DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. DMA 1327X

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in Reports and Records Branch. Any movement of this document between divisions or offices of DMA or movement outside DMA must be reported to the Reports and Records Branch. Actions taken that affect status of the case must also be reported.

This document has been recorded as

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Routing Slip

To: Dir, Supply Div Date 27 Aug 51

To: Reports & Records Date 8/28/51

To: Date

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INT.-DUP. SEC., WASH., D.C. 98868

FILE COPY
SURNAME:

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

Holderer
Jacoby
Thayer
Graham

AUG 29 1951

Mr. Charles R. Hughes
1361 York St.
Denver, Colorado

In reply please refer to:
DMA-1327X

Dear Mr. Hughes:

We have received your sample and have made a spectrographic analysis of it. This analysis shows traces of tungsten, chrome, and cobalt. There is no columbium or tantalum. Although tungsten is not commercial in quantity it might be recovered as a by-product of a gold operation.

As outlined above you have failed to submit evidence which demonstrates any possibility of proving the presence of commercial tungsten ore. Therefore, we must regretfully deny your application as submitted.

Very truly yours,

B.F. 8/29

Tom Lyon

Tom Lyon
Director, Supply Division

CHJacoby:ll
August 24, 1951
CC:
Files
Reports and Records Unit
Adm. Reding File
Mr. Lemmon
Mr. Geehan
Mr. Holderer
Field Team Region IV

AUG 29 1951

Mr. Charles R. Hughes
1361 York St.
Denver, Colorado

In reply please refer to:
DMA-1327X

Dear Mr. Hughes:

We have received your sample and have made a spectrographic analysis of it. This analysis shows traces of tungsten, chrome, and cobalt. There is no columbium or tantalum. Although tungsten is not commercial in quantity it might be recovered as a by-product of a gold operation.

As outlined above you have failed to submit evidence which demonstrates any possibility of proving the presence of commercial tungsten ore. Therefore, we must regretfully deny your application as submitted.

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Tom Lyon

Tom Lyon
Director, Supply Division

CHDecolgsll
August 24, 1951
CC:
Files
Reports and Records Unit
Adm. Rdng File
Mr. Lemmon
Mr. Gechan
Mr. Holderer
Field Team Region IV

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

AUG 29 1951

a.E.C.

Memorandum

To: Reports and Records Unit

Through: Director, Supply Division

From: Chief, Tungsten Branch

Subject: Denial of DMA-1327K
Tungsten, chromite, magnetite, spinel, columbite, etc.
Tarryall Gulch
Park County, Colorado

Mr. Charles R. Hughes
1361 York St.
Denver, Colorado

Recommendations:

The applicant has failed to demonstrate that he has any commercial quantities of the minerals mentioned in his application. Primarily, the operation seems to be a placer gold project from which small amounts of tungsten might be obtained.

There is no evidence that a program of exploratory drilling would disclose commercial quantities of tungsten, chromite, or cobalt, the only elements which he listed that were even in trace amounts.

Conclusion: The application is denied.

George B. Holderer
Chief, Ferro-Allays Branch

Attachments:

Approved:

Director, Supply Division

FILE COPY
SURNAME:

Jacoby
Holderer
Thayer
Geehan

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

AUG 29 1951

Memorandum

To: Reports and Records Unit

Through: Director, Supply Division

From: Chief, Industrial Branch

Subject: Denial of DMA-1227A
Tungsten, chromite, magnetite, spinel, corundum, etc.
Farrwell Ranch
[illegible] County, Colorado

Mr. Charles E. Hughes
1361 Ford St.
Denver, Colorado

Recommendations:

The applicant has failed to demonstrate that he has any commercial quantities of the minerals mentioned in his application. Primarily, the operations are a table [illegible] old project from which small amounts of tungsten might be obtained.

There is no [illegible] program of exploratory drilling could disclose commercial quantities of tungsten, chromite, or spinel, the only [illegible] which he listed that were [illegible] in [illegible] and [illegible]. The applicant submitted no [illegible].

Conclusions: The application is denied.

