DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

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DMA Docket No. 1611X

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_____

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Routing Slip

To:	Reports + Records	Date	10-3
~~To:~~	Thru Mr Lyon	Date	OCT 5 1951
To:	Reports and Records	Date	OCT 5 1951
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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

370

October 5, 1951

Memorandum

Q.E.C.

To: Reports and Records Unit, DMA

From: Chief, Industrial Minerals Branch, DMA

Subject: DMA 1611-X. Commodity: Tantalite, beryl, mica, etc.
Russell A. Funk, Detroit, Michigan
Amount: $50,000

Denial recommended because:

1. The deposits have been exposed by trenches, pits and shafts and a small production has been obtained; need for and justification of additional exploration work has not been demonstrated.

2. DMA Field examination and previous USGS examination results indicate little likelihood that the deposits might yield more than minor amounts of strategic minerals.

Attached:

1. Form MF-103 with additional information
2. Review of Application for Exploration Assistance
3. Memo. from Field Team, Region IV, with copy of geologic report by Mr. Truman H. Kuhn

James A. Barr

James A. Barr, Sr.

Approved:

J. P. Parsons

For Director, Supply Division

FILE COPY
SURNAME:

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

Worthy Barr

not stripped in DXR

370

October 5, 1951

a.E.R.

Memorandum

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From: Chief, Industrial Minerals Branch, DMA

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James A. Barr, Sr.

Approved:

SIGNED

Director, Supply Division

RWASKEY:esf
10/1/51
cc: Field Team, Region IV (2)
Mr. Lyon
Mr. Barr
DMA Docket File

FILE COPY
SURNAME:

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

370

OCT 5 1955

Mr. Russell A. Funk
4869 Bedford Road
Detroit 24, Michigan

Subject: DMA 1611-X
Tantalite, beryl, mica, etc

Dear Mr. Funk:

Your application for aid for an exploration project on beryl, tantalite, mica, etc., deposits located in Albany County, Wyoming, and docketed as DMA 1611-X has been reviewed by this office.

Exploration projects as defined in MO-5, Regulations Governing Government Aid in Defense Exploration Projects, must be confined to work necessary to search for unknown or undeveloped sources of strategic minerals; the work must be confined to a reasonable delineation and sampling of the ore and may not include work prosecuted primarily for mining or preparation for mining.

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. The deposits have been exposed and prospected by means of trenches, pits and shafts, and a small production of mica, beryl and tantalite has been obtained. Need for aid and justification of additional exploration work have not been demonstrated.

2. Data obtained by the examining geologist and by previous U. S. Geological Survey inspections indicate little likelihood of the deposits yielding more than minor amounts of strategic minerals.

Under these circumstances, your application for exploration aid to the extent of 90% of $50,000 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

Tom Lyon, Director
Supply Division

10/5

RWASKEY:esf
10/1/51
cc: Field Team Region IV (2)
DMA Docket File
Mr. Lyon
Mr. Barr

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

224 New Customhouse
Denver 2, Colorado

Air Mail

September 25, 1951

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: Final Report, DMA Docket 1611-X, Muscovite, Ione, Opal, and Red Spar Claims, Foxpark Area, Albany County, Wyoming

Enclosed herewith are the original and two copies of the report on the subject docket.

We concur with the conclusions and recommendations of the examining team that the exploration loan of $50,000 be denied.

The Brochure is enclosed.

J. H. East, Jr.

J. H. East, Jr.

A. H. Koschmann

A. H. Koschmann

Enclosures

Waskey

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

224 New Customhouse
Denver 2, Colorado

Air Mail

September 25, 1951

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: Final Report, DMA Docket 1611-X, Manganite, Lone, Opal, and Red Spar Claims, Fenspark Area, Albany County, Wyoming

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We concur with the conclusions and recommendations of the examining team that the exploration loan of $50,000 be denied.

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J. H. East, Jr.

A. H. Koschmann

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Defense Minerals Administration
200 New Customhouse
Denver 2, Colorado

September 21, 1951

Memorandum

To: DMA Field Team, Region IV

From: A. H. Koschmann

Subject: DMA Docket 1611X, Muscovite, Ione, Opal, and Red Spar Claims, Foxpark Area, Albany County, Wyoming

Attached are 8 copies of a geologic report by Truman H. Kuhn covering subject property. The three pegmatite bodies on the property have been exposed and prospected by means of trenches, pits, and shafts. A small production of mica, beryl, and tantalite has come from one of the pegmatite dikes, but no appreciable amounts have been reported from the other two. Since very little additional information can be expected from further exploration and since inferred reserves and grade of strategic mica, beryl, and tantalite are low, Mr. Kuhn recommends that this exploration loan be denied.

I concur with his recommendation.

Attached also is the brochure.

A. H. Koschmann
A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Attachments (10)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Defense Minerals Administration
200 New Customhouse
Denver 2, Colorado

September 21, 1951

Memorandum

To: DMA Field Team, Region IV

From: A. H. Koschmann

Subject: DMA Docket 1611X, Muscovite, Ione, Opal, and Red Spar Claims, Foxpark Area, Albany County, Wyoming

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I concur with his recommendation.

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A. H. Koschmann
A. H. Koschmann
Supervising Geologist
Colorado- yoming

Attachments (10)

MUSCOVITE, IONE, OPAL, AND RED SPAR CLAIMS

FOXPARK AREA

ALBANY COUNTY, WYOMING

DMA DOCKET 1611X

Geologic Report

By Truman H. Kuhn, Geologist
U. S. Geological Survey

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MUSCOVITE, IONE, OPAL, AND RED SPAR CLAIMS
FOXPARK AREA
ALBANY COUNTY, WYOMING

INTRODUCTION

The patented Muscovite and unpatented Ione, Opal, and Red Spar claims in Albany County, Wyoming, are owned by Russell A. Funk, 4859 Bedford Road, Detroit 24, Michigan. Mr. Funk has applied for a loan of $50,000.00 (DMA Docket 1611X) to further explore these pegmatite deposits for strategic mica, beryl, tantalite, and carnotite.

The four claims were examined on August 23 and 24, 1951.

The group is located at an elevation of approximately 9150 feet, near the summit of the Medicine Bow Mountains, in section 32, T. 15 N., R. 73 W., sixth principal meridian. The property is approximately 35 airline miles southwest of Laramie, Wyoming, and about 2½ airline miles southwest of the Foxpark Ranger Station, Wyoming.

Forest Service Pelton Road No. 602, which joins Wyoming State Highway 230 at a point 1 mile southwest of the road to Foxpark, provides access to the claims. The dirt road crosses the Opal, Red Spar, and Muscovite claims and passes just south of the Ione claim. The approximate claim locations are shown on the accompanying sketch map.

Workings on two of the claims, Muscovite and Ione, are described by Hanley, Heinrich, and Page in Pegmatite Investigations in Colorado, Wyoming, and Utah, 1942-1944: U. S. Geological Survey Professional Paper 227, pages 107-108, 1950. The deposit described in the Professional Paper as the Many Values Prospect is the pegmatite referred to in this report as the Muscovite claim.

GENERAL GEOLOGY

Three, more or less, parallel pegmatite bodies have been explored by pits and trenches on the four claims owned by Russell A. Funk. They occur in pre-Cambrian, tourmalinized mica schists and gneisses. The pegmatites are composed of quartz and muscovite with varying amounts of albite and microcline. Minor quantities of garnet, tourmaline, beryl, and tantalite have been found in these deposits.

MUSCOVITE CLAIM (MANY VALUES PROSPECT)

On the Muscovite claim, a pegmatite, trending N. 50° E. and dipping 85° N.W., is exposed for a length of 140 feet and a width of 15 feet. The workings in the prospect include two timbered shafts and two trenches totaling 120 feet in length. The trenches average 10 feet in width and 10 feet in depth. The shafts are now filled with water and the trenches partly filled with debris.

Because of the limited exposures, Manley and Page mapped the pegmatite as a single unit of albite-quartz-muscovite pegmatite. It is composed mainly of albite, quartz, and muscovite with minor quantities of garnet, tourmaline, beryl, tantalite, and fergusonite (?). Albite occurs as blocky white to gray crystals, as white to pink cleavelandite, and as a fine-grained white aggregate.

A small dark green crystal found in a muscovite book was identified by John W. Adams, geologist for the Mineral Deposits Reconnaissance Group, U. S. Geological Survey, as spinel, possibly zinc-bearing gahnite.

Muscovite

Muscovite occurs abundantly in the pegmatite in books that commonly are ruled and show "A" structure. The mica is light green, highly speckled with magnetite and stained by other iron oxides. The largest book observed was 4 inches by 5 inches; however, Hanley and Page report a book 13 inches wide by 16 inches long.

Beryl

No beryl was seen in place in any of the workings. Hanley and Page found some pale green and white beryl in the debris in the bottom of one of the trenches. The indices of refraction indicate a low alkali content.

Tantalite

A few masses and crystals of tantalite were found in place and in the debris in the trenches. The masses and crystals are small and very impure.

Carnotite

No carnotite was found and no significant radioactivity was detected.

Production

According to court records made when the ownership was in dispute, production from the prospect up to 1942 was 36,600 pounds of scrap mica, 2,500 pounds of punch mica, 500 pounds of rifted sheet mica, 4,000 pounds of beryl, and 85 pounds of tantalite-columbite. Apparently there has

been no additional production since 1942. Based on past production and the size of the excavation, Hanley estimated the content as:

	Pounds per ton	Percent
Punch and sheet mica	5	0.25
Beryl	5	0.25
Tantalite	0.1	0.005

IONE CLAIM

The Ione pegmatite is exposed in a northeasterly-trending trench 40 feet long and 12 feet wide. The pegmatite is composed chiefly of quartz, microcline, and muscovite with accessory albite.

