FILE COPY
SURNAME:

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

370

OCT 5 1951

Mr. George V. Bland
Hill City, South Dakota

Subject: DMA 1433-X
DMA 1460-X

Dear Mr. Bland:

Replying to your letter of September 17, 1951, requesting reopening of subject applications, we regret that we cannot grant your request for the following reasons:

DMA 1433-X Beecher Mine

1. Data presented in application indicates the deposit to contain substantial developed reserves. Need for and justification of additional exploration work have not been shown.

2. The work program proposed is mining or preparation for mining and would not qualify under MO-5.

As pointed out in our letter of June 14th an application for a production loan on this property would be considered should you so wish to apply.

DMA 1460-X Pleasant Valley Mine

1. As pointed out in our letter of June 26th extensive exploration and development have been accomplished on this deposit. Need for additional exploration has not been shown.

2. Work proposed is essentially mining or preparation for mining and would not qualify under MO-5.

Both the Beecher Mine and the Pleasant Valley Mine have been examined by the U. S. Geological Survey and the U. S. Bureau of Mines. We have reviewed their findings and do not find justification for additional field examination until and unless new evidence to justify such action is presented by applicants.

Sincerely yours,

ABP for 10/5 cc

Tom Lyon

Tom Lyon, Director
Supply Division

RWASKEY:esf
10/4/51
cc: DMA Field Team, Region V (2)
Administrator's Reading File
DMA Docket File
Mr. Lyon - Mr. Barr

FILE COPY
SURNAME:

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

OCT 5 1951

370

Barr
Williams

Mr. George V. Bland
Hill City, South Dakota

Subject: DMA 1433-X
DMA 1460-X

Dear Mr. Bland:

Replying to your letter of September 17, 1951, requesting reopening of subject applications, we regret that we cannot grant your request for the following reasons:

DMA 1433-X Beecher Mine

1. Data presented in application indicates the deposit to contain substantial developed reserves. Need for and justification of additional exploration work have not been shown.

2. The work program proposed is mining or preparation for mining and would not qualify under MO-5.

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DMA 1460-X Pleasant Valley Mine

1. As pointed out in our letter of June 26th extensive exploration and development have been accomplished on this deposit. Need for additional exploration has not been shown.

2. Work proposed is essentially mining or preparation for mining and would not qualify under MO-5.

Both the Beecher Mine and the Pleasant Valley Mine have been examined by the U. S. Geological Survey and the U. S. Bureau of Mines. We have reviewed their findings and do not find justification for additional field examination until and unless new evidence to justify such action is presented by applicants.

Sincerely yours,
ABP for
Tom Lyon
CC 10/5

Tom Lyon, Director
Supply Division

RWASKEY:esf
10/4/51
cc: DMA Field Team, Region V (2)
Administrator's Reading File
DMA Docket File
Mr. Lyon - Mr. Barr

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

SEP 19 9 22 AM '51

Hill City, So. Dak.
9/17/51.

Defense Minerals Administration
Washington. D. C.

Attention Mr. Tom Lyon, Director
Supply Division.

Dear Mr. Lyon;

Referring to yours of June 14th, subject DMA-1433X, it is our desire to have the subject matter reopened in view of the fact that other similar properties have been reviewed and ~~are~~ granted ~~developments~~ exploratory loans after having first been denied these loans. We are sure we will get the same consideration that have been accorded the owners of these other properties. This loan was applied for by my son Geo. C. Bland, lessee of the Beecher ~~mine~~ mine in which I am in partnership with him (in the lease). Personally, I applied for a loan on the Pleasant Valley Mine (cant give you docket number) and I wish to have this application reopened also. I do not feel that either of these applications can be intelligently handled without actual inspection and investigation on the ground, and we suggest that you ~~suggest~~ designate some~~e~~ one to carry out such an ~~an on~~ the ground investigation.

Yours truly,

Geo. V. Bland.

Geo. V. Bland.

OFFICIAL FILE COPY

To	Initials	Date
210		

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

September 26, 1951

Memorandum

To: Robert Waskey, Defense Minerals Administration

From: W. R. Griffitts, U. S. Geological Survey

Subject: Application DMA-1460X from George V. Bland for exploration of the Pleasant Valley deposit, Custer County, South Dakota.

The letter of September 17, 1951 from George V. Bland requested that this application for $4,635 be reconsidered. It was denied originally because the proposed work was development rather than exploration.

