DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. DMA 1052X

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Routing Slip

To:	Copper Branch	Date	5/18/51
To:	Mr. Lyon	Date	10/10/51
To:	Reports and Records	Date	OCT 1 6 1951
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FILE COPY
SURNAME:

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

Wing
Gouker
Nelson
Johnson Hur

OCT 1 0 1951
a. e. c.

MEMORANDUM

To: Administrative Management Division

From: Director, Supply Division

Subject: Application for exploration aid of Mr. L. H. Startzell, P. O. Drawer 524, Rawlins, Wyoming, DMA-1052X, Commodity-Copper

Denial of this application is recommended by Field Team Region IV for the following reasons:

1. Insufficient mineralization along a weak north-south fissure to indicate anything more than a pocket occurrence of copper ores.

2. Lack of igneous intrusions in the immediate areas, which are later than the limestone, is unfavorable.

3. There are no gossan cappings or gossan float, hence no reason to anticipate secondary copper enrichment.

4. There are no minable ore reserves.

5. The applicant is under the impression the DMA program is a means of obtaining a "grubstake."

6. The applicant is not able to match the Government's part of the project.

A letter has been prepared to the applicant notifying him of this denial.

Transmitted herewith for your disposal is the entire file consisting of the following:

5 MF-103
10 MF-103
1 Field Team Report on De Forest Copper Mine
1 Signed contract
2 Signed Subordination Agreements
2 DMA Review of Application for Exploration Assistance
2 Assay sheets, June 6, 1951 and June 14, 1951
1 Form letter from Tom Lyon to J. H. East, July 3, 1951
7 Letters to Mr. L. H. Startzell from
  L. F. Strobel, April 26, 1951
  J. B. Gowen, April 20, 1951 (2 copies)
  J. B. Gowen, May 17, 1951 (2 copies) with 2 letters attached of Startzell to DMA May 3, 1951 and May 5, 1951
  L. F. Strobel, May 24, 1951
  Tom Lyon, July 3, 1951
  Tom Lyon, June 28, 1951 (2 copies)
  J. B. Gowen, July 9, 1951 with 2 letters attached from Startzell to DMA June 7 and 20, 1951

1 Letter from McHenry Mosier to Tom Lyon
June 25, 1951 (3 copies)
2 Letters L. H. Startzell to DMA
May 12, 1951
May 20, 1951
1 Memo to A. H. Koschman from J. H. East, July 16, 1951
1 Letter of Boyd to Hon. L. C. Hunt, March 5, 1951 with
letter attached Hunt to Boyd, Feb. 26, 1951
1 Letter Tom Lyon to McHenry Mosier, June 14, 1951

N.S
R+R

Tom Lyon, Director
Supply Division

RVWaugh:pk
10/10/51

Copy to: Administrator's Reading File
Executive Officer, Region IV
J. B. Gowen
C. H. Johnson
D. MacLaren
Files-DMA Docket

FILE COPY
SURNAME:

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

Waugh
Gowen
Nelson
Johnson

A. E. G.

Mr. L. H. Startzell
P. O. Drawer 524
Rawlins, Wyoming

Re: DMA Docket 1052X

Dear Mr. Startzell:

Your application for exploration aid has been reviewed by the Defense Minerals Administration and we are sorry to inform you that it must be denied.

On the basis of the material submitted with your application and the material available to the Government it is felt that the geological possibilities are not such as to warrant Government participation in an exploration project at this time.

Very truly yours,

Tom Lyon

10/10

Tom Lyon, Director
Supply Division

RVWaugh:pk
10/10/51

Copy to: Administrator's Reading File
Executive Officer, Region IV
J. B. Gowen
C. H. Johnson
D. MacLaren
Files-DMA Docket

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

224 New Customhouse
Denver 2, Colorado

Air Mail

September 13, 1951

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: Final Report, DMA Docket 1052-X, L. H. Startzell, applicant, De Forrest Copper Mine, Carbon County, Utah

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 $25,000 be denied.

The Brochure is enclosed.

Paul T. Allsman, Alternate

A. H. Koschmann

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 17 1951

Mining Division
Region IV

September 13, 1951

Memorandum

To: DMA Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: DMA Docket 1053-X, L. H. Startzell, applicant, De Forest Copper Mine, Carbon County, Utah

The application with the subject docket was for an exploration loan of $25,000.

A definite plan of the proposed work was not submitted with the application, and discussion with him by the examining engineer did not bring out a reasonable plan.

Weak mineralization, consisting mainly of malachite occurs along a north-south fissure wholly within Mississippian limestone.

There are no reserves, and as the geological probability of finding commercial ore is unfavorable, the examining engineer recommends that the loan be denied.

We concur with this recommendation.

Paul T. Allsman

Paul T. Allsman

September 11, 1951

Memorandum

To: Paul T. Allsman, Chief, Mining Division, Region IV

From: Chief, Utah-Wyoming Branch, Mining Division

Subject: DMA 1052-X, L. H. Startzell, De Forest Mine, Carbon County, Wyoming

Enclosed are 8 copies of the subject report with a section on Summary, Conclusions and Recommendations. The Survey did not participate in the examination of the property, thus the report includes both the engineering and geologic data.

The original brochure is also attached.

Stephen R. Wilson

Enc. 2

DE FOREST MINE
CARBON COUNTY, WYO.

Engineering and Geologic Report

By M. H. Howes and R. L. Middleton
Mining engineers
U. S. Bureau of Mines

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

By M. H. Howes and R. L. Middleton

The De Forest property was examined by Bureau of Mines engineers during August 1951 to evaluate a DMA loan proposal.

Copper mineralization was observed in a north-south fissure zone in Mississippian limestone. Underground workings are inaccessible and the exact horizon from which scattered dump ores were mined is not known. No ore reserves are present.

It is concluded that copper occurrence on the De Forest property is not sufficiently promising to warrant expenditure of funds for exploration. It is recommended that the application be denied.

DE FOREST MINE
CARBON COUNTY, WYO.

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ILLUSTRATIONS

Fig. 1 Location map, De Forest mine, Carbon County, Wyo.

INTRODUCTION

A preliminary examination of the De Forest mining property was made by M. H. Howes and R. L. Middleton, engineers for the Bureau of Mines, on August 3, 1951. The field examination was made regarding DMA Docket 1052-X. The engineers were accompanied to the property by L. H. Startzell, mine owner, and L. F. Bechans. Mr. Startzell resides at 114 E. Buffalo Street, Rawlins, Wyo.

LOCATION AND PHYSICAL FEATURES

The De Forest mine is on the south slopes of the Freezeout Mountains in the north-central part of Carbon County, Wyo. The specific location is sec. 24, T. 25 N., R. 82 W., N.M.P.M., 28 miles north of Hanna, Wyo. (fig. 1).

The mine area is one of moderate relief with altitudes ranging from 7,500 to 8,500 feet. Erosion has exposed pre-Cambrian granite in a rather flat plateau manner, while the bordering younger-bedded sedimentary deposits stand out in typical rim rock topography.

HISTORY AND PRODUCTION

The De Forest group of nine lode mining claims was first located in 1901 by L. H. Startzell and five partners. During the next 3 years, various phases of mining were done. It is reported that an inclined shaft was sunk 300 feet and an adit driven 500 feet. Both of these workings are badly caved and are not accessible. During the period 1901 to 1903, Mr. Startzell states that approximately 100 tons of

copper ore was shipped to the Argo smelter at Denver, Colo. All of this production came from the inclined shaft. From 1904 to 1951, the property was abandoned, and up to the time of the examination, no work had been done during 1951.

OWNERSHIP AND EXTENT

The De Forest group consists of nine unpatented lode mining claims and was relocated by L. H. Startzell in the spring of 1951.

DESCRIPTION OF DEPOSITS

The major structural feature of the area is the Pathfinder uplift which strikes N. 55° W. and forms the axis of the Freezeout Mountains.[1/] The De Forest mine is on the south slopes of the Freezeout Mountains, and in the area of the mine erosion has exposed pre-Cambrian granite and two of the younger adjacent sedimentary formations.

The granite is unmetamorphosed at its contact with the Cambrian quartzite and this indicates a significant erosional period before deposition of the original sandstone. The sandstone was later metamorphosed to quartzite. The Cambrian quartzite and earlier granite do not show copper mineralization. Madison limestone of Mississippian age unconformably overlies the quartzite. It is in this limestone the copper mineralization occurs.

1/ Lovering, T. S. "The Rawlins, Shirley, and Seminoe Iron-Ore Deposits, Carbon County, Wyo." U. S. Geol. Survey Bulletin 811-D.

The De Forest copper deposit occurs along a north-south fissure whose outcrop is wholly within Mississippian limestone. Determination of the type of mineralization is difficult because no mineralization is discernible in place. Approximately one ton of malachite-bearing ore is scattered at the collar of an inclined shaft. This ore has been exposed to weathering since 1904 and undoubtedly has been altered. A sample of the high-grade portion of this ore assayed 23.4 percent copper.

A 35° inclined shaft reportedly was sunk 300 feet across the bedding of Mississippian limestone. Pockets of copper ore were mined here and there along the incline. Mr. Startzell, who assisted in mining the 100 tons of ore, does not remember if the ore was found at a definite horizon. Slickensides on limestone in the shaft dump indicate that the shaft probably followed a fault fissure. The shaft is badly caved and wall rocks were observed only to a depth of 8 to 10 feet below the ground level. Limestone walls are shattered, and etched lines and pitting indicate the limestone is partially soluble.

An adit reportedly was driven 500 feet in a westerly direction from a point east of the shaft and at an elevation of about 250 feet below the shaft collar. The adit was located to intersect the downward projection of the shaft. The shaft was not intersected and no cross-cuts were driven to locate it. The adit is caved and examination of dump material confirms Mr. Startzell's statement that the limestone-

quartzite contact was reached. No copper mineralization was found in driving the adit.

A north-south zone of shattering observed at the collar of the shaft appears to align with trenches excavated 1,000 feet to the south. Near these trenches a small amount of malachite was seen scattered through the excavated material. No malachite float or shattering of the limestone was seen between the shaft and trenches.

MINABLE ORE RESERVES

There are no minable ore reserves on the De Forest group of claims.

PRESENT STATUS

There are no mine workings which would contribute to an exploratory program.

Mr. Startzell has sufficient small tools, two 1-ton ore cars, hand forge, rail, and pipe for a small operation. This equipment is not on the property, but is stored at Rawlins. There are no buildings or other facilities on the property.

PROJECT PROPOSALS

Mr. Startzell has no definite plan for exploration. A review of the brochure indicates he had no plan at the time of application for a Government loan, and a talk with him after the field examination did not bring out a reasonable plan. He proposes to surface drill

and blast along the fissure outcrop and expose any copper mineralization.

