UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

600

AIR MAIL

JAN 7 1952

Mr. A. J. Johnson
Consulting Mining Engineer
Keystone, South Dakota

Re: DMEA Docket No. 2056
Beryl & Mica
A. J. Johnson & J. R. Jurisch
Ponca Lode Mine

Dear Mr. Johnson:

Receipt is acknowledged of your letter of November 26, 1951, in which you ask for a reconsideration of denial of application for the above referred project.

Complying with this request we have again reviewed the case, particularly with respect to the first phase, or that part of your original project involving 300 feet of diamond drilling estimated to cost some $1,600. This part of the program, we find is no more desirable than the whole and would be inadequate to materially contribute to the program for National Defense. We therefore reaffirm the denial of your original application.

Sincerely yours,

C. O. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

JTRobertson/jem
12-14-51
cc to: Adm. Reading File
Mails and Files Br.
Docket
Messrs. Mittendorf
Needleman - Rm. 1345
Dietrick - Rm. 3526
Norton, J.- Rm. G-228, G.S.
Robertson
Field Team, Region V

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

RWASKEY:MP
10-31-51

370

cc: Administrator's Reading File
DMA Docket File
Field Team, Region V (2)
Mr. Barr

A. I. Johnson & J. R. Jurisch
Keystone
South Dakota

Subject: DMA-2056X - Beryl & Mica
Ponca Lode

Gentlemen:

Your application for aid for an exploration project on beryl and mica deposit located near Keystone, South Dakota, and docketed as DMA-2056X, has been reviewed by this office.

Projects approved by the Defense Minerals Administration must, in its judgment, show definite promise of yielding material of acceptable grade, physical character and specifications, in quantities that will significantly improve the mineral supply position for National Defense.

A very careful study of your proposal, including examination by DMA Field Team, revealed the following:

1. A sound geologic basis for expecting to encounter significant amounts of strategic minerals in the deposit, has not been demonstrated.

2. The principal product which might be obtained from mining the deposit would be scrap mica which is not classed as strategic.

3. The apparent limited size of the deposit makes it highly unlikely that a successful mining venture could be based on this pegmatite.

Under these circumstances, your application for exploration aid to the extent of 90% of $11,558.50 is denied. Should additional information become available, we would be glad to have you resubmit your proposal for consideration.

Unless we receive a request within 30 days, we will consider the case closed.

Sincerely yours,
(signed) FRANK E. JOHNSON

Frank E. Johnson
Acting Administrator

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

(Sgd) FRANK G. JOHNSON

9-19

XXXXXXXXXXXXXX
Region V
2908 Colfax Avenue South
Minneapolis 8, Minnesota

October 25, 1951

Memorandum

To: Tom Lyon, Chairman, Coordinating Committee, Defense Minerals Administration, Washington 25, D. C.

From: Executive Officer, DMA Field Team, Region V

Subject: Docket DMA-2056x - A. K. Johnson - J. R. Jarinsh, Keystone, South Dakota

Returned is the subject application, review of application, and supporting data, together with four copies of the field team's report of the investigation which recommends the application be denied.

A. B. Needham
Executive Officer
DMA Field Team, Region V

Attachments

~~Attachments~~

cc Dutton
Mullen
Region V
Files
df

C-19

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Rapid City Field Office
School of Mines Campus
Rapid City, South Dakota

October 23, 1951

Memorandum

To: A. B. Needham, Executive Officer, DMA Field Team, Region V

From: Supervising Engineer, Rapid City Field Office

Subject: Exploration application, DMA Docket No. 2056X
Ponca Lode, Pennington County, S. Dak.

Enclosed are five copies of the report of the field team on the subject application, together with supporting papers.

Copies of the report have been retained for our files and transmitted to Dr. Dutton and the Survey at Custer.

D. H. Mullen

Attachments

cc: Reg. Director, Reg. V
files

RECEIVED
OCT 25 1951
DEPT. OF INTERIOR
BUREAU OF MINES
MINNEAPOLIS, MINN.
REGION V

[redacted]
2000 Golfview Avenue South
Minneapolis 6, Minnesota
Region 7

September 28, 1951

Memorandum

To: Donald E. Walker, Supervising Engineer - U. S. Bureau of Mines - School of Mines Campus - Rapid City, South Dakota

From: Executive Officer - DMA Field Team, Region 7

Subject: DMA Docket 2036-2 - A. I. Johnson and J. R. Jurisch
Keystone, South Dakota

Enclosed is the application, together with the Survey transmittal and Bureau review, of the subject docket to be investigated by the Survey-Bureau Field Team.