The information given by the applicant and that in the Geological Survey files supports the original conclusion that the applicant's program would be development.

An examination of the map of the deposit will show that the zoned pegmatite dike crosses a knoll, with a relief of 100 feet. An open cut with a maximum depth of 15 feet has been opened on the north side of the knoll.

The deposit is exposed for 200 feet across the knoll, with 40 feet of relief. The beryl-bearing zones along the walls will not total more than 10 feet thick. This indicates about 4,000 tons of potentially beryl-bearing rock, containing about 40 tons of beryl. Only 10 to 12 tons of this would be recoverable, however, as judged by the results of a 17 ton sample studied by the Bureau of Mines in 1943. The core in the same block of pegmatite, separating the two members of the wall zone, is about 15 feet thick, containing about 6,000 tons of rock, or about 3,000 tons of recoverable feldspar.

The position of the quarry as indicated on map suggests that only the core was mined, leaving the wall zone unmined. This indicates that the beryl-bearing rock could not profitably be mined.

I don't see that a 100 foot adit and 75 feet of drifts could be confined to the "area of mineral concentration" in any reasonable manner. I don't see either that the adit would be at all useful for exploration as it would expose material above the level of the lower pegmatite outcrops in the part of the deposit that is already well known, and would probably be of little value for development, as the amount of ore that could be stoped above the adit level would be small.

There seems to me to be little need for further exploration until a substantial part of the known reserves are mined. Only then will it be definitely known whether any Government support, other than a beryl purchase contract is justifiable. The work proposed by the applicant still seems to be development, and there seems to be little need for an examination, as a detailed map has been made (copy is submitted herewith.) Perhaps if the applicant could tell why the known reserves are inadequate the application would be worthy of further consideration.

W. R. Griffitts

W. R. Griffitts

June 27, 1951

Memorandum

To: Executive Secretary, DMA

From: Chief, Industrial Minerals Branch, DMA

Subject: Docket DMA-144[illegible], Dixie Mining Company
Commodity: ~~Mica~~ Amount: $33,150

It is recommended that subject application be denied on the ground that the program proposed is entirely mining or preparation for mining and does not come within the scope of exploration under MP-5.

We are forwarding the entire docket which includes:

MP-100 -- in triplicate

MP-103 -- in triplicate

MS

James A. Barr, Sr.

Approved:

Tom Lyon

Tom Lyon, Director
Supply Division

FM:dsk

cc: Mr. Strobel
Mr. Lyon
Mr. Barr
DMA Files
Field Team

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

June 26, 1951

A. E. C.

Memorandum

To: Executive Secretary, DMA

From: Chief, Industrial Minerals Branch, DMA

Subject: DMA-1460X; Beryl, Tantalite, etc., Mr. George W. Bland, Hill City, So. Dak.

Denial recommended because:

Proposed work is entirely mining or preparation for mining and does not come within scope of exploration under MO-5.

James A. Barr
James A. Barr, Sr.

Approved:

Tom Lyon
Tom Lyon, Director
Supply Division

Attachments:

MF-103 and appendixes
in triplicate;
1 review of Application

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

Surname
Barr

June 26, 1951

Memorandum

To: Executive Secretary, DMA L.F. Strobel

From: Chief, Industrial Minerals Branch, DMA

Subject: DMA-1460X; Beryl, Tantalite, etc.,
Mr. George V. Bland, Hill City, So. Dak.

Denial recommended because:

Proposed work is entirely mining or preparation for mining and does not come within scope of exploration under MO-5.

James A. Barr, Sr.

Approved:

Tom Lyon

Tom Lyon, Director
Supply Division

RW:mas

cc: Mr. Strobel
Mr. Lyon
Mr. Barr
DMA Files

Attachments:

MF-103 and appendixes in triplicate;
1 review of Application

DMA 1460

456

FILE COPY
SURNAME:

Barr

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

RW:mas

cc: Mr. Strobel
Mr. Lyon
Mr. Barr
Mr. Geor[illegible] Bland
DMA Files
Hill City
South Dakota

June 26, 1951

Subject: DMA-1460X

Dear Mr. Bland:

Your application for aid for an exploration project on beryl and tantalite deposit located in Pleasant Valley Mine and docketed DMA-1460X, 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.

A very careful study of your proposal revealed the following:

a. Extensive exploration and development has already been accomplished on this property. Need for, and justification of, additional exploration work has not been shown.

b. Proposed work program appears to be entirely mining or preparation for mining and does not come within the scope of exploration under MO-5.