George B. Holderer

B.J. 8/29

George B. Holderer
Chief, Industrial Branch

Attachment

Concurred:

Tom Lyon
Director, Supply Division

Concurred:
August 22, 1951

CC: Files
Mr. Reading File
Reports and Records Unit
Mr. Lemmon
Mr. Geehan
Mr. Holderer
Field Team, Region IV

AUG 29 1951

Memorandum

To: Reports and Records Unit

Through: Director, Supply Division

From: Chief, Tungsten Branch

Subject: Denial of DMA-1327X
Tungsten, chromite, magnetite, spinel, columbite, etc.
Tarryall Gulch
Park County, Colorado

Mr. Charles W. Hughes
1361 York St.
Denver, Colorado

Recommendations:

The applicant has failed to demonstrate that he has any commercial quantities of the minerals mentioned in his application. Primarily, the operation seems to be a placer gold project from which small amounts of tungsten might be obtained.

There is no evidence that a program of exploratory drilling would disclose commercial quantities of tungsten, chromite, or cobalt, the only elements which he listed that were even in trace amounts. The applicant submitted no assays or maps.

Conclusions: The application is denied.

George B. Holderer

George B. Holderer
Chief, Ferro-Alloys Branch

Attachment

Approved:

Tom Lyon

Director, Supply Division

CHJacoby:ll
August 22,1951
CC: Files
Adm. Reading File
Reports and Records Unit
Mr. Lemmon
Mr. Heehan
Mr. Holderer
Field Team, Region IV

Index of File to Reports and Records Section
DMA 1327X -Tungsten

1- Copy D.Lemmon's note to Chemistry & Petro. dated 7/18/51
1- Copy Spectrographic Analysis dated 7/28/51
1- Copy "" " " 7/25/51
1- Copy letter to Hughes from Strobel dated 6/15/51
3- Copy Form FM 103 with attached sheets.dated 5/29/51
1- Copy Note by T. P. Thayer dated 6/5/51
1- Copy Letter to Hughes from Holderer dated 6/22/51
1- Copy Letter to Holderer from Hughes dated 7/6/51

[illegible]

[illegible]

[illegible]

of any other material value.

No Columbus or Lewis & Clark

refer to our

letter June 22

DENVER, COLORADO
July 6, 1951

DEPT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
MR. GEORGE B. HOLDERER
WASHINGTON, 25, D. C.

DMA-1327X

DEAR MR. HOLDERER

IN REPLY TO YOURS OF THE 22ND LAST I AM FORWARDING TO YOU A SAMPLE OF THE PRODUCT OF OUR PLACER OPERATION FOR YOUR OWN ANALYSIS.

PLEASE ADVISE RESULTS OF YOUR INQUIRY AND IF THERE IS ANYTHING ELSE THAT WE MAY DO TO BE OF HELP.

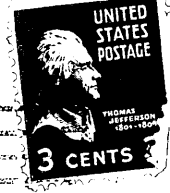
Sample at D. Lemmon 7/11/51

VERY TRULY YOURS
G. R. HUGHES

1361 YORK ST

1361 YORK ST
DENVER, COLO.

DENVER
JUL 6
3 5:30 PM
1951
COLO.



DEPT. OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
MR. GEORGE B. HOLDERER
WASHINGTON, 25, D.C.

DMA 1327X

A.E.C.

June 22, 1951

Mr. Charles R. Hughes
1361 York Street
Denver, Colorado

In reply please refer to:
Dev-1227

Dear Mr. Hughes:

It is necessary for you to submit sufficient demonstrable evidence, an assay map or good sketches, recovery tests of representative samples and other pertinent data, in order for us to determine if your property merits the time and expense of a field examination. In answering the various questions, special attention should be given to Nos. [illegible] and 23 in the application.

Our information on the geology of the area indicates there is no reason to expect appreciable values of the various minerals you mention. Therefore, it is necessary to reject your application unless you can furnish satisfactory evidence to substantiate your proposal.

