DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 793

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EXPLORATION PROJECT

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Routing Slip

To:	~~Base Metals Br.~~	Date	11/19/51
To:	F.L. KNOUSE	Date	11-20-51
To:	E.T. McKnight	Date	11-21-51
To:		Date	
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INT.-DUP. SEC., WASH., D.C. 98868

IN REPLY REFER TO:

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

December 3, 1951
Re: DMA-793
Pass Creek Mine
Gallatin County, Montana
Exploration loan, $40,000
Lead, zinc

Memorandum

To: Mr. C. O. Mittendorf

From: Mr. E. L. Newcomb

Subject: Geological Recommendation

The subject property was examined by a field engineer and the field team has recommended a denial of the application. They consider the exploration proposal has merit, but that the applicant is incompetent to direct the project.

A review of the application and the field report indicates that the ore occurs in a strongly sheared zone which would be difficult to follow because of post-mineral faulting. A mill cannot be justified unless the entire zone can be mined as a whole and this seems improbable from an estimated grade standpoint.

In view of the field team recommendation, it appears that a denial of this application should be made. In addition to the incompetence of the applicant to carry out the proposed exploration, the exploration already accomplished by the existing workings suggest that any ore here is so excessively broken up and fragmented that the chances of finding a workable ore body by further exploration are not good.

E. L. Newcomb
E. L. Newcomb
Geologist

Rec. 12-14-51
J.R.C.

FILE COPY
SURNAME:

410

FLKnouse
Mittendorf

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

Mr. John Collins, Secretary
Bridger Mining Company
Dillon, Montana

Re: Docket No. DMA 793
Bridger Mining Company
Exploration Project Application

Dear Mr. Collins:

Reference is made to your letter of November 7, 1951 addressed to Mr. Tom Lyon regarding the status of your application. We wish to advise that this office is now processing your application, and we will keep you advised of its status.

Sincerely yours,

C. O. Mittendorf (fw) cc 11/30

Acting Administrator
Defense Minerals Exploration
Administration

FLKnouse/meb
11/28/51

cc to: Adm.Reading File
Reports & Records
Mr. Mittendorf
FLKnouse
Docket

BE

OFFICE OF THE ADMINISTRATOR

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

November 23, 1951

Memorandum

To: Mr. E. T. McKnight - USGS
Room 4204 - GSA Building

From: Mr. F. L. Knouse - DMEA
Room 4635-

Subject: Docket No. DMA - 793
Bridger Mining Company
Gallatin County, Montana
Exploration Project Application

Attached hereto is the complete subject Docket, containing the Field Team Report, Forms MF-100, MF-103, and NSRB Form 146, submitted by the applicant, together with maps of the project.

Please review the above application and return it together with your findings and recommendations to this office.

F. L. Knouse

F. L. Knouse

Attachment

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C.
NOV 16 3 39 PM '51

1201 N. Division St.
Spokane 2, Wash.
November 13, 1951

MEMORANDUM

To: Chief, Lead-Zinc Branch, Defense Minerals Administration, Washington 25, D. C.

From: DMA Field Team, Region II

Subject: DMA Docket 793, Bridger Mining Co., Gallatin County, Mont.

The Field Team concurs with the examining engineer's opinion that the applicant lacks the ability to successfully direct an exploration project. It is recommended, therefore, that the subject company's request for exploration assistance be denied in spite of the evidence that further investigation of the deposit is warranted.

Shallow underground openings, prospect cuts, and surface trenches have inconclusively explored a complex vein system within a shear zone in arkose. Several of the individual veins within this shear are marked by small lenses containing pyrite, galena, and sphalerite together with minor amounts of molybdenite. These veins are distorted and interrupted by a system of intermineral faulting. Consequently, the known ore shoots are small and generally unpredictable in extent.

A successful exploration project to further investigate the deposit would require skilled technical supervision. Inasmuch as such supervision is lacking in the present organization, it is considered inadvisable to authorize the indicated dissipation of public funds.

By Field Team, Region II

Thor H. Kiilsgaard
for A. E. Weissenborn, Exec. officer
(U. S. Geological Survey)

Glenn C. Reed
for M. E. Volin, Member
(U. S. Bureau of Mines)

Enclosures
Engineer's report (5 cys)

UNITED STATES
DEPARTMENT OF INTERIOR
OSCAR L. CHAPMAN-SECRETARY

DEFENSE MINERALS ADMINISTRATION

Report by Examination Team
Region II

DMA No. 793, Bridger Mining Co.

Gallatin County, Mont.

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.
NOV 16 3 39 PM '51

T. E. Howard
U. S. Bureau of Mines

November 9, 1951

BRIDGER MINING CO.
Gallatin County, Mont.

DMA Docket No. 793

by T. E. Howard, USBM

RECOMMENDATIONS

Although the property merits additional exploration work, the competence of the applicant to coordinate and supervise such work is doubted. It is recommended, therefore, that the application be denied.

APPLICANT

The applicant is the Bridger Mining Co., a Montana corporation directed and controlled by A. E. Harris, Orvalle Boehlke, and Darrel Boehlke, Rexburg, Idaho, and John Collins, Dillon, Mont. In the original application filed on Form NSRB 146, Clarence Siddoway, Teton, Idaho, James Webster and D. G. Taylor, Rexburg, Idaho, James Briggs, Teton, Idaho, and the J. W. Cushing Estate of Dillon, Mont., also were named as stockholders. The examining engineer was accompanied over the property by A. E. Harris.

LOCATION

The property, known locally as the Pass Creek mine, is about 23 miles by road northeast of Manhattan, Mont., in sec. 1, T. 2 N., R. 5 E., and sec. 6, T. 2 N., R. 6 E., Gallatin County, Mont.

PROPERTY AND OWNERSHIP

The property held by the applicant consists of the following unpatented claims: August, Morgan, July, Morning Star, Gallatin, Bridger, September Morn, June, and May. The exploration project proposed by the applicant would be limited to the September Morn, Gallatin, July, and Morning Star claims.

HISTORY AND PAST PRODUCTION

Reliable records concerning the history and the early output of the property are not available. According to local information, however, small shipments of lead ore were made from the property during the early 1920's. Production statistics compiled by the Bureau of Mines indicate that 37 tons of sorted ore containing 29.3 percent lead and 0.9 ounces of silver per ton were produced in 1939 and 1940.

DESCRIPTION OF PROPOSAL

The proposed project, at an estimated cost of $40,000, is intended to develop sufficient ore reserves to justify construction of a 50-ton concentrating plant. Work would be divided into two stages with the second stage contingent upon the successful completion of the initial stage.

Stage I would consist of the following steps:

1. Crosscut about 220 feet southwest from tunnel No. 2 (see attached sketch map) to intersect structure exposed in tunnel No. 1.

2. Drift about 280 feet south on the vein structure.

3. Trench with angle dozer near the old shaft to determine the attitude of the ore body exposed at the shaft collar. Perform additional trenching as required. Trace down slope any vein structure exposed.

4. Angle dozer trenching at the portal of tunnel No. 1 to trace the northerly extension of the vein.

Stage II.

1. Crosscut from drift off tunnel No. 2 to probe extension of ore body exposed at shaft collar. Further explore any vein structure found by drifting. The combined total of crosscutting and drifting under this step is not to exceed 400 feet.

Stage II (cont.)

2. Crosscut from tunnel No. 2 to intersect the vein presumably exposed at the portal of No. 1 tunnel, and further explore vein structure by drifting. The combined total of drifting and crosscutting shall not exceed 300 feet.

TECHNICAL FEASIBILITY

Geologic Setting

The project would explore a strong shear structure in arkose. This structure contains at least one narrow discontinuous vein of quartz, barite, and calcite sporadically mineralized with pyrite, lead, zinc, and scant molybdenum. The vein structure trends southwest and dips slightly westward. It has been partly explored on two levels over a vertical interval of 100 feet. In places the structure has been interrupted and offset by post-ore faulting. At other points the vein widens markedly at the site of vein splits. At the junction of one such split the vein contains about 6 percent combined lead and zinc and ranges from 2 to 3 feet wide.

About 300 feet above and 800 feet southeast of the upper adit portal, ore is exposed at the collar of an old caved shaft and an adjacent bulldozer cut. Abundant galena and lead carbonate is present along the upper walls of the shaft and in the east side of the cut. As the country rock is intensely altered, the vein structure in this area is not immediately apparent. Additional trenching would be required to determine the character and attitude of the deposit and its relation to the vein exposed in the upper adit.

Eight samples were collected and assayed, as follows:

Sample No.	Width, Ft.	Percent Lead	Percent Zinc	Remarks
42	--	8.7	0.20	Chip sample from collar of old shaft.
43	--	2.3	1.84	Dump grab sample, portal, No. 1 adit, representing 100 tons of sorted ore.
44	2.5	2.0	2.72	No. 1 adit drift. See accompanying sketch map.
45	2.0	4.3	2.76	No. 1 adit drift. See accompanying sketch map.
46	3.2	6.8	4.74	No. 1 adit drift. See accompanying sketch map.
47	4.0	0.7	1.11	No. 1 adit drift. See accompanying sketch map.
48	3.7	2.4	1.39	No. 1 adit drift. See accompanying sketch map.
49	3.0 (not full vein width)	0.3	1.85	No. 1 adit drift. See accompanying sketch map.

MINE WORKINGS

Accessible workings on the property consist of two adits aggregating about 600 feet in length. A caved shaft has been excavated about 300 feet above, and 800 feet south of, the upper adit. A number of bulldozer trenches have been excavated in the vicinity of this shaft.

The upper adit apparently was driven on the vein and for about 120 feet runs almost due south. From this point two short crosscuts were driven to probe both footwall and hanging wall, neither of which shows significant mineralization. At 120 feet the vein splits and from this point two drifts were driven, one due south and the other approximately S. 60° E. The south drift extends 95 feet and about 15 feet beyond a fairly strong, southwest-striking fault which terminates the ore. A raise driven from the southeast drift immediately east of the junction

and extending about 12 feet up the dip is the only accessible working in the plane of the vein. Two crosscuts driven south from the southeast drift complete the workings on the upper adit level. At the time of the examination only about 260 feet of the lower crosscut adit was open for inspection. A short drift and a stoped area are reported to lie at the end of the crosscut.

ORE RESERVES

As the vein structure has been inadequately explored, no reliable estimate of ore reserves can be made. A single face of minable milling ore about 30 feet long has been exposed in the southeast drift on the upper level. The vein structure at this point, however, has been terminated about 12 feet above the sill level by faulting.

MINING METHOD

Selection of a suitable mining method will depend on further exploration to more completely delineate the ore bodies. However, the character of the enclosing rock suggests that stopes will have to be timbered either with square sets or stulls.

MILLING METHOD

As far as can be determined, no ore from the property has been milled; neither have ore dressing tests been made. The character of the ore suggests that concentration by selective flotation probably will be required. Milling cost estimates necessarily must be predicated on metallurgical testing.