Under these circumstances, your application for Exploration Aid to the extent of 90% of $1635 is denied. Should additional information become available, we would be glad to have you resubmit your proposal for consideration.

You perhaps know that Government Loans are Available, under certain circumstances, for development and mining projects. If adequate reserves of strategic mineral can be substantiated your product might meet consideration for that type of aid; appropriate forms are attached should you so wish to apply.

Sincerely yours,

Tom Lyon

Tom Lyon, Director
Supply Division

[illegible]ures

FILE COPY
SURNAME:

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

June 11, 1951

Mr. George V. Bland
Hill City, South Dakota

Subject: DMA-1460X
Re: Exploration Loan -
Pleasant Valley Mine

Dear Mr. Bland:

Receipt is acknowledged of your application and attachments of May 29, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1460X and referred to Mr. James A. Barr, Chief, Industrial Minerals Branch on June 5, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1460X.

Sincerely yours,

LANDON F. STROBEL
HB

Landon F. Strobel
Executive Secretary

LFSTROBEL:hb

Copy to: Mr. Strobel
Mr. Barr
Mr. Lyon
Files ✓

Loan 1480

856

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-1460X

Date received 6/4/51

Participation

Geo. V. Bland.
Hill City, So. Dak.

Name and address of applicant

Date 5/29/51.

FILL IN THIS BLOCK

Date of application 5/29/51.

Estimated cost $4635.00

Mineral or metal BERYL and TANTALITE.

Percentage of Government participation 90%.

Location of mine 5 miles west of Custer, So. Dak.
Custer County.

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. Graduate Mo. School Of Mines. (1904). Experience in Alaska, Colo. Mo. New Mexico, So. Dak.

*5. Are you the owner or the lessee of the property? 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. Not operating.

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)? Yes.

*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 [illegible] on which the exploration is to be conducted. See accompanying statement.

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. See auxiliary statement.

*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. See auxiliary statement.

*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. Auxiliary

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. None, except crude ore bin.

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

*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: Not in production.

	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. See auxiliary statement.

(*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. See Aux. St.

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. Auxiliary statement.

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. Auxiliary statement.

(*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. See auxiliary statement.

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 Geo. C. Bland (Signature of authorized official)
5/29/51 (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

10 (b). Legal description. Pleasant Valley Feldspar Lode as recorded and described in at Custer County courthouse.

11. Pleasant Valley Mine.

12. Location is five miles west of Custer, So. Dak. Is one mile from junction of Black topped highway #16 and Pleasant Valley County Road, and one half mile from the latter. Nearest shipping point is Custer and roads from mine to Custer are open and usable the year around.

13. No water needed except for cooling of mining equipment. Only power needed - for drilling equipment at intermittent periods.

15. No milling required. All sales f. o. b. Custer. Has to be trucked to Custer.

16. (a) Some hundreds of tons of feldspar and perhaps ten tons of beryl have been sold from property. Operations were ten years are more in the past when beryl was bringing $25 to $30 per ton at Custer. Hardly enough to justify operations. Some tantalite was also produced. Mining was open cut.

18. (a). Ore is concentration of feldspar, beryl, tantalite, etc. in a pegmatite dike.

20. As indicated- Beryl, Tantalite and feldspar.

21. Adit 100 feet long with 75 feet of drifts, all within the area of mineral concentration. Should be completed within six months.

22. The expectation of finding of commercial ore is based on production of ore in upper workings and continuous to the ground to be explored. Should perhaps be stated as ore produced in the upper part of the segregated area of concentrated ores. Geology is that of typical pegmatite. Dike is over 100 feet wide with segregated area extending from wall to wall.with estimated width of about 100 feet- an area about 100 ft x 100 ft., depth unknown.

23. (a). Two miners who will also do the mucking. Wages 1.75 per hr.
(b). One part time supervisor. $100 per month.
(c). None. (d). Tool hous and cover for drilling equipmnet ~~xxxx~~ $300.00).
(e). ~~Jack Hammer~~ Drilling machine, post, etc., ... 500.00
Mine car and rails 150.00
160 cu. ft. air compressor 500.00
Air hose and water tank 75.-00
150 ft. of 1½ inch pipe and fittings 60.00
Bins 200.00
Miscellaneous tools 150.00
1635.00

23.h. - Powder, safe, fuse, drill bits, etc. 200.00

24. Work should be completed within five months after approval of project. Money expected to be spent;

Labor	$2500.00
Facilities	300.00
Machinery, etc.....	1635.00
23.h.- Supplies-- ----	200.00
	$4635.00

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-1460X

Date received 6/4/51

Participation

Geo. V. Bland.
Hill City, So. Dak.