Very truly yours,

George B. Holderer

George B. Holderer, Chief
Thorne-Langanese-Langston Branch

TJBallard:AWJ

cc:Adm. Reading File
File
Mr. Strobel
Mr. Holderer

June 22, 1951

Mr. Charles R. Hughes
1361 York Street
Denver, Colorado

In reply please refer to:
DW-[illegible]

Dear Mr. Hughes:

It is necessary for you to submit sufficient demonstrable evidence, as assay maps or good sketches, recovery terms of representative samples and other pertinent data, in order for us to determine if your property merits the time and expense of a field examination. In answering the various questions, special attention should be given to Nos. [illegible] and 23 in the application.

Our information on the geology of the area indicates there is no reason to expect appreciable values of the various minerals you mention. Therefore, it is necessary to reject your application unless you can furnish satisfactory evidence to substantiate your proposal.

Very truly yours,

George B. Holderer
George B. Holderer, Chief
Chrome-Manganese-Tungsten Branch

TJBallard:AWF

cc:Adm. Reading File
File
Mr. Strobel
Mr. Holderer

FILE COPY
SURNAME:

Holden
Ballard

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

June 22, 1951

Mr. Charles R. Hughes
1361 York Street
Denver, Colorado

In reply please refer to:
DMA-1327X

Dear Mr. Hughes:

It is necessary for you to submit sufficient demonstrable evidence, an assay maps or good sketches, recovery tests of representative samples and other pertinent data, in order for us to determine if your property merits the time and expense of a field examination. In answering the various questions, special attention should be given to Nos. 22 and 23 in the application.

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Very truly yours,

George B. Holderer

George B. Holderer, Chief
Chrome-Manganese-Tungsten Branch

TJBallard:AWJ

cc:Adm. Reading File
File
Mr. Strobel
Mr. Holderer

DMA 1327

FILE COPY
SURNAME:

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

June 15, 1951

Mr. Charles R. Hughes
1361 York Street
Denver, Colorado

Subject: DMA-1327X
Re: Exploration Loan

My dear Mr. Hughes:

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

The application was assigned Docket Number DMA-1327X and referred to Mr. P. R. Bradley, Chief, Chrome Branch on May 31, 1951.

In any future correspondence relating to your application kindly refer to DMA-1327X.

Sincerely yours,

LANDON F. STROBEL
Landon F. Strobel
Executive Secretary

L. F. Strobel:jc
cc: Strobel
File
Bradley
Lyon

Form MF-103
(April 1951)

U. 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 13297X

Date received 5-29-51

Participation

CHARLES R. HUGHES
1361 YORK ST.,
DENVER, COLO.

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application MAY 21, 1951

Estimated cost $27,000.00

Mineral or metal Chromite, tungsten, magnetite, spinels columbite

Percentage of Government participation 90%

Location of mine Tarryall Gulch, Park County, Colo.

Date of filing MF-100

DMA Docket Number, if available dma 13297X

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? partnership

*2. If a partnership, state names and addresses of partners. Fred W. Hughes, same as above

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

*4. Describe the mining and general business experience of (a) the applicant, and (b) the person or persons who will manage the project. see att

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

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. inapp

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

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. att

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)? att

*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. **see att**

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

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. **att**

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

*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. **att**

*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. **att**

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

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

*16. History: **att**

(*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: **inapp**

(*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.) **inapp**

(*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? **att**

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

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. **att**

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: **att**

(*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. **att**

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 U. R. Hughes (Signature of authorized official)

May 23rd 1951 (Date) manager (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.

Applicants have two years recent actual experience in placer mining and have been for some years interested in and devoted considerable time to the business of mining. Other general business experience has been in the construction field. The undertaking will be managed with partners sharing an equal responsibility therefor and without recourse to outside engineering assistance.

Applicants have under five year leasehold rights, of record in Park County, Colorado, property which was taken for development for its gold content. During 1949 a preliminary examination of the property was made and as a result a more extensive exploration was started and pursued from June to November of 1950.

Briefly the work accomplished last year involved the construction of a dam approximately 100 yards wide across the channel of the creek to divert the flow of surface water to one side in order to maintain a dry operation. The construction of a waterway approximately four feet deep and 400 yards long from the outlet of this dam to a point downstream beyond the operation.