RATE OF PRODUCTION

At the present time the property is dormant. The applicant, however, anticipates a production rate of 50 tons per day upon the successful completion of the proposed program.

TIME SCHEDULE

According to the applicant, the program can be completed in eleven months. Five months will be required to complete the trenching, crosscutting, and drifting included in Stage I, and six months will be required to complete Stage II. In order to maintain this schedule the applicant expects to perform the drifting and crosscutting on a 2-shift per day schedule. Because of difficult winter access, however, an exploration project would be subject to suspension during a period of about three winter months.

EQUIPMENT AND FACILITIES

Installed

The property is completely unequipped at the present time. Available facilities consist of one 15x20 log cabin bunkhouse and about 600 feet of track installed in the two adits.

Required

A cookhouse, bunkhouse, combination shop-storehouse and compressor shed, and a powder magazine will be required. The total cost of these facilities is estimated by the applicant to amount to $2,900.

The equipment required for the project, which will be either rented or purchased, is as follows:

1 Eimco 12-B mucking machine
2 Drifters
1 315-cfm portable air compressor
1 Air trammer
4 Mine cars, 16 cu. ft.
1 Timber framing saw

LABOR SUPPLY AND WAGE SCALE

The available labor supply in the immediate area is limited. However, the applicant believes that the necessary force can be recruited from the mining camps of Butte, Mont., or the Coeur d'alenes in Idaho. The wage scale for mine labor currently recognized in the district is as follows:

Classification	Rate per shift
Miner	$12.31
Trammer	12.31
Sawyer	12.56
Foreman	400.00 (per month)

POWER

Inasmuch as electric power is not available at the property, gasoline or diesel-driven equipment must be used. If the program is successful the applicant intends to build a small hydro-electric plant on the nearby Mill Creek to provide power for both mining and milling operations.

TRANSPORTATION

The nearest railhead is at Minard, Mont., about 8 miles from the property. Minard is the terminus of a spur line of the Chicago, Milwaukee and St. Paul Railroad. Butte and Helena, Mont., 75 and 100 miles respectively from the property, are the logical major supply points.

The applicant has estimated a trucking cost of $3 per ton to Helena and $6 per ton to Great Falls with company-owned trucks. However, truck haul rates in effect at other nearby mining districts suggest that per ton costs probably would approach $6 to $12.

The initial 4 miles of road from the property to Manhattan are steep and poorly graded and will require improvement. Forest Service officials have assured the applicant that they will be responsible for the necessary repairs to this road and will construct about 1 mile of new road to provide access to the mill site on Mill Creek.

ADEQUACY OF REQUESTED FUNDS

The funds requested appear to be adequate to complete the proposed project, as shown by the following recapitulation:

Stage I

Bulldozing by contract, 200 hours at $10/hr.	$2,000.
New buildings	2,900.
Purchase of new equipment	1,500.
500 feet of drifting and crosscutting at $28/ft.	14,000.
Labor and supervision	5,949.
Equipment rental (3 mo.)	3,210.
Supplies (explosives, pipe, rail, fuel, and miscellaneous supplies)	3,992.
Sampling and assaying	600.

Stage II

700 feet of drifting and crosscutting at $28/ft.	19,600.
Total - Stages I and II	$40,000.

The foregoing estimate is based on an average drift and crosscutting advance of 5 feet per shift. At a 2-shift per day, 5-day per week working schedule, two and one-half months would be required to complete the

drifting and crosscutting of Stage I, and three and one-half months would be required for Stage II.

COMPETENCE OF APPLICANT

A. E. Harris, director of the corporation will supervise the project. Mr. Harris indicated that he has been active in the mining industry for thirty years or more. However, the impression was received that, except for a period in the 1920's when he was in charge of a property in Mexico, his principal activity has been largely promotional rather than operational. Maps and reports submitted by the applicant, together with underground operations performed at the property, indicate rather haphazard engineering.

The other corporation directors with the exception of John Collins, an attorney of Dillon, Mont., are wealthy Idaho farmers. According to Mr. Harris, their mining experience has consisted chiefly of investments in mining ventures which have resulted in moderate losses.

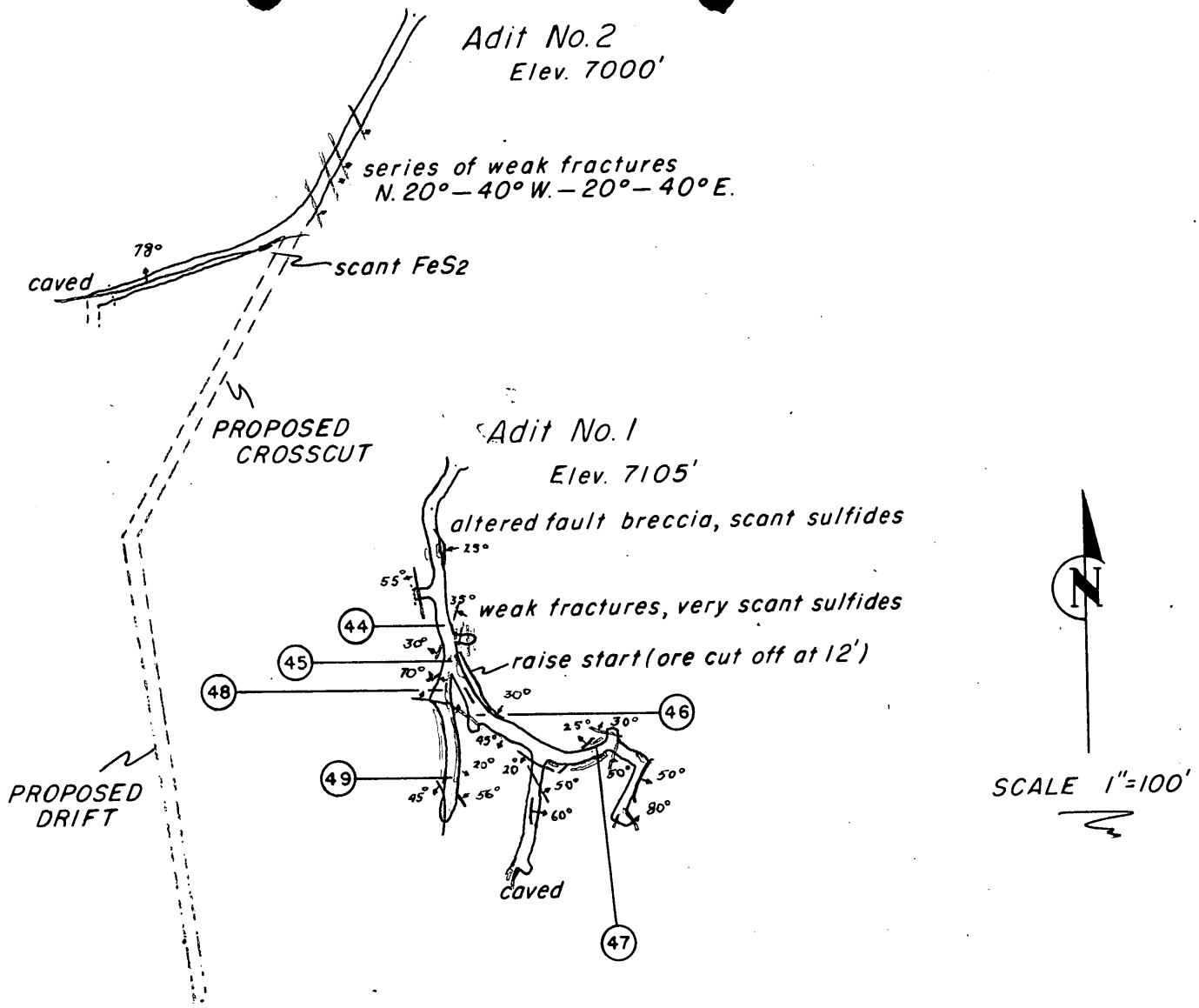
The corporation agreement to furnish matching funds for the project is based on the belief that a Government guaranteed price for lead and zinc at present market prices can be obtained prior to the start of the project.

DISCUSSION OF PROPOSAL AND SUGGESTED ALTERNATIVES

Stage I of the program is logically advanced and should prove or disprove the existence of commercial ore bodies. Stage II, however, is based on the assumption that the ore exposed in the old

shaft occupies a structure paralleling the vein structure exposed in the upper adit. Available evidence is inadequate to support this opinion as the target may well be a faulted segment not extending to the lower level. Provision should be made for exploring this ore body, either from the upper adit or by sinking or drifting from the surface contingent on the results of trenching under Stage I.

It is extremely doubtful that the proposed program would develop sufficient ore to warrant construction of a 50-ton mill.



Bridger Mining Co.,
PASS CREEK MINE,
GALLATIN COUNTY, MONT.

Caved Shaft
Elev. 7430'

42

1201 N. Division St.
Spokane 2, Wash.
November 13, 1951

MEMORANDUM

To: Chief, Lead-Zinc Branch, Defense Minerals Administration, Washington 25, D. C.

From: DMA Field Team, Region II

Subject: DMA Docket 793, Bridger Mining Co., Gallatin County, Mont.

The Field Team concurs with the examining engineer's opinion that the applicant lacks the ability to successfully direct an exploration project. It is recommended, therefore, that the subject company's request for exploration assistance be denied in spite of the evidence that further investigation of the deposit is warranted.

Shallow underground openings, prospect cuts, and surface trenches have inconclusively explored a complex vein system within a shear zone in arkose. Several of the individual veins within this shear are marked by small lenses containing pyrite, galena, and sphalerite together with minor amounts of molybdenite. These veins are distorted and interrupted by a system of intermineral faulting. Consequently, the known ore shoots are small and generally unpredictable in extent.

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By Field Team, Region II

Thor N. Kiilsgaard
for A. A. Weissenborn, Exec. Officer
(U. S. Geological Survey)

Enclosures
Engineer's report (5 c.s)

Glenn C. Reed
for L. A. Rollin, Member
(U. S. Bureau of Mines)

UNITED STATES
DEPARTMENT OF INTERIOR
OSCAR L. CHAPMAN-SECRETARY

DEFENSE MINERALS ADMINISTRATION

Report by Examination Team
Region II

DMA No. 793, Bridger Mining Co.

Gallatin County, Mont.

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D.C.
Nov 16 3 39 PM '51

T. E. Howard
U. S. Bureau of Mines

November 9, 1951

BRIDGER MINING CO.
Gallatin County, Mont.

DMA Docket No. 793

by T. E. Howard, USBM

RECOMMENDATIONS

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700 feet of drifting and crosscutting at $28/ft.	19,600.
Total - Stages I and II	$40,000.

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drifting and crosscutting of Stage I, and three and one-half months would be required for Stage II.

COMPETENCE OF APPLICANT

A. E. Harris, director of the corporation will supervise the project. Mr. Harris indicated that he has been active in the mining industry for thirty years or more. However, the impression was received that, except for a period in the 1920's when he was in charge of a property in Mexico, his principal activity has been largely promotional rather than operational. Maps and reports submitted by the applicant, together with underground operations performed at the property, indicate rather haphazard engineering.