Name and address of applicant

Date 5/29/51.

FILL IN THIS BLOCK

Date of application 5/29/51.

Estimated cost $4635.00

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Percentage of Government participation 90%.

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Date of filing MF-100

DMA Docket Number, if available

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*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. Graduate Mo. School Of Mines. (1904). Experience in Alaska, Colo. Mo. New Mexico, So. Dak.

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

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

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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. See auxiliary statement.

*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. Auxiliary

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

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(*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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(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.

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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. See auxiliary statement.

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(Name of company)	By Geo. J. Blank (Signature of authorized official)
5/29/61. (Date)	Owner. (Title)

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22. The expectation of finding of commercial ore is based on production of ore in upper workings and contiguous to the ground to be explored. Should perhaps be stated as ore produced in the upper part of the segregated area of concentrated ores. Geology is that of typical pegmatite. Dike is over 100 feet wide with segregated area extending from wall to wall.with estimated width of about 100 feet- an area about 100 ft x 100 ft., depth unknown.

23. (a). Two miners who will also do the mucking. Wages 1.75 per hr.
(b). One part time supervisor. $100 per month.
(c). None. (d). Tool house and cover for drilling equipmnet ~~$33x~~ $300.00).
(e). ~~xxxxxxxxxx~~ Drilling machine, post, etc., ... $500.00

Mine car and rails	150.00
160 cu. ft. air compressor	5000.00
Air hose and water tank	75.-00
150 ft. of 1½ inch pipe and fittings.....	360.00
Bins	200.00
Miscellaneous tools	150.00
	$1635.00

24. Work should be completed within five months after approval of project. Money expected to be spent;

Labor	$2500.00
Facilities	300.00
Machinery, etc.....	1635.00
Supplies	200.00
	$4635.00

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-1460 X

Date received 6/4/51

Participation

Geo. V. Bland.
Hill City, So. Dak.

Name and address of applicant

Date 5/29/51.

FILL IN THIS BLOCK

Date of application 5/29/51.

Estimated cost $4635.00

Mineral or metal BERYL and TANTALITE.

Percentage of Government participation 90%.

Location of mine 5 miles west of Custer, So. Dak.
Custer County.

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. Graduate Mo. School of Mines. (1904). Experience in Alaska, Colo. Mo. New Mexico, So. Dak.

*5. Are you the owner or the lessee of the property? 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. Not operating.

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)? Yes.

*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 exploration area on which the exploration is to be conducted. See accompanying statement.

    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. See auxiliary statement.

*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. See auxiliary statement.

*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. Auxiliary

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. None, except crude ore bin.

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

*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: Not in production.

	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. See auxiliary statement.

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. See Aux. St.

    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. Auxiliary statement.

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. Auxiliary statement.

    (*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. See auxiliary statement.

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 Geo. U. Bland (Signature of authorized official)
5/29/51. (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

10 (b). Legal description. Pleasant Valley Feldspar Lode as recorded and described in

at Custer County court-house.

11. Pleasant Valley Mine.

12. Location is five miles west of Custer, So. Dak. Is one mile from junction of Black topped highway #16 and Pleasant Valley County Road, and one half mile from the latter. Nearest shipping point is Custer and roads from mine to Custer are open and usable the year around.

13. No water needed except for cooling of mining equipment.
Only power needed - for drilling equipment at intermittent periods.

15. No milling required. All sales f. o. b. Custer. Has to be trucked to Custer.

16. (a) Some hundreds of tons of feldspar and perhaps ten tons of beryl have been sold from property. Operations were ten years are more in the past when beryl was bringing $25 to $30 per ton at Custer. Hardly enough to justify operations. Some tantalite was also produced. Mining was open cut.

18. (a). Ore is concentration of feldspar, beryl, tantalite, etc. in a pegmatite dike.

20. As indicated- Beryl, Tantalite and feldspar.

21. Adit 100 feet long with 75 feet of drifts, all within the area of mineral concentration. Should be completed within six months.

