UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
So. 157 Howard Street
Spokane 4, Washington

DMEA-2442
Lead, Zinc

July 26, 1952

Memorandum

To: Operating Committee, DMEA

From: DMEA Field Team, Region II

Subject: Application of Midvale Mining Company, 407 Lloyd Building Seattle 1, Washington

Attached is a report by S. Warren Hobbs relative to the subject application which is for exploration of a property in the Coeur d'Alene district, Shoshone County, Idaho. Mr. Hobbs states that although he cannot recommend the application on the basis of past history and geological considerations, neither can he definitely state that exploration possibilities do not exist. The Field Team therefore feels that the application should be denied, but the applicant should be informed that his application could be reconsidered if he could present stronger evidence concerning the possibilities of finding ore in the area under consideration.

By DMEA Field Team, Region II

A. E. Weissenborn, Exec. Officer
(U. S. Geological Survey)

M. E. Volin, Member
(U. S. Bureau of Mines)

Enclosures 1 (in quad.)
cc: USBM (2)
USGS (SRO)
S. Warren Hobbs

AUG 4 1952

NON-PRIVILEGED DOCUMENT

TO BE PHOTOCOPIED AND PRODUCED

DO NOT CODE

BATES NO. USGSP00000403

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

So. 157 Howard Street
Spokane 4, Washington

July 22, 1952

Memorandum

To: A. E. Weissenborn, Exec. Officer, DMEA Field Team, Region II

From: S. Warren Hobbs, Geologist, U. S. Geological Survey

Subject: Midvale Mining Company application

We have carefully reviewed the application of the Midvale Mining Company and the geological reports that accompanied it. We have also reviewed the project in the light of our own geological information gathered during the course of the Geological Survey work in the Coeur d'Alene mining district. On the basis of all this information, it is necessary to conclude that the chances of finding an ore body in the area proposed for exploration are not too encouraging.

A report made for the Midvale Company by Philip Lindstrom of the Hecla Mining Company geological staff concludes with this statement:

> "The property of the Midvale Mining Company is well enough developed to preclude the possibility of ore bodies being opened up on the westerly extension of the Anchor and Diamond Hitch veins. A deep development program in the quartzite at the west end might be warranted had there been more encouraging mineralization in either of the Anchor tunnels or in the Galena 600 level under the Seattle claim. The area has been completely crossed several times by mine workings and diamond drill holes.
>
> "I would like to have seen the lower levels that are now flooded, but they were probably discouraging or more work would have been done.
>
> "The large amount of argillite on the Galena dump is not encouraging.

Reviewed by
DMEA OPERATING COMMITTEE
8-8-52
(date)

"Perhaps a blind diamond drill hole in each wall of the west drift in the Anchor No. 2 tunnel on the Anchor vein should have been drilled, but they could hardly be justified as other than wildcat holes. There is a chance, though small, that a faulted segment of the vein might be found."

The general area of the property has be n studied by Allan Griggs of the Geological Survey and his ideas are not too different from Lindstrom's, namely, that the Standard fault is essentially a pre-mineral structure that acted as a dam to mineralizing solutions rather than being a post mineral fault that offset the vein, thereby leaving an as yet undiscovered segment to the east. Also he believes that the veins and shear zones in the Midvale property are more closely related to the Hecla vein system than to the structures to the west. As such, they have been pretty thoroughly tested without finding much sulfide mineralization. The objective of the application, however, is to test the west end of the area--that is, the area between the Anchor-West Hecla workings and the Standard fault. This is the block of ground that has not been thoroughly probed and in which a possible faulted segment of the Standard-Mammouth might be found. We are not presuming to insist that such a faulted segment could not be present; we are merely pointing out that the consensus of geological opinion is against it. Were this consensus to be proved wrong, and it could be, a faulted segment would be extremely important because the ore shoot was its thickest and richest right against the fault, and consequently the segment should be comparable, provided that the fault was predominently post ore. A further uncertainty in the search for the faulted segment from the Midvale workings is the position of the Standard fault in this area. As shown on the map prepared by Lindstrom it is quite close to the Anchor workings; Griggs places it much farther southwest and thus increases the size of the unexplored block of ground.