The other corporation directors with the exception of John Collins, an attorney of Dillon, Mont., are wealthy Idaho farmers. According to Mr. Harris, their mining experience has consisted chiefly of investments in mining ventures which have resulted in moderate losses.

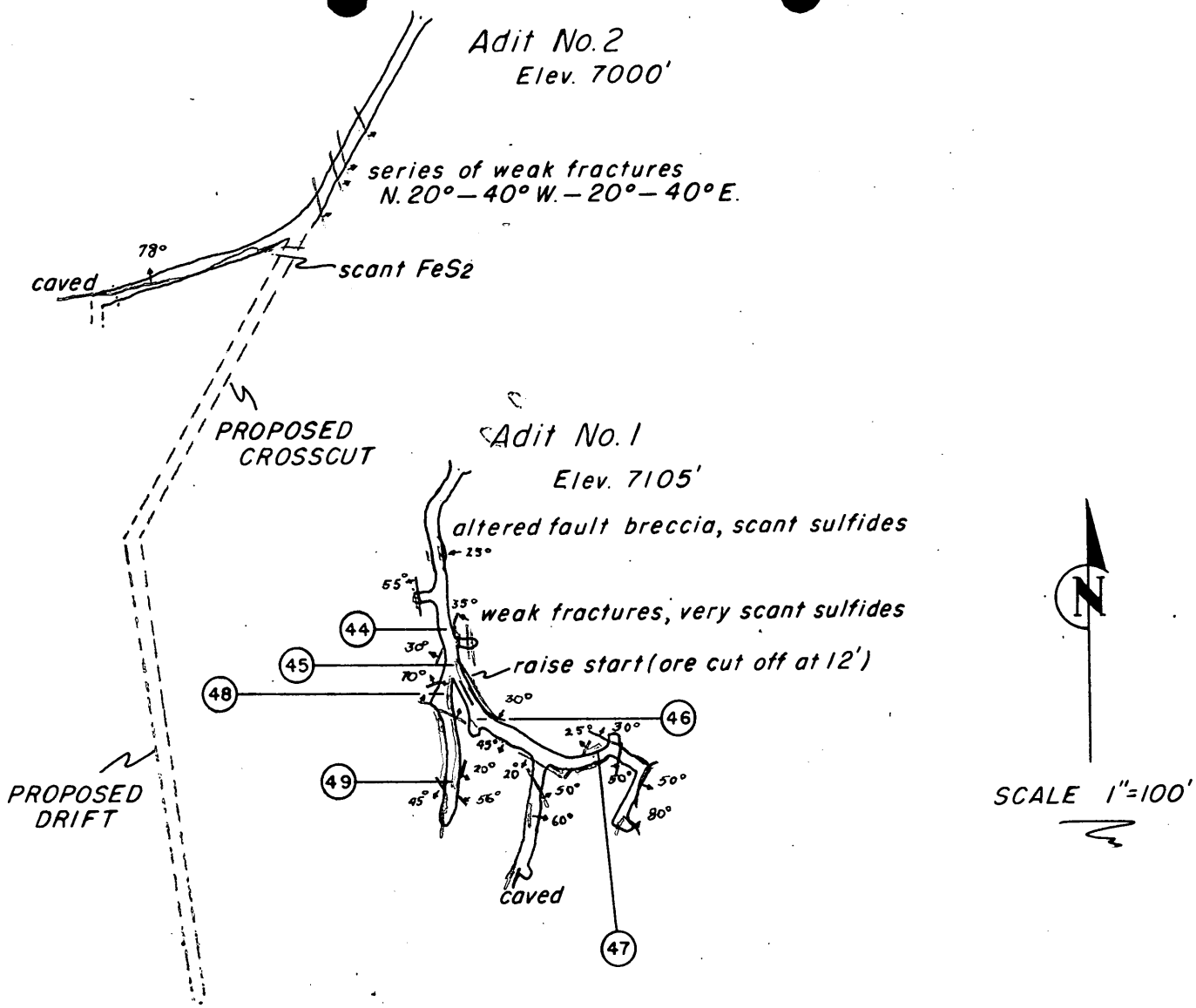
The corporation agreement to furnish matching funds for the project is based on the belief that a Government guaranteed price for lead and zinc at present market prices can be obtained prior to the start of the project.

DISCUSSION OF PROPOSAL AND SUGGESTED ALTERNATIVES

Stage I of the program is logically advanced and should prove or disprove the existence of commercial ore bodies. Stage II, however, is based on the assumption that the ore exposed in the old

shaft occupies a structure paralleling the vein structure exposed in the upper adit. Available evidence is inadequate to support this opinion as the target may well be a faulted segment not extending to the lower level. Provision should be made for exploring this ore body, either from the upper adit or by sinking or drifting from the surface contingent on the results of trenching under Stage I.

It is extremely doubtful that the proposed program would develop sufficient ore to warrant construction of a 50-ton mill.



Bridger Mining Co.,
PASS CREEK MINE,
GALLATIN COUNTY, MONT.

Caved Shaft
Elev. 7430'
42

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

Nov 16 3 39 PM '51

1201 N. Division St.
Spokane 2, Wash.
November 13, 1951

MEMORANDUM

To: Chief, Lead-Zinc Branch, Defense Minerals Administration, Washington 25, D. C.

From: DMA Field Team, Region II

Subject: DMA Docket 793, Bridger Mining Co., Gallatin County, Mont.

The Field Team concurs with the examining engineer's opinion that the applicant lacks the ability to successfully direct an exploration project. It is recommended, therefore, that the subject company's request for exploration assistance be denied in spite of the evidence that further investigation of the deposit is warranted.

Shallow underground openings, prospect cuts, and surface trenches have inconclusively explored a complex vein system within a shear zone in arkose. Several of the individual veins within this shear are marked by small lenses containing pyrite, galena, and sphalerite together with minor amounts of molybdenite. These veins are distorted and interrupted by a system of intervineral faulting. Consequently, the known ore shoots are small and generally unpredictable in extent.

A successful exploration project to further investigate the deposit would require skilled technical supervision. Inasmuch as such supervision is lacking in the present organization, it is considered inadvisable to authorize the indicated dissipation of public funds.

DMA Field Team, Region II

[illegible]
For [illegible] Weissenborn, Exec. Officer
(U. S. Geological Survey)

Enclosures
Engineer's report (5 cys)

[illegible]
For [illegible] Wolin, Member
(U. S. Bureau of Mines)

UNITED STATES
DEPARTMENT OF INTERIOR
OSCAR L. CHAPMAN-SECRETARY

DEFENSE MINERALS ADMINISTRATION

Report by Examination Team
Region II

DMA No. 793, Bridger Mining Co.

Gallatin County, Mont.

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D.C.
NOV 16 3 39 PM '51

T. A. Howard
U. S. Bureau of Mines

November 9, 1951

BRIDGER MINING CO.
Gallatin County, Mont.

DMA Docket No. 793

by T. E. Howard, USBM

RECOMMENDATIONS

Although the property merits additional exploration work, the competence of the applicant to coordinate and supervise such work is doubted. It is recommended, therefore, that the application be denied.

APPLICANT

The applicant is the Bridger Mining Co., a Montana corporation directed and controlled by A. E. Harris, Orvalle Boehlke, and Darrel Boehlke, Rexburg, Idaho, and John Collins, Dillon, Mont. In the original application filed on Form MSRB 146, Clarence Siddoway, Teton, Idaho, James Webster and D. G. Taylor, Rexburg, Idaho, James Briggs, Teton, Idaho, and the J. W. Cushing Estate of Dillon, Mont., also were named as stockholders. The examining engineer was accompanied over the property by A. E. Harris.

LOCATION

The property, known locally as the Pass Creek mine, is about 23 miles by road northeast of Manhattan, Mont., in sec. 1, T. 2 N., R. 5 E., and sec. 6, T. 2 N., R. 6 E., Gallatin County, Mont.

PROPERTY AND OWNERSHIP

The property held by the applicant consists of the following unpatented claims: August, Morgan, July, Morning Star, Gallatin, Bridger, September Morn, June, and May. The exploration project proposed by the applicant would be limited to the September Morn, Gallatin, July, and Morning Star claims.

HISTORY AND PAST PRODUCTION

Reliable records concerning the history and the early output of the property are not available. According to local information, however, small shipments of lead ore were made from the property during the early 1920's. Production statistics compiled by the Bureau of Mines indicate that 37 tons of sorted ore containing 29.3 percent lead and 0.9 ounces of silver per ton were produced in 1939 and 1940.

DESCRIPTION OF PROPOSAL

The proposed project, at an estimated cost of $40,000, is intended to develop sufficient ore reserves to justify construction of a 50-ton concentrating plant. Work would be divided into two stages with the second stage contingent upon the successful completion of the initial stage.

Stage I would consist of the following steps:

1. Crosscut about 220 feet southwest from tunnel No. 2 (see attached sketch map) to intersect structure exposed in tunnel No. 1.

2. Drift about 280 feet south on the vein structure.

3. Trench with angle dozer near the old shaft to determine the attitude of the ore body exposed at the shaft collar. Perform additional trenching as required. Trace down slope any vein structure exposed.

4. Angle dozer trenching at the portal of tunnel No. 1 to trace the northerly extension of the vein.

Stage II.

1. Crosscut from drift off tunnel No. 2 to probe extension of ore body exposed at shaft collar. Further explore any vein structure found by drifting. The combined total of crosscutting and drifting under this step is not to exceed 400 feet.

Stage II (cont.)

2. Crosscut from tunnel No. 2 to intersect the vein presumably exposed at the portal of No. 1 tunnel, and further explore vein structure by drifting. The combined total of drifting and crosscutting shall not exceed 300 feet.

TECHNICAL FEASIBILITY

Geologic Setting

The project would explore a strong shear structure in arkose. This structure contains at least one narrow discontinuous vein of quartz, barite, and calcite sporadically mineralized with pyrite, lead, zinc, and scant molybdenum. The vein structure trends southwest and dips slightly westward. It has been partly explored on two levels over a vertical interval of 100 feet. In places the structure has been interrupted and offset by post-ore faulting. At other points the vein widens markedly at the site of vein splits. At the junction of one such split the vein contains about 6 percent combined lead and zinc and ranges from 2 to 3 feet wide.

About 300 feet above and 800 feet southeast of the upper adit portal, ore is exposed at the collar of an old caved shaft and an adjacent bulldozer cut. Abundant galena and lead carbonate is present along the upper walls of the shaft and in the east side of the cut. As the country rock is intensely altered, the vein structure in this area is not immediately apparent. Additional trenching would be required to determine the character and attitude of the deposit and its relation to the vein exposed in the upper adit.