Muscovite

Muscovite occurs in this pegmatite but not as abundantly as on the Muscovite claim. None of the mica seen was larger than 3 inches by 5 inches, and all was ruled, showed "A" structure, and was highly stained with iron oxide.

Beryl

No beryl was seen; however, Hanley and Page reported finding one specimen in the debris on the floor of the trench.

Tantalite

No tantalite was seen, but Hanley and Page reported finding one specimen in the debris on the floor of the trench. Russell A. Funk stated that this claim was the richest of the four in tantalum.

Carnotite

No carnotite was found and no significant radioactivity was detected.

OPAL - RED SPAR CLAIMS

There is an overlap of the Opal and Red Spar claims, and a pegmatite exposed by exploration work is covered by both claims.

The pegmatite body is exposed along its major trend of N. 50° E. for a distance of approximately 125 feet. It has been prospected over an area 50 feet by 40 feet by several shallow cuts and pits. The pegmatite is composed chiefly of quartz, microcline, and muscovite with accessory albite and minor amounts of garnet.

Muscovite

Muscovite occurs in this pegmatite but in lesser amounts than in the Muscovite and Ione pegmatites. The mica books are ruled, highly stained, and no mica larger than 2 inches across was seen.

Beryl and Tantalite

No beryl or tantalite was recognized in these workings.

Carnotite

No carnotite was found and no significant radioactivity was detected.

ORE RESERVES

Muscovite Claim (Many Values Prospect)

Based on past production this pegmatite is estimated to contain

0.25 per cent punch and sheet mica, 0.25 per cent beryl, and 0.005 per cent tantalite. Assuming a mineable depth of 20 feet below the present level and no change in size or grade, this deposit might contain about 3750 tons of pegmatic material containing approximately:

9 tons of punch and sheet mica;

9 tons of beryl;

0.2 tons of tantalite.

If the pegmatite should continue below the assumed 20 foot depth, underground mining methods would become necessary, or if open pit operations are employed, it would be necessary to excavate approximately as much gneiss and schist as pegmatitic material.

No carnotite production can be expected from this claim.

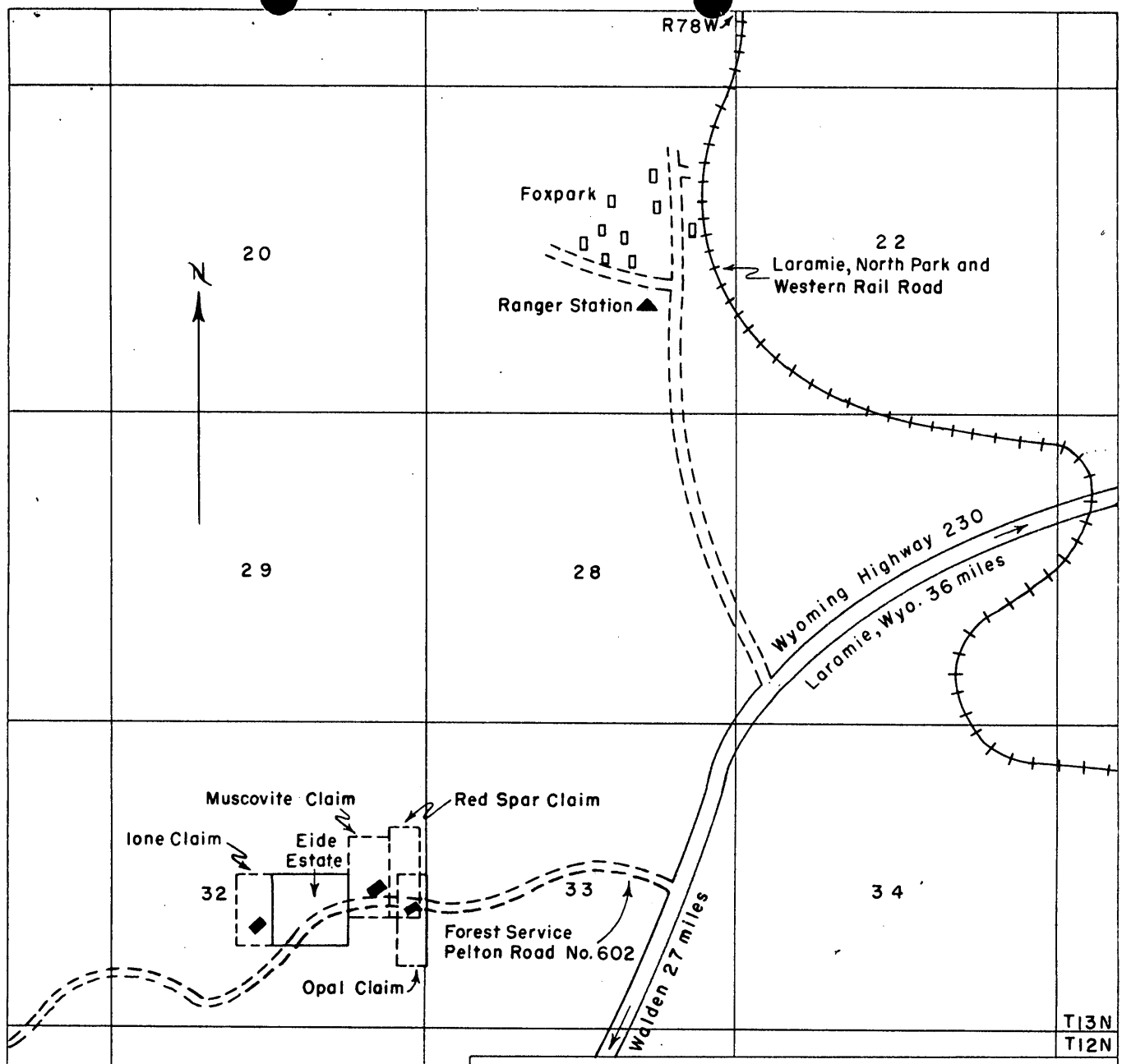
Ione and Opal - Red Spar Claims

Since there is no record of production and since no appreciable amounts of strategic mica, beryl, tantalite, or carnotite have been found in the workings, no ore reserves can be inferred for these claims.

CONCLUSIONS AND RECOMMENDATIONS

The three pegmatite bodies mentioned by the applicant as occurring on his group of claims have been exposed and prospected by means of trenches, pits, and shafts. A small amount of strategic mica, beryl, and tantalite has been produced from the Muscovite claim, but no appreciable amounts of these three minerals have been recognized or reported from the other claims.

Since very little additional information can be expected from further exploration and since the inferred strategic mica, beryl, and tantalite reserves are so low, it is recommended that this exploration loan for $50,000.00 be denied.



Pits and trenches in pegmatite

SCALE

0 1 MI.

Department of Interior
U.S. GEOLOGICAL SURVEY

Sketch Map showing Location of MUSCOVITE, IONE, OPAL and RED SPAR CLAIMS

Albany County, Wyoming

DMA Docket 1611X

August 1951 Truman H. Kuhn

From Forest Service Base Map. Approximate location of claims from sketch furnished by R.A. Funk.

Note: Location of Red Spar Claim, as given by R.A. Funk does not correspond to posted location description.

Muscovite Claim has been described as Many Values Prospect in U.S.G.S. Prof. Paper 227, pp.107-8.

FILE COPY
SURNAME:

Barr

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

AUG 21 1951

Mr. R. A. Funk
~~4869~~ Bedford Road
Detroit 24, Michigan

Subject: DMA-1611

Dear Mr. Funk:

Replying to your letter of August 15th addressed to Mr. Landon F. Strobel, the Defense Minerals Administration has no authority relative to performance of assessment work on mining claims.

As you were advised by letter of June 25 the subject application has been referred to Defense Minerals Administration Field Team, Region IV. As soon as a report is received from the Field Team appropriate action will be taken by this office based on their recommendation.

Sincerely yours,

SIGNED

BJ 8/21

James A. Barr, Sr., Chief,
Industrial Minerals Branch

RWASKEY:ms
8/19/51
cc: DMA-Files
210
Mr. Barr
Field Team, Region V

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 8/15

REFERRED TO:

1. Mr. Barr 3538
2.
3. Mr Mackey
4.

FOR:

✓ Action	Recommendation
Approval	Record of
Comment	Referring to
Conference	Reply for signature of
Consideration	Rewriting
Filing	Signature
Instructions	Suggestions
Investigation	Your information
Initials	
Mailing	
Previous correspondence	

REMARKS:

Check (X) before the items needing attention.

ROBERT E. ADAMS

Initials of sender.

GPO 16—63815-1

4869 Bedford Rd.
Detroit 24, Michigan

August 13, 1951

1611X

Mr. Landon F. Strobel, Executive Secretary
Defense Minerals Administration
Washington 25 D.C.

Dear Mr. Landon:

In May of this year, an application was executed for a loan to explore for strategic minerals - Docket # DMA-1611X. Location for this exploratory work is one patented and three unpatented claims near Fox Park, Wyoming in the Medecine Bow National Forest.

The assessment work on the three unpatented mining claims has not been done for the year 1951, due to the following reasons.

One of your regional offices advised in May, there was a bill in Congress to excuse this year's assessment work and that it would be reasonably sure to be passed because of the emergency.

For several years the writer has been working on Defense Projects, first at Sandia Base, Albuquerque, New Mexico and now in an engineering office in Detroit, engaged in defense work.