In all fairness, it should be pointed out that the Midvale property occurs along the south edge of the great productive ore zone that includes such large producing (or past productive) mines as the Hecla, Tiger-Poorman, Standard-Mammouth, Sherman, Tamarack and others. As such it has a favorable location. On the other hand, the ground has been fairly well opened by the drifts, crosscuts and diamond drill holes without finding much to encourage further work.

The program as outlined by the company is relatively small, but it is valid exploration in search of the answer to a geologic question that has intrigued mining people in the district for many years, namely, is there a faulted extension of the Standard-Mammouth vein? The chances for finding such are slight, but the stakes are high.

The applicant company is backed by sound business men, although with little mining experience. They have, however, sought competent advice in the past and will, we feel sure, rely on competent men to carry out any work in the future.

Whereas we can't highly recommend the application on the basis of past history and geological considerations, the area is not without merit and a final decision must be based on an evaluation of risk as compared to need.

S. Warren Hobbs
Geologist

cc: DMEA (3)
USBM (2)
USGS (SRO)
S. Warren Hobbs

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

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

Not To Be Filled in by Applicant

Docket No. DMEA-2442
Metal or Mineral
Date Received 3-25-52
Amount $
Participation (Government %)

RECEIVED MAR 25 1952 Defense Minerals Administration

Midvale Mining Company
407 - Lloyd Building
Seattle 1 Washington

Name and address of applicant

Date March 17, 1952

If you have already filed MF-100, give date filed Not filed, type of assistance requested ,

DMA Docket Number (if available)

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*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*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

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

   NOTE: (1) 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 (*c*) 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.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list 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.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

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

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.

Midvale Mining Company
(Name of company)

By R. H. Bailey
(Signature of authorized official)
R. H. Bailey

March 17, 1952
(Date)

President
(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—64067-2

NON-PRIVILEGED DOCUMENT

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BATES NO. USGSP0000903

Supplementary to Form MF-103

Midvale Mining Company
Lloyd Building, Seattle 1 Wash.

1. (a) We are the owners of the following patented lode mining claims located in the Lelande Mining District adjacent to the Town of Burke, Shoshone County, Idaho.

Bamboo Chief lode,	mineral	survey	number	1621
Ruby lode,	"	"	"	2324
Ophir lode,	"	"	"	2324
Anchor lode,	"	"	"	1279
Seattle lode,	"	"	"	1279
Bonanza lode,	"	"	"	1279
Silver-Queen lode,	"	"	"	1279
Diamond-Hitch lode,	"	"	"	633
Liebes Fraction lode,	"	"	"	1271
Wellington lode,	"	"	"	1230
Wellington Frac. lode	"	"	"	1884

(b) We have unencumbered title to above claims.

(c) The Anchor, Silver-Queen and Bonanza lode claims.

2. (a) Lead, zinc and silver.

(b) We are working on the theory that the Anchor vein is the extension of the Hecla vein thru our property. Also, that the minor fault in the Anchor claim has shifted the Hecla-Anchor vein to the South on the West side of this fault, as shown by old map dated October 1910 and our recent map of the property.

Many geologists believe that the Hecla-Anchor vein and the Standard-Mammoth are the same vein. We incline to this theory and expect to locate the Westerly extension of the Hecla-Anchor vein in the Silver-Queen claim. We believe that this vein will be faulted section of the Standard-Mammoth vein to the East of the Standard Fault. The Standard Fault cut off the Standard-Mammoth vein in a full face of ore and we expect to find this faulted section of the ore shoot in the Silver-Queen vein.

The theory outlined above has never been explored. The Banner Crosscut from the Campbell Tunnel ends 100 feet short of this theoretical objective.

Geological Report by Philip Lindstrom, geologist with the Hecla Mine, is enclosed. Mr. Lindstrom believes that the West portion of our West drift on the Hecla-Anchor vein, is actually not on the vein but has been following a stringer.

We would like to have Mr. Lindstrom's report returned.

3. (a) We propose to install a deisel driven air compressor of 315 cubic foot per minute capacity, to be used equipment, cost in place of $5,000.00

We will buy 2,500 feet of new, three inch, black pipe if available at a cost of $2,000.00. If not available, we will buy or rent used pipe.