Eight samples were collected and assayed, as follows:

Sample No.	Width, Ft.	Percent Lead	Percent Zinc	Remarks
42	—	8.7	0.20	Chip sample from collar of old shaft.
43	—	2.3	1.84	Dump grab sample, portal, No. 1 adit, representing 100 tons of sorted ore.
44	2.5	2.0	2.72	No. 1 adit drift. See accompanying sketch map.
45	2.0	4.3	2.76	No. 1 adit drift. See accompanying sketch map.
46	3.2	6.8	4.74	No. 1 adit drift. See accompanying sketch map.
47	4.0	0.7	1.11	No. 1 adit drift. See accompanying sketch map.
48	3.7	2.4	1.39	No. 1 adit drift. See accompanying sketch map.
49	3.0 (not full vein width)	0.3	1.85	No. 1 adit drift. See accompanying sketch map.

MINE WORKINGS

Accessible workings on the property consist of two adits aggregating about 600 feet in length. A caved shaft has been excavated about 300 feet above, and 800 feet south of, the upper adit. A number of bulldozer trenches have been excavated in the vicinity of this shaft.

The upper adit apparently was driven on the vein and for about 120 feet runs almost due south. From this point two short crosscuts were driven to probe both footwall and hanging wall, neither of which shows significant mineralization. At 120 feet the vein splits and from this point two drifts were driven, one due south and the other approximately S. 60° E. The south drift extends 95 feet and about 15 feet beyond a fairly strong, southwest-striking fault which terminates the ore. A raise driven from the southeast drift immediately east of the junction

and extending about 12 feet up the dip is the only accessible working in the plane of the vein. Two crosscuts driven south from the southeast drift complete the workings on the upper adit level. At the time of the examination only about 260 feet of the lower crosscut adit was open for inspection. A short drift and a stoped area are reported to lie at the end of the crosscut.

ORE RESERVES

As the vein structure has been inadequately explored, no reliable estimate of ore reserves can be made. A single face of minable milling ore about 30 feet long has been exposed in the southeast drift on the upper level. The vein structure at this point, however, has been terminated about 12 feet above the sill level by faulting.

MINING METHOD

Selection of a suitable mining method will depend on further exploration to more completely delineate the ore bodies. However, the character of the enclosing rock suggests that stopes will have to be timbered either with square sets or stulls.

MILLING METHOD

As far as can be determined, no ore from the property has been milled; neither have ore dressing tests been made. The character of the ore suggests that concentration by selective flotation probably will be required. Milling cost estimates necessarily must be predicated on metallurgical testing.

RATE OF PRODUCTION

At the present time the property is dormant. The applicant, however, anticipates a production rate of 50 tons per day upon the successful completion of the proposed program.

TIME SCHEDULE

According to the applicant, the program can be completed in eleven months. Five months will be required to complete the trenching, crosscutting, and drifting included in Stage I, and six months will be required to complete Stage II. In order to maintain this schedule the applicant expects to perform the drifting and crosscutting on a 2-shift per day schedule. Because of difficult winter access, however, an exploration project would be subject to suspension during a period of about three winter months.

EQUIPMENT AND FACILITIES

Installed

The property is completely unequipped at the present time. Available facilities consist of one 15x20 log cabin bunkhouse and about 500 feet of track installed in the two adits.

Required

A cookhouse, bunkhouse, combination shop-storehouse and compressor shed, and a powder magazine will be required. The total cost of these facilities is estimated by the applicant to amount to $2,900.

The equipment required for the project, which will be either rented or purchased, is as follows:

1 Kimco 12-B mucking machine
2 Drifters
1 315-cfm portable air compressor
1 Air trammer
4 Mine cars, 16 cu. ft.
1 Timber framing saw

LABOR SUPPLY AND WAGE SCALE

The available labor supply in the immediate area is limited. However, the applicant believes that the necessary force can be recruited from the mining camps of Butte, Mont., or the Coeur d'alenes in Idaho. The wage scale for mine labor currently recognized in the district is as follows:

Classification	Rate per shift
Miner	$12.31
Trammer	12.31
Sawyer	12.56
Foreman	400.00 (per month)

POWER

Inasmuch as electric power is not available at the property, gasoline or diesel-driven equipment must be used. If the program is successful the applicant intends to build a small hydro-electric plant on the nearby Mill Creek to provide power for both mining and milling operations.

TRANSPORTATION

The nearest railhead is at Minard, Mont., about 8 miles from the property. Minard is the terminus of a spur line of the Chicago, Milwaukee and St. Paul Railroad. Butte and Helena, Mont., 75 and 100 miles respectively from the property, are the logical major supply points.

The applicant has estimated a trucking cost of $3 per ton to Helena and $6 per ton to Great Falls with company-owned trucks. However, truck haul rates in effect at other nearby mining districts suggest that per ton costs probably would approach $6 to $12.

The initial 4 miles of road from the property to Manhattan are steep and poorly graded and will require improvement. Forest Service officials have assured the applicant that they will be responsible for the necessary repairs to this road and will construct about 1 mile of new road to provide access to the mill site on Mill Creek.

ADEQUACY OF REQUESTED FUNDS

The funds requested appear to be adequate to complete the proposed project, as shown by the following recapitulation:

Stage I

Bulldozing by contract, 200 hours at $10/hr.	$2,000.
New buildings	2,900.
Purchase of new equipment	1,500.
500 feet of drifting and crosscutting at $28/ft.	14,000.
Labor and supervision	5,949.
Equipment rental (3 mo.)	3,210.
Supplies (explosives, pipe, rail, fuel, and miscellaneous supplies)	3,992.
Sampling and assaying	600.

Stage II

700 feet of drifting and crosscutting at $28/ft.	19,600.
Total - Stages I and II	$40,000.

The foregoing estimate is based on an average drift and cross-cutting advance of 5 feet per shift. At a 2-shift per day, 5-day per week working schedule, two and one-half months would be required to complete the

drifting and crosscutting of Stage I, and three and one-half months would be required for Stage II.

COMPETENCE OF APPLICANT

A. E. Harris, director of the corporation will supervise the project. Mr. Harris indicated that he has been active in the mining industry for thirty years or more. However, the impression was received that, except for a period in the 1920's when he was in charge of a property in Mexico, his principal activity has been largely promotional rather than operational. Maps and reports submitted by the applicant, together with underground operations performed at the property, indicate rather haphazard engineering.

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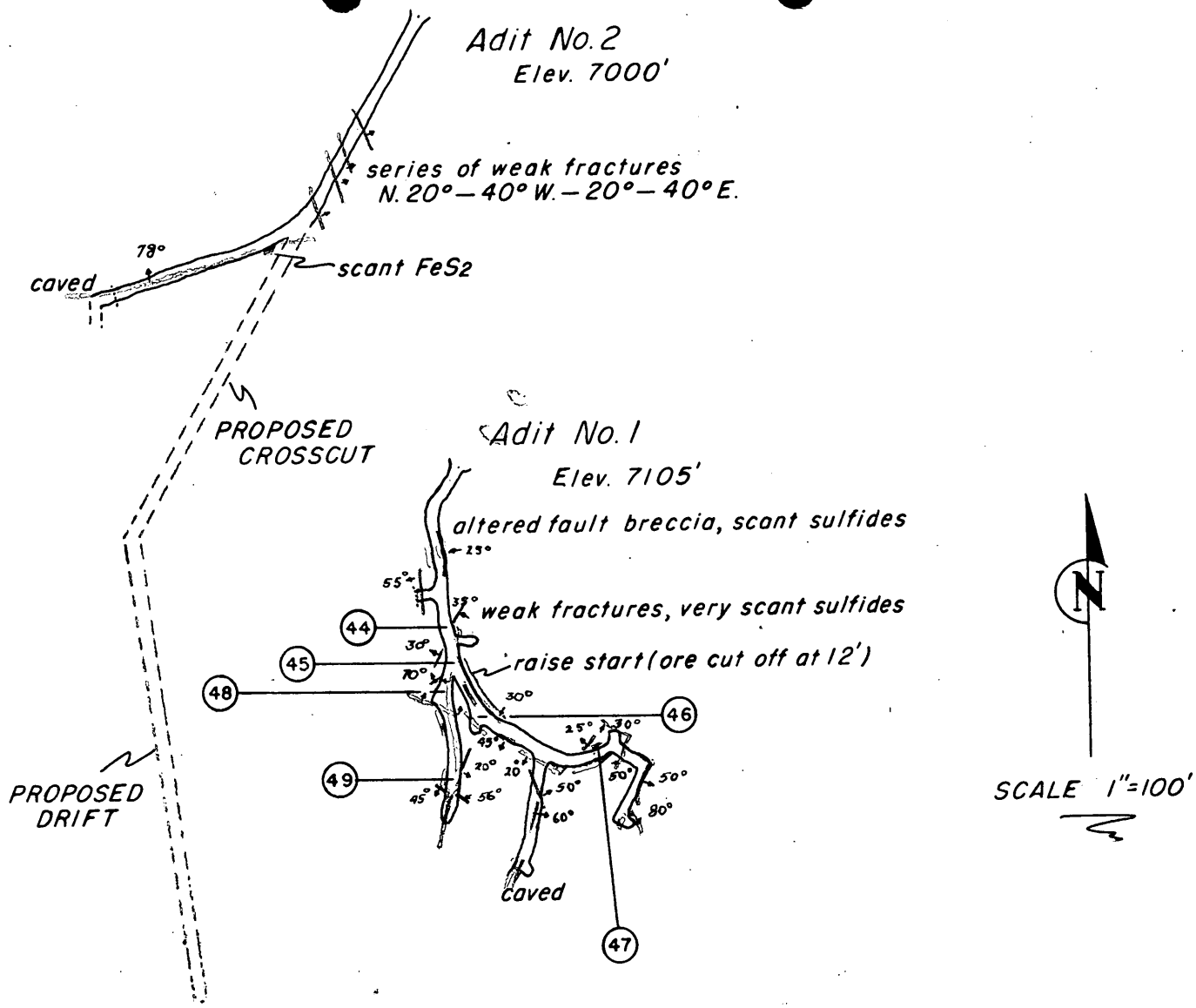
It is extremely doubtful that the proposed program would develop sufficient ore to warrant construction of a 50-ton mill.



Bridger Mining Co.,
PASS CREEK MINE,
GALLATIN COUNTY, MONT.

Caved Shaft
Elev. 7430'

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DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

NOV 16 3 39 PM '51

1201 N. Division St.
Spokane 2, Wash.
November 13, 1951

MEMORANDUM

To: Chief, Lead-Zinc Branch, Defense Minerals Administration, Washington 25, D. C.

From: DMA Field Team, Region II

Subject: DMA Docket 793, Bridger Mining Co., Gallatin County, Mont.

The Field Team concurs with the examining engineer's opinion that the applicant lacks the ability to successfully direct an exploration project. It is recommended, therefore, that the subject company's request for exploration assistance be denied in spite of the evidence that further investigation of the deposit is warranted.

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By Field Team, Region II

Thor L. Kiilsgaard
for A. E. Weissenborn, Exec. officer
(U. S. Geological Survey)

Enclosures
Engineer's report (5 cys)

Glenn C. Reed
for L. E. Volin, Member
(U. S. Bureau of Mines)

UNITED STATES
DEPARTMENT OF INTERIOR
OSCAR L. CHAPMAN-SECRETARY

DEFENSE MINERALS ADMINISTRATION

Report by Examination Team
Region II

DMA No. 793, Bridger Mining Co.