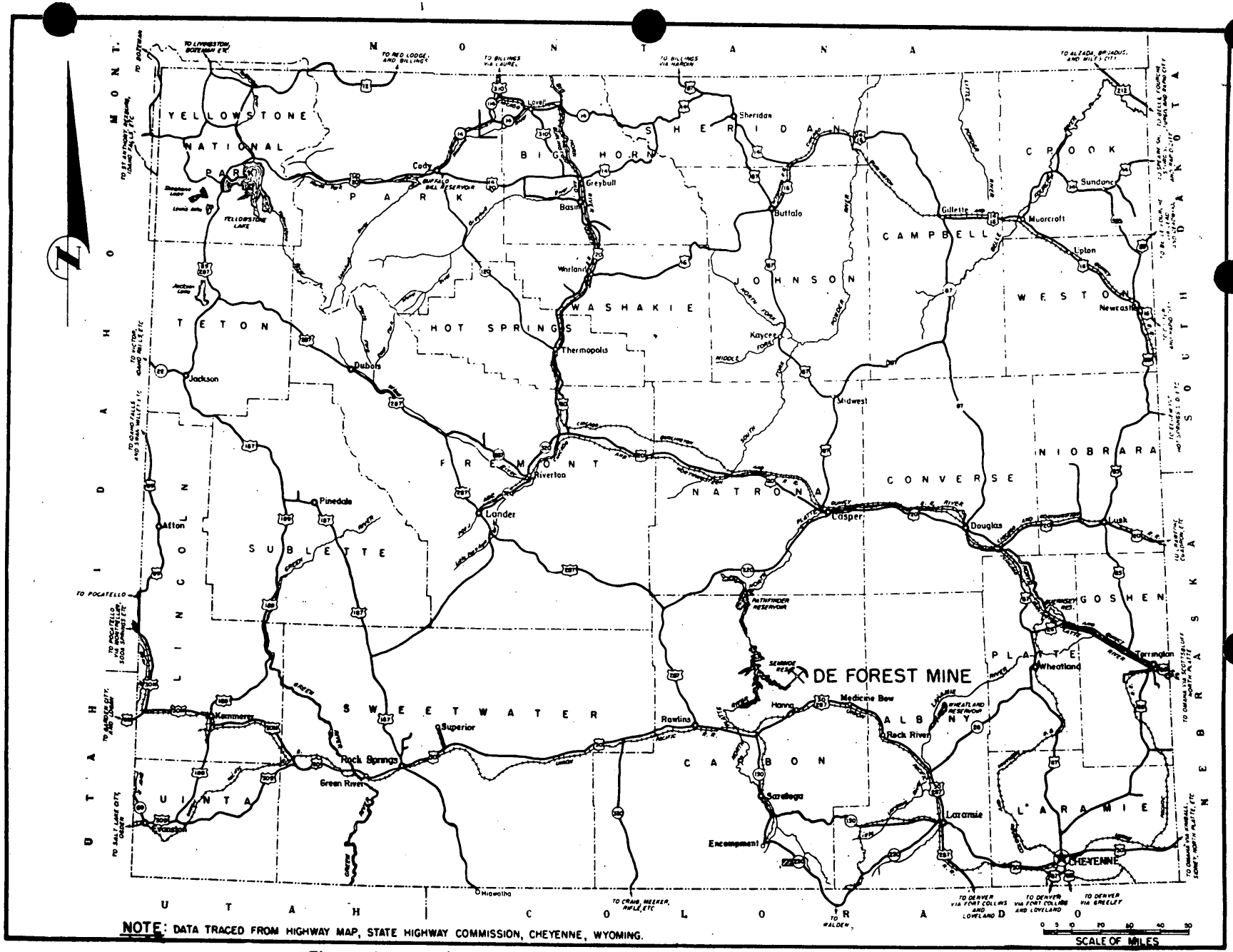
Mr. Startzell is not financially able to contribute any cash to match the requested $25,000 Government participation loan. Except for hand tools and drill steel, he has no equipment which would have a rental value for use in his proposed exploratory plan.

CONCLUSIONS

Field examination disclosed insufficient mineralization along a weak north-south fissure to indicate anything more than a pocket occurrence of copper ores. Lack of igneous intrusions in the immediate area, which are later than the limestone, is unfavorable. There are no gossan cappings or gossan float, hence no reason to anticipate secondary copper enrichment. The applicant is under the impression the DMA program is a means of obtaining a "grubstake."

RECOMMENDATIONS

The field examiners recommend that funds be denied for exploration of this deposit.



NOTE: DATA TRACED FROM HIGHWAY MAP, STATE HIGHWAY COMMISSION, CHEYENNE, WYOMING.

Figure 1. Location map, De Forest Mine, Carbon County, Wyoming.

1400-123-E

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

MEMORANDUM

To: Administrative Management Division

From: Director, Supply Division

Subject: Application for exploration aid of Mr. L. H. Startzell, P. O. Drawer 524, Rawlins, Wyoming, DMA-1052X, Commodity-Copper

Denial of this application is recommended by Field Team Region IV for the following reasons:

1. Insufficient mineralization along a weak north-south fissure to indicate anything more than a pocket occurrence of copper ores.

2. Lack of igneous intrusions in the immediate areas, which are later than the limestone, is unfavorable.

3. There are no gossan cappings or gossan float, hence no reason to anticipate secondary copper enrichment.

4. There are no minable ore reserves.

5. The applicant is under the impression the DMA program is a means of obtaining a "grubstake."

6. The applicant is not able to match the Government's part of the project.

A letter has been prepared to the applicant notifying him of this denial.

Transmitted herewith for your disposal is the entire file consisting of the following:

5 MF-103
10 MF-103
1 Field Team Report on De Forest Copper Mine
1 Signed contract
2 Signed Subordination Agreements
2 DMA Review of Application for Exploration Assistance
2 Assay sheets, June 6, 1951 and June 14, 1951
1 Form letter from Tom Lyon to J. H. East, July 3, 1951
7 Letters to Mr. L. H. Startzell from
  L. F. Strobel, April 26, 1951
  J. B. Gowen, April 20, 1951 (2 copies)
  J. B. Gowen, May 17, 1951 (2 copies) with 2 letters attached of Startzell to DMA May 3, 1951 and May 5, 1951
  L. F. Strobel, May 24, 1951
  Tom Lyon, July 3, 1951
  Tom Lyon, June 28, 1951 (2 copies)
  J. B. Gowen, July 9, 1951 with 2 letters attached from Startzell to DMA June 7 and 20, 1951

1 Letter from McHenry Mosier to Tom Lyon
June 25, 1951 (3 copies)
2 Letters L. H. Startzell to DMA
May 12, 1951
May 20, 1951
1 Memo to A. H. Koschman from J. H. East, July 16, 1951
1 Letter of Boyd to Hon. L. C. Hunt, March 5, 1951 with letter attached Hunt to Boyd, Feb. 26, 1951
1 Letter Tom Lyon to McHenry Mosier, June 14, 1951

Tom Lyon

Tom Lyon, Director
Supply Division

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

224 New Customhouse
Denver 2, Colorado

July 16, 1951

Memorandum

To: A. H. Koschmann (with [illegible])

(Through Chief, Mining Division)

S. R. Wilson **(with brochure)**

From: DMA 1052X, L. H. Startzell, Carbon County, Wyoming

The attached application and review is a request for $50,000 on a matching fund basis to explore for copper 20 miles north of Hanna, Carbon County, Wyoming. Nine claims are involved. However, the names and the type and amount of exploration is not given.

Since an adverse report appears indicated, probably sufficient information in the Bureau of Mines or Geological Survey files can be found to save a field examination. Otherwise, a field examination is indicated.

J. H. East, Jr.

J. H. East, Jr.

A. H. Koschmann

A. H. Koschmann

Attachment

FILE COPY
SURNAME:

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

Gowen
Johnson
MacLaren
Moan
McKnight for Rose

JUL 3 1951

June 28, 1951

Re: Docket DMA 1052I

Mr. L. H. Startzell
P. O. Drawer 524
Rawlins, Wyoming

Copy

Not stripped in R. R.

Dear Mr. Startzell:

This is to inform you that your application for aid for an exploration project has been referred to the field team for further study. You should hear shortly from Mr. J. E. West, Jr., Executive Officer, DMA Field Team, Region IV, 224 New Customhouse, Denver 2, Colorado.

Very truly yours,

Tom Lyon

Tom Lyon, Director
Supply Division

JWAlt:pk

Copy to: Executive Officer, DMA Field Team IV
Executive Secretary
Administrator's Reading File
Coordinating Committee
J. B. Gowen
C. J. Johnson
D. MacLaren
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WASHINGTON, D.C.

JUL 3 1951

JUL 9 1951

Mr. J. H. East, Jr.
Executive Officer, DMA Field Team IV
224 New Customhouse
Denver 2, Colorado

Dear Sir:

In attach Notice of Application for Exploration Permit on:

Market No. DMA 1052X

Commodity: Copper

Applicant: Mr. L. H. Startzell, P. O. Drawer 524, Rawlins, Wyoming

Please give the consideration of this application with particular reference to the protection of the attached Notice.

Very truly yours,

Tom Lyon
Tom Lyon, Chairman
Coordinating Committee

Lowell B. Moon
For Director of Mines

Edwin T. McKnight
For Director of Lands

a, f, e

July 9, 1951

Re: Docket No. DMA-1052X

Mr. L. H. Startzell
P. O. Drawer 524
Rawlins, Wyoming

Dear Mr. Startzell:

This is to acknowledge your letters of June 7, 1951 and June 30, 1951 addressed to the Defense Minerals Administration and which were referred to the Copper Branch for reply.

It is evident that your letter of June 30, 1951 has crossed in the mails with Mr. Lyon's letter to you of June 28, 1951 notifying you that your application has been referred to the Defense Minerals Administration Field Team, Region IV, Denver, Colorado for further investigation.

Very truly yours,

J. B. Gower

J. B. Gowen, Acting Chief
Copper Branch, DMA

RVWaughter

Copy to: Field Team IV, w.c.i.
Reports and Records Branch, w.c.i.
Copper Branch, w.c.i.
Files

Rawlins June 30, 51

Defense Minerals Administration

Gentlemen - I have not had a line from the Copper Branch since you turned my application for a loan over to them I have sent them a sample of ore and also assayes showing 40% copper the ore carries Gold and silver It looks strange that the D. M. A. is going to send prospectors out looking for Stragic minerals and a outfit that has it cant get a loan to Develop it I can sell this property to the Kennecott outfit. If we can Develope it a little more.

Resp.

L. H. Startzell
Rawlins,
P.O. Drawer 524 Wyo

DMA-1052

COPY

DMA-1052X Rawlins June 7 - 51

Defense Minerals Administration

Dear Sir: I have 4 men I had hired up to take up to this Copper property to work My Pardner and myself make 6 If you are not going to make this loan kindly advise. So these men can go to other jobs and I will make different arrangements I am not going to use my mining equipment and pay these men wages also feed them this High Priced Gent unless I did get this loan.

Kindly advise Pronto.

Respt.
L. H. Startzell
Rawlins
P. O. Drawer Wyo
524

DMA-
Form 1052X

COPY

A.E.C.

JUL 5 1951

June 28, 1951

Re: Docket No. 10522

Mr. L. H. Stoddell
P. O. Drawer 524
Casper, Wyoming

Dear Mr. Stoddell:

This is to inform you that your application for aid for an exploration project has been referred to the field team for further study. You should hear shortly from Mr. J. H. East, Jr., Executive Officer, Field Team IV, 224 New Customhouse, Denver 2, Colorado.

Very truly yours,

Tom Lyon, Director
Supply Division

JrAlt:pk

Copy to: Executive Officer, Field Team IV
Executive Secretary
Administrator's Reading File
Coordinating Committee
J. L. Cohen
C. J. Johnson
J. MacLaren
Files

JUN 15 1951

JUN 14 1951

Mr. McHenry Mosier
Executive Officer, DMA Field Team
Region VIII
College Park, Maryland

Docket: DMA-1052X
L. H. Startzell
Copper
Exploration Project

Dear Mr. Mosier:

I am sending you separately a box of specimens of ore from the Del Forest copper mine, Carbon County, Wyoming, believed by the owner to contain malachite, azurite and "red oxide" and to be of commercial value.

It will be appreciated if you will have the specimens examined to determine the identity of the principal copper and gangue minerals, and an analysis made for copper on the lot, as a single or composite sample. Ordinarily we would not request work on a sample of such uncertain origin, but in this case the information might be helpful in considering the application.