We will clean out the caved material in the Anchor Tunnel and the West Drift therefrom and lay the pipe from the compressor located at the portal of the Anchor Tunnel to the Western portion of the West Drift, at an estimated cost of $5,000.00

We will then let a contract for the diamond drilling of five holes from the Western portion of the West Drift, two holes to the South and two holes to the North, these four holes having average lengths of 400 feet, and one hole to the Northwest into the Bonanza Claim 600 feet in length or a total of 2,200 feet of diamond drill hole to be drilled in the horizon of the West Drift - and at a contract price of $5.00 per foot with driller furnishing deisel oil and all supplies or a total of $11,000.00

We would then propose to drill 2,800 feet of diamond drill holes inclined to crosscut the veins, which are located by the previous contract, at a greater depth. Estimated cost $14,000.00

Conditioned on our locating veins with an ore showing through the above proposed diamond drilling, we would crosscut to the vein and drift on the ore, estimated cost $20.00 per foot for 500 feet or total of $10,000.00

We would allow $2,000.00 for services of geologist to supervise work and for auditor's services in keeping the records.

Total cost as enumerated above $50,000.00

(b) We would start this work as early in the Summer of 1952 as possible. The entire program of exploration would be completed during 1952 if started before July 1, 1952.

Supplementary to Form MF-103 Midvale Mining Company
Lloyd Bldg., Seattle 1 Wash.

5. We have no facilities except the Anchor Tunnel and the West Drift therefrom which make it possible to get drill set-ups within reach of the objective.

The Anchor Tunnel and West Drift were open for their full length four years ago. There was only one bad cave at the time the tunnel and drift were cleaned up -- this being a cave about half way back on the Anchor Tunnel. This cave was caught up with heavy timbers and should be in good shape. Our estimate of the cost of opening the tunnel and drift and laying the compressed air line, is high to be safe, but we expect to find that we can do this work for half the estimate.

We have rails in the Anchor tunnel and part way in the West Drift. We also have a mine car for use in the clean up work. We have some two and two and one-half inch pipe in the tunnel but we are doubtful of its condition and have therefore estimated the cost of all new pipe.

Supplementary to Form MF-103

Midvale Mining Company
Lloyd Bldg., Seattle 1 Wash.

6. 315 cubic foot, deisel engine driven air commpressor, used but fully overhauled at cost of $5,000.00 delivered at Burke, Idaho.

We will buy 2,500 feet of three inch black pipe to deliver air from the compressor located at the portal of the Anchor tunnel, to the West end of the West Drift. If three inch pipe is not available, we could use 2½ inch pipe or even two inch pipe. If none of these sizes are available, then we would rent pipe. The cost of 2,500 feet of three inch black pipe would be eighty cents per foot or $2,000.00 delivered at Burke, Idaho to the tunnel portal.

No building would be necessary except one of the small buildings near the tunnel portal for use as a change room for the men.

Supplementary to MF-103 Midvale Mining Company
Lloyd Bldg., Seattle 1 Wash.

7. (a) No equipment to be rented if it is available for purchase.

(b) We will purchase 315- cubic foot per minute capacity diesel driven used air compressor completely overhauled, Cost $5,000.00 delivered.

We will purchase, if available, 2,500 lineal feet of three inch standard black pipe. To be rented if not available for purchase. Cost $2,000.00 delivered to mine.

(c) No equipment furnished by us will be charged as a cost of the project as rental, purchase price, or depreciation. We only have rails in tunnel and ore car and a building fo use as a change room for the men.

Supplementary to Form MF-103

Midvale Mining Company
Lloyd Bldg., Seattle 1 Wash.

8. We would hire two men, preferably men who worked for us before, to clean out the tunnel. We would pay them $1.60 per hour.

We would contract with the diamond driller to install the pipe line with the help of our two men, the diamond driller to give supervision as part of his contract for the drilling on a footage price of not to exceed $5,00 per foot of hole drilled with the driller furnishing fuel oil and lubricating oil for the compressor engine.

We would employ Mr. Philip Lindstrom on a part time basis to supervise the diamond drilling. Mr. Lindstrom lives at Burke and does this same type of work as geologist for the Hecla Mine. We would pay Mr. Lindstrom or other man in his supervisory position on this job, a maximum of $1,000.00 for directing the diamond drill work and $500.00 additional if we find an ore-body and drive a cross-cut to the ore.