Gallatin County, Mont.

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D.C.
Nov 16 3 39 PM '51

T. E. Howard
U. S. Bureau of Mines

November 9, 1951

BRIDGER MINING CO.
Gallatin County, Mont.

DMA Docket No. 793

by T. E. Howard, USBM

RECOMMENDATIONS

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LOCATION

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Stage II (cont.)

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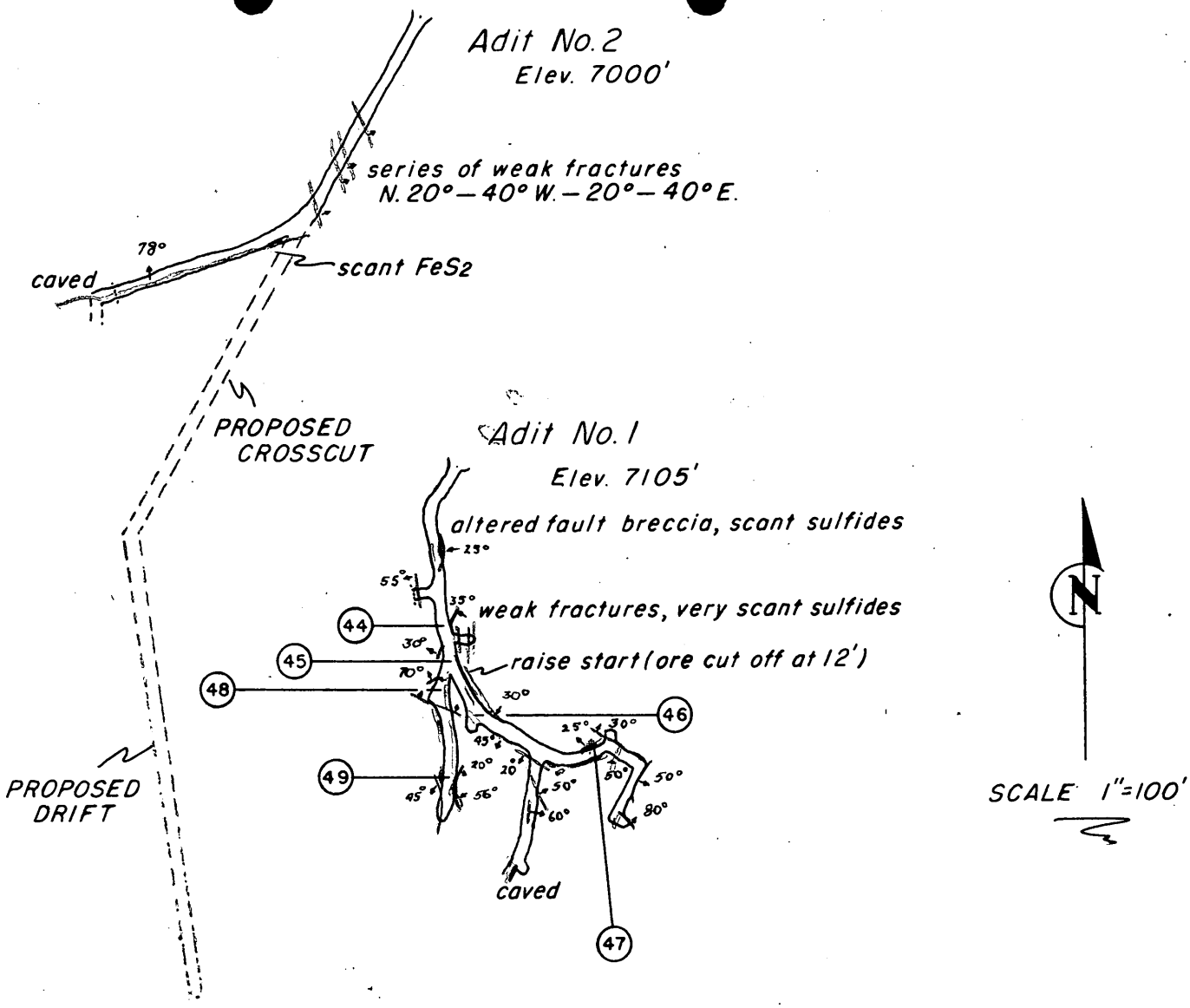

Bridger Mining Co.,
PASS CREEK MINE,
GALLATIN COUNTY, MONT.

Caved Shaft
Elev. 7430'

DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D. C.
Nov 13 2 09 PM '51

DEPARTMENT OF THE INTERIOR
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NOV 7 1951
Defense Minerals Administration,
Production Expansion Division.

Mr Krause

BRIDGER MINING COMPANY

Dillon, Montana

November 7, 1951

Tom Lyon, Esq.
Director, Supply Division
Defense Minerals Administration
Washington 25, D. C.

Dear Sir:

Re: Docket DMA-793 - LEAD ZINC

Reference is made to your letter of June 19, 1951, addressed to Bridger Mining Company, of this city.

In July 1951, Mr. Thomas E. Howard, of the United States Bureau of Mines, made an examination of the properties of the Bridger Mining Company in relation to the application for a loan.

We have not received any information to show that the application has been passed upon. Yesterday Mr. A. E. Harris, who is the engineer for the company, was here and requested that I write you in regard to the same.

May we be advised as to the action of the Department upon this application?

Yours very truly

BRIDGER MINING COMPANY

John Collins

John Collins
Secretary

JC:r

RECEIVED
NOV 21 1951

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D.C.

Nov 16 3 40 PM '51

DEPARTMENT OF INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D. C.

JUN 20 1951

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

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Docket No. 793

Commodity Lead-zinc

Applicant Bridger Mining Company, Box 166, Dillon, Montana

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

Very truly yours,

Tom Lyon

Tom Lyon, Chairman
Coordinating Committee

Lowell B. Moon
For Bureau of Mines

Edwin T. McKnight
For Geological Survey

Brokaw for McKnight
6/5/51 Herres

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 793

Commodity Lead-zinc

Total Amount $ 40,000

Govt. Participation 50%

1. Name and Address of Applicant Bridger Mining Company

P. O. Box 166, Dillon, Montana

2. Location of Property Gallatin County, Montana - 20 miles north of Belgrade

3. Mineral or metal Lead-zinc Is it listed in Section 9 of MO-5?

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 Yes

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

5. Is the applicant's right to the property clearly stated?
(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? _____

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 _____

b) Equipment and supplies _____
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* _____

d) Water (question 13)* _____

e) Power (question 13)* _____

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

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

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? In part

If not, what part of it is?

Tunnel driving but not raising on ore

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?_____ If so, attach a draft.

c) Is a field check needed?_____

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

a) Is it applicable?_____

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

c) Are rents and charges reasonable?_____

d) Is a field check needed?_____

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

a) Are there sufficient data?_____

b) Is the schedule adequate for the work proposed? Not stated

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

d) Are the proposed wages and salaries reasonable? No information given

e) Is a field check needed? Yes

14. Exhibit E (question 23-c)*

a) Is it applicable? _____

b) Sufficient data? _____

c) Reasonable? _____

d) Field check needed? _____

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

(All exploration must be completed within two years)

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

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Proposal needs more specific geological data. Vein widths, grade, geologic map, etc. If feasible from geologic viewpoint, engineering aspects, costs need itemizing. Applicant should complete MF-103 perhaps with guidance from field office.

Reviewed by: A. L. Brokaw (GS)

Date 6/18/51

97692

FILE COPY
SURNAME:

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

Brokaw
Lyon McKnight
Herrera
Mote
McKnight Jr
Rowe
Moon

Mailed to Regional II 6/20/51

June 19, 1951

Re: Docket DMA-793

Bridger Mining Company
P. O. Box 166
Dillon, Montana

Gentlemen:

Your application (Docket DMA-793) for a Government loan under the provisions of the Defense Production Act of 1950 has been reviewed by the Lead-Zinc Branch of the Defense Minerals Administration. Before final decision can be taken on your request it will be necessary to obtain additional information on your property. Your application, therefore, has been referred to Mr. A. E. Weissenborn, Executive Officer, South 157 Howard Street, Spokane 8, Washington, for further information and advice.

Very truly yours,

Tom Lyon, Director
Supply Division

ALBrokaw:emp
G 6/18/51

Copies to: A. E. Weissenborn Region II (2)
Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
R. H. Mote
L. F. Strobel
Directors r. file 4214 GSA
Br. r. file 4214 GSA
Files

Docket 793

858

FILE COPY
SURNAME:

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

June 11, 1951

Collins & Burns
Attorneys & Counselors
Bridger Mining Company
Box 166
Dillon, Montana

Subject: DMA-793X
Re: Exploration Loan -
Pass Creek Mine

Gentlemen:

Receipt is acknowledged of your application and attachments of May 27, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-793X and referred to Mr. Otto Herres, Chief, Lead-Zinc Branch, on June 7, 1951.

In any future correspondence relating to your application, kindly refer to DMA-793X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:hb

Copy to: Mr. Strobel
Mr. Lyon
Mr. Herres
Files

Rexburg, Idaho
May 27, 1951

Mr. John Collins, Att'y. at Law
PO Box 166
Dillon, Montana

Re. DMA-793

Dear Mr. Collins:

Inclosed you will please find four copies of each form MF-103 and MF-100 to be signed by the Secretary of the Bridger Mining Company and forwarded to the Defense Minerals Administration, Department of Interior, Washington 25, D. C.

It is our intention to conform with the request of this Agency in paragraph 3 & 4 of their letter to us by Otto Herres, Chief of the Lead-Zinc Branch and dated April 12, 1951, and to have the Secretary to so advise the Agency.

Since the information asked for in the forms has been submitted on their previous form NSRB-146 we invite the Agency to refer to this Form for answers to all questions which we understand are to become a part of the application. This will eliminate any chance for any descrepancy to occur in the material already submitted.

Yours truly,

Orvalle Boehlke, Mgr. Director

JUN 7 1951

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 793 X

Date received 6-1-51

Participation

Defense Minerals Administration,
Department of Interior,
Wa shington 25, D. C.

Bridger Mining Company,
P. O. Box 166,
Dillon, Montana.

Name and address of applicant

Date May 27, 1951

FILL IN THIS BLOCK

Date of application

Estimated cost $40,000

Mineral or metal Zinc & Lead

Percentage of Government participation 50%

Location of mine Gallatin County, Montana

20 miles North from Belgrade.

Date of filing MF-100 May 27, 1951

DMA Docket Number, if available DMA-793 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.

Bridger Mining Company
(Name of company)

By _____
(Signature of authorized official)

May 27, 1951
(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-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. _____

Date received _____

Defense Minerals Administration,
Department of Interior,
Washington 25, D. C.