Very truly yours,

Tom Lyon

Tom Lyon, Chairman
Coordinating Committee

CHJohnson:pf

Lowell B. Moon

for the Bureau of Mines

Paul N. Rove

for the Geological Survey

Copy to: Executive Officer, DMA Field Team, Region IV (2)
224 New Customhouse, Denver 2 Colorado
Mr. Strebel
Mr. Moon
Copper Branch, DMA, Room 3423,
Files

a.e.e.

JUN 14 1951

Mr. McHenry Mosier
Executive Officer, DMA Field Team
Region VIII
College Park, Maryland

Docket: DMA-105PX
L. H. Startzell
Copper
Exploration Project

Dear Mr. Mosier:

I am sending you separately a box of specimens of ore from the Del Forest copper mine, Carbon County, Wyoming, believed by the owner to contain malachite, azurite and "red oxide" and to be of commercial value.

It will be appreciated if you will have the specimens examined to determine the identity of the principal copper and gangue minerals, and an analysis made for copper on the lot, as a single or composite sample. Ordinarily we would not request work on a sample of such uncertain origin, but in this case the information might be helpful in considering the application.

Very truly yours,

Tom Lyon

Tom Lyon, Chairman
Coordinating Committee

CHJohnson:pf

[illegible]

for the Bureau of Mines

Grant N. Rove

for the Geological Survey

Copy to: Executive Officer, DMA Field Team, Region IV (2)
224 New Customhouse, Denver 2, Colorado
Mr. Strebel
Mr. Moon
Copper Branch, DMA, Room 3423,
Files

Q.E.C.

May 17, 1952

Re: Docket No. DMA-1052

Mr. L. H. Startzell
Box 524
Rawlins, Wyoming

This acknowledges receipt of your letters of May 3 and May 9, enclosing an application for an exploratory project in the amount of $25,000 of requested government participation. After carefully going over your Forms MF-100 and MF-103 submitted to us, and the information you previously submitted to the Geological Survey we still can find no information concerning the following:

(1) A brief description of your proposed work and the estimated time required to complete it. An example of what we need would be "number of feet of crosscuts, number of feet of drifting, number of feet of raises, etc. Total to be completed in an approximate number of months.

(2) An itemized statement of estimated costs of each item. For example: number of feet of drift to cost how much, number of feet of crosscuts to cost so much, etc.

(3) How much money is applicant prepared to invest in the proposed project. This would be for your share of various expenses other than equipment on hand which will have a rental value to the project.

(4) You state in your letter, that you have "over $25,000 in mining equipment." This statement should be clarified by an itemized list showing value of each class of equipment, such as: so many pieces drill steel -- worth; jack hammer worth; compressor worth, etc. The government will match in cash a fair rental value for equipment used on a project.

Before we can proceed any further with your application it is necessary that we have this information. As soon as it is received we shall be very glad indeed to give the application prompt attention.

Very truly yours,

J. B. Gowen

J. B. Gowen, Acting Chief
Copper Branch, DMA

DR MacLaren: pt

Copy to: Executive Officer, DMA Field Team, Region IV, 7th Floor Customhouse, Denver, Col.
Executive Secretary, DMA
Copper Branch, Room 3423
Files

Rawlins Wyo. May 3, 51

DMA-1052X

Defense Minerals Administration

Gentlemen: I received your letter returning the papers I made application for a $25,000. Loan on my Copper Property you sent me a Form Requesting Information in Regards to what work was done distance to the RailRoad Water Timber ect. I filled out that Form you have that back their. I own this Copper Property it has been idle for 50 years We shiped High grade Copper from their to the Old Argo Smelter in Denver 50 years ago. When the Government wanted Copper I went to the Court House and Filed on this property. and am going up to it and produce copper if the Gov. will make this loan, if they dont I will just valadate the claims I have over 25000 in mining equipment I will use if I had the cash I would not be after a loan as far as filling out these Forms I dont think the Lord could fill them out time is wasting we should be up in the Hills now producing copper. I will write to Senitor Hunt he may be able to straighten this out It is the Gov. that wants the Copper not me If they make the loan I will produce it by the 1st of July - 1951.

Resp

L. H. Startzell

COPY

Rawlins Wyo May 5-51

Defense Minerals Administration

Gentlemen: This will inform you of the conditions and amount of work done at the De Forest Copper property we drove a tunnel in to the Vein 525 ft we cut 100 ft Vein of Red Oxide of copper that was to low grade to ship to the Smelter in the days when we had to haul it to the Rail Road in Wagons We have diferant shafts sunk on the Vein. As I wrote before we were sheep herders and did not know anything about mining The richest Ore their we never stuck a pick in I had to go to arizona to lurn Copper Our idea is to go along this contact Drill and Dymamite up this Red Oxide Pile up this Rick ore then get some of these big copper co. to take over It will take big money to go after that right. I will send you specimens in the near future then you can see that I am not Rong in my statement of the Richness of this ore all the Big Copper Co are on the look out for New copper Deposits as Theirs are about worked out. The United Verde in arazon is worked out. It payed Senitor Clark a million $ a month in its Hay-Day my Pardner Lewis F. Bechan and I have a mining property north of Walcott it carries a little Gold and other minerals I have a Home in Rawlins I could sell for 1800 a $5000 GovernmentBond trucks and mining equipment worth quite a few thousand dollars We have good buildings on our Walcott Property 60 ft Guarge Electric Lights. Bechan has a 11 acre farm with good buildings at Grants Pass - Oregan. I am writing this information to show you we are not Bums. But we are short of cash to go ahead with this Copper Develement. I filled out a form and sent back their giving the distance to R.R. The Government. Built a good Road over the mountain from Hamma Wyo that Runs by Copper Property. The mine is 20 miles North of Hama on the Union Pacific Rail Road We shiped two cars of High Grade copper in the days we were workin from Como to the Argo Smelter We had to haul it in wagons and received 12½¢ for it. Their is a good stand of Timber on the claimes for mine timber a good watter supply.

Respt

L. H Startzell

Rawlins Wyo

P.O. Drawer 524

Res 114-E Buffalo st.

COPY

Beatrice Hyo May 5-51

Tahque Minerals corporation

Gentlemen: This will inform you of the conditions and amount of work done at the Forest Copper property during a period in the year 1951 to be one 100 ft main at and Crude of copper that was too prable to carry to the Smelter in the days when we had to haul it to the mill used in Oregon to have different similar work on the Tahque. As I wrote before we were cheap operators and did not know anything about mining the richest Copper that never should a piece in I had to go to extreme to turn Copper Ore taken in to go along this contact Hill and Dynamite up this Hot Water Hole we did. Each one, then put some or three big copper co. to take over. It will take big money to go after such right. I hold and you experience in the near future then you can see that I do not know in my statement or the Richness of this ore all the Big Copper Co are on the look out for low copper deposits as theirs are about worked out. The Dahlod Verde in around is working out. It never Monitor Cost a million I a work in the Ky-Ky by Kentucky Bank V. Indian and I have a mining property north of Talcott, it carries a little Gold and other minerals I have I does Indicating I could sell for 1800 a 2000.0 Governmentions Grade and mining equipment worth make a few thousand dollars we have good building on our selected property 60 ft frontage Blacktop Lights. Indian has a 11 room farm with good outbuilding at Oranda Iowa - Oregon. I am writing this information to show you we are not dumb. We do are plenty of cash to go ahead with this Copper Development. I filled out a form and sent back under giving the distance to Mt. The Government. Built a road from the mountain from Jerry Ore that came by Copper Inspector. The mine is 30 miles North of here on the Union Pacific Rail road. We stopped the ores of high grade copper in the days we were working from the Copper Smelter. We had no Rail in region and received 18¢ for Ore. Mr. is a good stand of timber on the claims for mine timber a good water supply.

Yours

[illegible]

Beatrice Hyo

P.O. Box [illegible]

Des Moines Iowa

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 1052 X

Date received 5-17-51

Participation

L. H. Startzell
Rawlins
Wyo

Name and address of applicant

Date May 12-1951

FILL IN THIS BLOCK

Date of application May 12-1951

Estimated cost $50,000

Mineral or metal Copper

Percentage of Government participation $25,000

Location of mine 20 miles N. of Hanna
Coal Town on Union Pacific R.R.

Date of filing MF-100 Fef

DMA Docket Number, if available 1052X

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 L. H. Stutzell (Signature of authorized official)
May 12 - 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

April 30, 1951

Re: Docket No. DMA-1052

Mr. L. H. Startzell
Box 524
Rawlins, Wyoming

Dear Mr. Startzell:

This acknowledges receipt your letter of April 20, 1951 transmitting an application for an exploratory project in the amount of $25,000, this being evidently the amount of requested government participation.

We have been unable to give proper consideration to this application because you have furnished very little of the necessary information. For example, you do not say just where the property is, you do not state whether you are the owner or have a lease on it, you do not state whether or not you are able to furnish your share of the estimated cost of the project, which presumably in this case would be $25,000. It is not stated just what work you propose to do or how much it will cost or how long it will take. You indicate that there are millions of tons of measured ore but do not give any information as to the basis for this estimate. You do not state whether there are any mine workings on the property and if so whether they are open for inspection.

I am returning the application herewith and suggest that you read it over carefully, particularly Form MF-103, (Application for Aid for and Exploration Project), and endeavor to answer all of the questions that would be applicable to your project.

The difficulty of completing these forms is fully realized but most of the questions are very important in the consideration of mining exploration projects. If you can furnish the desired information we shall be very glad indeed to give the application prompt consideration.

Very truly yours,

J. B. Gowen

J. B. Gowen, Acting Chief
Copper Branch, DMA

Enclosures
JBGowen:bsl
Copy to: Executive Secretary
Copper Branch
Files

April 26, 1951

Mr. L. H. Startzell
P. O. Drawer 524
Rawlins, Wyoming

Subject: DMA-1052

Re: Exploration loan of $25,000

My dear Mr. Startzell:

Receipt is acknowledged of your application and attachments of April 20, for an Exploration loan under the Defense Production Act of 1950.

The application was assigned docket number 1052 and referred to Mr. J. B. Gowen, Chief, Copper Branch, on April 24.

In any future correspondence relating to your application, kindly refer to DMA-1052.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:bh
Copy to: Strobel(2)
Files
Mr. Gowen
Mr. Lyon

Cantonment Geologist

Defense Minerals Administration

Gentlemen - In your letter of Mar. 20 - you advised you would send me from time to time a Loan on my copper Property I haven't received it to date.

Respt

J. H. Stutzell

Cantonment

P.O. Box 524 Wyo

PS We are rounding up our outfit to go to the Property.

BUREAU OF MINES
WASHINGTON, D.C.
APR 10 3 27 PM

4/11/51 Dowen - reply

APR 11 1951

LANGDON P. MARVIN
Executive Secretary

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D. C.~~
College Park, Maryland

June 25, 1951

Memorandum

To: Tom Lyon

From: McHenry Mosier

Subject: Docket DMA 1052X

In reference to your undated memorandum requesting identification of minerals and copper assay of specimen from the Del Forest copper mine, Docket DMA 1052X:

The mineral identification section of the Eastern Experiment Station reports the following minerals:

Ore - Malachite
Minor: Sphalerite - Tr
w. Cd Tr
Molybdenum < .5%

Gangue - Chert w. malachite-calcite mixture
Calcite
Goethite-hematite

The entire specimen was sent to the Bruce Williams Laboratories, Joplin, Missouri which reported a copper content of 14.18 percent.

McHenry Mosier

McHenry Mosier

Copy to: Ex Off DMA FT IV (2)
Copper Branch (2)
4 extras

BUREAU OF MINES
WASHINGTON, D. C.

