Describe briefly the type of operation being conducted or contemplated.

2. LOAN:

- (a) Amount of loan applied for: \$_____ (Not to exceed \$5,000 to any one applicant.)
(b) Submit statement explaining manner in which loan will be advantageous to the national defense.

3. PURPOSES OF LOAN: Specific purposes for which applicant proposes to expend proceeds of loan applied for. (Detailed information should be given.)

Nature of Expenditure	Amount
Machinery, Air Compressor Jackhammer Etc.	\$ 1000.00
Labor, 5 men 90 days	2700.00
Fuel, Powder, Timber Supplies Etc	1300.00

4. HISTORY AND PRESENT STATUS: This subject should be fully covered and should include the following information: A statement of previous development, operation and production of the mining property, giving dates; statement as to exact nature of applicant's interest in or ownership of the property, including date and circumstances under which acquired.

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- (a) Mining district in which property is situated. If on surveyed ground, give section, township, and range. Give name and distance to railroad station.
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(c) Names, dates of location, place and date of recording, book and page record of all unpatented locations, including sketch map.
(d) Description of mineral acreage, including map, and recording data.
(e) Names of any adjoining or neighboring productive properties.

6. IF APPLICANT IS A CORPORATION, SUPPLY THE FOLLOWING:

(a) General Information

1. Principal office and place of business _____,
(City) (State)

2. When organized.
3. Under what laws organized.
4. Names of States in which qualified to do business.

(b) Names and Addresses of Officers:

Name and address

Official title (if officer is also director indicate by "D")

(c) Articles, Bylaws, Etc.—Copies of Articles of Incorporation, bylaws, and certificates of authority to do business, with all amendments to date, certified and sworn to by applicant's Secretary, all to be attached hereto.

7. IF APPLICANT IS A PARTNERSHIP, SUPPLY THE FOLLOWING:

(a) Names and Addresses of All Partners:

Name
(Indicate if any partners are limited or special partners)

Address

(b) Affidavits and Agreements—Copies of all partnership affidavits and agreements, certified and sworn to by the partner signing the application, all to be attached hereto.

8. FINANCIAL STATUS: Submit current financial statement, and state terms of notes payable, mortgage debts, etc., giving maturity dates, rate of interest, etc.; and describe any other liens.

EXHIBIT B

Technical Data

**The data required by Exhibit B should be supplied in detail on separate sheets of paper attached at end of this Exhibit.
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1. Furnish all possible information with regard to the ore body or mineral deposit. If maps and sections of the mine are not available, pencil sketches are acceptable. However, such sketches should, if possible, be drawn to scale, or if not, dimensions must be shown. Give all available assays of samples, stating clearly how samples were taken, giving width and location of each sample. Show the location, value and width of each sample on maps submitted.
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- E. **POWER:** State kind and source of power proposed to be used.

Rare metals

MEMORANDUM

TO: A. MACFARLANE

October 8, 1943

FROM: J. S. COUPAL

SUBJECT: The Riverside Mine Company, Johnson,
Your report

Mr. A. H. Johnson has just phoned saying that they were being held up in their plans awaiting a copy of your engineer's report. Please give this your early attention when you get back to the office. When you submit this report, make note how many copies are to be sent to Johnson.

J. S. Coupal

JSC:JES

Rare Metals

October 15, 1942

C *Granted*

W. B. Gohring, Supervising Engineer
RFC Mine Loan Division
325 Heard Building
Phoenix, Arizona

Subject: Docket No. C-ND- Phoenix, 20.

Dear Mr. Gohring:

Arnold H. Johnson made application under the above docket number for a Preliminary Development loan on his Rare Metals Claims near Kelvin, Pima County, Arizona.

In view of the recent change in the molybdenum situation it is felt that this application should be reconsidered. While the property is not well developed, 6 feet of commercial molybdenite has been exposed on the 85 foot level. Drifting along this exposure has not been accomplished to any great extent. There is a favorable surface area about 40 feet wide and 800 feet long which has not been crosscut at depth. The exposure above referred to being on the foot wall of this mineralized zone. It is considered that this loan should be allowed for unwatering, repairing a slight cave on the 85 foot level, continuation of the drift on the ore. The lower crosscut is about 55 feet long and if extended another 20 feet should reach the hanging wall of the zone, which would be another favorable location for mineable molybdenite ore.

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Very truly yours

Earl F. Hastings
Assistant Director
& Projects Engineer

EFH:BA

C

MEMORANDUM

TO: A. Macfarlane

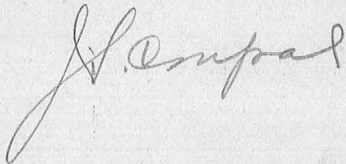
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George A. Ballam



October 4, 1943

MEMORANDUM

RARE METALS MINE

TO: Andrew Macfarlane

FROM: J. S. Coupal

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As soon as you complete the report on the Rare Metals, please forward it to this office and we will advise Johnson and assist him in making out his revised application for a loan.

JSC:LP

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

SYMBOLS

DL=Day Letter

NT=Overnight Telegram

LC=Deferred Cable

NLT=Cable Night Letter

Ship Radiogram

A. N. WILLIAMS
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

7PS JS 21 NL 4 EXTRA

PHOENIX ARIZ OCT 14 1942

Rare Metals

FRED PERKINS

US ENGINEER-GLOBE ARIZ

PLEASE ADVISE TIME YOU WANT TO SEE JOHNSON MOLLY PROPERTY AND I WILL MEET YOU AT KELVIN

H M JOHNSON 2210 WEST VANBUREN PHOENIX

837A OCT 15

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

October 9, 1942

MEMORANDUM

TO: Fred Perkins

FROM: Earl F. Hastings

Attached is a letter from Harold H. Johnson relative to his Rare Metals Claims in Riverside #2 mining district, 5 miles west of Kelvin, Pima County, Arizona.

His original application was turned down due to the lack of market for molybdenum at the time application was made. Since then molybdenum has become more critical and we feel that, as long as the skeleton of a mill is already on the premises, that this property might develop into an early producer.

Please give us your report.

October 9, 1942

Arnold H. Johnson
218 South 11th Ave.
Phoenix, Arizona

Dear Mr. Johnson:

Recent changes in the molybdenum situation would indicate that your RFC application on the Rare Metals Claims would now receive more favorable consideration than at the time first application was made. Will you please send us your file copy of this application that we may use it for review in making recommendations relative to the reconsideration of your application.

We suggest that this take precedence over your proposed application on your copper claim. We are asking our field engineer, Mr. Fred Perkins, to visit your property at his earliest convenience that we may have his reaction as well as the information contained in your application.

Very truly yours,

Earl F. Hastings
Assistant Director
& Projects Engineer

EFH:BA

cc: Fred Perkins
William Hinton