After the loan application was filed in your office, the applicant had anticipated that the exploration work would serve as necessary assessment work; but since no action on the loan has been announced as yet, it would probably be too late in the season to start the work this year even if the loan is granted.

Would like to be excused from doing the assessment work this year because of the above mentioned reasons.

If there is no executive in your division that has the authority to act on this request, will you please refer this letter to the proper executive.

Trusting that I may receive an early and favorable reply to this request, I am,

Respectfully yours,

R. A. Funk

R. A. Funk

RAF/kf

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

a.e.e.

AUG 21 1951

Mr. R. A. Funk
1859 Bedford Road
Detroit 24, Michigan

Subject: DMA-1611

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SIGNED

James A. Barr, Jr., Chief,
Industrial Minerals Branch

RWASKEY:ms
8/19/51
cc: DMA-Files
210
Mr. Barr
Field Team, Region V

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

JUN 27 1951

Mr. J. H. East, Jr.,
224 New Customhouse Building
Denver 2, Colorado

We attach Review of Application for Exploration Assistance

on:

Applicant Mr. Russell A. Funk, Fort Wayne Hotel, Detroit, Mich

Docket No. DMA-1611X

Commodity Beryl, Tantalum, Mica

Amount $

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

Very truly yours,

Tom Lynn, Chairman
Coordinating Committee

Bureau of Mines

Bureau of Geological Survey

Mr. Moon
Mr. Barr

FILE COPY
SURNAME:

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

Barr
McCrossen for
Moore
Lone

June 25, 1951

JUN 27 1951

Q. & C.

Russell A. Funk
Fort Wayne Hotel
Detroit, Michigan

not stripped in R. & R.

Subject: DMA-1611X; Beryl, Tantalum, Mica

Dear Mr. Funk:

Your application is being referred to Mr. J.H. East, Jr., 224 New Customhouse Building, Denver 2, Colorado, Executive Officer of the Field Team, Region IV, for further information.

Sincerely yours,

Tom Lyon

Tom Lyon, Director
Supply Division

RW:mas

cc: Administrator's Reading File
Mr. Strobel
Field Team
Mr. Barr
DMA Files

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

JUN 27 1951

Mr. J. H. East, Jr.,
224 New Customhouse Building
Denver 2, Colorado

Dear Sir:

We attach Notice of Application for Exploration Authorization and

Applicant Mr. Russell A. Funk, Fort Wayne Hotel, Detroit, Mich

Project No. DMA-1611X

Commodity Beryl, Tantalum, Mica

Acres 3

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

Very truly yours,

Tom Lyon

Tom Lyon, Chairman
Coordinating Committee

Lowell B. Moon
for Director of Mines

Edwin T. McKnight
for Geological Survey

NOTICE OF CHANGE OF ADDRESS

Russell A. Funk from Fort Wayne Hotel, Detroit 1, Michigan to:

4869 Bedford Road, Detroit 24, Michigan

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA-1611 X

Commodity Beryl, Tantalum, mica

Total Amount $50,000

Govt. Participation 90%

1. Name and Address of Applicant Russell A. Funk
Fort Wayne Hotel, Detroit Michigan

2. Location of Property Albany County, Wyoming

3. Mineral or metal Beryl, Tantalum Mica Is it listed in Section 9 of MO-5? Yes

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good

b) Poor Poor - Based on information from John Hanley, U.S.G.S. who mapped the property during World War II.

c) None The applicant gives insuffient ~~opinion~~ evidence to form an estimate of the chances of the property.

d) Don't know—needs field examination JAC 6/14/51

e) Is there an alternative and favorable project?
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes, owner
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? —

Does the lease have sufficient time to run to cover a future productive period? —

*question numbers are those of MF-103

1611-78

7. Are subordination agreements necessary? NO

a) MF-201?

b) MF-202

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower Yes

b) Equipment and supplies Not known
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Yes

d) Water (question 13)* Not known

e) Power (question 13)* ✓ ✓, Probably not necessary

Is a field check needed on any of these points? Yes b) d)

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* Insufficient data

Is a field check needed on this point? Yes

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? No

If not, are there sufficient data given so that you can describe the project? NO If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? No

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? Yes. Has requesled much more for

If not, what part of it is? exploration than is it is possible to need.

1611-7

Is this part a worthwhile exploration project? Insufficient data

d) Are the cost estimates detailed? Partially

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? NO If so, attach a draft.

e) Are the cost estimates reasonable? Too high

f) Should more information be requested from applicant? Yes

g) Is a field examination necessary to complete Exhibit A? Yes

11. Exhibit B (question 23-d)*

a) Is it applicable? Yes

b) If so, are sufficient data furnished? NO If so, attach a draft.

c) Is a field check needed? Yes

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? Yes

b) Sufficient data? NO If so, attach a draft.

c) Are rents and charges reasonable? Appear high

d) Is a field check needed? Yes

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? NO

b) Is the schedule adequate for the work proposed? Insufficient data

c) Is the schedule excessive for the work proposed? —

d) Are the proposed wages and salaries reasonable? Yes

e) Is a field check needed? Yes

1611-A

14. Exhibit E (question 23-c)*

a) Is it applicable? yes (listed as 23-d) in application)

b) Sufficient data? NO

c) Reasonable? Appears so

d) Field check needed? yes

15. In your judgment, can the proposed work be done in the proposed time? Yes

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Is there evidence of Beryl & strategic mica sufficient to warrant any Exploration? If so please recommend a modified program of drilling, trenching, etc. & Applicant will be requested to submit new schedule.

Reviewed by: [illegible]

Date 6/15/57

97692

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. DMA-1611X

Date received 6/5/51

Participation

Russell A. Funk
Fort Wayne Hotel
Detroit 1, Mich.

Name and address of applicant

Date 5/30/51

FILL IN THIS BLOCK

Date of application 5/30/51

Estimated cost $50,000

Mineral or metal Minerals

Percentage of Government participation 90%

Location of mines Sec. 32, Twp. 13 N., Range 78 W, 6th Prin. Meridian, Albany Co., Wyo

3 Claims
1 Patented
3 Unpatented

Date of filing MF-100 None

DMA Docket Number, if available None

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?
*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.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
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)?

*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 real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    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.

*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.

*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.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*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.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*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				
(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.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

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

THE EXPLORATION

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

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

    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.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*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.
    (*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.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

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.

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 Russell A. Frank (Signature of authorized official)
May 30 1951 (Date)	Owner (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

The Applicant

1. Partnership 4869 BEDFORD, DETROIT-24-MICH.
2. Russell A. Funk, ~~Fort Wayne Hotel, Detroit, Mich.~~
William R. Jumer, 9141 Grayton, Detroit 24, Mich.
3. None
4. Russell A. Funk, Mechanical Engineer
William R. Jumer, Technical & Industrial Instructor
a mining engineer will be employed for active mining operation.
5. Owner, R. A. FUNK
6. None
7. None
8. None
9. 10%

The Property

10a. } Same - See attached sheet 10a+b
b. }

11. Present names - Jone, Muscovite, - placer claims
Redipaw, Opal - lode claims

12. See attached map #12

13. Shallow wells to be drilled. Springs indicate high water level. 5000 watt gasoline powered generator

14. 3 log cabins: 2 for living quarters, 1 for machine & mill house.

15. Ore shipped by truck to Fox Park, Wyo., railroad spur & then by rail to nearest mill.

16b. Don't know

16c. Refer to question # 19

17. Not in production

18. a. Tantalum - Columbium, beryl, & mica pockets of various sizes in pegmatite formation in feldspar. Deposits at irregular intervals indicated by hand sampling, assessment work & mica mining.

b. Not available, but can be secured. At present at Albuquerque, New Mexico.

c. Unknown

19. John L. Funk, my brother, staked the above described claims, performed the assessment work, and exploration until his death in 1946, whereupon I, Russell A. Funk, inherited the claims free and clear.

The Exploration

20. Columbium - tantalum, Beryl, Mica. small specimens of carnotite

21. Diamond drilling to determine extent of deposits. Approximately 6 months actual working time

22. Refer to 18b.

The Requirements And Costs

cont. on p. 3.

23. (a) One laborer @ $250. per mo. - - - - - - $1500.
(b) One mining engineer @ $500 per mo. - - 3000.
(c) none
(d) Repair to Tool Shed - - - - - - - 200.
(e) Rubber Hose - - - - - - - - - - 200.
(f) Propose to employ a Contractor with diamond drilling equipment @ app. $5. per foot
app. 8300 ft. - - - - - 41,600.

(g) none
(h) none
(i) Drilling for water & necessary pumping equipment 1500.

Portable electric power generator, motor & necessary accessories 2000.
Total $50,000.