The several important points in question are itemized in Mr. Griffith's transmittal to Mr. Mashay, as well as Mashay's review; all in addition to the field's usual points to be covered.

Please have the investigation made and submit five copies of the resulting report to this office together with the material herewith being sent you.

As previously instructed, one copy of the completed report should be forwarded directly to Mr. Dunham. If copies are needed for your files, they will have to be made also.

Enclosures:
Abbreviations
cc: Reg-Director
dc
[redacted]
Redden

A. B. Needham

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

370

SEP 25 1951

Messrs. A. I. Johnson and
J. R. Jurisch
Keystone
South Dakota

Subject: DMA-2056X - Beryl-Mica

Gentlemen:

Your application is being referred to Mr. A. B. Needham, Executive Officer, Region V, 2908 Colfax Avenue, South, Minneapolis, Minnesota, for further information.

Sincerely yours,

SIGNED

Tom Lyon, Director
Supply Division

RWASKEY:mp
9-20-51
cc: Field Team, Region V (2)
DMA Docket File
Mr. Barr

xxxxxxxxxxxxxx
2906 Colfax Avenue South
Minneapolis 8, Minnesota
Region V

September 7, 1951

Memorandum

To: Defense Minerals Administration - Interior Building - Washington 25, D. C.

From: Executive Officer - DMA Field Team, Region V

Subject: General Technical Data for A. I. Johnson and J. R. Jurisch, Keystone, South Dakota

Enclosed are four copies of the subject forms transmitted to this office preparatory to their submitting an application for exploratory assistance in the search for beryl and sheet mica on the Ponca and Ponca No. 1 dikes near Keystone, South Dakota, and for serialization and filing pertinent data on the partnership.

Enclosures:
ABNeedham:mlc
cc: Reg.Dir-Reg.V
Dutton
Mullen
df
Files

A. B. Needham

xxxxxxxxxxxxxxx
2908 Colfax Avenue South
Minneapolis 8, Minnesota
Region V

September 7, 1951

Memorandum

To: Tom Lyon, Chairman - Coordinating Committee - Defense Minerals Administration - Interior Building - Washington 25, D. C.

From: Executive Officer - DMA Field Team, Region V

Subject: Exploration application - A. I. Johnson and J. R. Jurisch Keystone, South Dakota

Enclosed are four copies of an application by Messrs. A. I. Johnson and J. R. Jurisch of Keystone, South Dakota, to explore the Ponca and Ponca No. 1 dikes near Keystone, South Dakota, for beryl and sheet mica by core drilling and, if promising, to be supplemented by underground work.

Forms MF-100, General Technical Data, on this partnership were forwarded to Washington today, also.

Enclosures: 4
AENeedham:mlc
cc: Dutton
Mullen
Reg.Dir-Reg.V
df
Files

A. B. Needham

ARTHUR I. JOHNSON
CONSULTING MINING ENGINEER
KEYSTONE, S. D.

Sept. 4, 1951

Bureau of Mines
DEPARTMENT OF THE INTERIOR
RECEIVED
SEP - 6 1951
Minneapolis
Mining

Mr. A. B. Needham,
Executive Officer- IMA Field Team, Region V,
Bureau of Mines,
2908 Colfax Avenue South,
Minneapolis 8, Minnesota.

Dear Mr. Needham:

Mr. Walker, recently returned our original application for the exploration and development of our Ponce Lode, and suggested that we amend this by applying for exploration funds.

We are herewith forwarding forms MF 103 and MF 100 to cover our project.

Sincerely yours,

A. I. Johnson

A. I. Johnson

Rapid City Field Office
School of Mines Campus
Rapid City, South Dakota

August 7, 1951

Mr. A. I. Johnson
Keystone, South Dakota

Dear Mr. Johnson:

With reference to our conversation yesterday concerning your application for government assistance to explore your Tomor pegmatite, there are enclosed a copy of MI-5, which is explanatory matter on the MP-106 form, and a questionnaire, also on the exploration loan.