We would pay an auditor for supervising the book keeping and certifying in his audit, not to exceed $500.00

We would expect to contract the driving of a cross-cut to the ore-body at not to exceed $20.00 per lineal foot with the contractor paying for fuel and upkeep of the compressor.

Supplementary to Form MF-103

Midvale Mining Company
Lloyd Bldg., Seattle 1 Wash.

9. We have provided everything except assaying which we would expect Mr. Lindstrom to have done and that we would pay him as part of his bill.

Supplemetary to Form MF-103

Midvale Mining Company
Lloyd Bldg., Seattle 1 Wash.

10. (a) We are prepared to invest $25,000.00 in the proposed project.

(b) Yes.

11. We have no further statement as to the project.

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

So. 157 Howard Street
Spokane 4, Washington

July 26, 1952

Memorandum

To: Operating Committee, DMEA

From: DMEA Field Team, Region II

Subject: Application of Midvale Mining Company, 407 Lloyd Building, Seattle 1, Washington

Attached is a report by S. Warren Hobbs relative to the subject application which is for exploration of a property in the Coeur d'Alene district, Shoshone County, Idaho. Mr. Hobbs states that although he cannot recommend the application on the basis of past history and geological considerations, neither can he definitely state that exploration possibilities do not exist. The Field Team therefore feels that the application should be denied, but the applicant should be informed that his application could be reconsidered if he could present stronger evidence concerning the possibilities of finding ore in the area under consideration.

By DMEA Field Team, Region II

A. E. Weissenborn, Exec. Officer
(U. S. Geological Survey)

M. E. Volin, Member
(U. S. Bureau of Mines)

Enclosures 1 (in quad.)
cc: USBM (2)
USGS (SRO)
S.Warren Hobbs

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
AUG 4 1952

Docket

FILE COPY
SURNAME:

500

Corbett
Keller
Lemmon
Johnson
Selfridge

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

Mr. R. K. Bailey, President
Midvale Mining Company
407 Lloyd Building
Seattle 1, Washington

AUG 21 1952

Dear Mr. Bailey:

Reference is made to your application, Docket No. DMEA-2442, for Government assistance in the exploration of your property.

A study of the available data indicates that the possibility of finding significant bodies of ore in the area you wish to prospect is too poor to warrant the expenditure of public funds. We regret to advise you, therefore, that your application is denied.

Your interest in the defense program is appreciated, and we wish to thank you for bringing your property to the attention of the Government.

Sincerely yours,

C. O. Mittendorf (fw) 8/21

Acting Administrator

FXCorbett/mb
August 18, 1952
cc to: Docket
Adm. Reading File
Operating Committee
Mr. Keller (2)
Mr. Corbett
Mr. Bishop
Mr. McKnight
Region II (2)
Chron

Docket

500
FILE COPY
SURNAME:

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

Moulds (ref)
Frank Johnson

MAY 16 1952

Mr. A. E. Weissenborn
Executive Officer, Region II
DMEA Field Team
South 157 Howard Street
Spokane 8, Washington

Re: Docket No. DMEA 2442
Midvale Mining Company
Lead-Zinc

Dear Mr. Weissenborn:

With reference to your letter of transmittal on the subject docket in which you state that you have retained the only copy of a report and map by Philip Lindstrom; we are advising Mr. Bailey that a field examination will be made by your office.

Sincerely yours,

(signed) FRANK E. JOHNSON

Chairman, Operating Committee
Defense Minerals Exploration
Administration

F.N.
5-16-52

APPROVED:

J. H. Hedges

Member, Bureau of Mines (NB)

D. M. Lemmon

Member, Geological Survey (NB)

DEMoulds/hmj
5-13-52
CC to: Adm. Reading File
Docket File Copy
Operating Committee
Mr. Bishop
Mr. McKnight
Mr. Moulds

Docket 500
FILE COPY
SURNAME:

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

Moulds
Hedges
Johnson

MAY 16 1952

Mr. R. H. Bailey, President
Midvale Mining Company
407 Lloyd Building
Seattle 1, Washington

Re: Docket No. DMEA 2442
Exploration Project

Dear Mr. Bailey:

Your application for Government assistance to explore your property, Docket No. DMEA 2442, has been reviewed by the Base Metals Division of the DMEA, and has been referred to Mr. A. E. Weissenborn, Executive Officer, Region II, DMEA Field Team, South 157 Howard Street, Spokane 4, Washington, for a field examination.