24 Expect the project to be completed within six month period after all equipment is on property.

If possible to secure diamond drilling contractor who is a mining engineer, we can eliminate the item (b) under #23 and this money can then be used for more diamond drilling

R. Trunk.

10a&b IONE PLACER CLAIM (UNPATENTED)

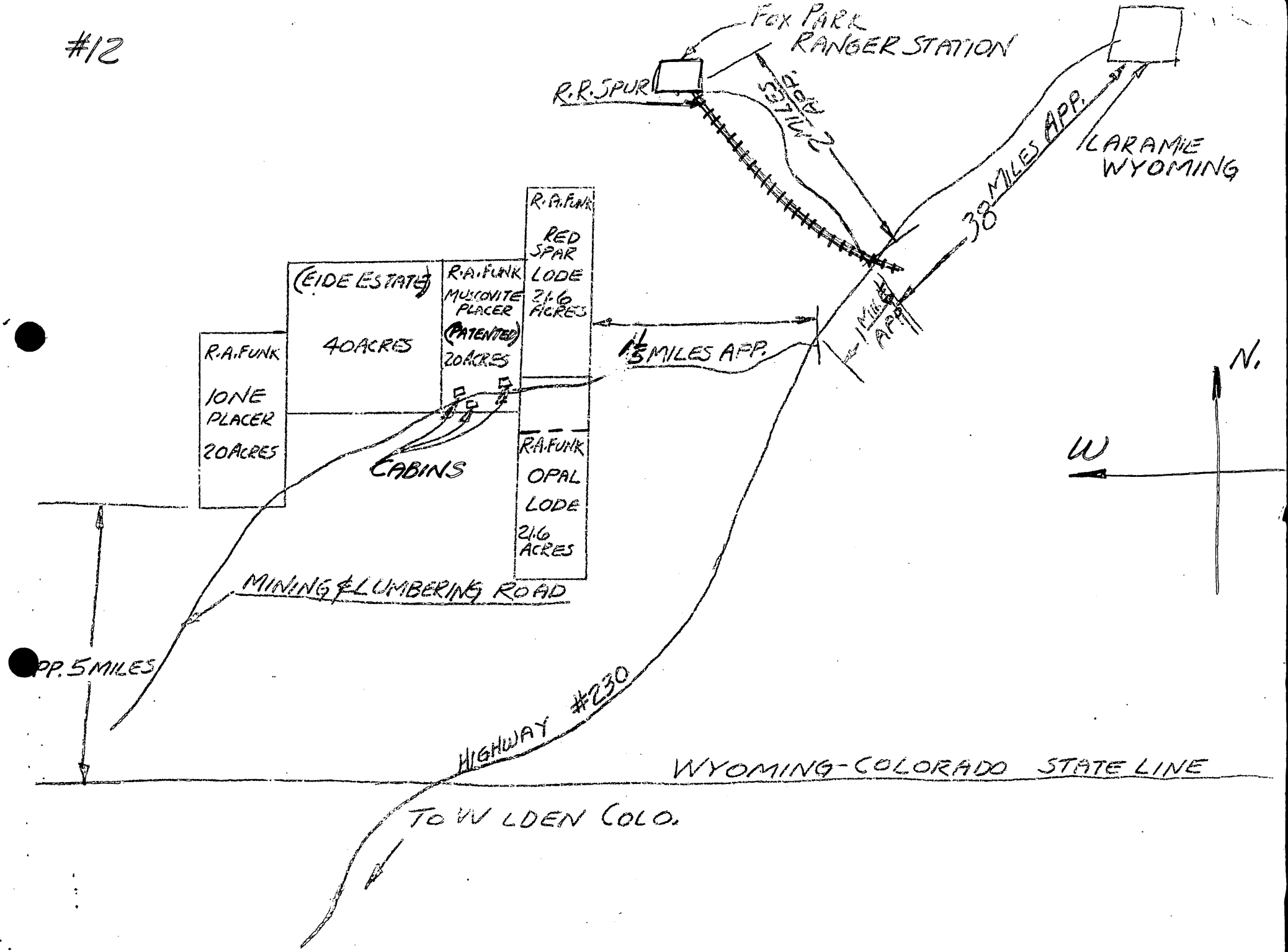
E $\frac{1}{2}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ - SEC. 32 - TYP. 13N - RANGE 78 W.
6TH PRIN. MERIDIAN - ALBANY COUNTY WYOMING

MUSCOVITE PLACER CLAIM - (PATENTED)
LEGAL DESCRIPTION UNAVAILABLE AT PRESENT
PROXIMITY TO IONE CLAIM IS SHOWN ON
MAP ATTACHED

OPAL & RED SPAR (LODE CLAIMS) UNPATENTED

SECTION 32 - TYP. 13N, RANGE 78 W.
6TH PRIN. MERIDIAN - ALBANY COUNTY - WYOMING
PROXIMITY TO IONE CLAIM IS SHOWN
ON MAP ATTACHED

#12


FOX PARK RANGER STATION
R.R. SPUR
2 MILES APP.
38 MILES APP.
LARAMIE WYOMING
R.A. FUNK
RED SPAR LODE
21.6 ACRES
(EIDE ESTATE)
40 ACRES
R.A. FUNK
MUSCOVITE PLACER
(PATENTED)
20 ACRES
R.A. FUNK
IONE PLACER
20 ACRES
1 1/5 MILES APP.
1 MILE APP.
N.
W
CABINS
R.A. FUNK
OPAL LODE
21.6 ACRES
MINING & LUMBERING ROAD
APP. 5 MILES
HIGHWAY #230
WYOMING-COLORADO STATE LINE
TO WELDEN COLO.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
Postmark 5/31/51
JUN 5 - 1951
LANDON F. STROBEL
Executive Secretary

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 23 1951
LANDON E. STROBEL
Executive Secretary

DETROIT MICH.
JUL 20
11-AM
1951

THIS SIDE OF CARD IS FOR ADDRESS

DET
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F

U. S. Dept. of the Interior
Defense Minerals Admin.
Wash. 25, D. C.

Att. Director Supply Div.

4869 Bedford
Detroit 24 Mich.
July 19, 1951

Gentlemen:—
In connection with
Docket # DMA-1611X; Beryl,
Tantalum, Mica — please
change address from
Fort Wayne Hotel to
4869 BEDFORD, DETROIT - 24 - MICH.

R. Funk.

FILE COPY
SURNAME:

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

June 18, 1951

Mr. Russell A. Funk
Fort Wayne Hotel
Detroit 1, Michigan

Subject: DMA-1611X
Re: Exploration Loan
Ione, Muscovite placer claims, Redspar, Opal lode claims

My dear Mr. Funk:

Receipt is acknowledged of your application and attachments of May 30, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1611X and was referred to Mr. James A. Barr, Chief, Industrial Minerals Branch on June 11, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1611X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:js
cc: Strobel-2
>Files
Barr
Lyon

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA-1611 X

Commodity Beryl, Tantalum, Mica

Total Amount $50,000

Govt. Participation 90%

1. Name and Address of Applicant Russell A. Funk
Fort Wayne Hotel, Detroit Michigan

2. Location of Property Albany County, Wyoming

3. Mineral or metal Beryl, Tantalum Mica Is it listed in Section 9 of MO-5? Yes

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good

b) Poor Poor - Based on information from John Hanley, U.S.G.S. who mapped the property during World War II.

c) None The applicant gives insufficient ~~evidence~~ evidence to form an estimate of the chances of the property.

d) Don't know—needs field examination JHR 6/14/51

e) Is there an alternative and favorable project?
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes, owner
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? —

Does the lease have sufficient time to run to cover a future productive period? —

*question numbers are those of MF-103

1611-A

7. Are subordination agreements necessary? NO

   a) MF-201? _____

   b) MF-202 _____

8. From the data presented, does the proposed project appear feasible from the point of view of:

   a) Available manpower Yes

   b) Equipment and supplies Not Known
      (Question 14 plus general knowledge of availability)*

   c) Accessibility (question 12)* Yes

   d) Water (question 13)* Not Known

   e) Power (question 13)* ✓ ✓, Probably not necessary

   Is a field check needed on any of these points? Yes b) d)

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* Insufficient data

   Is a field check needed on this point? Yes

10. Exhibit A. (questions 21 and 22)*

   a) Is the project adequately described? No

      If not, are there sufficient data given so that you can describe the project? NO If so, attach a draft.

   b) Is there an adequate map or sketch of the proposed work? No

   c) Is the proposed work "exploration" under the definition of Section 8, MO-5? Yes. Has requested much more for

      If not, what part of it is? exploration than it is possible to need.

1611-7

Is this part a worthwhile exploration project? Insufficient data

d) Are the cost estimates detailed? Partially

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? NO If so, attach a draft.

e) Are the cost estimates reasonable? Too high

f) Should more information be requested from applicant? yes

g) Is a field examination necessary to complete Exhibit A? yes

11. Exhibit B (question 23-d)*

a) Is it applicable? yes

b) If so, are sufficient data furnished? NO If so, attach a draft.

c) Is a field check needed? yes

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? yes

b) Sufficient data? NO If so, attach a draft.

c) Are rents and charges reasonable? Appear high

d) Is a field check needed? yes

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? NO

b) Is the schedule adequate for the work proposed? Insufficient data

c) Is the schedule excessive for the work proposed? —

d) Are the proposed wages and salaries reasonable? yes

e) Is a field check needed? yes

1611-A

14. Exhibit E (question 23-c)*

a) Is it applicable? yes (listed as 23-d) in application)

b) Sufficient data? NO

c) Reasonable? Appears so

d) Field check needed? yes

15. In your judgment, can the proposed work be done in the proposed time? yes

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Is there evidence of Beryl & Strategic Mica sufficient to warrant any Exploration? If so please recommend a modified program of drilling, trenching, etc. & Applicant will be requested to submit new schedule.

Reviewed by: [illegible]

Date 6/15/57

97692

MUSCOVITE, IONE, OPAL, AND RED SPAR CLAIMS

FOXPARK AREA

ALBANY COUNTY, WYOMING

DMA DOCKET 1611X

Geologic Report

By Truman H. Kuhn, Geologist
U. S. Geological Survey

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MUSCOVITE, IONE, OPAL, AND RED SPAR CLAIMS
FOXPARK AREA
ALBANY COUNTY, WYOMING

INTRODUCTION

The patented Muscovite and unpatented Ione, Opal, and Red Spar claims in Albany County, Wyoming, are owned by Russell A. Funk, 4869 Bedford Road, Detroit 24, Michigan. Mr. Funk has applied for a loan of $50,000.00 (DMA Docket 1611X) to further explore these pegmatite deposits for strategic mica, beryl, tantalite, and carnotite.