1951 JUN 26 AM 8 10

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
College Park, Maryland

June 25, 1951

Memorandum

To: Tom Lyon

From: McHenry Mosier

Subject: Docket DMA 1052X

In reference to your undated memorandum requesting identification of minerals and copper assay of specimen from the Del Forest copper mine, Docket DMA 1052X:

The mineral identification section of the Eastern Experiment Station reports the following minerals:

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McHenry Mosier

Copy

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
College Park, Maryland

June 25, 1951

Memorandum

To: Tom Lyon

From: McHenry Mosier

Subject: Docket DMA 1052X

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Goethite-hematite

The entire specimen was sent to the Bruce Williams Laboratories, Joplin, Missouri which reported a copper content of 14.18 percent.

McHenry Mosier

Copy

are worth 10 times what I ask on
a Loan We are going to surf on
the copper where ever it shows up
on this contact Just How Deep
We will go Depends on the Ore Body
intentions me to sell this Property
this Summer and I will be able to
do it What I need this Loan
for is to finance me in Giant Dynamite
Oils Gas Ect You know as well as
I do that that amount of money
wont go very far My Equipment is
good shape to buy all that stuff
Now at the Prices to day would cost
a lot of money I do know they want
50¢ a L.B. for Drill steel Prices cost
The Papers stated the Gov was going to Send
Staff Prospectors to Hunt for Vital

Rawlins 20 ch 51

Defense Minerals Administration

Dear sir- I have a small compressor capable of Running two Jack Hamer Drill smal air Receiver I should Judge close to a Ton of Steel Hand and for Jack Hamers 6000 feet steel 16 lb. Rail 2 - 1 Ton mine cars 4 - Buckets for mine shafts a small Hoist undells Steel sharpner tools air Blowers Vices Pipe Tools Hamers Sledges Wheel Barrow The above mentioned out fit would cost over $25000. a wheel Barrow Rubber Tire cost $35.00 today I have a Ton 1½ Chevy Truck I just bought New Tires and Tubes for while I could get them paid $365. I bought a Trailor House on a Ton and 1½ - 16 ft Long cost me $2800. a Plymouth Coup $1500 a Hodge Sedan $500. International Pick up ½ Ton worth $1000. And This Copper Claims

I have a Copper mineral done away
with in a great many ways I to do
The Rocket Copper on the Property then
never attack a Pick on Red Cliff Then
thought it was Iron I Hope that
is the cause delay on this but I would
like to get Started I will send Day
Rock Specimen of Ore

Respt

F. N. Stantell

Gunnison

P.O. Box 32

Colo

minerals We dont Have to Hunt over
the mountains for it We have it sticking
out of the Ground We will Hull
and shoot it up all along the
contact The last papers I signed gave
the Gov a mortage on this mining property
I dont expect the Gov to put in a check
as I am to pay this Back This Helper
is Helping me I have my own Tool Road
to go on and I receive this Grant of land
have a Geologist Back that that claims He
can tell no hat portage model Ground will
cost He a Hom pot No owner can tell
what fund of Ground He is going to
encounter Hard on Ground He will have to
bomb for We have over $100,000 worth of
work done on this property it was
work not done wrong as it was done
By men that were not workers men

Rawlins WYO May 12 — 1957

dmc 105218

Dear sir, I filled out these Forms as well as I could. This Property is worth Big money and I will be able to Prove it in a couple of months

Resp

L. N. Stutzell
Rawlins
WYO

P.O. Drawer 524

Suggest F.T. be asked to have some one look into this, at its convenience. He has given us no reason to expect to find anything worth making a special trip. CHJ

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 1052 X

Commodity COPPER

Total Amount ?

Govt. Participation $25,000

1. Name and Address of Applicant MR L.H. STARTZELL
P.O. DRAWER 524, RAWLINS, WYOMING

2. Location of Property CARBON COUNTY, WYOMING
SEC. 24 TWP 25 NORTH RANGE 92 W.

3. Mineral or metal COPPER 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

c) None

d) Don't know—needs field examination ✓ (see 17, page 4)

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

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 DOES NOT STATE

b) Equipment and supplies ? HE DOES NOT OUTLINE HIS PROJECT
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* YES.

d) Water (question 13)* ? SAME AS a.

e) Power (question 13)* ? SAME AS a.

Is a field check needed on any of these points? YES

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* No

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? HE DOES NOT STATE HIS PROJECT

If not, what part of it is?

Is this part a worthwhile exploration project? —

d) Are the cost estimates detailed? No

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? ?

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? ?

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? ?

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

c) Are rents and charges reasonable? ?

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? ? PRESENTS NO SCHEDULE

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

d) Are the proposed wages and salaries reasonable? — NO SALARIES GIVEN.

e) Is a field check needed? YES

14. Exhibit E (question 23-c)*

a) Is it applicable? ? Does not answer question

b) Sufficient data? No

c) Reasonable? —

d) Field check needed? Yes

15. In your judgment, can the proposed work be done in the proposed time? Can not judge as no project stated

(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? [illegible] Apparently the only way we can get proper information is by a field team visit, and there is no evidence submitted to justify their taking the time, in view of the large amount of justified work they now have

Reviewed by: J B Gower

[illegible]

[illegible]

Since penciled note by CHJ at top of page 1, received assay results on sample sent in by Mr. Startzell. The reported copper content surprised all who saw the original.

JBG

Date 21 June 51

97692

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 1052 X

Commodity COPPER

Total Amount ?

Govt. Participation $25,000

1. Name and Address of Applicant MRS M STARTZELL

PO DRAWER 524 RAWLINS WYOMING

2. Location of Property CARBON COUNTY, WYOMING

SEC 14 TWP 25 NORTH RANGE 22 W

3. Mineral or metal COPPER 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

c) None

d) Don't know—needs field examination ✓ (See 17 page 4)

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

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 Does Not State

b) Equipment and supplies ? He Does not outline his project
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* YES.

d) Water (question 13)* ? [illegible]

e) Power (question 13)* ? [illegible]

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

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* No

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? He does not state his project

If not, what part of it is?

Is this part a worthwhile exploration project? —

d) Are the cost estimates detailed? No

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? ?

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? ?

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? ?

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

c) Are rents and charges reasonable? ?

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? ? Presents no schedule

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

d) Are the proposed wages and salaries reasonable? — No [illegible]

e) Is a field check needed? Yes

14. Exhibit E (question 23-c)*

a) Is it applicable? ? DOES NO ANSWER QUESTION

b) Sufficient data? No

c) Reasonable? —

d) Field check needed? YES

15. In your judgment, can the proposed work be done in the proposed time? CAN NOT JUDGE AS NO PROJECT STATED

(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? He is looking for a grubstake. He has failed repeatedly to answer the questions asked. Apparently the only way we can get proper information is by a field team visit, and there is no evidence submitted to justify their taking the time, in view of the large amount of justified work they now have

Reviewed by: J B Gower

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JBG

Date 21 June 51

97692

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma 10521 X

Date received 4-23-51

April 20 - 1951

Name and address of applicant
L. M. STARTZELL
RAWLINS, WYOMING
P.O. Drawer 524

Date

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124–A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production .....

   If not in production or operation, estimated date when production will begin .....
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*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.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address	Official Title (If officer is also director indicate by "D")	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year	Estimated Net Worth Outside of Interest in Applicant	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common	Preferred	Amount	Net Cash Surrender Value After Loans
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
L. M. STARTZELL RAWLINS, WYOMING P.O. Drawer 524							
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	Copper				
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Millions					
Measured (proved)	Millions				
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

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.

None
(Name of company)

By L. H. Startzell
(Signature of authorized official)

(Date)

Prospector
(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.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

Defense Minerals Administration
Reference Slip

Date 5/18/51

To: 1. Mr. Brown – Room 3422

2.

MAY 21 1951

3.

4.

DMA 1052 X

For Action ✓
Reply
Information
Remarks:

Sender Strobel (AL)

3
Mr. Strobel DMA
Forwarded to

Branch

Date

Sender

2
Mr. Strobel DMA
Forwarded to

Branch

Date

Sender

1
Mr. Strobel DMA
Forwarded to

Branch

Date

Sender

92758

May 24, 1951

Mr. L. H. Startzell
P. O. Drawer 524
Rawlins, Wyoming

Subject: DMA-1052X
Re: Exploration Loan

My dear Mr. Startzell:

Receipt is acknowledged of your application and attachments of May 12, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1052X and was referred to Mr. J. B. Gowen, Chief, Copper Branch on May 18, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1052X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:mab
cc: Strobel-2
Files
Bowen
Lyon

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma 10521 X

Date received 4-23-51

L. H. STARTZELL
RAWLINS, WYOMING
P.O. Drawer 524

Name and address of applicant

Date April 20 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*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.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address	Official Title (If officer is also director indicate by "D")	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year	Estimated Net Worth Outside of Interest in Applicant	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common	Preferred	Amount	Net Cash Surrender Value After Loans
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
L. H. STARTZELL RAWLINS, WYOMING P.O. Drawer 524							
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve Millions Tons	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)		Copper			
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply: Plenty of Water

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

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.

None
(Name of company)

By L. H. Stanfell
(Signature of authorized official)

(Date)

Prospector
(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.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma 10521 X

Date received 4-23-51

C. H. STARTZELL
RAWLINS, WYOMING
P.O. Drawer

Name and address of applicant

Date April 20 - 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production .....

   If not in production or operation, estimated date when production will begin .....
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*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.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address	Official Title (If officer is also director indicate by "D")	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year	Estimated Net Worth Outside of Interest in Applicant	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common	Preferred	Amount	Net Cash Surrender Value After Loans
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(*a*) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve Millions of Tons	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

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17. Equipment and Facilities:

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18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

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.

L. H. Stastell
(Name of company)

By L. H. Stastell
(Signature of authorized official)

(Date)

Prospector
(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.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma 1052 X

Date received 4-23-51

L. H. STARTZELL
RAWLINS, WYOMING

L. H. STARTZELL
RAWLINS, WYOMING

P.O. Drawer 524 Name and address of applicant

Date April 20 - 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

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   (*c*) Linear feet of tunnels or adits.
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   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
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8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
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*Indicate period covered.

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(*b*) If deposit is other than placer:

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TOTAL ORE OR MINERAL RESERVES

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Measured (proved)					
Indicated (probable)					

(*c*) If placer:

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(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

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14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

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.

None
(Name of company)

By L. H. Starbell
(Signature of authorized official)

April 20 - 1951
(Date)

Prospector
(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.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. .....

Date received .....

Participation .....

Started DMA-1052-X
Note: Combining various forms
Plan

N. Bureau / Mines
Report

Name and address of applicant

Date .....

FILL IN THIS BLOCK

Date of application .....

Estimated cost .....

Mineral or metal .....

Percentage of Government participation .....

Location of mine .....

.....

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. - 40 yrs - Miner

*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 applicable

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. Sec 24 – Tunship 25 – North R 82 W

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

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. DeForest (present)

*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. 20mi to U.P.RR – via Govt made road

*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. "Plenty"

*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. Truck 20 mi to RR — Grand Smelter R.R. (50 yrs ago)

*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. 525 ft. Tunnel (ore too low to ship 50 yrs. ago)

(*b*) State briefly the known history and production of adjoining and neighboring properties. apparently None

(*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations. apparently none

*17. Production:

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

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining	Not in production	2 cars high grade	shipped 50 yrs	
(2) Milling				
(3) Shipped or sold	ago to Grand Smelter Denver			

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

(*a*) Describe the ore or mineral deposits briefly. None (apparently)

(*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? Copper

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 ---------- (Signature of authorized official)

---------- (Date)

---------- (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

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 1052 X

Date received 4-23-51

Participation

L. H. STARTZELL
RAWLINS, WYOMING
P.O. Drawer 524

Name and address of applicant

Date April 20 1951

FILL IN THIS BLOCK

Date of application April 20th 1951

Mineral or metal

Location of mine

Estimated cost

Percentage of Government participation $25000 Twenty Five Thousand $

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.
*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.