The Region office will contact you at the earliest opportunity in regard to your project.

Sincerely yours,

D. E. Moulds (mef)

D. E. Moulds, Chief
Base Metals Division
Defense Minerals Exploration
Administration

F.N. 5-16-52

DEMoulds/hmj
5-13-52
ØC to: Adm. Reading File
Docket File Copy
Region II
Mr. Moulds

EXPLORATION

Subject: DMEA-2442
Re: Exploration Loan
West Hecla and Anchor Groups
March 25, 1952

Mr. R. H. Bailey, President
Midvale Mining Company
407 Lloyd Building
Seattle 1, Washington

My dear Mr. Bailey:

This will acknowledge receipt of your application dated March 17, 1952 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2442 and referred to the Base Metals Division.

Kindly refer to DMEA-2442 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Acting Administrative Officer

7862

DMEA-2442

OFFICE OF THE ADMINISTRATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

WASHINGTON 25, D. C.

So. 157 Howard Street
Spokane 4, Washington

March 19, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 2 1952

Mr. Frank E. Johnson
Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of Interior
Washington 25, D. C.

Dear Mr. Johnson:

We are transmitting herewith three copies of MF-103 submitted by the Midvale Mining Company in application for an exploration loan. One copy of the application is being held for our study and evaluation. No MF-100 was submitted and if you consider this form essential for the application, we will gladly request the company to prepare the forms.

Only one copy of the report and map by Philip Lindstrom, mentioned in the application, was submitted. We have kept this report for our use until additional copies can be obtained at which time we will send them to you.

Sincerely yours,

A. E. Weissenborn

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures
cc: USBM, Spokane

Rec'd 3 copies MF-100 in R & R, 3-25-52.

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

So. 157 Howard Street
Spokane 4, Washington

March 19, 1952

Mr. Frank H. Johnson
Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of Interior
Washington 25, D. C.

Dear Mr. Johnson:

We are transmitting herewith three copies of MF-105 submitted by the Midvale Mining Company in application for an exploration loan. One copy of the application is being held for our study and evaluation. No MF-100 was submitted and if you consider this form essential for the application, we will gladly request the company to prepare the forms.

Only one copy of the report and map by Philip Lindstrom, mentioned in the application, was submitted. We have kept this report for our use until additional copies can be obtained at which time we will send them to you.

Sincerely yours,

A. H. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures
cc: UMM, Spokane

Rec'd 3 copies MF-100 in R & R, 3-25-52.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

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

Not To Be Filled in by Applicant

Docket No. DMEA-2442
Metal or Mineral
Date Received 3-25-52
Amount $
Participation (Government %)

Name and address of applicant

Midvale Mining Company
407 - Lloyd Building
Seattle 1 Washington

MAR 2 1952

Date March 17, 1952

If you have already filed MF-100, give date filed Not filed, type of assistance requested ,

DMA Docket Number (if available)

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*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*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

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   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list 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.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

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

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.

Midvale Mining Company
(Name of company)

By R. H. Bailey
(Signature of authorized official)

R. H. Bailey

March 17, 1952
(Date)

President
(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—64067-2

NON-PRIVILEGED DOCUMENT

TO BE PHOTOCOPIED AND PRODUCED

DO NOT CODE

BATES NO. USGSP00000403

Supplementary to Form MP-103

Midvale Mining Company
Lloyd Building, Seattle 1 Wash.

1. (a) We are the owners of the following patented lode mining claims located in the Lelande Mining District adjacent to the Town of Burke, Shoshone County, Idaho.

Bamboo Chief lode,	mineral	survey	number	1621
Ruby lode,	"	"	"	2324
Ophir lode,	"	"	"	2324
Anchor lode,	"	"	"	1279
Seattle lode,	"	"	"	1279
Bonanza lode,	"	"	"	1279
Silver-Queen lode,	"	"	"	1279
Diamond-Hitch lode,	"	"	"	633
Liebes Fraction lode,	"	"	"	1271
Wellington lode,	"	"	"	1230
Wellington Frac. lode	"	"	"	1884

(b) We have unencumbered title to above claims.