The four claims were examined on August 23 and 24, 1951.

The group is located at an elevation of approximately 9150 feet, near the summit of the Medicine Bow Mountains, in section 32, T. 13 N., R. 78 W., sixth principal meridian. The property is approximately 35 airline miles southwest of Laramie, Wyoming, and about 2½ airline miles southwest of the Foxpark Ranger Station, Wyoming.

Forest Service Pelton Road No. 602, which joins Wyoming State Highway 230 at a point 1 mile southwest of the road to Foxpark, provides access to the claims. The dirt road crosses the Opal, Red Spar, and Muscovite claims and passes just south of the Ione claim. The approximate claim locations are shown on the accompanying sketch map.

Workings on two of the claims, Muscovite and Ione, are described by Hanley, Heinrich, and Page in Pegmatite Investigations in Colorado, Wyoming, and Utah, 1942-1944: U. S. Geological Survey Professional Paper 227, pages 107-108, 1950. The deposit described in the Professional Paper as the Many Values Prospect is the pegmatite referred to in this report as the Muscovite claim.

GENERAL GEOLOGY

Three, more or less, parallel pegmatite bodies have been explored by pits and trenches on the four claims owned by Russell A. Funk. They occur in pre-Cambrian, tourmalinized mica schists and gneisses. The pegmatites are composed of quartz and muscovite with varying amounts of albite and microcline. Minor quantities of garnet, tourmaline, beryl, and tantalite have been found in these deposits.

MUSCOVITE CLAIM (MANY VALUES PROSPECT)

On the Muscovite claim, a pegmatite, trending N. 50° E. and dipping 85° N.W., is exposed for a length of 140 feet and a width of 15 feet. The workings in the prospect include two timbered shafts and two trenches totaling 120 feet in length. The trenches average 10 feet in width and 10 feet in depth. The shafts are now filled with water and the trenches partly filled with debris.

Because of the limited exposures, Hanley and Page mapped the pegmatite as a single unit of albite-quartz-muscovite pegmatite. It is composed mainly of albite, quartz, and muscovite with minor quantities of garnet, tourmaline, beryl, tantalite, and fergusonite (?). Albite occurs as blocky white to gray crystals, as white to pink cleavelandite, and as a fine-grained white aggregate.

A small dark green crystal found in a muscovite book was identified by John W. Adams, geologist for the Mineral Deposits Reconnaissance Group, U. S. Geological Survey, as spinel, possibly zinc-bearing gahnite.

Muscovite

Muscovite occurs abundantly in the pegmatite in books that commonly are ruled and show "A" structure. The mica is light green, highly speckled with magnetite and stained by other iron oxides. The largest book observed was 4 inches by 5 inches; however, Hanley and Page report a book 13 inches wide by 16 inches long.

Beryl

No beryl was seen in place in any of the workings. Hanley and Page found some pale green and white beryl in the debris in the bottom of one of the trenches. The indices of refraction indicate a low alkali content.

Tantalite

A few masses and crystals of tantalite were found in place and in the debris in the trenches. The masses and crystals are small and very impure.

Carnotite

No carnotite was found and no significant radioactivity was detected.

Production

According to court records made when the ownership was in dispute, production from the prospect up to 1942 was 36,600 pounds of scrap mica, 2,500 pounds of punch mica, 500 pounds of rifted sheet mica, 4,000 pounds of beryl, and 85 pounds of tantalite-columbite. Apparently there has

been no additional production since 1942. Based on past production and the size of the excavation, Hanley estimated the content as:

	Pounds per ton	Percent
Punch and sheet mica	5	0.25
Beryl	5	0.25
Tantalite	0.1	0.005

IONE CLAIM

The Ione pegmatite is exposed in a northeasterly-trending trench 40 feet long and 12 feet wide. The pegmatite is composed chiefly of quartz, microcline, and muscovite with accessory albite.

Muscovite

Muscovite occurs in this pegmatite but not as abundantly as on the Muscovite claim. None of the mica seen was larger than 3 inches by 5 inches, and all was ruled, showed "A" structure, and was highly stained with iron oxide.

Beryl

No beryl was seen; however, Hanley and Page reported finding one specimen in the debris on the floor of the trench.

Tantalite

No tantalite was seen, but Hanley and Page reported finding one specimen in the debris on the floor of the trench. Russell A. Funk stated that this claim was the richest of the four in tantalum.

Carnotite

No carnotite was found and no significant radioactivity was detected.

OPAL - RED SPAR CLAIMS

There is an overlap of the Opal and Red Spar claims, and a pegmatite exposed by exploration work is covered by both claims.

The pegmatite body is exposed along its major trend of N. 50° E. for a distance of approximately 125 feet. It has been prospected over an area 50 feet by 40 feet by several shallow cuts and pits. The pegmatite is composed chiefly of quartz, microcline, and muscovite with accessory albite and minor amounts of garnet.

Muscovite

Muscovite occurs in this pegmatite but in lesser amounts than in the Muscovite and Ione pegmatites. The mica books are ruled, highly stained, and no mica larger than 2 inches across was seen.

Beryl and Tantalite

No beryl or tantalite was recognized in these workings.

Carnotite

No carnotite was found and no significant radioactivity was detected.

ORE RESERVES

Muscovite Claim (Many Values Prospect)

Based on past production this pegmatite is estimated to contain

0.25 per cent punch and sheet mica, 0.25 per cent beryl, and 0.005 per cent tantalite. Assuming a mineable depth of 20 feet below the present level and no change in size or grade, this deposit might contain about 3750 tons of pegmatic material containing approximately:

9 tons of punch and sheet mica;

9 tons of beryl;

0.2 tons of tantalite.

If the pegmatite should continue below the assumed 20 foot depth, underground mining methods would become necessary, or if open pit operations are employed, it would be necessary to excavate approximately as much gneiss and schist as pegmatitic material.

No carnotite production can be expected from this claim.

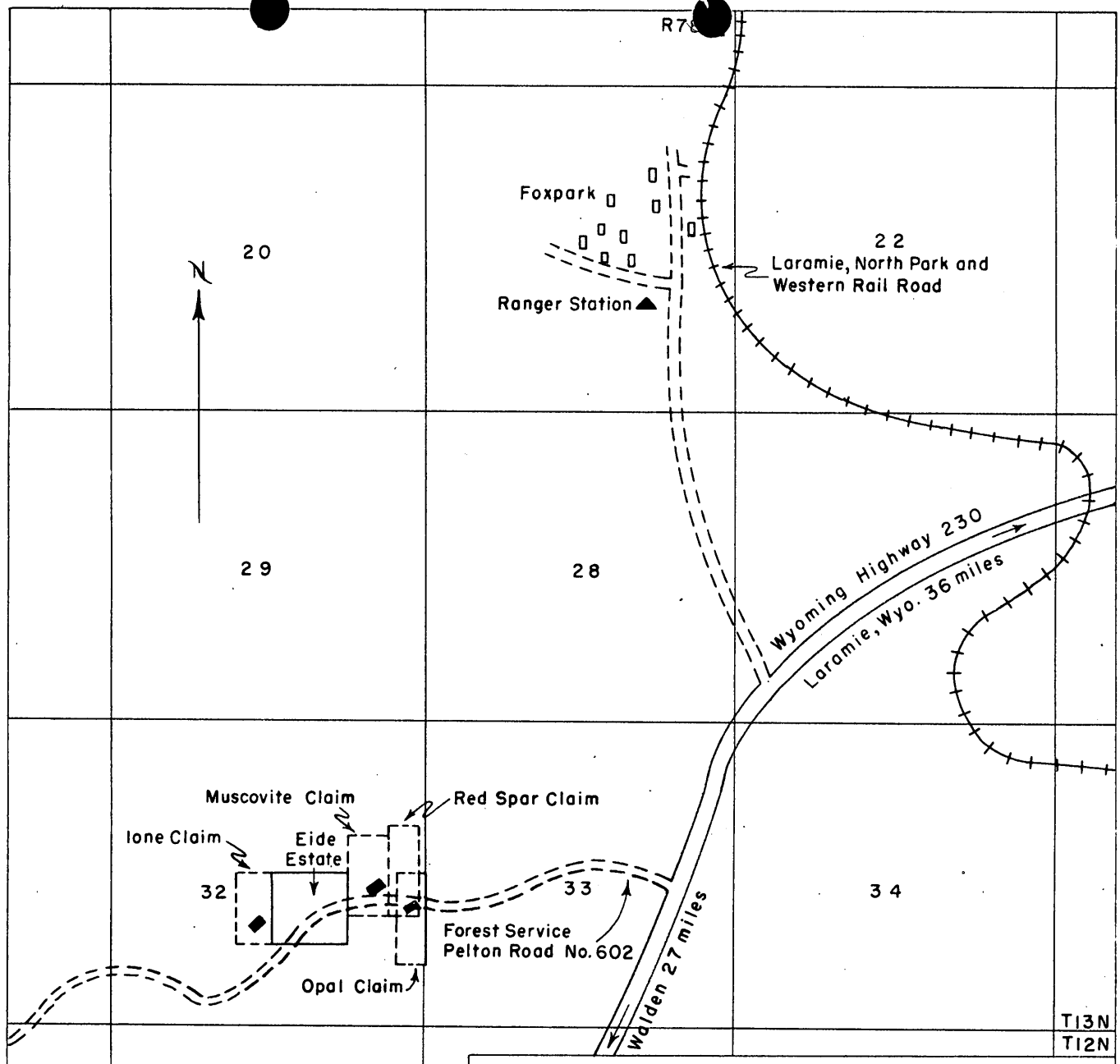
Ione and Opal - Red Spar Claims

Since there is no record of production and since no appreciable amounts of strategic mica, beryl, tantalite, or carnotite have been found in the workings, no ore reserves can be inferred for these claims.