The necessary excavation to explore the entire creek channel has been about one half completed and an analysis indicates that in addition to gold, deposition of which is not commercial thusfar, there may be other potentials of the placer in which the government might be interested such as tungsten, columbite, chromite, magnetite and spinel.

The property may be described as virgin channel of the Tarryall approximately 100 yards in width and having an elevation of 10300 feet located in Section 13, Township 8 South, Range 77 West and known as Gray Gold Glen Placer.

The location of the property is six miles west of Como Colorado and

is accessible during the summer months by automobile. The roads could be cleared of drifts during the winter and kept open without much trouble.

Tarryall Creek has an ample flow of water during all seasons to carry on the exploration work. There is a fair structure on the site which may be used for sleeping and eating accomodations for several people.

Previous mining operations have been confined to the recoveryoof the surface and shallow depth deposits of gold. The channel has not been explored to bedrock in this area.

Applicants propose to continue exploration of the channel and estimate that this can be fully accomplished before December 1961.

Company owned equipment used thus far includes one heavy duty Link Belt Speeder shovel, diesel powered and crawler mounted, three quarter yard capacity, equiped with 35 foot dragline and bucket.

One four inch centrifugal pump with several hundred feet of hose.

One Kohler light plant, gasoline motor.

June 15, 1951

Mr. Charles R. Hughes
1361 York Street
Denver, Colorado

Subject: DMA-1327X
Re: Exploration Loan

My dear Mr. Hughes:

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

The application was assigned Docket Number DMA-1327X and referred to Mr. P. R. Bradley, Chief, Chrome Branch on May 31, 1951.

In any future correspondence relating to your application kindly refer to DMA-1327X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

L. F. Strobel:jc
cc: Strobel
File
Bradley
Lyon

1327 X —

June 5, 1951

There are no known commercial occurrences of chromite in Colorado, and there are no perspective areas that might yield placer chromite in economic quantities. There is no evidence is presented that any of the minerals mentioned in the placers (actually are present) The likelihood of chromite, spinel, or magnetite being present in economic quantities is so slight that exploration for them is not justified.

T P Thayer

9-011

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
GEOCHEMISTRY AND PETROLOGY

DMA 1327-f

Report No. IMS-211 (See IMS-253) For Dwight Lemmon (Memo of 7/18/51)

Qualitative spectrographic analysis of a non-magnetic, heavy-mineral fraction of a gravel sample from Park County, Colorado. Collected by Mr. C. R. Hughes of Denver.

Sample no. 51-1511MS Plate W-297 (2)

Major elements, > 1%: Ca, Fe, Al, Si.

Minor elements, 0.X%: Ti, Mn, Mg, Zr, W, Pb.

.0X%: Mu, Cr, V, Cu, Y, La, Ba, Sr.

.00X%: Ni, Co, Sn, Mo, Ga, Ag.

Not found: Nb, Be, B, P, Bi, Zn, Cd, In, Tl, As, Sb, Ge, Pt, U, Th.

Note: The heavy-mineral sample spectrographed represented 10% of the original gravel. On the basis of the original gravel, the above minor elements would be one order of magnitude less in concentration.

Only the WO_3 and Cu have possible value. No chemistry in Branch 8/11/51

By K. J. Murata
K. J. Murata

Reported-Date July 25, 1951.

Michael Fleischer
Branch of Geochemistry and Petrology.

U. S. GOVERNMENT PRINTING OFFICE 16—56852-2

9-011

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
GEOCHEMISTRY AND PETROLOGY

Report No. IWM. No 253 For Dwight Lemmon (Sample from: C. R. Hughes
1361 York Street
Denver, Colorado)

HEAVY MINERAL SEPARATION FOR SPECTROGRAPHIC ANALYSIS

		Wgt. (grams)	Wgt. %
1.	Original sample	1264. 8	———
2.	Quartered sample	141.	11.1 of (1)
3.	Removed by hand magnet from quartered sample	88.5	62.8 of (2)
4.	Remaining non-magnetic fraction	52.5	37.2 of (2)
	Non-magnetic fraction (4) separated with methylene iodide into:		
5.	Heavy minerals	13.37	27.1 of (4)
6.	Light minerals	36.05	72.9 of (4)

Wgt. % of non-magnetic heavy minerals in quartered sample 10%

Free gold was noted in the sample. (13 mg. in quartered sample)

By Richard C. Erd
Richard C. Erd

Reported-Date July 28, 1951
Michael Fleischer
Branch of Geochemistry and Petrology.

mb

U. S. GOVERNMENT PRINTING OFFICE 16—56852-2

Sample taken to Chemistry and Petrology

This sample, from C. R. Hughes came from Park Co., Colo., and is reported to contain

Tungsten
Spinel
Columbite
Chromite
etc.