(c) The Anchor, Silver-Queen and Bonanza lode claims.

2. (a) Lead, zinc and silver.

(b) We are working on the theory that the Anchor vein is the extension of the Hecla vein thru our property. Also, that the minor fault in the Anchor claim has shifted the Hecla-Anchor vein to the South on the West side of this fault, as shown by old map dated October 1910 and our recent map of the property.

Many geologists believe that the Hecla-Anchor vein and the Standard-Mammoth are the same vein. We incline to this theory and expect to locate the Westerly extension of the Hecla-Anchor vein in the Silver-Queen claim. We believe that this vein will be faulted section of the Standard-Mammoth vein to the East of the Standard Fault. The Standard Fault cut off the Standard-Mammoth vein in a full face of ore and we expect to find this faulted section of the ore shoot in the Silver-Queen vein.

The theory outlined above has never been explored. The Banner Crosscut from the Campbell Tunnel ends 100 feet short of this theoretical objective.

Geological Report by Philip Lindstrom, geologist with the Hecla Mine, is enclosed. Mr. Lindstrom believes that the West portion of our West drift on the Hecla-Anchor vein, is actually not on the vein but has been following a stringer.

We would like to have Mr. Lindstrom's report returned.

3. (a) We propose to install a deisel driven air compressor of 315 cubic foot per minute capacity, to be used equipment, cost in place of $5,000.00

We will buy 2,500 feet of new, three inch, black pipe if available at a cost of $2,000.00. If not available, we will buy or rent used pipe.

We will clean out the caved material in the Anchor Tunnel and the West Drift therefrom and lay the pipe from the compressor located at the portal of the Anchor Tunnel to the Western portion of the West Drift, at an estimated cost of $5,000.00

We will then let a contract for the diamond drilling of five holes from the Western portion of the West Drift, two holes to the South and two holes to the North, these four holes having average lengths of 400 feet, and one hole to the Northwest into the Bonanza Claim 600 feet in length or a total of 2,200 feet of diamond drill hole to be drilled in the horizon of the West Drift - and at a contract price of $5.00 per foot with driller furnishing deisel oil and all supplies or a total of $11,000.00

We would then propose to drill 2,800 feet of diamond drill holes inclined to crosscut the veins, which are located by the previous contract, at a greater depth. Estimated cost $14,000.00

Conditioned on our locating veins with an ore showing through the above proposed diamond drilling, we would crosscut to the vein and drift on the ore, estimated cost $20.00 per foot for 500 feet or total of $10,000.00

We would allow $3,000.00 for services of geologist to supervise work and for auditor's services in keeping the records.

Total cost as enumerated above $50,000.00

(b) We would start this work as early in the Summer of 1952 as possible. The entire program of exploration would be completed during 1952 if started before July 1, 1952.

Supplementary to Form MF-103 Midvale Mining Company
Lloyd Bldg., Seattle 1 Wash.

5. We have no facilities except the Anchor Tunnel and the West Drift therefrom which make it possible to get drill set-ups within reach of the objective.

The Anchor Tunnel and West Drift were open for their full length four years ago. There was only one bad cave at the time the tunnel and drift were cleaned up -- this being a cave about half way back on the Anchor Tunnel. This cave was caught up with heavy timbers and should be in good shape. Our estimate of the cost of opening the tunnel and drift and laying the compressed air line, is high to be safe, but we expect to find that we can do this work for half the estimate.

We have rails in the Anchor tunnel and part way in the West Drift. We also have a mine car for use in the clean up work. We have some two and two and one-half inch pipe in the tunnel but we are doubtful of its condition and have therefore estimated the cost of all new pipe.

Supplementary to Form RP-103 Midvale Mining Company
Lloyd Bldg., Seattle 1 Wash.

6. 515 cubic foot, deisel engine driven air compressor, used but fully overhauled at cost of $5,000.00 delivered at Burke, Idaho.

We will buy 2,500 feet of three inch black pipe to deliver air from the compressor located at the portal of the Anchor tunnel, to the East end of the West Drift. If three inch pipe is not available, we could use 3½ inch pipe or even two inch pipe. If none of these sizes are available, then we would rent pipe. The cost of 2,500 feet of three inch black pipe would be eighty cents per foot or $2,000.00 delivered at Burke, Idaho to the tunnel portal.