CONCLUSIONS AND RECOMMENDATIONS

The three pegmatite bodies mentioned by the applicant as occurring on his group of claims have been exposed and prospected by means of trenches, pits, and shafts. A small amount of strategic mica, beryl, and tantalite has been produced from the Muscovite claim, but no appreciable amounts of these three minerals have been recognized or reported from the other claims.

Since very little additional information can be expected from further exploration and since the inferred strategic mica, beryl, and tantalite reserves are so low, it is recommended that this exploration loan for $50,000.00 be denied.



Pits and trenches in pegmatite

SCALE

0 1 MI.

Department of Interior
U.S. GEOLOGICAL SURVEY

Sketch Map showing Location of
MUSCOVITE, IONE, OPAL and RED SPAR CLAIMS
Albany County, Wyoming

DMA Docket 1611X

August 1951 Truman H. Kuhn

From Forest Service Base Map. Approximate location of claims from sketch furnished by R.A. Funk.

Note: Location of Red Spar Claim, as given by R.A. Funk does not correspond to posted location description.

Muscovite Claim has been described as Many Values Prospect in U.S.G.S. Prof. Paper 227, pp.107-8.

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. DMA-1611X

Date received 6/5/51

Participation

Russell A. Funk
Fort Wayne Hotel
Detroit, Mich.

Name and address of applicant

Date 5/30/51

FILL IN THIS BLOCK

Date of application 5/30/51

Estimated cost $50,000

Mineral or metal Minerals

Percentage of Government participation 90%

Location of mines Sec 32, Twp 13N, Range 78W, 6th Prin. Meridian, Albany Co., Wyo.

3 Claims:
1 Patented
3 Unpatented

Date of filing MF-100 None

DMA Docket Number, if available None

INSTRUCTIONS

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16—64067-1

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*11. State the present and former names of the property, if any.

*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.

*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.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*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.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*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				
(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.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

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

THE EXPLORATION

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

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

    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.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*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.
    (*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.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

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.

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 Russell A. Funk (Signature of authorized official)
May 30, 1951 (Date)	Owner (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

The Applicant

1. Partnership
2. Russell A. Funk, Fort Wayne Hotel, Detroit 1, Mich.
3. William R. Jenner, 914 Grayton, Detroit 24, Mich.
3. None
4. Russell A. Funk, Mechanical Engineer
   William R. Jenner, Technical & Industrial Instructor
   A mining engineer will be employed for actual mining operation.
5. Owner, R.A. FUNK
6. None
7. None
8. None
9. 100%

The Property

10 a, b } Same - See attached sheet 10a & b.

11. Present names - Tone, Muscovite - placer claims
    Redspar, Opal - lode claims
12. See attached map #12
13. Shallow wells to be drilled. Springs indicate high water level. 5000 watt gasoline powered generator.
14. 3 log cabins: 2 for living quarters, 1 for machine & mill house
15. Ore shipped by truck to Fox Park, Wyo. railroad spur & then by rail to nearest mill.

16 a. Muscovite was in commercial production by a lessor. 3 to 4 carloads of mica produced. Operation suspended because of low market price. Undetermined amounts of beryl & quartz crystals mined. Refer to question #19.

16a. Muscovite mine was in commercial production by a lessee. 3 to 4 carloads of mica was produced. Operation suspended because of low market price. Undetermined amounts of beryl and quartz crystals mined. Refer to ques. # 19.

16b Don't know

16c Refer to ques. # 19.

17. Not in production

18a. Tantalum - columbium, beryl, & mica pockets of various sizes in pegamatite formation in feldspar. Deposits at irregular intervals indicated by hand sampling, assessement work, and mica mining.

b. Not available, but can be secured. At present at Albuquerque, New Mexico.

c. Unknown

19. John L. Funk, my brother, staked the above described claims, performed the assessement work, and exploration until his death in 1948, whereupon I, Russell A. Funk, inherited the claims free and clear.

The Exploration

20. Columbium - Tantalum, Beryl, Mica. Small deposits of Carnolite.

21. Diamond drilling to determine extent of deposits approximately 6 months actual working time

22. Refer to 18b.

The Requirements And Costs

(Cont. on p. 3)

23.

(a) One laborer @ $250. per mo. ---- $1500.
(b) one mining engineer @ $500. per mo. --- 3000.
(c) none
(d) Repair to Tool shed ---------- 200.
(e) Rubber Hose ---------- 200.
(f) Propose to employ diamond drilling contractor with diamond drilling equipment @ app. $5. per foot app. 8300 ft. ---- 41600.

(g) none
(h) none
(i) Drilling for water & necessary pumping equipment --- 1500.
Portable electric power generator, motor & necessary accessories, etc. --- 2000.
Total $50,000.

24. Expect the Project to be completed within six month period after all equipment is on the property.

If possible, the contractor who we secure to do the diamond drilling will be a mining engineer, in which event the item (b) under #23 will be eliminated and this money can be used for more diamond drilling.

R. Frank.

10 acres / IONE PLACER CLAIM (UNPATENTED)

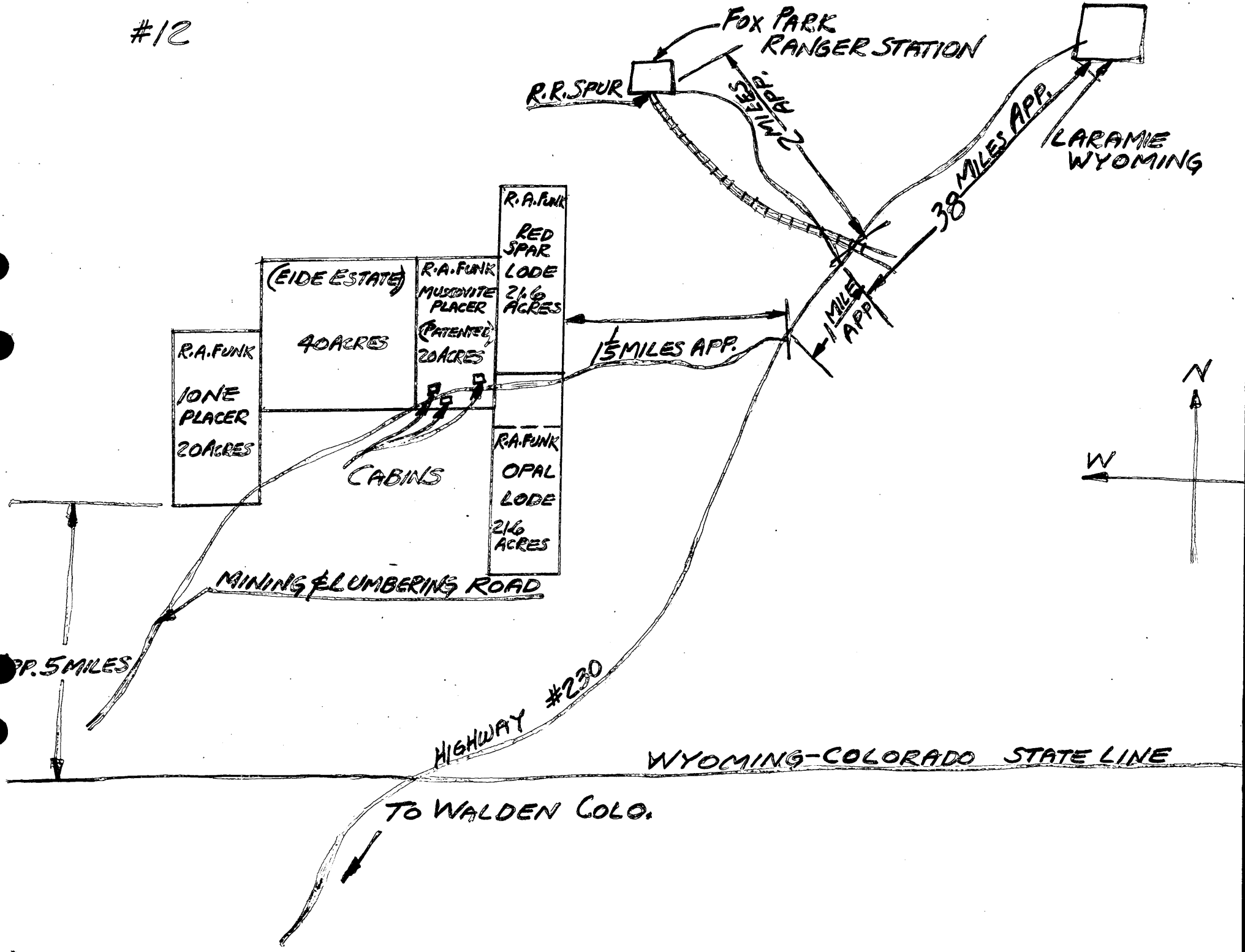
E $\frac{1}{2}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ - SEC. 32 - TYP. 13N - RANGE 78 W.
6TH PRIN. MERIDIAN - ALBANY COUNTY WYOMING