Very truly yours,

Glen Walker
Mining Engineer

Enc. 2

cc: Needham
files

xxxxxxxxxxxxxxx
2908 Colfax Avenue South
Minneapolis 8, Minnesota
Region V

August 2, 1951

Memorandum

To: Donald H. Mullen, Supervising Engineer, U. S. Bureau of Mines, School of Mines Campus, Rapid City, South Dakota

From: Executive Officer - DMA Field Team, Region V

Subject: Application for government loan by A. I. Johnson and J. R. Jurisch.

Four copies of Form MF-102, Application for Government Loan Not to Exceed $50,000, have just been received from Mr. Johnson.

Review of this application indicates that it probably should come under the heading of exploration rather than production expansion loan. It appears that the purpose of the work is to prove tonnages of two commodities, and the production would not be scheduled until six or eight months later and would be determined by the current proposed development.

The applications are being returned to you with the suggestion that you discuss with Johnson the probability of his applying for an exploration loan first; and if that is agreed, then please have him make application on the Form MF-103. If he insists that his application should be for an expansion loan, then considerably more information such as proven tonnages, proven grade, method of extraction, etc., will have to be incorporated into a report to accompany his loan application. It is felt that he means he wants an exploration loan rather than an expansion loan.

Enclosures:
ABNeedham:mlc
cc: Reg.Dir-Reg.V
df
Files

A. B. NEEDHAM

xxxxxxxxxxxxxx
2908 Colfax Avenue South
Minneapolis 8, Minnesota
Region V

August 2, 1951

Memorandum

To: Landon F. Strobel, Executive Secretary to the Defense Minerals Administration, Interior Building, Washington 25, D. C.

From: Executive Officer - DMA Field Team, Region V

Subject: Form MF-100 - A. I. Johnson and J. R. Jurisch
Keystone, South Dakota

Enclosed are four copies of Form MF-100, General Technical Data, for the partnership of A. I. Johnson and J. R. Jurisch, who are going to make application for either an expansion or exploration loan.

This is for your file and information.

A. B. Needham

Enclosures:
ABNeedham:mls
cc: Reg.Dir-Reg.V
df
Files

Bureau of Mines
DEPARTMENT OF THE INTERIOR
RECEIVED
JUL 30 1951
Minneapolis
Mining

Keystone, S. Dak.,
July 27, 1951

Mr. A. B. Needham,
Executive Officer- DMA Field Team, Region V
Bureau of Mines,
2908 Colfax Avenue South,
Minneapolis 8, Minnesota.

Dear Mr. Needham:

We are inclosing amended application for exploration work at the Ponca Mine near Keystone, S. Dak.

Very truly yours,

A. I. Johnson

STANDARD FORM No. 14
APPROVED BY THE PRESIDENT
MARCH 10, 1926

TELEGRAM

OFFICIAL BUSINESS—GOVERNMENT RATES

FROM D. H. Mullen

BUREAU Mines

CHG. APPROPRIATION

U. S. GOVERNMENT PRINTING OFFICE 10—1723

Rapid City, S. Dak.
July 5, 1951
Telephoned 10:00 a.m.

A. B. NEEDHAM, EXECUTIVE OFFICER
DMA FIELD TEAM, REGION V
U. S. BUREAU OF MINES
2908 COLFAX AVENUE SOUTH
MINNEAPOLIS 8, MINNESOTA

RETEL: A.I. JOHNSON EXPLORATION APPLICATIONS, ADDITIONAL APPLICATIONS MAILED DMA WASHINGTON. USGS SENDING MAPS OF TWO TO DMA WASHINGTON. MAP ON THIRD BEING PREPARED.

D. H. MULLEN

CONFIRMATION
REG. OFFICE
FILES

RECEIVED
JUL 9 1951
DEPT. OF INTERIOR
BUREAU OF MINES
MINNEAPOLIS, MINN.
REGION V

Bureau of Mines
DEPARTMENT OF THE INTERIOR
RECEIVED
JUL 9 1951
Minneapolis
Mining

Department of the Interior

Bureau of Mines

9:00 a.m.
July 5, 1951

Straight wire

D. H. Mullen
U. S. Bureau of Mines
School of Mines Campus
Rapid City, South Dakota

A. I. Johnson exploration application for work on Ponca and Ponca No. 1, also Mineral Mills application filed by Johnson for work on Glenwood Lode, were returned to Johnson for further data. Advise what disposition he made of them.