No building would be necessary except one of the small buildings near the tunnel portal for use as a change room for the men.

Supplementary to MP-103 Midvale Mining Company
Lloyd Bldg., Seattle 1 Wash.

7. (a) No equipment to be rented if it is available for purchase.

(b) We will purchase 315- cubic foot per minute capacity diesel driven used air compressor completely overhauled. Cost $5,000.00 delivered.

We will purchase, if available, 2,500 lineal feet of three inch standard black pipe. To be rented if not available for purchase. Cost $2,000.00 delivered to mine.

(c) No equipment furnished by us will be charged as a cost of the project as rental, purchase price, or depreciation. We only have rails in tunnel and ore car and a building for use as a change room for the men.

Supplementary to Form MP-103

Midvale Mining Company
Lloyd Bldg., Seattle 1 Wash.

8. We would hire two men, preferably men who worked for us before, to clean out the tunnel. We would pay them $1.60 per hour.

We would contract with the diamond driller to install the pipe line with the help of our two men, the diamond driller to give supervision as part of his contract for the drilling on a footage price of not to exceed $5.00 per foot of hole drilled with the driller furnishing fuel oil and lubricating oil for the compressor engine.

We would employ Mr. Philip Lindstrom on a part time basis to supervise the diamond drilling. Mr. Lindstrom lives at Burke and does this same type of work as geologist for the Hecla Mine. We would pay Mr. Lindstrom or other man in his supervisory position on this job, a maximum of $1,000.00 for directing the diamond drill work and $500.00 additional if we find an ore-body and drive a cross-cut to the ore.

We would pay an auditor for supervising the book keeping and certifying in his audit, not to exceed $500.00

We would expect to contract the driving of a cross-cut to the ore-body at not to exceed $20.00 per lineal foot with the contractor paying for fuel and upkeep of the compressor.

Supplementary to Form MF-103

Midvale Mining Company
Lloyd Bldg., Seattle 1 Wash.

9. We have provided everything except assaying which we would expect Mr. Lindstrom to have done and that we would pay him as part of his bill.

Supplemetary to Form MF-103

Midvale Mining Company
Lloyd Bldg., Seattle 1 Wash.

10. (a) We are prepared to invest $25,000.00 in the proposed project.

(b) Yes.

11. We have no further statement as to the project.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

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

Not To Be Filled in by Applicant

Docket No. DMEA-2442
Metal or Mineral
Date Received 3-25-52
Amount $
Participation (Government %)

RECEIVED MAR 2 1952 Defense Minerals Administration

Midvale Mining Company
407 - Lloyd Building
Seattle 1 Washington

Name and address of applicant

Date March 17, 1952

If you have already filed MF-100, give date filed Not filed, type of assistance requested ,

DMA Docket Number (if available)

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*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*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

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

   NOTE: (1) 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 (*c*) 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.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list 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.

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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.

Midvale Mining Company
(Name of company)

By R. H. Bailey
(Signature of authorized official)

R. H. Bailey

March 17, 1952
(Date)

President
(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—64067-2

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BATES NO. USGSP0000403

Supplementary to Form MF-103 Midvale Mining Company
Lloyd Building, Seattle 1 Wash.

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Silver-Queen lode,	"	"	"	1279
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Wellington lode,	"	"	"	1230
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(b) We have unencumbered title to above claims.

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Total cost as enumerated above $50,000.00

(b) We would start this work as early in the Summer of 1952 as possible. The entire program of exploration would be completed during 1952 if started before July 1, 1952.

Supplementary to Form MF-103 Midvale Mining Company
Lloyd Bldg., Seattle 1 Wash.

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Supplementary to MF-103 Midvale Mining Company
Lloyd Bldg., Seattle 1 Wash.

7. (a) No equipment to be rented if it is available for purchase.

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Supplementary to Form MF-103 Midvale Mining Company
Lloyd Bldg., Seattle 1 Wash.

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Supplementary to Form MF-103

Midvale Mining Company
Lloyd Bldg., Seattle 1 Wash.

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Supplemetary to Form MF-103

Midvale Mining Company
Lloyd Bldg., Seattle 1 Wash.

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(b) Yes.

11. We have no further statement as to the project.