Lle Forest
(Name of company)

By L. H. Stanfield
(Signature of authorized official)

(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

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 1052 X

Date received 4-23-51

Participation

L. H. STARTZELL
RAWLINS, WYOMING
P.O. Drawer 524

Name and address of applicant

Date April 20 - 1951

FILL IN THIS BLOCK

Date of application April 20th 1951

Estimated cost

Mineral or metal

Percentage of Government participation $25000.00 Twenty Five Thousand

Location of mine 20 miles North Hanna Carbon Co Wyo

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.

L. H. STARTZELL
RAWLINS, WYOMING

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.

*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.

7. If lessee, attach a copy of the lease and state if it is in good standing. none

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.

Del Forest
(Name of company)

By L. H. Stastell
(Signature of authorized official)

owner
(Date)

Prospector
(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

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 10521 X

Date received 4-23-51

Participation

L. H. STARTZELL
RAWLINS, WYOMING
P.O. Drawer 524

Name and address of applicant

Date April 20 - 1951

FILL IN THIS BLOCK

Date of application April 20 - 1951

Mineral or metal Copper

Location of mine 20 miles N. Hanna Carbon Co Wyo

Estimated cost

Percentage of Government participation $25000 Twenty Five Thousand $

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?
*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.
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    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.
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	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.
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    (*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.

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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:
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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.

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.

None (Name of company) — By L. H. Stashell (Signature of authorized official)

May 3d — 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

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/1052 X

Date received 4/23/51

Participation

L. H. STARTZELL
RAWLINS, WYOMING
P.O. Drawer 524

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application April 20th 1951

Estimated cost

Mineral or metal Copper

Percentage of Government participation $25000

Location of mine 20 miles N of Hanna Twenty Five Thousand $
Carbon Co Wyo

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

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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.

De Forest
(Name of company)

By L. H. Shattell
(Signature of authorized official)

(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

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 1052 X

Date received 4-23-51

Participation

C. H. STARTZELL
RAWLINS, WYOMING
P.O. Drawer 524

Name and address of applicant

Date April 20 - 1951

FILL IN THIS BLOCK

Date of application April 20th 1951

Estimated cost

Mineral or metal Copper

Percentage of Government participation $25000.00 Twenty Five Thousand

Location of mine 20 miles North of Hanna Carbon Co. Wyo

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

C. H. STARTZELL
RAWLINS, WYOMING

*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.

*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.

7. If lessee, attach a copy of the lease and state if it is in good standing. none

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)?

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16—64067-1

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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.
    (*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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    (*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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(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
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    (*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

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

De Forest mine
(Name of company)

By L. H. Stastell
(Signature of authorized official)

May 31 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

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 1052 X

Date received 4-23-51

Participation

C. M. STARTZELL
RAWLINS, WYOMING
P.O. Drawer 524

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application April 20 - 1951

Estimated cost

Mineral or metal

Percentage of Government participation $25000.00 Twenty Five Thousand $

Location of mine 20 miles N. of Hanna Carbon Co Wyo

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. none

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. 40 years quartz mining

*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.

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				
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*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? Copper

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. 6 months

    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. None

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

None (Name of company)

By L. H. Stutzell (Signature of authorized official)

May 3d - 1951 (Date)

Prospector (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

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 1052 X

Date received 5-17-51

Participation

L. H. Starzell
Rawlins
Wyo

Name and address of applicant

Date May 12 - 1951

FILL IN THIS BLOCK

Date of application May 12 - 1951

Estimated cost $50000

Mineral or metal Coal

Percentage of Government participation $2500

Location of mine 20 miles N of Hanna
Coal Town on Union Pacific RR

Date of filing MF-100 Feb

DMA Docket Number, if available 1052X

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.
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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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16—64067-1

THE PROPERTY

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    (*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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*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
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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?
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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.

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. H. Stoffell (Signature of authorized official)
May 12 - 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

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 5-18-51

REFERRED TO:

1. Mr Mittendorf
2.
3. Hoover
4. 3423.

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.

Strobell (Sell)
Initials of sender.

GPO 16—63815-1

THE PROPERTY

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THE EXPLORATION

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THE REQUIREMENTS AND COSTS

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    (*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 L. H. Stastell (Signature of authorized official)
May 12 - 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

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 1052 X

Date received 5-17-51

Participation

L. H. Stoffell
Rawlins
Wyo

Name and address of applicant

Date May 12 - 1951

FILL IN THIS BLOCK

Date of application May 12 - 1951

Estimated cost $50000

Mineral or metal Copper

Percentage of Government participation $25000

Location of mine 20 miles N. of Hanna
Coal Town on Union Pacific Rail Road

Date of filing MF-100 Feb

DMA Docket Number, if available 1052 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.

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 L. H. Stastell (Signature of authorized official)
May 12 - 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

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 1052X

Date received 5-17-51

Participation

L. H. Stastell
Rawlins
Wyo

Name and address of applicant

Date May 12 - 1925

FILL IN THIS BLOCK

Date of application May 12 - 1951

Estimated cost $50,000

Mineral or metal Copper

Percentage of Government participation $25,000

Location of mine 20 miles N. of Hanna
Coal Town on Union Pacific RR

Date of filing MF-100 Feb

DMA Docket Number, if available 1052X

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

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma 10521 X

Date received 4-23-51

L. H. STARTZELL
RAWLINS, WYOMING
P.O. Drawer 524

Name and address of applicant

Date April 20th 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124–A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*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.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(*a*) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve Millions of Tons	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

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.

None
(Name of company)

By L. H. Stutzell
(Signature of authorized official)

(Date)

Prospector
(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.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

MF-200
(April 1951)

Docket No. DMA 10521X
Commodity COPPER

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this _____ day of _____, 195__, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] L. H. Starfield

hereinafter called the "Operator," as follows:

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of Wyoming, County of Carbon, described as follows: [3] 9 claims 20 miles W of Hanna a coal Town on the Union Pacific RR Copper

with respect to which the Operator represents and undertakes: [4]

(*a*) That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: No Leases Sole owner These claims are all surveyed and on Record in the Recorders office at Rawlins, Carbon Co. Wyo

(*b*) That he is a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached.

3. *Exploration project.* The Operator, within _____ days from the date of this contract shall commence work on a project of exploration for [5] _____; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] _____ from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

4. *Performance of the work.* The work shall be performed by the Operator, under his sole direction and control: *Provided,* That with the consent of the Government and its written approval of the contract or contracts, all or any part of the work may be performed by the Operator through contract or contracts with independent contractors. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

5. *Fixtures and improvements.* The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof. Attached hereto, marked "Exhibit 'B'," is a detailed list of additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute its agreed pro-rata share of the cost. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro-rata share.

6. *Operating equipment.* Attached hereto, marked "Exhibit 'C'," is a detailed list of operating equipment divided into categories of items to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or rental value, as the case may be, annexed to each. As to equipment purchased for the project, the Government will contribute its agreed pro-rata share of the cost thereof, and the difference between the cost and the salvage value at the conclusion of the work shall be charged as a cost of the project to which the Government has contributed its pro-rata share.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

7. *Title to and disposition of property.* All facilities, buildings, fixtures, equipment, and other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

8. *Labor and supervision.* Attached hereto, marked "Exhibit 'D'," is an itemized schedule of labor, by numbers and classes (miners, muckers, millmen, etc.), and of supervisors, by numbers and positions, with the maximum wages or salaries that may be paid to each as an allowable cost of the project.

9. *Rehabilitation and repairs.* Attached hereto, marked "Exhibit 'E'," is a detailed schedule of existing facilities, buildings, installations, and fixtures, with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition, which cost shall be allowed as a cost of the project.

10. *Allowable costs of the project.* The allowable costs of the project in which the Government will participate are limited to the necessary, reasonable, direct costs of performing the exploration work, including the costs of materials, supplies, engineering, power, water, and utilities, including items of equipment costing less than $50 each; and the costs referred to in Articles 5, 6, 8, and 9, and the exhibits annexed to and referred to in the contract. Although the Government may pay part of the cost of new or additional facilities, structures, buildings, and equipment, only the depreciation on such items, computed as indicated in Articles 5 and 6, will be charged as a cost of the project. No items of general overhead, corporate management, interest, or any other indirect costs not expressly allowed by these regulations, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

11. *Participation by the Government.* At the end of the first full calendar month after the Operator has commenced work under the project, and at the end of each succeeding calendar month, the Operator shall submit to the Government a voucher for payment with a detailed statement of work done and allowable costs (as defined in Article 10 of this agreement) incurred, in a form and with supporting data acceptable to the Government. After approving the voucher, the Government shall pay to the Operator _____ percent of the sum of such costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $_____, which is _____ percent of the agreed estimated total cost of this project, $_____.

12. *Accounts and audits.* The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract.

13. *Progress reports.* The Operator shall provide the Government with monthly reports of progress in form and content satisfactory to the Government, and upon the completion of the project or termination of the contract shall provide the Government with a comprehensive geologic and engineering report, including an estimate of ore reserves, to the best of his ability. Four copies of all reports shall be furnished to the Government.

14. *Repayment by Operator.* If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.

Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent additional for each full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the property which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

15. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

16. *Termination and completion.* The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in triplicate the day and year first above written.

L. H. Stautzell
(Operator)

By _____

THE UNITED STATES OF AMERICA

By L. H. Stautzell

U. S. GOVERNMENT PRINTING OFFICE 16—64066-1

dma 10521 X

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Carbon, State of WYOMING, described in a certain Exploration Project Contract dated May 12, 1951, between L. H. Stuntzell,
owner
the ~~Lessee~~ of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as ~~Lessor~~ owner of said property under lease dated _____

_____, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this May 12 day of _____, 1951

L. H. Stuntzell

U. S. GOVERNMENT PRINTING OFFICE 940768

dma/1052X

MF-201

MORTGAGOR'S SUBORDINATION AGREEMENT

No lien on property

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the owner is the holder of a mortgage, claim, lien, or encumbrance dated ----------, ----------, recorded in Book ----------, page ----------, of the records of the county of ----------, State of ----------, upon that certain parcel of ground described in a certain Exploration Project Contract dated ----------, 195---, between ----------, the owner of said property and the United States of America;

NOW, THEREFORE, the undersigned does by these presents subordinate all of his right, title, and interest in said mortgage, claim, lien, or encumbrance to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights under the provisions of said mortgage, claim, lien, or encumbrance; and

The undersigned agrees to commit no act nor assert any right, title, or interest under said mortgage, claim, lien, or encumbrance that might contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 12th day of March, 1951

L. H. Stautzell

U. S. GOVERNMENT PRINTING OFFICE 940767

FILE COPY
SURNAME:

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

July 9, 1951

Re: Docket No. DMA-1052X

Mr. L. H. Startzell
P. O. Drawer 524
Rawlins, Wyoming

Dear Mr. Startzell:

This is to acknowledge your letters of June 7, 1951 and June 30, 1951 addressed to the Defense Minerals Administration and which were referred to the Copper Branch for reply.

It is evident that your letter of June 30, 1951 has crossed in the mails with Mr. Lyon's letter to you of June 28, 1951 notifying you that your application has been referred to the Defense Minerals Administration Field Team, Region IV, Denver, Colorado for further investigation.