D.P.A. extended 31 days. All applications we have been holding here are now being forwarded to Washington.

A. B. Needham
Chief, Mining Division
Region V

2908 Colfax Avenue South
Minneapolis 8, Minnesota

cc Confirmation
files
df
Region V

ABNeedham:dt

ARTHUR I. JOHNSON
CONSULTING MINING ENGINEER
KEYSTONE, S. D.

July 3, 1951

BUREAU OF MINES
DEPARTMENT OF THE INTERIOR
RECEIVED
JUL 6 1951
Minneapolis
Mines

Mr. A. B. Needham,
Executive Officier- IMA Field Team, Region V
Bureau of Mines,
2908 Colfax Avenue South,
Minneapolis 8, Minnesota.

no - it is an expansion loan

Dear Mr. Needham:

I am inclosing an amended exploration application for the Glenwood Lode. I have asked the U. S. G. S. to forward a copy of their map as we do not have any mpps of the property. On the Ponca Lode I am still trying to get a mpa of the property and hope I can get this amended for that property to you in a few days. Was unable to get forms immediately and then delayed on map problem. In regard to the work it would be an extension of the shaft and opening another unit of mica from that level.

Very truly yours,

A. I. Johnson

A. I. Johnson

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

(08)

W. P. MARSHALL, PRESIDENT

SYMBOLS
DL=Day Letter
NL=Night Letter
LT=Int'l Letter Telegram
VLT=Int'l Victory Ltr.

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

MC198 SSD300 DUPLICATE OF TELEPHONED TEL JUL 5 AM 11 35

M.RTA094 PD=RAPID CITY SDAK 5 1001A=

A B NEEDHAM=

EXEC OFFICE DMA FIELD CHIEF REGION 5 U S BUREAU

OF MINES 2908 COLFAX AVE SOUTH MPLS=

RETEL A. I. JOHNSON EXPLORATION APPLICATIONS. ADDITIONAL APPLICATIONS MAILED DMA WASHINGTON USGS SENDING MAPS OF TWO TO DMA WASHINGTON. MAP ON THIRD BEING PREPARED=

D H MULLEN.

File 36 Alt

JL 12p

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

2908 Colfax Avenue South
Minneapolis 8, Minnesota

June 5, 1951

Mr. A. I. Johnson
Keystone,
South Dakota

Dear Mr. Johnson:

This will acknowledge receipt of your exploration application pertinent to investigation of the Ponca and Ponca No. 1 lodes for beryl and strategic mica, and the Glenwood lode claim for strategic mica alone.

We have just been informed by the Defense Minerals Administration in Washington that all applications received from now on should be held in the Regional Office pending Congressional decision on extension of the Defense Production Act. Accordingly, both applications will be held here temporarily until such a time as it is learned the D.P.A. has been extended.

In the meantime may we ask that you forward the other three copies of each of the applications. Only one copy of each was sent here and four are required. Also, if possible, we would like to have a more concise sketch of just what the exploration will consist of on each (question 21). A map, for example, showing the proposed drifts, raises or crosscuts. In drawing up the actual contract, if the project were to be approved, one should very accurately describe and locate the work because only the area designated as the exploration area carries the lien in case production might ensue.

Maps are always useful and desirable if you have any.

Very truly yours,

A. B. Needham
Executive Officer - DMA Field Team,
Region V

ABNeedham:mlc
cc: Reg.Dir-Reg.V
Mining Div-Reg.V
df
Files

Rapid City Field Office
School of Mines Campus
Rapid City, South Dakota

June 22, 1951

Mr. A. I. Johnson
Mining Engineer
Keystone, South Dakota

Dear Mr. Johnson:

I am enclosing the necessary copies of Forms MF-100, General Technical Data for Use Under Defense Production Act of 1950, and MF-102, Application for Government Loan, Not to Exceed $50,000 under Defense Production Act of 1950.

If you require any further assistance, please feel free to call on us.