MUSCOVITE PLACER CLAIM - (PATENTED)
LEGAL DESCRIPTION UNAVAILABLE AT PRESENT
PROXIMITY TO IONE CLAIM IS SHOWN ON
MAP ATTACHED

OPAL & RED SPAR (LODE CLAIMS) UNPATENTED

SECTION 32 - TYP. 13N, RANGE 78 W.
6TH PRIN. MERIDIAN - ALBANY COUNTY - WYOMING
PROXIMITY TO IONE CLAIM IS SHOWN
ON MAP ATTACHED

#12


FOX PARK RANGER STATION
R.R. SPUR
2 MILES APP.
38 MILES APP.
LARAMIE WYOMING
R.A. FUNK
RED SPAR LODE
21.6 ACRES
(EIDE ESTATE)
40 ACRES
R.A. FUNK
MUSCOVITE PLACER
(PATENTED)
20 ACRES
1 MILE APP.
1 1/5 MILES APP.
R.A. FUNK
IONE PLACER
20 ACRES
CABINS
R.A. FUNK
OPAL LODE
21.6 ACRES
N
W
MINING & LUMBERING ROAD
APP. 5 MILES
HIGHWAY #230
WYOMING-COLORADO STATE LINE
TO WALDEN COLO.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
Postmarked 5/31/51
JUN 5 - 1951
LANDON F. STROBEL
Executive Secretary

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. Dma-1611X

Date received 6/5/51

Participation

Russell A. Funk
Fort Wayne Hotel
Detroit 1, Mich.

Name and address of applicant

Date 5/30/51

FILL IN THIS BLOCK

Date of application 5/30/51

Estimated cost $50,000

Mineral or metal Minerals

Percentage of Government participation 90%

Location of mines Sec 32, Twp 13N., Range 78W., 6th Prin. Meridian, Albany Co., Wyo.

3 Claims
1 Patented
3 Unpatented

Date of filing MF-100 None

DMA Docket Number, if available None

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?
*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.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
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)?

*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 real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    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.

*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.

*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.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*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.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*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				
(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.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

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

THE EXPLORATION

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

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

    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.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*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.
    (*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.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

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.

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 Russell A. Frank (Signature of authorized official)
May 30, 1951 (Date)	owner (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

The Applicant

1. Partnership
2. Russell A. Funk, Fort Wayne Hotel, Detroit 1, Mich.
3. William R. Jumer, 9141 Grayton, Detroit 24, Mich.
3. None
4. Russell A. Funk, Mechanical Engineer
   William R. Jumer, Technical & Industrial Instructor
   A mining engineer will be employed for active mining operation.
5. Owner, R. A. FUNK
6. None
7. None
8. None
9. 10%

The Property

10 a, b } Same - See attached sheet 10a & b.

11. Present names - Ione, Muscovite - placer claims
    Redspar, Opal - lode claims
12. See attached map #12
13. 5 hollow wells to be drilled. Springs indicate high water level. 5000 watt gasoline powered generator.
14. 3 log cabins: 2 for living quarters, 1 for machine & mill house
15. Ore shipped by truck to Fox Park, Wyo. railroad spur & then by rail to nearest mill.

16 a. Muscovite was in commercial production by a lessor. 3 to 4 carloads of mica produced. Operation suspended because of low market price. Undetermined amounts of beryl & quartz crystals mined. Refer to question #19.

16b. Don't know

16c. Refer to question # 19

17. Not in production

18. a. Tantalum - Columbium, beryl, & mica pockets of various sizes in pegmatite formation in feldspar. deposits at irregular intervals indicated by hand sampling, assessment work & mica mining.

b. Not available, but can be secured. At present at Albuquerque, New Mexico.

c. Unknown

19. John L. Funk, my brother, staked the above described claims, performed the assessment work, and exploration until his death in 1946, whereupon I, Russell A. Funk, inherited the claims free and clear.

The Exploration

20. Columbium - tantalum, Beryl, Mica. small specimens of carnotite.

21. Diamond drilling to determine extent of deposits. approximately 6 months actual working time

22. Refer to 18b.

The Requirements And Costs

cont. on p. 3.

23.

(a) One laborer @ $250. per mo. --- $1500.
(b) One mining engineer @ $500. per mo $3000.
(c) none
(d) Repairs to Tool Shed - - - - - - - 200
(e) Rubber Hose - - - - - - - - - - - 200.
(f) Propose to employ a Contractor with diamond drilling equipment @ app. $5. per foot
Approx. 8300. ft. - - - 41,600.

(g) none
(h) none
(i) Drilling for water & necessary pumping equipment - 1500.
Portable electric power generator motor & necessary accessories 2000.
Total $ 50,000.

24 Expect the project to be completed within six month period after all equipment is on property.
If possible to secure diamond drilling contractor who is mining engineer, we can eliminate the item (b) under #23 and this money can be used for more diamond drilling.

Reitzel.

10a~~b~~/ONE PLACER CLAIM (UNPATENTED)

E½ NE¼ SW¼ - SEC. 32 - TYP. 13N - RANGE 78 W.
6TH PRIN. MERIDIAN - ALBANY COUNTY WYOMING

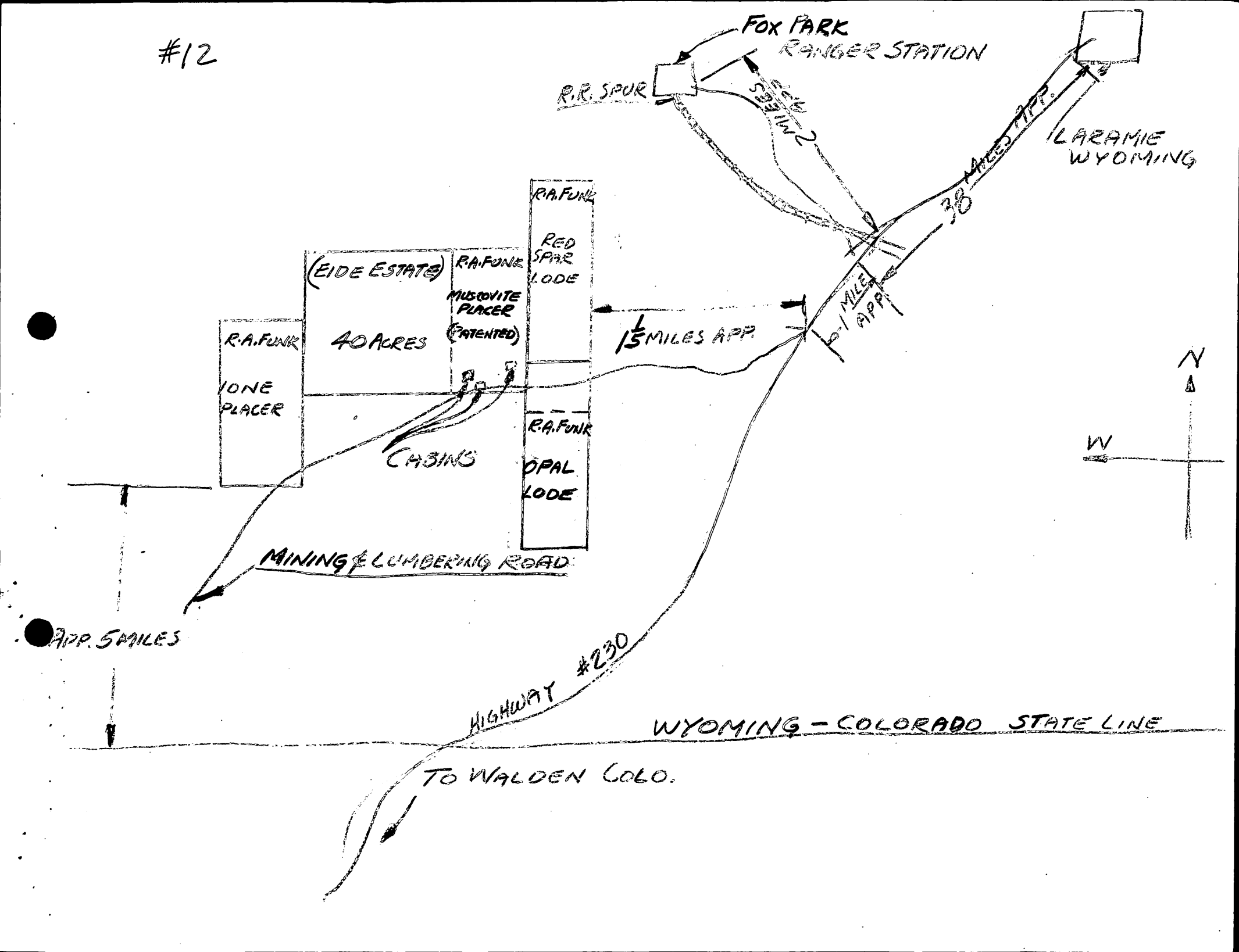
MUSCOVITE PLACER CLAIM - (PATENTED)

LEGAL DESCRIPTION UNAVAILABLE AT PRESENT
PROXIMITY TO IONE CLAIM IS SHOWN ON
MAP ATTACHED

OPAL & RED SPAR (LODE CLAIMS) UNPATENTED

SECTION 32 - TYP. 13N, RANGE 78 W.
6TH PRIN. MERIDIAN - ALBANY COUNTY - WYOMING
PROXIMITY TO IONE CLAIM IS SHOWN
ON MAP ATTACHED

#12


FOX PARK
RANGER STATION
R.R. SPUR
2 MILES
38 MILES APP.
LARAMIE
WYOMING
R.A. FUNK
RED SPAR LODE
(EIDE ESTATE)
R.A. FUNK
MUSCOVITE PLACER
(PATENTED)
40 ACRES
R.A. FUNK
IONE PLACER
1 1/5 MILES APP.
1 MILE APP.
CABINS
R.A. FUNK
OPAL LODE
N
W
MINING & LUMBERING ROAD
APP. 5 MILES
HIGHWAY #230
WYOMING - COLORADO STATE LINE
TO WALDEN COLO.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
Postmarked 5/31/51
JUN 5 - 1951
LANDON F. STROBEL
Executive Secretary

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. Dma. 1611 X

Date received 6/5/51

Participation

Russell A. Funk
Fort Wayne Hotel
Detroit 1, Mich.