Very truly yours,

J. B. Gowen

J. B. Gowen, Acting Chief
Copper Branch, DMA

RVWaugh:ez

Copy to: Field Team IV, w.c.i.
Reports and Records Branch, w.c.i.
Copper Branch, w.c.i.
Files

DMA 1052

Rawlins June 30 — 37 Mr. Gower

Defense Minerals Administration

Gentlemen - I have not had a line from the Copper Branch since you turned my application for a loan over to them I have sent them a sample of ore and also assayes showing 40 % copper the ore carries Gold and silver It looks strange that the D. M. A is going to send prospectors out looking for strange minerals. And a outfit that has it can get a loan to develop it. I can sell this property to the Kennecott outfit. If we can develope it a little more

Resp
L. H. Startzell
Rawlins
Wyo

L. H. STARTZELL
RAWLINS, WYOMING

P.O. Drawer 524

D.M.A 1052 X

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 2 - 1951
LANDON F. STROBEL
Executive Secretary

FILE COPY
SURNAME:

Bowen
Mactown

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

JUN 14 1951

Mr. McHenry Mosier
Executive Officer, DMA Field Team
Region VIII
College Park, Maryland

Docket: DMA-1052X
L. H. Startzell
Copper
Exploration Project

Dear Mr. Mosier:

I am sending you separately a box of specimens of ore from the Del Forest copper mine, Carbon County, Wyoming, believed by the owner to contain malachite, azurite and "red oxide" and to be of commercial value.

It will be appreciated if you will have the specimens examined to determine the identity of the principal copper and gangue minerals, and an analysis made for copper on the lot, as a single or composite sample. Ordinarily we would not request work on a sample of such uncertain origin, but in this case the information might be helpful in considering the application.

Very truly yours,

Tom Lyon

Tom Lyon, Chairman
Coordinating Committee

CHJohnson:pf

Lowell S. Moon

for the Bureau of Mines

Olaf N. Rove

for the Geological Survey

Copy to: Executive Officer, DMA Field Team, Region IV (2)
224 New Customhouse, Denver 2, Colorado
Mr. Strobel
Mr. Moon
Copper Branch, DMA, Room 3423,
Files

DMA 1052

856

From
D.M.A 1052X

Rawlins June 7 - 51

Bowen
(Air Mail)

Defence Minerals Administration

Dear sir, I have 4 men I had hired up to take up to this copper property to work my partner and myself make a If you are not going to make this Loan Kindly advise. So these men can go to other jobs and I will make different arrangements I am not going to use my money equipment and pay these men wages also feed them this high priced stuff unless I did get this Loan.

Kindly Prompto Reply

L.H. Shatzell
Rawlins
P.O. Drawer 524
Wyo

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 8 1951
LANDON F. STROBEL
Executive Secretary

D.M.A
From 1052X

OFFICE OF THE ADMINISTRATOR

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

May 24, 1951

Mr. L. H. Startzell
P. O. Drawer 524
Rawlins, Wyoming

Subject: DMA-1052X
Re: Exploration Loan

My dear Mr. Startzell:

Receipt is acknowledged of your application and attachments of May 12, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1052X and was referred to Mr. J. B. Gowen, Chief, Copper Branch on May 18, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1052X.

Sincerely yours,

Landon F. Strobel

Landon F. Strobel
Executive Secretary

This is the Last letter I Received

FILE COPY
SURNAME:

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

May 24, 1951

Mr. L. H. Startzell
P. O. Drawer 524
Rawlins, Wyoming

Subject: DMA-1052X
Re: Exploration Loan

My dear Mr. Startzell:

Receipt is acknowledged of your application and attachments of May 12, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1052X and was referred to Mr. J. B. Gowen, Chief, Copper Branch on May 18, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1052X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:mab
cc: Strobel-2
Files
Howen
Lyon

FILE COPY
SURNAME:

Macharen

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

May 17, 1951

Re: Docket No. DMA-1052

Mr. L. H. Startzell
Box 524
Rawlins, Wyoming

This acknowledges receipt of your letters of May 3 and May 9, enclosing an application for an exploratory project in the amount of $25,000 of requested government participation. After carefully going over your Forms MF-100 and MF-103 submitted to us, and the information you previously submitted to the Geological Survey we still can find no information concerning the following:

(1) A brief description of your proposed work and the estimated time required to complete it. An example of what we need would be "number of feet of crosscuts, number of feet of drifting, number of feet of raises, etc. Total to be completed in an approximate number of months.

(2) An itemized statement of estimated costs of each item. For example: number of feet of drift to cost how much, number of feet of crosscuts to cost so much, etc.

(3) How much money is applicant prepared to invest in the proposed project. This would be for your share of various expenses other than equipment on hand which will have a rental value to the project.

(4) You state in your letter, that you have "over $25,000 in mining equipment." This statement should be clarified by an itemized list showing value of each class of equipment, such as: so many pieces drill steel -- worth; jack hammer worth; compressor worth, etc. The government will match in cash a fair rental value for equipment used on a project.

Before we can proceed any further with your application it is necessary that we have this information. As soon as it is received we shall be very glad indeed to give the application prompt attention.

Very truly yours,

J. B. Gowen

J. B. Gowen, Acting Chief
Copper Branch, DMA

N R MacLaren: pf

Copy to: Executive Officer, DMA Field Team, Region IV, 224 New Customhouse, Denver, Col.
Executive Secretary, DMA
Copper Branch, Room 3423
Files

DMA-1052

852

Rawlins May 8 - 51

Answered 5-17-51 J.M.P.

Defence Minerals Administration

Dear sir This copper property will Produce Millions of tons of High Grade copper in the Future The property Should be ample security for a Loan?

Resp

L. H. Stabell

Rawlins

P.O. Drawer 524

Wyo

Acknowledged with date of letter May 3

Res 114 E. Buffalo st

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 1 0 1951
LANDON F. STROBEL
Executive Secretary

L. H. STARTZELL
RAWLINS, WYOMING

RAWLINS
MAY 9
1 PM
1951
WYO.

U.S. POSTAGE
AIR MAIL

Defense Minerals Administration

Washington 25

D.M.A. 1052

Rawlins Wyo May 5 — 51

~~LANDON F. STROBEL~~

Defence Minerals Administration

answered 5-17-51 D.M.

Gentlemen. This will inform you of the condition and amount of work done at the De Forest Copper property We drove a Tunnel in to the Vein 525 ft we cut 100 ft Vein of Red Oxide of copper that was to Low grade to ship to the Smelter in the days when we had to Haul it to the Rail Road in Wagons We have different shafts sunk on the Vein. As I wrote before we were Sheep Herders and did not know anything about mining The richest Ore there we never stuck a Pick in I had to go to Arizona to Turn Copper Ore. Idea is to go along this contact Hull and Hymarite up this Red Oxide Pile up this Rich ore Then get some of these Big Copper Co to take over it will take big money to go after that Right. I will send you specimens in the near future Then you can see that I am not Rong in my statement of the Richness

of this Ore all the Big copper co are on
the Look out for New copper Deposites as
Theirs are about worked out. The United States
in Arizona is worse out. It Payed Senator
Clark a million $ a month in its Hey-Day
my Partner Lewis & Buchan and I Made a
mining Property North of Wabcott it carries
a little Gold and other minerals I have a Home
in Rawlins I could sell for $18000 or $5000.
Government Bond Trucks and mining equipment
worth quite a few Thousand Dollars We
have good buildings on our Wabcott Property
60 pt Gnarge Electric Lights. Buchan has
a 11 acre farm with good buildings at
Grants Pass - Oregon. I am writing this
information to show you we are not
Bums. But we are short of Cash to
go ahead with this Copper Development
I filled out a form and sent Back their
giving the distance to R.R. The Government

(2)

Build a good Road over the mountain from Hanna Wyo that Runs by Copper Property The mine is 20 miles North of Hanna on the Union Pacific Rail Road We shiped two cars of High Grade copper in the days we were workin from boms to the argo smelter We had to Haul it in wagons and received $12 1/2 ¢ for it. Their is a good stand of Timber on the claims for mine Timber a good water suply

Resp't

L. H Stastell.

Hanna

Wyo

P.O. Drawer 524

Res 114 - E Buffalo st.

BUREAU OF MINES
WASHINGTON, D. C.

MAY 7 11 36 AM '51

Rawlins Wyo May 3 1951

~~LENDON E. STROBEL~~

Defense Minerals Administration

Answered 5-17-51 dma-1052X
DM: Mr. Gower

Gentlemen. I received your letter returning the Papers I made application for a $25000 Loan on my Copper Property you sent me a Form Requesting Information in Regards to what work was done distance to the Rail Road Water Timber ect I filled out that Form you have that Back their. I own this Copper Property It has been idle for 50 years We shipped High grade Copper from their to the Old argo Smelter in Denver 50 years ago. When the Government wanted Copper I went to the Court House and Filed on this property. And am going up to it and Produce Copper If the Gov will

make this Loan If they dont I will
just Valadate the claims I have over
$25000. in mining Equipment I will
use If I had the cash I would not
be after a Loan as far as filling out
these Forms I dont think The Lord
could fill them out Time is wasting
We should be up in the Hills
Now Producing Copper. I will write
to Senator Hunt He may be able to
straighten this out It is the Gov
that wants the Copper not me
If they make the Loan I will
purchase it by the 1st of July - 1957

Resp

L. H. Startzell

L. H. STARTZELL
RAWLINS, WYOMING
MAY 7 10 49 AM '57
BUREAU OF MINES
WASHINGTON, D.C.

FILE COPY
SURNAME:

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

April 26, 1951

Mr. L. H. Startzell
P. O. Drawer 524
Rawlins, Wyoming

Subject: DMA-1052

Re: Exploration loan of $25,000

My dear Mr. Startzell:

Receipt is acknowledged of your application and attachments of April 20, for an Exploration loan under the Defense Production Act of 1950.

The application was assigned docket number 1052 and referred to Mr. J. B. Gowen, Chief, Copper Branch, on April 24.

In any future correspondence relating to your application, kindly refer to DMA-1052.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:bh
Copy to: Strobel(2)
Files
Mr. Gowen
Mr. Lyon

FILE COPY
SURNAME:

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

April 30, 1951

Re: Docket No. DMA-1052

Mr. L. H. Startzell
Box 524
Rawlins, Wyoming

Dear Mr. Startzell:

This acknowledges receipt your letter of April 20, 1951 transmitting an application for an exploratory project in the amount of $25,000, this being evidently the amount of requested government participation.

We have been unable to give proper consideration to this application because you have furnished very little of the necessary information. For example, you do not say just where the property is, you do not state whether you are the owner or have a lease on it, you [illegible] state whether or not you are able to furnish your share of the estimated cost of the project, which presumably in this case would be $25,000. It is not stated just what work you propose to do or how much it will cost or how long it will take. You indicate that there are millions of tons of measured ore but do not give any information as to the basis for this estimate. You do not state whether there are any mine workings on the property and if so whether they are open for inspection.

I am returning the application herewith and suggest that you read it over carefully, particularly Form MF-103, (Application for Aid for and Exploration Project), and endeavor to answer all of the questions that would be applicable to your project.

The difficulty of completing these forms is fully realized but most of the questions are very important in the consideration of mining exploration projects. If you can furnish the desired information we shall be very glad indeed to give the application prompt consideration.

Very truly yours,

J. B. Gowen

J. B. Gowen, Acting Chief
Copper Branch, DMA

Enclosures
JBGowen:bsl
Copy to: Executive Secretary
Copper Branch
Files

DMA-1052

DM -

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 4/11/51

REFERRED TO:

1. Bowen
2.
3.
4. Room 3628

FOR:

_____Action
_____Approval
_____Comment
✓ Recommendation
_____Reply for signature of_____
_____Your information

Reel I
1½-6

REMARKS:

Check (X) before the items needing attention.