Very truly yours,

D. H. Mullen
Supervising Engineer

Attachments

cc: Reg. Director, Reg. V
Needham
files

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

BUREAU OF MINES ADMINISTRATION

REPORT OF INVESTIGATION
OF INDIVIDUAL MINE

RI-2066

Fenex Lode, Keystone District

Pennington County, South Dakota

Glen Walker, Mining Engineer
U. S. Bureau of Mines

J. A. Podden, Geologist
U. S. Geological Survey

October 23, 1951

[illegible] ALA[illegible]
Report of Field Examination

by

Glen Walker, Mining Engineer
U. S. Bureau of Mines

J. [illegible] Redden, Geologist
U. S. Geological Survey

Docket No.: D[illegible]-2056[illegible]
Property: [illegible]once Lode
Applicants: A. [illegible] Johnson and
J. [illegible] Durisch
Commodity: Beryl, mica

Conclusions and Recommendations

The lack of geologic indications of worthwhile amounts of strategic or economic minerals obviate further exploration in this deposit. The distribution of marketable feldspar in narrow zones would raise the cost of underground mining to a point where no profit could be realized. The gross value of the feldspar in the deposit to a depth of 110 feet (point at which applicant's adit would intersect deposit) is estimated between $9,[illegible]00 and $10,000. Certainly this pipe-like pegmatite can be explored in a cheaper manner than that outlined in the application, but the amount of strategic minerals is the limiting factor.

It is recommended the application be denied.

Geologic Report

The pegmatite is a pipe-like body, oval-shaped in cross-section, that has a true thickness of about 20 feet and a true length of about 3[illegible] feet. The pegmatite is exposed down the plunge for about 50 feet. The average strike of the pegmatite is about N. 65° E. and the dip in general is steep to the northeast. The pegmatite plunges about 80° due east at the surface, but it is believed that at depth the plunge steepens somewhat and trends more to the southeast.

An open cut and crosscut adit have exposed the center of the pegmatite at the 5-foot level. The adit turns eastward along the strike of the pegmatite and extends to the crest of the pegmatite. The keel of the pegmatite was not observed in the mine workings, but it is believed that the western edge of the adit is within 3 feet of the keel.

The pegmatite has an outer wall zone of quartz-albite-muscovite pegmatite which ranges from 1 to 6 feet in thickness. Part of the albite is of the cleavelandite variety. Within the wall zone is a core of quartz-perthite-albite-muscovite pegmatite. It is estimated that the core contains about 35 percent of perthite and 1 to 3 percent of muscovite. The wall zone probably averages 6 percent of muscovite, but the overall distribution of the muscovite in the zone is very spotty. Small beryl crystals, the largest only 2 inches in diameter, were found in both zones. Beryl crystals observed in the wall zone were very small and probably averaged less than 1 inch in diameter. Jurisch reports that the largest recovered beryl crystal weighed only 25 pounds. The wall zone may have 0.5 percent beryl, but the core probably has only 0.1 to 0.2 percent beryl.

Reserves and Recommendations

The muscovite is mostly of scrap quality, although a few pounds of sheet was sold during World War I. It is almost certain that less than 5 percent of the mine-run book mica is of good-stained or better quality.

It is estimated that 3,300 tons of pegmatite occur in the core of the pegmatite to a depth of 60 feet below the present workings (or 110 feet below the uppermost exposure of the pegmatite). Probably 35 percent of this tonnage would be recoverable perthite, and 0.2 percent recoverable beryl. The estimate of the beryl is based on a past production of 1 ton of beryl from 500 tons of mined rock. About 1 percent of the mined rock would be recoverable scrap mica.

Based on these estimates, the value of the mineable pegmatite in the core would be approximately $3,150 per ton. Increased mining costs at depth would make the profit margin, if any, so small that there would be little hope of paying off a $11,000 loan with such a small tonnage. Probably the pegmatite could be explored by a 150-foot long adit, costing about $2,000, but it is believed that the geologic risk would be too great even to warrant this smaller loan.

It is recommended that the application be denied on the basis of lack of geologic evidence for ore in a discovery of sufficient reserves to repay the loan.

File

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D.C.

370

SEP 25 1951

Bureau of Mines
Department of the Interior
Washington

SEP 27 1951

Minneapolis
Mining

Mr. A. B. Needham, Executive Officer
DMA Field Team, Region V
2908 Colfax Avenue, South
Minneapolis, Minn.