Name and address of applicant

Date 5/30/51

FILL IN THIS BLOCK

Date of application 5/30/51

Estimated cost $50,000

Mineral ~~or metal~~ Minerals

Percentage of Government participation 90%

Location of mines Sec. 32, Twp. 13 N, Range 78 W, 6th Prin. Meridian, Albany Co, Wyo.

3 Claims
1 Patented
3 Unpatented

Date of filing MF-100 None

DMA Docket Number, if available ~~None~~ DMA-1611 X

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?
*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.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
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.

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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)?

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16—64067-1

THE PROPERTY

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*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.

*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.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*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.
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*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				
(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.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

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

THE EXPLORATION

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

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

    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.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*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.
    (*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.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

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.

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 Russell A. Funk (Signature of authorized official)
May 30, 1951 (Date)	Owner (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

The Applicant

1. Partnership
2. Russell A. Funk, Fort Wayne Hotel, Detroit 1, Mich.
   William R. Jumer, 7141 Drayton, Detroit 24, Mich.
3. None
4. Russell A. Funk, Mechanical Engineer
   William R. Jumer, Technical & Industrial Instructor
   A mining engineer will be employed for active mining operation.
5. Owner, R.A. FUNK
6. None
7. None
8. None
9. 10%

The Property

10a. } Same - See attached sheet 10a + b
b. }

11. Present minerals - Iron, Muscovite, - placer claims
    Rhodonite, Opal - lode claims
12. See attached map #12
13. Shallow wells to be drilled. Springs indicate high water level. 5000 watt gasoline powered generator
14. 3 log cabins: 2 for living quarters, 1 for machine & mill house.
15. Ore shipped by truck to Fox Park, Wyo., railroad spur & then by rail to nearest mill.

16a. Muscovite mine was in commercial production by a lessor. 3 to 4 carloads of mica was produced. Operation suspended because of low market price. Undetermined amounts of beryl and quartz crystals mined. Refer to ques. # 19.

16b Don't know

16c Refer to ques. # 19.

17. Not in production

18a. Tantalum - columbium, beryl, & mica pockets of various sizes in pegamatite formation in feldspar. Deposits at irregular intervals indicated by hand sampling, assessment works, and mica mining.

b. Not available, but can be secured at present at Albuquerque, New Mexico.

c. Unknown

19. John L. Funk, my brother, staked the above described claims, performed the assessment work, and exploration until his death in 1948, whereupon I, Russell A. Funk, inherited the claims free and clear.

The Exploration

20. Columbian - Tantalum, Beryl, Mica small specimens of the minerals

21. Diamond drilling to determine extent of deposits approximately 6 months actual working time

22. Refer to 18b.

The Requirements And Costs

(Cont. on p.3)

23. (a) One laborer @ $2.50. per mo - - - - $ 1500.
(b) One mining engineer @ $300. per mo. 3000.
(c) none
(d) Repairs to Tool Shed - - - - - - 200.
(e) Rubber hose - - - - - - - - - 200.
(f) Propose to employ a Contractor with diamond drilling equipment @ app. $5. per foot - or approx. 8300 ft. - - - 41,600.
(g) none
(h) none
(i) Drilling for water & necessary pumping equipment - - - 1500.
Portable electric power generator, motor & necessary accessories - - 2000.
Total $50,000.

24. Expect the project to be Completed within six month period after all equipment is on property.

If possible to secure diamond drilling Contractor who is a mining engineer, we can eliminate the item (b) under #23 and this money can then be used for more diamond drilling.

R. Frank.

10a & b IONE PLACER CLAIM (UNPATENTED)

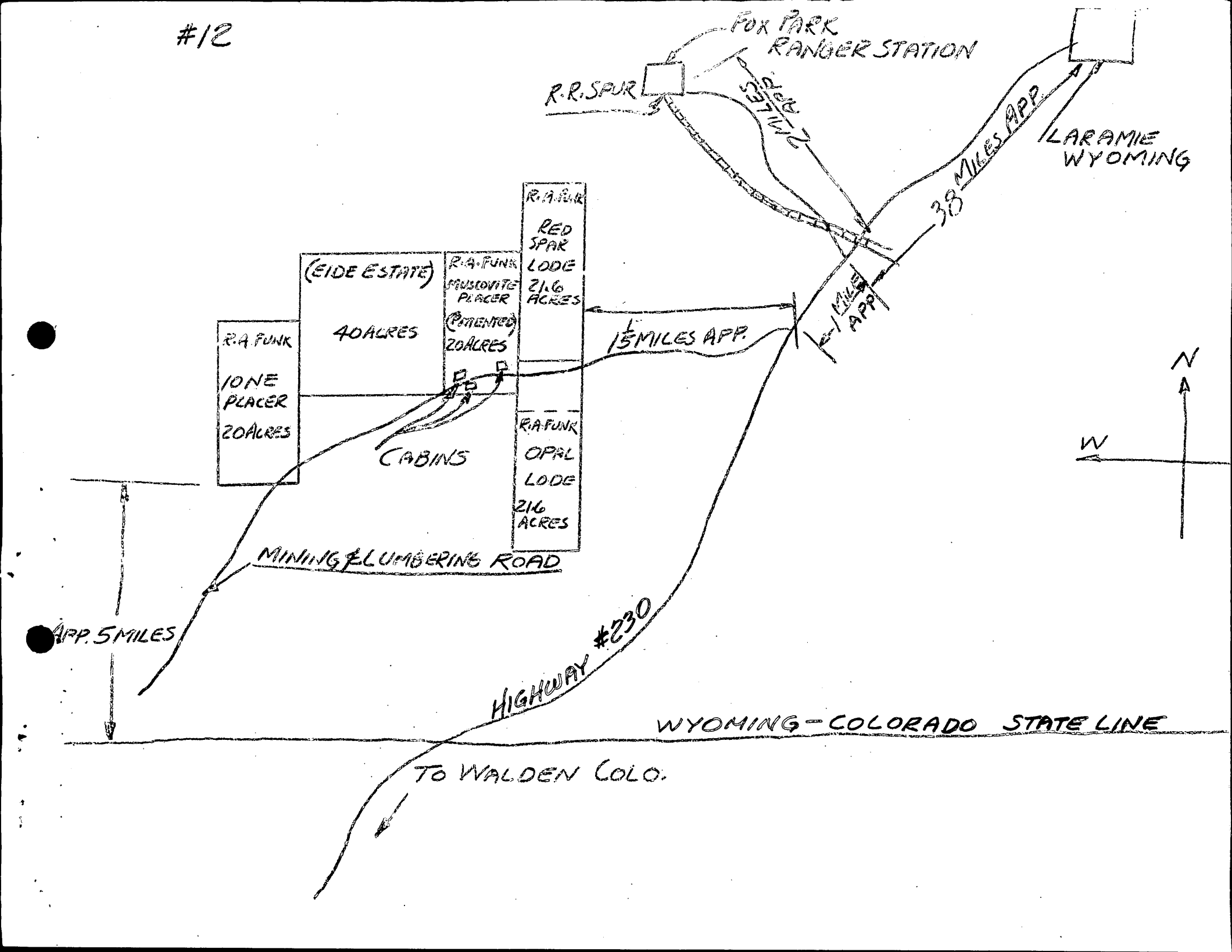
E½ NE¼ SW¼ - SEC. 32 - TYP. 13N - RANGE 78 W.
6TH PRIN. MERIDIAN - ALBANY COUNTY WYOMING

MUSCOVITE PLACER CLAIM - (PATENTED)
LEGAL DESCRIPTION UNAVAILABLE AT PRESENT
PROXIMITY TO IONE CLAIM IS SHOWN ON
MAP ATTACHED

OPAL & RED SPAR (LODE CLAIMS) UNPATENTED

SECTION 32 - TYP. 13N, RANGE 78 W.
6TH PRIN. MERIDIAN - ALBANY COUNTY - WYOMING
PROXIMITY TO IONE CLAIM IS SHOWN
ON MAP ATTACHED

#12


FOX PARK RANGER STATION
R.R. SPUR
2 MILES APP.
38 MILES APP.
LARAMIE WYOMING
R.A. FUNK
RED SPAR LODE 21.6 ACRES
(EIDE ESTATE)
40 ACRES
R.A. FUNK MUSCOVITE PLACER (PATENTED) 20 ACRES
R.A. FUNK 10 NE PLACER 20 ACRES
1 MILE APP.
1½ MILES APP.
CABINS
R.A. FUNK OPAL LODE 21.6 ACRES
N
W
MINING & LUMBERING ROAD
APP. 5 MILES
HIGHWAY #230
WYOMING - COLORADO STATE LINE
TO WALDEN COLO.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
Postmarked 5/31/51
JUN 5 - 1951
LANDON F. STROBEL
Executive Secretary