LWB

LANDON F. STROBEL

Initials of sender.

Interior - Bureau of Mines, Pittsburgh, Pa.

Defense Minerals Administration
Reference Slip

Date 4/24/51

To: 1. Mr. Brewer

2.

3.

4.

DMA 1052

For Action ✓
Reply
Information
Remarks:

Sender Strobel (DM)

3
Mr. Strobel DMA

Forwarded to

Branch

Date

Sender

2
Mr. Strobel DMA

Forwarded to

Branch

Date

Sender

1
Mr. Strobel DMA

Forwarded to

Branch

Date

Sender

92758

Rawlins Wyo April 20 — 1937

LANDON F. SEARBY

dma 1052

Defense Minerals Administration

Gentlemen. I received aplication forms for a Loan I done the best I could to fill them out. But I will admit I know a lot more about mining than I know about filling out forms. My Request for a Goverment Loan for $25000. I am not asking for a Dollar more than I think I will need untill I can sell the Property I have been to Calumet Michigan around the C-H copper mines I run machines in the copper mines of arazona I never seen any Surface indications in either place Look as good as it does at the He Forest group of 9 claims We were sheep Herders and not miners When we were out their mining There is Rock Red Oxide with plenty Nature copper in it sticking out of the ground. This is a True Vein on

a Lime and quartzite contact Their are
3 Large faults on this contact and
the copper is very Rich on surface 50 years
a goe We run a tunnel into the Ridge
525 ft We cut a Vein of Red Oxide
over 100 ft thick but it was to low grade
for us to Haul by wagon to the Rail
Road and ship We shiped two Large
cars of Higrade copper to the old Argo
smelter in Denver They paid us 12½c
a lb I am a copper mining man now
and will say I think this is one of
the worlds Large copper Deposits and
if given this Loan I will be able to Prove
it by any Government Geologist by
the 1st of July

Resp

L. H. Startzell

L. H. STARTZELL
RAWLINS, WYOMING

APR 23 1952 AM
BUREAU OF MINES
WASHINGTON, D.C.

Rawlins April 8th

answered 4/30/51
J B D: bd

Defence Minerals Administration

Gentlemen - In your letter of Mar. 20 - you advised you would send me a Form to fill out for a Loan on my Copper Property I havent received it to date.

BUREAU OF MINES
WASHINGTON, D.C.
APR 10 3 27 PM

Respt

L. H. Stutzell

Rawlins

P.O. Box 524 Wyo

P.S. We are rounding up our outfit to go to the Property.

APR 11 1951
LANDON T. 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 1052 X

Date received 5-17-51

Participation

L. H. Stastell
Rawlins
Wyo

Name and address of applicant

Date May 12 - 1951

FILL IN THIS BLOCK

Date of application May 12 - 1951

Estimated cost $50000.

Mineral or metal Copper

Percentage of Government participation $25000

Location of mine 20 miles N of Hanna
Coal Town on Union Pacific RR

Date of filing MF-100 Feb

DMA Docket Number, if available 1052 X

Dma 1052 (Conv.)

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

P56

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 L. H. Stanfell (Signature of authorized official)

May 12 - 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

OFFICE OF

W. L. PIERS

ASSAYER and CHEMIST

TELEPHONE KEYSTONE 7827

1925 ARAPAHOE ST.

DENVER 2, COLO., June 6th 1951.

Mr. L. H. Startzell.

I HAVE ASSAYED YOUR SAMPLES WITH THE FOLLOWING RESULTS PER TON OF 2,000 POUNDS

NO.	MARKED	GOLD ozs.	SILVER ozs.	COPPER per ct.	LEAD per ct.	per ct.	per ct.	TOTAL VALUE	
				35.80				$ 175.	42

Gold at ..... per oz.

Silver at ..... per oz.

Copper at $ 4.90 per unit

Lead at ..... per unit

Charges

$ Paid

W. L. Piers

L. H. Stoffell
Rawlins
WYO
P.O. Drawer 524

P.M. A1052K

OFFICE OF

W. L. PIERS

ASSAYER and CHEMIST

TELEPHONE KEystone 7827

1925 ARAPAHOE ST.

DENVER 2, COLO., June 14th 1951.

Mr. L. H. Startzell.

I HAVE ASSAYED YOUR SAMPLES WITH THE FOLLOWING RESULTS PER TON OF 2,000 POUNDS

NO.	MARKED	GOLD ozs.	SILVER ozs.	COPPER per ct.	LEAD per ct.	per ct.	per ct.	TOTAL VALUE	
		0.02	3.60	40.10				$ 200.	43

Gold at $ 35.00 per oz.

Silver at .90 per oz.

Copper at 4.90 per unit

Lead at ..... per unit

Charges

$ Paid

W. L. Piers

DEPARTMENT OF THE ARMY
Defense Materials Administration
RECEIVED
JUN 18 1951
LANDON F. STROBEL
Executive Secretary

April 26, 1951

Mr. L. H. Startzell
P. O. Drawer 524
Rawlins, Wyoming

Subject: DMA-1052

Re: Exploration loan of $25,000

My dear Mr. Startzell:

Receipt is acknowledged of your application and attachments of April 20, for an Exploration loan under the Defense Production Act of 1950.

The application was assigned docket number 1052 and referred to Mr. J. B. Gowen, Chief, Copper Branch, on April 24.

In any future correspondence relating to your application, kindly refer to DMA-1052.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:bh
Copy to: Strobel(2)
Files
Mr. Gowen
Mr. Lyon

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

April 30, 1951

Re: Docket No. DMA-1052

Mr. L. H. Startzell
Box 524
Rawlins, Wyoming

Dear Mr. Startzell:

This acknowledges receipt your letter of April 20, 1951 transmitting an application for an exploratory project in the amount of $25,000, this being evidently the amount of requested government participation.

We have been unable to give proper consideration to this application because you have furnished very little of the necessary information. For example, you do not say just where the property is, you do not state whether you are the owner or have a lease on it, you do not state whether or not you are able to furnish your share of the estimated cost of the project, which presumably in this case would be $25,000. It is not stated just what work you propose to do or how much it will cost or how long it will take. You indicate that there are millions of tons of measured ore but do not give any information as to the basis for this estimate. You do not state whether there are any mine workings on the property and if so whether they are open for inspection.

I am returning the application herewith and suggest that you read it over carefully, particularly Form MF-103, (Application for Aid for and Exploration Project), and endeavor to answer all of the questions that would be applicable to your project.

The difficulty of completing these forms is fully realized but most of the questions are very important in the consideration of mining exploration projects. If you can furnish the desired information we shall be very glad indeed to give the application prompt consideration.

Very truly yours,

J. B. Gowen

J. B. Gowen, Acting Chief
Copper Branch, DMA

Enclosures

April 30, 1951

Re: Docket No. DMA-1052

Mr. L. H. Startzell
Box 924
Rawlins, Wyoming

Dear Mr. Startzell:

This acknowledges receipt your letter of April 20, 1951 transmitting an application for an exploratory project in the amount of $25,000, this being evidently the amount of requested government participation.

We have been unable to give proper consideration to this application because you have furnished very little of the necessary information. For example, you do not say just where the property is, you do not state whether you are the owner or have a lease on it, you do not state whether or not you are able to furnish your share of the estimated cost of the project, which presumably in this case would be $25,000. It is not stated just what work you propose to do or how much it will cost or how long it will take. You indicate that there are millions of tons of measured ore but do not give any information as to the basis for this estimate. You do not state whether there are any mine workings on the property and if so whether they are open for inspection.

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Very truly yours,

J. B. Gowen

J. B. Gowen, Acting Chief
Copper Branch, DMA

Enclosures
JBGowen:bsl
Copy to: Executive Secretary
Copper Branch
Files

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

May 17, 1951

Re: Docket No. DMA-1052

Mr. L. H. Startzell
Box 524
Rawlins, Wyoming

This acknowledges receipt of your letters of May 3 and May 9, enclosing an application for an exploratory project in the amount of $25,000 of requested government participation. After carefully going over your Forms MF-100 and MF-103 submitted to us, and the information you previously submitted to the Geological Survey we still can find no information concerning the following:

(1) A brief description of your proposed work and the estimated time required to complete it. An example of what we need would be "number of feet of crosscuts, number of feet of drifting, number of feet of raises, etc. Total to be completed in an approximate number of months.

(2) An itemized statement of estimated costs of each item. For example: number of feet of drift to cost how much, number of feet of crosscuts to cost so much, etc.

(3) How much money is applicant prepared to invest in the proposed project. This would be for your share of various expenses other than equipment on hand which will have a rental value to the project.

(4) You state in your letter, that you have "over $25,000 in mining equipment." This statement should be clarified by an itemized list showing value of each class of equipment, such as: so many pieces drill steel -- worth; jack hammer worth; compressor worth, etc. The government will match in cash a fair rental value for equipment used on a project.

Before we can proceed any further with your application it is necessary that we have this information. As soon as it is received we shall be very glad indeed to give the application prompt attention.

Very truly yours,

J. B. Gowen

J. B. Gowen, Acting Chief
Copper Branch, DMA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 2 31951
LANDON F. STROBEL
Executive Secretary

May 17, 1951

Re: Docket No. DMA-105P

Mr. L. M. Startzell
Box 524
Rawlins, Wyoming

This acknowledges receipt of your letters of May 3 and May 9, enclosing an application for an exploratory project in the amount of $25,000 of requested government participation. After carefully going over your Forms MF-100 and MF-103 submitted to us, and the information you previously submitted to the Geological Survey we still can find no information concerning the following:

(1) A brief description of your proposed work and the estimated time required to complete it. An example of what we need would be "number of feet of crosscuts, number of feet of drifting, number of feet of raises, etc. Total to be completed in an approximate number of months.

(2) An itemized statement of estimated costs of each item. For example: number of feet of drift to cost how much, number of feet of crosscuts to cost so much, etc.

(3) How much money is applicant prepared to invest in the proposed project. This would be for your share of various expenses other than equipment on hand which will have a rental value to the project.

(4) You state in your letter, that you have "over $25,000 in mining equipment." This statement should be clarified by an itemized list showing value of each class of equipment, such as: so many pieces drill steel -- worth; jack hammer worth; compressor worth, etc. The government will match in cash a fair rental value for equipment used on a project.

Before we can proceed any further with your application it is necessary that we have this information. As soon as it is received we shall be very glad indeed to give the application prompt attention.

Very truly yours,

J. B. Gowen, Acting Chief
Copper Branch, DMA

DR Mac Laren: pf

Copy to: Executive Officer, DMA Field Team, Region IV, 274 New Customhouse, Denver, Col.
Executive Secretary, DMA
Copper Branch, Room 3423
Files

Rawlins Wyo. May 3, 51

DMA-1052X

Defense Minerals Administration

Gentlemen: I received your letter returning the papers I made application for a $25,000. Loan on my Copper Property you sent me a Form Requesting Information in Regards to what work was done distance to the RailRoad Water Timber ect. I filled out that Form you have that back their. I own this Copper Property it has been idle for 50 years We shiped High grade Copper from their to the Old Argo Smelter in Denver 50 years ago. When the Government wanted Copper I went to the Court House and Filed on this property. and am going up to it and produce copper if the Gov. will make this loan, if they dont I will just valadate the claims I have over 25000 in mining equipment I will use if I had the cash I would not be after a loan as far as filling out these Forms I dont think the Lord could fill them out time is wasting we should be up in the Hills now producing copper. I will write to Senitor Hunt he may be able to straighten this out It is the Gov. that wants the Copper not me If they make the loan I will produce it by the 1st of July - 1951.