22. The expectation of finding of commercial ore is based on production of ore in upper workings and continuous to the ground to be explored. Should perhaps be stated as ore produced in the upper part of the segregated area of concentrated ores. Geology is that of typical pegmatite. Dike is over 100 feet wide with segregated area extending from wall to wall with estimated width of about 100 feet- an area about 100 ft x 100 ft., depth unknown.

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(e). ~~Jack Hammer~~ Drilling machine, post, etc., ... 500.00
Mine car and rails 150.00
160 cu. ft. air compressor 5000.00
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150 ft. of 1½ inch pipe and fittings 60.00
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Labor	$2500.00
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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-1460X

Date received 6/4/51

Participation

Name and address of applicant

Geo. V. Bland.
Bland.
Hill City, So. Dak.

Date 5/29/51.

FILL IN THIS BLOCK

Date of application 5/29/51.

Estimated cost $ 4635.00

Mineral or metal BERYL and TANTALITE.

Percentage of Government participation 90%.

Location of mine 5 miles west of Custer, So. Dak.
Custer County.

Date of filing MF-100

DMA Docket Number, if available

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THE APPLICANT

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

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*4. Describe the mining and mineral business experience of (a) the applicant, and (b) the person or persons who will manage the project. Graduate Mo. School of Mines. (1904). Experience in Alaska, Colo. Mo. New Mexico, So. Dak.

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

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8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. Not operating.

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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.

See accompanying statement.

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.

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See auxiliary statement.

*12. State, in detail, the location of the property with reference to towns, roads, railroads, shipping points, including distances and directions and kinds and conditions of roads.

See auxiliary statement.

*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.

Auxiliary

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

None, except crude ore bin.

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Auxiliary statement.

(*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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(Name of company)	By Geo. T. Bland (Signature of authorized official)
5/29/51. (Date)	Owner. (Title)

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

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Bins 200.00
Miscellaneous tools 150.00
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(h). Powder, Caps, fuse, drill bits, etc. 200.00

24. Work should be completed within five months after approval of project. Money expected to be spent;

Labor	$2500.00
Facilities	300.00
Machinery, etc	1635.00
Supplies	200.00
	$1635.00

Defense Mineral's Administration

Review of Application for Exploration Assistance

Docket No. 1460-X

Commodity Beryl, Tantalite

Total Amount $4635

Govt. Participation 90%

Deny

1. Name and Address of Applicant George V. Bland
Hill City, South Dakota

2. Location of Property 5 Miles west of Custer, S.D.

3. Mineral or metal Beryl, Tantalite 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 Application denied on basis that
b) Poor Sufficient exploration work has been
c) None completed. Not sure if this property is the same as the one on which the Geological Survey has file data. Would need field examination
d) Don't know --- needs field examination for development loan.
J.A. Redden

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

1460-K

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 yes
(question 14 plus general knowledge of availability)

c) Accessibility (question 12) yes

d) Water (question 13) yes

e) Power (question 13) yes

Is a field check needed on any of these points? NO

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

Is a field check needed on this point? NO

10. Exhibit A. (questions 21 and 22)

a) Is the project adequately described? Yes

If not, are there sufficient data given so that you can describe the project? 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, MD-5? NO, Work is essentially Development

If not, what part of it is? None

1460-T

Is this part a worthwhile exploration project? NO

d) Are the cost estimates detailed? Details incomplete

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? YES

f) Should more information be requested from applicant? NO

g) Is a field examination necessary to complete Exhibit A? NO

11. Exhibit B (question 23-d)

a) Is it applicable? YES

b) If so, are sufficient data furnished? yes If so, attach a draft.

c) Is a field check needed? NO

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

a) Is it applicable? ~~YES~~ NO

b) Sufficient data? ~~YES~~ YES If so, attach a draft.

c) Are rents and charges reasonable? Not applicable

d) Is a field check needed? NO

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

a) Are there sufficient data? YES

b) Is the schedule adequate for the work proposed? YES

c) Is the schedule excessive for the work proposed? NO

d) Are the proposed wages and salaries reasonable? YES

e) Is a field check needed? NO

1460-A

14. Exhibit E (question 23-c)

a) Is it applicable? NO

b) Sufficient data?

c) Reasonable?

d) Field check needed?

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 questions?