Will you kindly check on this and tell us what it contains.

Dwight Lemmon per mc

July 18'51

Form MF-103
(April 1951)

U. DEPARTMENT OF THE INTERI

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 1327 X

Date received 5-29-51

Participation

CHARLES R. HUGHES
1361 YORK ST.,
DENVER, COLO.

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application MAY 21, 1951

Estimated cost $27,000.00

Mineral or metal Chromite, tungsten, magnetite, spinels columbite

Percentage of Government participation 90%

Location of mine Tarryall Gulch, Park County, Colo.

Date of filing MF-100

DMA Docket Number, if available dma 1327 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? partnership

*2. If a partnership, state names and addresses of partners. Fred W. Hughes, same as above

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

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. see att

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

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. inapp

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

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. att

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)? att

*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. see att

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

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. att

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

*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. att

*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. att

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

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

*16. History: att

(*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: inapp

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

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
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(2) Milling				
(3) Shipped or sold				

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

(*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.

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

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

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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: att

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

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

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(*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. att

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 L. R. Hughes
(Signature of authorized official)

May 23rd 1951
(Date)

manager
(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

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Briefly the work accomplished last year involved the construction of a dam approximately 100 yards wide across the channel of the creek to divert the flow of surface water to one side in order to maintain a dry operation. The construction of a waterway approximately four feet deep and 400 yards long from the outlet of this dam to a point downstream beyond the operation.

The necessary excavation to explore the entire creek channel has been about one half completed and an analysis indicates that in addition to gold, deposition of which is not commercial thusfar, there may be other potentials of the placer in which the government might be interested such as tungsten, columbite, chromite, magnetite and spinel.

The property may be described as virgin channel of the Tarryall approximately 100 yards in width and having an elevation of 10300 feet located in Section 13, Township 8 South, Range 77 West and known as Gray Gold Glen Placer.

The location of the property is six miles west of Como Colorado and

is accessible during the summer months by automobile. The roads could be cleared of drifts during the winter and kept open without much trouble.

Tarryall Creek has an ample flow of water during all seasons to carry on the exploration work. There is a fair structure on the site which may be used for sleeping and eating accomodations for several people.

Previous mining operations have been confined to the recovery of the surface and shallow depth deposits of gold. The channel has not been explored to bedrock in this area.

Applicants propose to continue exploration of the channel and estimate that this can be fully accomplished before December 1951.

Company owned equipment used thus far includes one heavy duty Link Belt Speeder shovel, diesel powered and crawler mounted, three quarter yard capacity, equiped with 35 foot dragline and bucket.

One four inch centrifugal pump with several hundred feet of hose.

One Kohler light plant, gasoline motor.

Form MF-103
(April 1951)

U. 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 1327X

Date received 5-29-51

Participation

CHARLES R. HUGHES
1361 YORK ST.,
DENVER, COLO.

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application MAY 21, 1951

Estimated cost $27,000.00

Mineral or metal Chromite, tungsten, magnetite, spinels columbite

Percentage of Government participation 90%

Location of mine Tarryall Gulch, Park County, Colo.

Date of filing MF-100

DMA Docket Number, if available dma 1327X

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? partnership

*2. If a partnership, state names and addresses of partners. Fred W. Hughes, same as above

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

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. see att

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

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. inapp

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

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. att

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)? att

*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. **see att**

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

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. **att**

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

*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. **att**

*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. **att**

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

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

*16. History: **att**

(*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.

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(Name of company)

By G. K. Hughes
(Signature of authorized official)

May 23rd 1951
(Date)

manager
(Title)

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Date of filing MF-100

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