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Applicant A.I. Johnson - J. R. Jurisch, Keystone, S.D.

Docket No. DMA-2056X

Commodity Beryl-Mica

Amount $ 11,538.50

Please expedite the consideration of this application with particular reference to the points raised in the attached "Review".

Very truly yours,

Tom Lyon

Tom Lyon, Chairman
Coordinating Committee

Lowell B. Moon
For Bureau of Mines

T. P. Thayer
For Geological Survey

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. .....

Date received .....

Participation .....

A. I. Johnson
Keystone, S. Dak.

Name and address of applicant

Date May 31, 1951

FILL IN THIS BLOCK

Date of application May 31, 1951

Estimated cost $5,000.00

Mineral or metal Beryl & strategic mica

Percentage of Government participation 90%

Location of mine T. 2 S R 6 E. B. H. M

Date of filing MF-100 .....

DMA Docket Number, if available .....

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Individual

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. Consulting Mining Engineer and mine operator.

*5. Are you the owner or the lessee of the property? yes owner

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. none

7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? 10% of cost.
Sufficient to cover our part of cost.

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the property that will be in any way involved in the exploration project, including any existing mine or operating property. Ponca and Ponca No. 1 Lodes M.S. 1110

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. South end of M. S. 1110

NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any. Ponca and Ponca No. 1 Lode claims

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads. 3 miles S. E. of Keystone- County road ½ mi from property- Propery on Iron Creek- R. R. at Keystone

*13. State source and quantity of water available for operations and its sufficiency at all seasons. State amount of power to be used, rate per hour or other cost, and source. Gasoline driven compressor

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. Pipe lines, mine car and tool shed.

15. State in detail how the ore could be shipped and how and where milled. Ore is hand cobbed and shipped crude

*16. History:

(*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations. See appendix A.

(*b*) State briefly the known history and production of adjoining and neighboring properties. Appendix B

(*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

(*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining	Not operating now.			
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)

(*a*) Describe the ore or mineral deposits briefly. Pegmatite dike- carrying beryl, mica and feldspar

(*b*) Submit available maps and assay data.

(*c*) Give estimated tonnage and grade of each class of ore reserves. Purpose of work to prove tonnage.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions. Previous operations indicate possibilities.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? Beryl and mica

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. appendix C

NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

(*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each. 1 miner and helper

(*b*) Supervisors, by numbers and positions, with salaries of each. 1 supervisor.

(*c*) Cost of necessary repairs to existing facilities, structures, and buildings. nominal only

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings. none

(*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each. compressor-$1200.00

(*f*) Cost of rental for equipment which the operator proposes to rent.

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work. Drills.

(*h*) Cost of materials and supplies, including items of equipment costing less than $50 each. Supplies 1,000.00

(*i*) Cost of power, water, utilities, and any other items not provided for above. Labor $2800.00

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent. 6 months

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

(Name of company)

By C. D. Johnson
(Signature of authorized official)

May 31, 1951
(Date)

Owner of ½ Interest
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

Appendix A.

The property was originally operated in the early 80's for tin but found too low grade. No further work was done until property was purchased by Alton Leach and J. R. Jurisch. They operated the property during 1943 for beryl and sheet mica with feldspar as a by-product. No further work was done until one half interest heldby Leach was purchased by A. I. Johnson. Shortly following this work was started to open up the fledspar portion of the dike but due to lack of efficient equipment this work was discontinued. For developing the dike an ore chute 50 feet long was constructed and a compressor and tool shed.

Appendix B.

The Wood Tin lode about one half mile to the east on Iron Creek has produced considerable beryl which was sold to Colonial Mica during the last war. The property to the south has produced feldspar and one property to the West has produced considerable feldspar and beryl.

Appendix C.

The purpose of the lode development is to prove tonnages of beryl and strategic mica- Additional to this would be developed tonnages of feldspar which would help in repayment of the amount used to develop the mine. It is proposed to drive 150 feet of drifts and 100 feet of raises to develop the property. It is estimated that the cost of doing the work would be $5,000.00

RECEIVED
JUN - 4 1951
Minneapolis
Mining