Resp

L. H. Startzell

COPY

Rawlins Wyo May 5-51

Defense Minerals Administration

Gentlemen: This will inform you of the conditions and amount of work done at the De Forest Copper property we drove a tunnel in to the Vein 525 ft we cut 100 ft Vein of Red Oxide of copper that was to low grade to ship to the Smelter in the days when we had to haul it to the Rail Road in Wagons We have diferant shafts sunk on the Vein. As I wrote before we were sheep herders and did not know anything about mining The richest Ore their we never stuck a pick in I had to go to arizona to lurn Copper Our idea is to go along this contact Drill and Dymamite up this Red Oxide Pile up this Rich ore then get some of these big copper co. to take over It will take big money to go after that right. I will send you specimens in the near future then you can see that I am not Rong in my statement of the Richness of this ore all the Big Copper Co are on the look out for New copper Deposits as Theirs are about worked out. The United V rde in arazon is worked out. It payed Senitor Clark a million $ a month in its Hay-Day my Pardner Lewis F. Bechan and I have a mining property north of Walcott it carries a little Gold and other minerals I have a Home in Rawlins I could sell for 1800 a $5000 GovernmentBond trucks and mining equipment worth quite a few thousand dollars We have good buildings on our Walcott Property 60 ft Guarge Electric Lights. Bechan has a 11 acre farm with good buildings at Grants Pass - Oregan. I am writing this information to show you we are not Bums. But we are short of cash to go ahead with this Copper Develement. I filled out a form and sent back their giving the distance to R.R. The Government. Built a good Road over the mountain from Hamma Wyo that Runs by Copper Property. The mine is 20 miles North of Hama on the Union Pacific Rail Road We shiped two cars of High Grade copper in the days we were workin from Como to the Arge Smelter We had to haul it in wagons and received 12½¢ for it. Their is a good stand of Timber on the claimes for mine timber a good watter supply.

Respt

L. H Startzell

Rawlins Wyo

P.O. Drawer 524

Res 114-E Buffalo st.

COPY

May 24, 1951

Mr. L. H. Startzell
P. O. Drawer 524
Rawlins, Wyoming

Subject: DMA-1052X
Re: Exploration Loan

My dear Mr. Startzell:

Receipt is acknowledged of your application and attachments of May 12, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1052X and was referred to Mr. J. B. Gowen, Chief, Copper Branch on May 18, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1052X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:mab
cc: Strobel-2
Files
Howen
Lyon

JUL 3 1951

June 28, 1951

Re: Project No. 1052E

Mr. L. R. Cartwell
P. O. Box 524
Casper, Wyoming

Dear Mr. Cartwell:

This is to inform you that your application for aid for an exploration project has been referred to the Field Team for further study. You should hear shortly from Mr. J. R. Hart, Jr., Executive Officer, U. S. Field Team, Room 17, 214 New Customhouse, Denver 2, Colorado.

Very truly yours,

Tom Lynn, Director
Supply Division

J. Kitzik

Copy to: Executive Officer, U. S. Field Team II
Executive Secretary
Administrator's Working File
Coordinating Committee
Mr. R. Gordon ~~2572~~ 2616
Mr. J. Johnson
Mr. Macharon
Files

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

June 28, 1951

Re: Docket DMA 1052X

Mr. L. H. Startzell
P. O. Drawer 524
Rawlins, Wyoming

Dear Mr. Startzell:

This is to inform you that your application for aid for an exploration project has been referred to the field team for further study. You should hear shortly from Mr. J. H. East, Jr., Executive Officer, DMA Field Team, Region IV, 224 New Customhouse, Denver 2, Colorado.

Very truly yours,

Tom Lyon, Director
Supply Division

JWAlt:pk

Copy to: Executive Officer, DMA Field Team IV
Executive Secretary
Administrator's Reading File
Coordinating Committee
J. B. Gowen
C. J. Johnson
D. MacLaren
Files

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

June 28, 1951

Re: Docket [illegible] 10521

Mr. L. H. Startzell
[illegible] Drawer 524
Rawlins, Wyoming

Dear Mr. Startzell:

This is to inform you that your application for aid for an exploration project has been referred to the field team for further study. You should hear shortly from Mr. J. H. East, Jr., Executive Officer, DMA Field Team, Region IV, 224 New Customhouse, Denver 2, Colorado.

Very truly yours,

Tom Lyon, Director
Supply Division

JWAlt:pk

Copy to: Executive Officer, DMA Field Team IV
Executive Secretary
Administrator's Reading File
Coordinating Committee
J. B. Gowen
C. J. Johnson
D. MacLaren
Files

Mr. Gowen
Rm. 2612

July 9, 1951

Re: Docket No. DMA-1052X

Mr. L. N. Startzell
P. O. Drawer 524
Rawlins, Wyoming

Dear Mr. Startzell:

This is to acknowledge your letters of June 7, 1951 and June 30, 1951 addressed to the Defense Minerals Administration and which were referred to the Copper Branch for reply.

It is evident that your letter of June 30, 1951 has crossed in the mails with Mr. Lyon's letter to you of June 28, 1951 notifying you that your application has been referred to the Defense Minerals Administration Field Team, Region IV, Denver, Colorado for further investigation.

Very truly yours,

J. B. Gowen, Acting Chief
Copper Branch, DMA

RVWaugh:ex

Copy to: Field Team IV, w.c.i.
Reports and Records Branch, w.c.i.
Copper Branch, w.c.i.
Files

Rawlins June 30, 51

Defense Minerals Administration

Gentlemen - I have not had a line from the Copper Branch since you turned my application for a loan over to them I have sent them a sample of ore and also assayes showing 40% copper the ore carries Gold and silver It looks strange that the D. M. A. is going to send prospectors out looking for Stragic minerals and a outfit that has it cant get a loan to Develop it I can sell this property to the Kennecott outfit. If we can Develope it a little more.

Resp.

L. H. Startzell
Rawlins,
P.O. Drawer 524 Wyo

DMA-1052

COPY

DMA-1052X Rawlins June 7 - 51

Defense Minerals Administration

Dear Sir: I have 4 men I had hired up to take up to this Copper property to work My Pardner and myself make 6 If you arenot going to make this loan kindly advise. So these men can go to other jobs and I will make different arrangements I am not going to use my mining equipment and pay these men wages also feed them this High Priced Gent unless I did get this loan.

Kindly advise Pronto.

Respt.
L. H. Startzell
Rawlins
P. O. Drawer Wyo
524

DMA-
Form 1052X

COPY

Helen — Pls put in the Notify file

March 5, 1951

Hon. Lester C. Hunt
United States Senate
Washington 25, D. C.

My dear Senator Hunt:

I have read the attached letter from Leon Startzell, of Rawlins, Wyoming. From the information contained in this letter, I believe that Mr. Startzell's proposition would fall under the exploration division of the Defense Minerals Administration. The blanks for making application are not yet available, but we expect to have them some time this week. When such blanks are available, we will be glad to furnish you with any number you wish, or send them direct to Mr. Startzell, whichever way you choose.

Sincerely yours,

JAMES BOYD

Administrator

TLyon/apd

cc: Administrator
Deputy Administrator
Executive Secretary
Director, Supply Division
Copper Commodity Committee
Files

Since our transcription, has rec'd from Sen Hunt the appl forms Mr Startzell asked for. Sent them to him and he sent them back w. appl for $25,000.

C
O
P
Y

Lester C. Hunt
Wyoming

February 26, 1951

Dear Doctor Boyd:

I am enclosing a copy of a letter received from Mr. Leon H. Startzell who is interested in making application for a copper claim development loan.

Shall appreciate it if you will advise me the procedure for submitting such applications, and a set of any forms which may be available for this purpose.

With kindest regards, I am

Sincerely yours,

/S/ Lester C. Hunt
United States Senator

C
O
P
Y

Rawlins, Wyoming
February 9, 1951

Senator Hunt:

Dear Sir:

Fifty years ago there was a bunch of us sheep herders found copper outcrop in the Freze out mountains. We dug out two cars from Grass Roots of high grade copper and shipped to the old Argo Smelter at Denver. This copper was 68% and figure this will be a big deposit of high grade copper if properly developed. There are nine claims all surveyed and recorded at the County Clerks office here at Rawlins. I have relocated these claims and intend to open up this ore this summer. If I can get a small loan from the Government of $25,000 (Twenty five thousand) I can send samples of rich copper ore. I am the last of the old bunch. This ore is 20 miles from the U.P.R.R. Good transfer for mining purposes.

Will you kindsly advise me who or what Department to contact in regards to a loan. Reference any bank in Rawlins or the Post Master. Thanking you for any information you can give me.

Respectfully,

/s/ Leon H. Startzell
P. O. Drawer 524
Rawlins, Wyoming

P.S. I can give fuller details and furnish ore samples. I have worked in the big copper mines of Amazon so am qualified to judge the property.

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

March 5, 1951

Hon. Lester C. Hunt
United States Senate
Washington 25, D. C.

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Sincerely yours,

JAMES BOYD

Administrator

TLyon/apd

cc: Administrator
Deputy Administrator
Executive Secretary
Director, Supply Division
Files

LESTER C. HUNT
WYOMING

JOHN P. STROBEL

COMMITTEES:
Armed Services
Interstate and Foreign Commerce
District of Columbia

United States Senate
WASHINGTON, D. C.

February 26, 1951

BUREAU OF MINES
WASHINGTON, D.C.
FEB 28 12 54 PM '51

Dear Doctor Boyd:

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With kindest regards, I am

Sincerely yours,

Lester C. Hunt

LESTER C. HUNT
United States Senator

Dr. James Boyd, Administrator
Defense Minerals Administration
Department of the Interior
Washington, D. C.

s

MAR 1 1951
Give Mr. Boyd reply for sig.

GORDON B. DINSDALE
BUREAU OF MINES
12 37

installation
ns a fund
I wish we
the North
All the ship Very
ter to the Argo a
Sol This copper Rock over to Jo
other mineral It is not a
pure straight Copper - Red Oxide
Once to have been seeing
a lot of copper
these claims (?)
their this summer
Not Separate! We don't
for that One as it is
Chief Roots We have our own
4 Tons Truck also mining

This is a [illegible] Dear [illegible] and
[illegible] to contact My intentions are to
[illegible] around this contact [illegible] small
[illegible] Pile this copper [illegible] then let
[illegible] people take the [illegible] Some other
[illegible] outfit take over. The prospector
[illegible] first the copper company that
[illegible] real money develope it I can
[illegible] harder now as I have [illegible]
[illegible] big bigger names [illegible]
[illegible] I am considered [illegible]
[illegible] There is a lot of [illegible]
[illegible] Although [illegible]
[illegible] This [illegible]
[illegible] will [illegible]

[illegible] interest [illegible] and you
[illegible] summer oil

that will run over 80 % to Copper
If we can get a Loan of $25000. Twenty
five Thousand $ from the Goverment
We will be able to Repay it before
Next winter Neither my Partner and
I use Booze in any Shape We really
wish to Develope this property as soon
can get out next fall or this
Summer with a good Profit besides
Helping out the shortage. Any Bank
in Rawlins or the Postmaster Has
Will Vouch for me or any business
man. We have got to build some
buildings But we will build
them Ourselfs All we Need is the
material This is Just a Hell of a
Price of
L.S. of dust

Bacon Beans and Prunes today than
when we moved there 50 years ago
It was just a field there Feb of
water and Timber on our own ground
These of claims we [illegible] and
Recorded at the [illegible] office
of Carbon Co Rawlins [illegible]
Wyo

[illegible]

WYO

P.C.