Reviewed by: JAR 6/11/51

Date 6/7/51

1460-71

Recommendation -

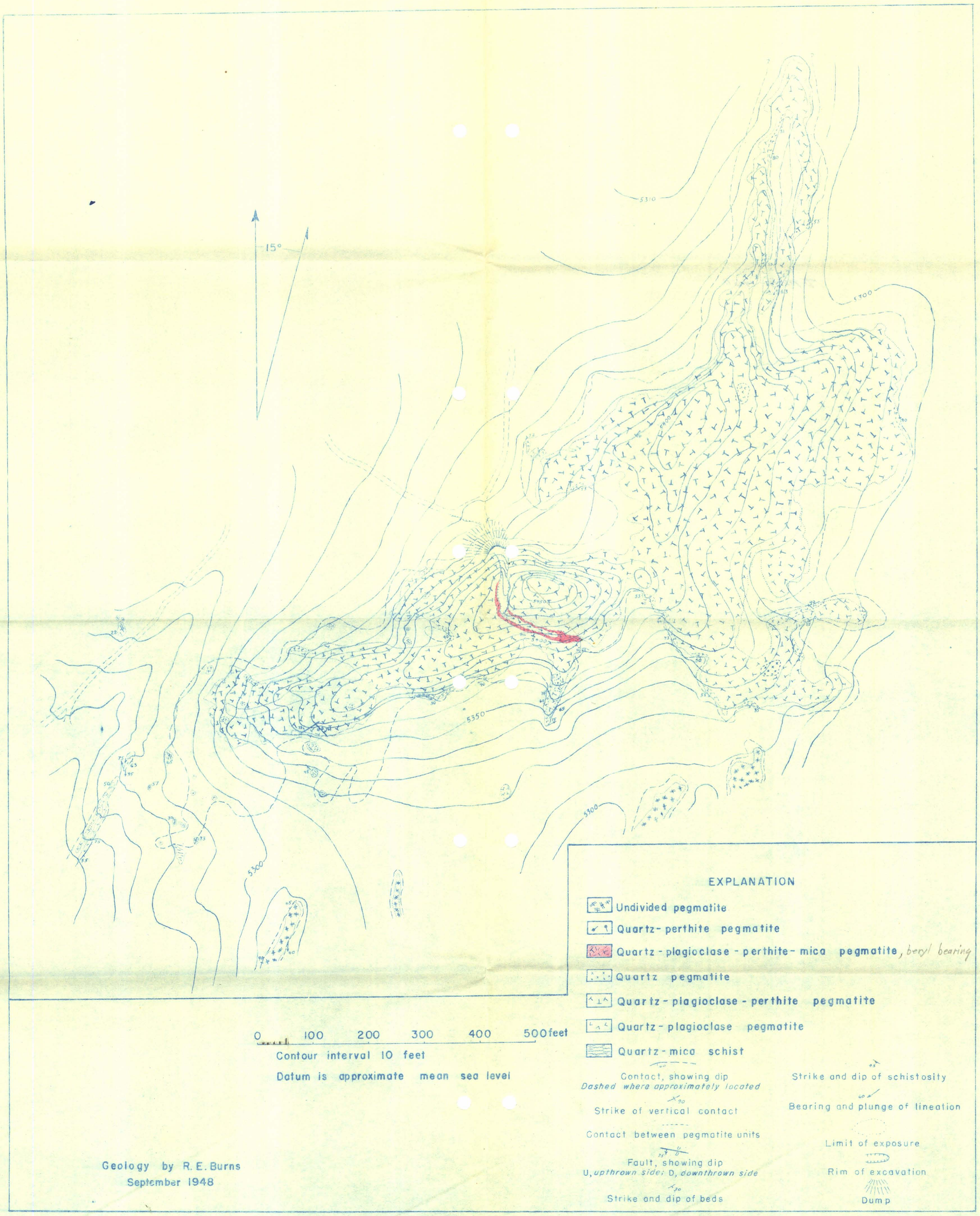
Deny on basis that proposed work does not conform to "Exploration" under Sec. 8 MO-5.

Applicant states that "some hundreds of tons of feldspar and perhaps 10 tons of beryl have been sold from the property". A substantiation of this data accompanied by an adequate map detailing production from the deposit should furnish ample data to evaluate the deposit. Applicant should be informed that he should consolidate this data, prepare estimates of production costs based on it to determine if a mining operation appears sound economically and if so apply for a Development and Production Team. Such an application might merit consideration.

JAG

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STRATEGIC MINERALS INVESTIGATIONS
PRELIMINARY MAP 3-229



GEOLOGIC MAP OF PEGMATITES AT PLEASANT VALLEY, CUSTER COUNTY, SOUTH DAKOTA