Bridger Mining Company
P. O. Box 166
Dillon, Montana

Name and address of applicant

Date May 27, 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:
   - [x] Owner.
   - [ ] Lessee.
   - [ ] Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin 1952
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)
See Form NSRB-146 Submitted March 22, 1951							
	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	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.

Bridger Mining Company
(Name of company)

By John Collins
(Signature of authorized official)

May 27, 1951
(Date)

Secretary
(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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 1 - 1951
LINDSEY F. STROBEL
Executive Secretary

Rexburg, Idaho
May 27, 1951

Mr. John Collins, Att'y. at Law
PO Box 166
Dillon, Montana

Re. DMA-793X

Dear Mr. Collins:

Inclosed you will please find four copies of each form MF-103 and MF-100 to be signed by the Secretary of the Bridger Mining Company and forwarded to the Defense Minerals Administration, Department of Interior, Washington 25, D. C.

It is our intention to conform with the request of this Agency in paragraph 3 & 4 of their letter to us by Otto Herres, Chief of the Lead-Zinc Branch and dated April 12, 1951, and to have the Secretary to so advise the Agency.

Since the information asked for in the forms has been submitted on their previous form NSRB-146 we invite the Agency to refer to this Form for answers to all questions which we understand are to become a part of the application. This will eliminate any chance for any descrepancy to occur in the material already submitted.

Yours truly,

Orville Boehlke

Orvalle Boehlke, Mgr. Director

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 793 +

Date received 6-1-51

Participation

Defense Minerals Administration,
Department of Interior,
Washington 25, D. C.

Bridger Mining Company
P. O. Box 166
Dillon, Montana

Name and address of applicant

Date May 27, 1951

FILL IN THIS BLOCK

Date of application

Estimated cost $40,000

Mineral or metal Zinc & Lead

Percentage of Government participation 50%

Location of mine Gallatin County, Montana
20 miles North from Belgrade

Date of filing MF-100 May 27, 1951

DMA Docket Number, if available DMA-793 +

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.
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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.

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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*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.
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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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(2) Milling				
(3) Shipped or sold				

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    (*a*) Describe the ore or mineral deposits briefly.
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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.

Bridger Mining Company
(Name of company)

By _____
(Signature of authorized official)

May 27, 1951
(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-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. _____

Date received _____

Defense Minerals Administration,
Department of Interior,
Washington 25, D. C.

Bridger Mining Company
P. O. Box 166
Dillon, Montana

Name and address of applicant

Date May 27, 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 1952
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: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
	See Form NSRB-146 Submitted March 2, 1951						
	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	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.

Bridger Mining Company
(Name of company)

By John Collins
(Signature of authorized official)

May 27, 1951
(Date)

Secretary
(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

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

Rexburg, Idaho
May 27, 1951

Mr. John Collins, Att'y. at Law
PO Box 166
Dillon, Montana

Re. DMA-793

Dear Mr. Collins:

Inclosed you will please find four copies of each form MF-103 and MF-100 to be signed by the Secretary of the Bridger Mining Company and forwarded to the Defense Minerals Administration, Department of Interior, Washington 25, D. C.

It is our intention to conform with the request of this Agency in paragraph 3 & 4 of their letter to us by Otto Herres, Chief of the Lead-Zinc Branch and dated April 12, 1951, and to have the Secretary to so advise the Agency.

Since the information asked for in the forms has been submitted on their previous form NSRB-146 we invite the Agency to refer to this Form for answers to all questions which we understand are to become a part of the application. This will eliminate any chance for any descrepancy to occur in the material already submitted.

Yours truly,

Orville Boehlke

Orvalle Boehlke, Mgr. Director

Form MF-103
(April 1951)

DEPARTMENT OF THE INTE[redacted]
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 793 X

Date received 6-1-51

Participation

Defense Minerals Administration,
Department of Interior,
Washington 25, D. C.

Bridger Mining Company
P. O. Box 166
Dillon, Montana

Name and address of applicant

Date May 27, 1951

FILL IN THIS BLOCK

Date of application

Estimated cost $40,000

Mineral or metal Zinc & Lead

Percentage of Government participation 50%

Location of mine Gallatin County, Montana

20 miles North from Belgrade

Date of filing MF-100 May 27, 1951

DMA Docket Number, if available DMA-793 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.

Bridger Mining Company
(Name of company)

By _____
(Signature of authorized official)

May 27, 1951
(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-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. _____

Date received _____

Defense Minerals Administration,
Department of Interior,
Washington 25, 1951

Bridger Mining Company
P. O. Box 166
Dillon, Montana

Name and address of applicant

Date May 27, 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 1952
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)
See Form NSRB-146 Submitted March 2, 1951							
	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 m[illegible] 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)
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.

Bridger Mining Company
(Name of company)

By John Collins
(Signature of authorized official)

May 27, 1951
(Date)

Secretary
(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

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

Rexburg, Idaho
May 27, 1951

Mr. John Collins, Att'y. at Law
PO Box 166
Dillon, Montana

Re. DMA-793

Dear Mr. Collins:

Inclosed you will please find four copies of each form MF-103 and MF-100 to be signed by the Secretary of the Bridger Mining Company and forwarded to the Defense Minerals Administration, Department of Interior, Washington 25, D. C.

It is our intention to conform with the request of this Agency in paragraph 3 & 4 of their letter to us by Otto Harres, Chief of the Lead-Zinc Branch and dated April 12, 1951, and to have the Secretary to so advise the Agency.

Since the information asked for in the forms has been submitted on their previous form MSRB-146 we invite the Agency to refer to this Form for answers to all questions which we understand are to become a part of the application. This will eliminate any chance for any descrepancy to occur in the material already submitted.

Yours truly,

Orvalle Boehlke

Orvalle Boehlke, Mgr. Director

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 793 X

Date received 6-1-51

Participation

Defense Minerals Administration,
Department of Interior,
Washington 25, D. C.

Bridger Mining Company,
P. O. Box 166,
Dillon, Montana

Name and address of applicant

Date May 27, 1951

FILL IN THIS BLOCK

Date of application

Estimated cost $40,000

Mineral or metal Zinc & Lead

Percentage of Government participation 50%

Location of mine Gallatin County, Montana

20 miles North from Belgrade

Date of filing MF-100 May 27, 1951

DMA Docket Number, if available DMA-793 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.

Bridger Mining Company
(Name of company)

By _____
(Signature of authorized official)

May 27, 1951
(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-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. _____

Date received _____

Defense Minerals Administration,
Department of Interior,
Washington 25, D. C.

Bridger Mining Company
P. O. Box 166
Dillon, Montana

Name and address of applicant

Date May 27, 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 1952
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)
	See Form NSRB-146 Submitted March 2, 1951						
	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	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.

Bridger Mining Company
(Name of company)

By John Collins
(Signature of authorized official)

May 27, 1951
(Date)

Secretary
(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

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

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

APR 12 1951

exploring

Otto E.

FILE COPY
SURNAME:

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

APR 12 1951

Bridges Mining Company
C/O Collins and Burns
Box 166
Dillon, Montana

In reply please refer to DMA-793

Dear Sirs:

One of the purposes of the Defense Production Act of 1950 is the encouragement of exploration, development and mining of strategic minerals and metals. Where an applicant has proven reserves of strategic materials, Federal aid in mining can be given through procurement contracts for such materials as are in short supply. On the strength of these contracts, the applicant can obtain private financing in most instances. Zinc is the only metal in your mine which The Defense Minerals Administration might certify for such a contract, but because the reserves are small, the amount of any loan that could be arranged would be too little to be of any use.

The program recently approved for encouragement of exploration of strategic materials calls for participation on the part of the applicant. For zinc and lead deposits it will be necessary to match Government funds on an equal basis. Funds advanced by the Government will be considered a loan, to be repaid if the exploration is profitable, but to be canceled if unsuccessful. The details of the plan, explaining the projects that will be eligible for assistance, the terms and schedules of financing, repayment, and other pertinent information, are enclosed.

A review of your application (DMA-793) for financial aid in exploring your Pass Creek Mine in Gallatin County, Montana indicates that part of your proposal may be considered under this exploration program. Details concerning expenditures that will be considered chargeable to exploration aid will be subject to a final determination by negotiation, but as a preliminary appraisal, we believe that the program will apply to approximately $40,000 which you propose to use in exploring the mine.

Before we can proceed further with consideration of your application, which may or may not require a field examination, please indicate your willingness to provide your share of the funds needed to carry out the proposed exploration. Any modification of your original proposal that you may wish to make will be considered, but you should be specific concerning the work you wish to undertake.

ABGriggs:bsp
G 3/23/51
Copies to: Chief, Lead-Zinc Branch
USGS McKnight
2 copies to A. E. Weissenborn
Enclosures Exec. Officer, RegionII

Very truly yours,

Otto Herres

OTTO HERRES, Chief
Lead-Zinc Branch

L. B. Moon
R. H. Mote
L. F. Strobel
C. O. Mittendorf
Files

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

APR 12 1951

exploring the mine.

Otto Herres

C. Hitchcock
File

Mr. Herres

DEFENSE MINERALS ADMINISTRATION

Referral of Applications for Government Aid

Docket No. DMA-793

Commodity: lead zinc

Name of Applicant: Bridger Mining Company (A Montana Corp.)

Address of Applicant: Dillon, Montana C/O Collins & Burns Attorneys & Counselors Box 166, Dillon, Montana

Name of Property: Pass Creek Mine

Location of Property: Gallatin County, Montana

Nature of Application: Loan of $100,000

Action Dates

Application: 2/20/51

Received: 3/9/51

Acknowledged:

Referred to LEAD-ZINC Committee: 3/13/51

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
NOV 16 3 39 PM '51

MAR 13 1951

5

Dma-793

Mr. Jones

BUREAU OF MINES
WASHINGTON, D.C.
12 37 PM '51

MINE EXAMINATIONS
AND APPRAISALS

A. E. HARRIS
GEOLOGIST

Rexburg, Idaho
March 2, 1951

Dr. James Boyd, Administrator
Defense Minerals Administration
Washington 25, D. C.

Dear Sir:

Inclosed please find four copies of Form NSRB-146, Nov. 1950 making application for a mining loan made out in compliance with instructions as outlined in a letter of Jan. 9, 1951 by Richard H. Mote, Base Metals Branch, Bureau of Mines Washington 25, D. C. in answer to my letter of December 3, 1950 to the Bureau of Mines, Albany, N. Y. My letter followed a mining meeting held at Hailey, Idaho with the Bureau of Mines Representatives present. I understand the application attached is in harmony with the program as outlined by them at the meeting.

Please advise where and how we are to obtain the Necessity Certificate as provided in Sec. 10, page 5 of the application.

It is our intention to supply all additional needed capital to carry out the mining and mill program as outlined should there be a shortage. We shall endeavor to meet all requirements your Office may demand in order to harmonize the application with the requirements of the Defense Minerals Production Act of 1950 and to meet the demands of your Office.

The men in this organization have for the past twenty years made substancial investments in base metal mines in this country and due to unfavorable and fluctuating markets for the minerals have not been able to recover any of their investments. We are not interested in stock promotions, but we are interested in production. Several times we have attempted the exploitation of these mines and due to conditions beyond the requirements of money and beyond our control this money is still invested. If the Government's program reaches us in time for us to depend on the outcome we shall go ahead and produce the mineral. We shall expect that prices are stable enough to form a basis upon which we can depend in order to do business.

The writer has several clients who control valuable mineral base metal deposits if present prices can be depended upon and will endeavor to have these exploited if the Government's program means what I am lead to believe it does. I should have the true facts on the loan requirements from your Office inorder to correctly advise the clients.

Yours truly,

A E Harris

cc to Richard H. Mote
Base Metals Branch
Bureau of Mines
Washington 25, D. C.

Dma - 793

Form NSRB-146
(Nov. 1950)

UNITED STATES GOVERNMENT

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.

Nov 16 3 40 PM '51

APPLICATION FOR GOVERNMENT LOAN UNDER SEC. 302 OF DEFENSE PRODUCTION ACT OF 1950

FORM APPROVED BUDGET BUREAU NO. 25-R002

AMOUNT OF LOAN REQUESTED

TERMS OF LOAN REQUESTED

DATE OF APPLICATION

TO BE FILLED IN BY DELEGATE AGENCY

(DATE RECEIVED)

COMM.

AGRIC.

INT.

D.T.A.

FILE NO.

NAME AND ADDRESS OF APPLICANT *(Street, City, Zone, State)*

Bridger Mining Company
(A Montana Corp.)
Dillon, Montana
C/O Collins & Burns
Attorneys & Counselors
Box 166
Dillon, Montana

INSTRUCTIONS

Application should be filed with the Department of Commerce, Department of Agriculture, Department of Interior, or the Defense Transport Administration, whichever has the primary interest in the facilities, products, or processes involved. However, for convenience of the applicant, he may file with any government agency with which he has contract or other pertinent relationships and such agency will arrange for the transmittal of the application to the appropriate office.

Submit four (4) signed copies of the application. Name and address of applicant should be stamped or typed for identification of each sheet of the application and all accompanying papers. When a question is inapplicable, this should be so stated on the form. Additional sheets may be attached in answering any questions or in providing other supporting information.

1. PURPOSE OF LOAN

Give a brief general statement of the purpose of the loan requested, including in the table below estimated amounts for such major purposes as land acquisition, building construction, purchase of plant, purchase of equipment, working capital, repayment of debt, etc. Statement should make clear whether funds will be used for expansion of capacity, development of technological processes, or production of essential materials.

General Statement

This loan is requested for the purpose of expanding the productive capacity and supply of strategic critical minerals, as provided in the Defense Production Act of 1950. Lead and zinc minerals will be produced.

NATURE OF EXPENDITURE	AMOUNT
Buildings	$10,000
Mine plant (Compressors, rails, pipe, cars, tools, mucking machine & tramer)	20,000
Mill (Concentrating 75-100 tons)	50,000
Labor in mine development	20,000
Total amount applied for	$100,000

2. PROPOSED METHOD FOR REPAYMENT OF LOAN

State sources of funds, and proposed schedule of repayment

Source of funds to be from U. S. Government as provided by Defense Production Act of 1950. Loan to be repaid from returns from mineral production and guaranteed by lien on plant and mineral production returns. If necessary a lien upon the mine, valued at $70,000 will be given as additional guarantee.

3. NATURE OF BUSINESS AND DESCRIPTION OF PROJECT

Describe fully the business activity for which the funds are intended. In so doing, identify the materials and services to be produced, describe the facilities and processes involved, and explain in detail any research activity and the nature of the results expected. Attach blueprints and specifications, if available, and furnish other technical details to the extent that they are not covered elsewhere in the application.

The business activity for which funds are intended is the mining and supplying strategic critical lead and zinc minerals and thereby helping to relieve the National mineral shortage.

4. **Relationship to National Defense.** Explain carefully how the expenditure of the funds will contribute to national defense. As a part of such explanation, the following questions should be answered to the extent possible:

(a) What evidence exists as to current shortages of the materials or services to be produced?

Congress passing the Defense Production Act of 1950 makes it evident a shortage in minerals does exist.

(b) What evidence exists as to future shortages of the materials or services to be produced?

For the past 30 years no new discoveries, in this country, of large zinc, lead or copper mines have been made. Known large deposits are being depleted and demands have increased 100 times during this period. Unless new discoveries are made in this country shortages cannot be met. For these discoveries adventure capital, both private and Government, must be made available.

(c) Are such shortages, if any, regional or national in scope?

The shortages are National in scope

(d) In what respects will the use of the funds aid directly in expediting the carrying out of government defense contracts? (A listing of defense contracts, if any, held by applicant is required in item 8 below.)

All Government contracts requiring lead and zinc metals will be directly benefited by this operation.

4. Relationship to National Defense - Continued

(e) In what respects will the use of the funds aid indirectly in expediting the carrying out of government defense contracts or related operations?

Besides being used extensively as metals lead and zinc are used in numerous alloys all of which are both directly and indirectly related to all defense operations.

(f) Are there available alternative methods or facilities to accomplish the same purpose as that for which these funds are intended? (For instance, unused capacity, possibility of multiple shift operations, idle facilities, readily convertible equipment, sub-contracting?) If answer is yes, explain why alternatives are not used.

No

5. Maximum Designed Production

List separately materials or services identified in item 3 (a)	Unit of measure (b)	Maximum designed production with existing facilities (c)	Average percentage of maximum designed production used in quarter preceding filing of application (d)	Maximum designed production including use of funds applied for (e)
lead (metal)	lb.	none	none	3,000,000/yr.
zinc "	lb.	"	"	3,000,000/yr.

6. Employment

(a) Number currently employed at location(s) where funds are to be used. (Use pay period ending nearest 15th of month preceding filing of application.)

None in mine

(b) Maximum feasible employment with existing facilities.

(1) Single shift operation.

None in mine
5 in buildings

(2) Multiple shift operation (specify how many shifts).

5 in buildings (1 shift only).

(c) Estimated additional employees required by the use of the funds applied for. 20

7. Timing

(a) On what date(s) are the requested funds needed? We can start operations now.

(b) On what expected date(s) will applicant begin to use such funds and obtain output from the use of such funds? Wherever possible, give planned schedule of output.

See plat attached. Drifting 500' as proposed in #2 tunnel should block 20,000 tons of 10% ore (5% lead and 5% zinc) in three months. A mill can be installed and put in operation by Dec. 1, 1950. Auxiliary buildings can be erected during mining operations.

8. Output from the use of funds applied for will be for the following purposes:
a. For the following principal prime defense contracts (if any) with the United States Government:

Date of contract (a)	Contracting Government Agency (b)	Program symbol (2 digits) or other contract identification (c)	Materials or services (d)	Delivery date(s) (e)	Amount (Dollars) (f)

~~Bulk ore and / or concentrates from the ore will be sold to custom smelters who will distribute metals to defense contractors according to Government regulations.~~

b. For the following subcontracts (if any) with U.S. Government prime defense contractors:

Date of contract (a)	Materials or services (b)	Supplied to (Give name and address of firm) (c)	Delivery date(s) (d)	(e) Government agency receiving end product or services / (f) Program symbol (2 digits) or other contract identification	Amount (Dollars) (g)
		Same as #8		(e) / (f)	
				(e) / (f)	
				(e) / (f)	

c. For the following classes or types of customers not covered by contracts listed above (list materials or services to be provided and, wherever possible, also indicate final product use):

None

9. **Feasibility**

(a) Estimate anticipated requirements for manpower, equipment, raw materials, energy, fuel, transportation facilities, water supply, housing, community facilities, and other factors of production, for (1) preparation of the facilities and (2) actual operation thereof. (The estimates may be limited to those factors of substantial significance to the preparation and operation of the facilities for which the funds are intended.)

The Company has available 20 experienced miners to put on this job. Our raw material is ore and our concentrates will be trucked to the East Helena Smelter and to the Anaconda zinc smelter at Great Falls over good roads. Mill Creek can furnish all the power (water) we will ever need. The mill site is 5 miles from a power line. A thick growth of fir and pine timber cover the region, a source of supply for all buildings and mine timbers. Good second hand and new machinery is available.

(b) Discuss and evaluate the availability of each of the above factors in the area(s) where the funds will be used.

There could be no question about the availability in the area of each of the above factors.

10. The following applications for necessity certificates for tax amortization (Under Section 124A of the Internal Revenue Code) for facilities at the location(s) covered by this application have been filed since January 1, 1950.

Date of application (a)	Government file number (b)	(Estimated) Total of facilities in dollars on each application (c)	(d) If final action has been taken, give date of	
			Issuance	Denial

11. **Recent Efforts to Obtain Credit**

(a) Banks—List names and addresses of all Banks of Deposit of Applicant within the last 5 years: *(Mark with an asterisk (*) bank or banks in which deposits are now kept)*

11. **Recent Efforts to Obtain Credit** - Continued

(b) State efforts to obtain credit, within 60 days preceding date of application, from banks, the Reconstruction Finance Corporation, or other sources, results, and reasons if refused. (NOTE.- Section 302 of the Defense Production Act of 1950 states that a loan may be extended "only to the extent that it is not otherwise available on reasonable terms." Accordingly, Applicant should show that it has applied to each bank named in (a) above, or explain the reason for not doing so. The fact that a loan of the particular maturity and terms applied for is refused by a bank or banks is not sufficient to comply with the statute, if credit on reasonable terms is available. State whether a bank will participate in the loan, and if so, state name of bank and amount of participation. Full particulars must be given.) List the names and addresses of banks and other lending institutions to which applications for credit have been made, and in each case state date of application, amount of credit available, if any, maximum term for which credit is available, what consideration, if any, was given to possible guarantee of loan under Federal Reserve Regulation V, and reason for refusal or reason loan was not obtained. Indicate whether or not application was definitely refused for further credit on any basis.

Within the last two weeks the writer (A. E. Harris) consulted with the Salt Lake Office of the RFC in regard to mining loans and was advised by that Office that their loaning power extended to 30%-40% of the value of machinery or quick assets on the property. This would be insufficient funds to carry out any reasonable program planned for this property. Banks are out of the question in this locality. Since the Defense Production Act of 1950 was passed for the purpose of financing this type of property it is only natural that we expect the finances to come from that source.

12. What other forms of government financial assistance, if any, have been received or requested by the applicant in connection with the purposes of the loan herein applied for? If applicant plans to request such assistance in the future, give details.

None

13. **HISTORY, MANAGEMENT, LEASED AGREEMENTS, INSURANCE, ETC.**

These subjects should be fully covered in statements attached hereto. Outline past management experience or other basis for showing competence of the Applicant to perform in accordance with expressed purpose of the application. If plant was purchased, state price, form and terms of payment, date of purchase, from whom and under what circumstances purchase was made. If it is proposed to construct or acquire new facilities (including equipment), state estimated cost and basis of such estimate, form and terms of payment, and from whom purchases of facilities will be made. State whether Applicant, or the business or plant, has been in receivership, bankruptcy, Chapter X, XI or XII, in hands of creditors, committee, or whether Applicant has effected a compromise with creditors, and if so, discuss fully. Indicate whether business is conducted in leased premises and whether any facilities are leased from others and describe terms of any lease agreements. List type and amount of insurance carried on plant property. Describe briefly any pending or threatened litigation affecting Applicant. See letter attached Re. #13.

14. NAMES AND ADDRESSES OF OFFICERS, DIRECTORS, OR PARTNERS, AND IN ADDITION THERETO, THE FIVE LARGEST STOCKHOLDERS IF 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 Applicant (d)	Number of shares held in applicant: Common (e)	Number of shares held in applicant: Preferred (f)	Life insurance carried for benefit of Applicant: Amount (g)	Life insurance carried for benefit of Applicant: Net cash surrender value after loans (h)
	D	None	$ 750,000.00			None	
	stockholder	None	1500,000.00			None	
	stockholder	None	1000,000.00			None	
	stockholder	None	500,000.00			None	
	D	None	60,000.00			None	
	D	None	30,000.00			None	
	stockholder	None	75,000.00			None	
	stockholder	None	250,000.00			None	
	Total		x x x x x			x x x	x x x

15. 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	$	$	$		

16. PURCHASE AND SALES RELATIONS WITH OTHERS

Does Applicant buy from, sell to, or use the services of, any concern or partnership in which an officer, director, large stockholder, or partner of the Applicant has a substantial interest? If not, so state. If so, give names of such officers, directors, stockholders, and partners, and names of such concerns or partnerships.

To the writer's knowledge none of the directors or stockholders have interests in machinery houses or smelters which would have any bearing on this loan. We know how to buy and how best to spend money. Any loan money will go where this application provides without any remuneration to any of the persons referred to.

Does any officer, director, large stockholder, or partner of Applicant receive any commission, bonus, or other payment in cash or services from any concern or partnership with which Applicant has business dealings? If not, so state. If so, give names of such officers, directors, stockholders, or partners and amounts of such commissions, bonuses, or payments.

N O N E

17. COMPENSATION SCHEDULE

INSTRUCTIONS: The schedule shall show the amount of compensation being paid to all employees of Applicant receiving compensation at a rate in excess of $10,000 per annum, including employees paid on a part-time basis where the rate of compensation exceeds $10,000 per annum computed on a full-time basis. If Applicant is a corporation, the schedule should show the compensation, regardless of amount, being paid to all officers, directors, and such stockholders as have an interest in Applicant's business of 10 percent or more. If Applicant is a partnership, the schedule should show the compensation being paid to, or being withdrawn by, all partners for their personal use. If Applicant is an individual, the schedule should show the amount being withdrawn by Applicant for his personal use. In each case the listed person's connection with the business should be indicated (i.e., whether an officer, director, stockholder, partner, owner, etc.). The calendar basis for the compensation should likewise be shown. Attorneys or firms of attorneys on a regular retainer or salary basis should be included. The schedule should include a separate notation indicating the source and amount of any compensation being paid by a company or firm directly or indirectly controlling, affiliated with, or controlled by, Applicant. If the space provided herein is insufficient, the schedule should be continued on the reverse side or appropriate continuation sheets should be attached.

No $10,000 man nor $5,000 man is going to dip into this deal

Orville Eschlie, Rexburg, Idaho
Clarence Siddoway, Teton, Idaho
James Webster, Rexburg, Idaho
D. G. Taylor, Rexburg, Idaho
John Collins, Dillon, Montana
A. E. Morris, Rexburg, Idaho
J. W. Cushing Est., Dillon, Montana
James Bridge, Teton, Idaho

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17. **COMPENSATION SCHEDULE** - Continued
The term "compensation", as used herein and such schedule, shall include all salaries, fees, bonuses, commissions, retainers, regular drawing accounts, and other payments, direct or indirect, in money or otherwise, for personal services.

Name (a)	Position (b)	Compensation paid during previous fiscal year (c)	Present compensation (d)
Until this loan is paid there will be no salaries above $400/mo. for Mine Mgr. only. Regular miners' daily wages will be paid. A metallurgist fee on process and mill construction will be paid.			

18. **COLLATERAL**
(a) The applicant offers the following described collateral as security for repayment of the loan applied for.

Description (a)	Date acquired (b)	Cost (c)	Book Value (Net) (d)	Appraised* value (e)
Property now held:				
Mining claims	Since 1938	$10,000	70,000	70,000
To be acquired:				
Mine and mill plant		70,000	70,000	70,000
When the mine is developed and the mill in operation the property will be worth $500,000.				

* This column need be filled in only if a recent appraisal has been made. If so, identify appraiser below.

Name (a)	Title (b)	Date (c)
A. E. Harris	Mining Geologest & Engr.	January 1, 1951

(b) Describe existing liens, if any, on property listed above.

None

EXHIBIT A - CURRENT FINANCIAL STATEMENT

As of _____

(Date not more than 30 days prior to date of application)

ASSETS

CURRENT ASSETS

1. Cash			$ None
2. Notes receivable		$ None	
Less reserve for doubtful notes			
3. Accounts receivable:			
Current	$ None		
Past due not over 4 months			
Past due over 4 months		$	
Less reserve for doubtful accounts		None	
4. Inventories:			
Raw materials (ore in sight)	$ 88,000(net)(6300 tons)		
Work in process			
Finished goods		$ 88,000	
Less reserve for inventory losses		88,000	88,000
5. Other current assets (describe)			
TOTAL CURRENT ASSETS			$ 88,000

FIXED AND OTHER ASSETS

6. Plant used in business:			
Land	$ 70,000		
Buildings	1,000		
7. Machinery			
8. Equipment, furniture, and fixtures		$ 71,000	
Less reserve for depreciation			71,000
9. Investments—stocks and bonds			
10. Investments in affiliated companies			
11. Receivables due from affiliated companies			
12. Real estate not used in business			
13. Due from officers, directors, employees, stockholders			
14. Deferred charges			
15. Other assets			
TOTAL ASSETS			$ 159,000

LIABILITIES

CURRENT LIABILITIES

16. Notes payable (see schedule 1, page 10):			
Banks		$ None	
Trade creditors		None	
Officers, stockholders, relatives		None	
Insurance companies		None	$ None
17. Accounts payable			None
18. Other current liabilities:			
Delinquent taxes — Real estate		$ None	
Delinquent taxes — Federal		None	
Wages and salaries		None	
Due officers		None	
Accrued interest, rent, taxes, wages, etc.		None	
			None
TOTAL CURRENT LIABILITIES			$

FIXED AND OTHER LIABILITIES

19. Machinery liens			None
20. Mortgage debts (see schedule 2, page 10)			None
21. Bonds or debentures (see schedule 2, page 10)			None
22. Other liabilities	Capitalization 1500 shares @$10		None

NET WORTH

23. Common stock (if Applicant is incorporated)		$ 19,000	
24. Preferred stock (if Applicant is incorporated)		None	
25. Surplus (if Applicant is incorporated)			19,000
26. Capital and Surplus Account (if Applicant is partnership or individual)			
TOTAL LIABILITIES			$ 19,000

27. Contingent liabilities (explain) _____ $

NOTE.— Submit copy of last available audit or of financial statement at close of last fiscal period (if such date differs from date of above statement).

SCHEDULE I - Notes Payable (in detail)

Name and address	Maturity	Amount	State amount and character of collateral	Name of guarantor(s) and/or endorser(s)
	NONE			

SCHEDULE 2 - Mortgage Debt (real estate and/or chattels) or Bond Issue

Names and addresses of holders	Date of maturity	Interest rate	Unpaid principal amount	Date to which interest is paid
		NONE	$	
TOTAL	XXXXXXX	XXXXXX	$	XXXXXXXXXXXXXXXXX

If mortgage secures a bond issue, state whether bonds are principally held by management and/or stockholders or by others, and attach copy of mortgage indenture.

EXHIBIT B - CONDENSED COMPARATIVE STATEMENT OF INCOME AND EXPENSES

For years ended _____
(Insert date of end of fiscal year)
(000.00 omitted)

	(Figures for 3 preceding years)			Current year as of date of Exhibit A
	19	19	19	
1. Net sales				
2. Cost of goods sold				
3. Gross profit on sales (line 1 minus line 2)				
4. Other income (itemize)				
5. Total (line 3 plus line 4)				
6. Salaries (officers or partners)*				
7. Selling and all other expenses				
8. Total of lines 6 and 7		NONE		
9. Profit or loss before depreciation and Federal taxes (line 5 minus line 8)				
10. Depreciation				
11. Federal Income and Excess Profits Taxes				
12. Net profit or loss (line 9 minus lines 10 and 11)				
ANALYSIS OF SURPLUS				
13. Total surplus at beginning of period				
14. Net profit or loss for period				
15. Line 13 plus line 14 if profit; line 13 minus line 14 if loss				
Add:		NONE		
16. Surplus paid in during period				
17. Surplus resulting from revaluation of assets				
18. Other additions to surplus (itemize)				
19. Total of lines 15 to 18, inclusive				
Deduct:				
20. Dividends				
21. Other charges to surplus (itemize)				
22. Total of lines 20 and 21				
23. Surplus at end of period (line 19 less line 22), MUST AGREE WITH SURPLUS AS SHOWN IN BALANCE SHEETS				

* To include all payments of any kind (commissions, bonuses, withdrawals) to officers or partners.

NOTE—If years included in the above tables are not adequately representative of applicant's financial experience, information may be submitted for additional years.

EXHIBIT C - CONDENSED COMPARATIVE STATEMENT OF CONDITION

For years ended January 1, 1951
(Insert date of end of fiscal year)

(000.00 omitted. Use figures to nearest thousand. For instance, the figure $3,489.36 should be written as 3; the figure $3,689.36 should be written as 4)

ASSETS	(Figures for 3 preceding years) 19	19	1950	Current year as of date of Exhibit A
CURRENT ASSETS:				
1. Cash				
2. Receivables (after deducting reserves)				
3. Inventories				
4. Other current assets:				
TOTAL CURRENT ASSETS				
FIXED AND OTHER ASSETS:				
5. Plant accounts (before depreciation):				
Machinery, equipment, etc.				
Delivery equipment				
Real estate and buildings used in business				
6. Other assets (as investments, real estate not used in business, etc.):				
Mining property			$70,000	$70,000
TOTAL ASSETS				$70,000
LIABILITIES				
CURRENT LIABILITIES:				
8. Notes payable				None
9. Accounts payable				None
10. Accrued liabilities				None
11. Other current liabilities:				None
TOTAL CURRENT LIABILITIES				None
FIXED AND OTHER LIABILITIES:				
12. Mortgage debts				None
13. Debentures				None
14. Other fixed liabilities:				None
RESERVES:				
15. Reserve for depreciation				None
16. Other reserves:				None
NET WORTH:				
17. Common stock (issued) (if Applicant is incorporated)				
18. Preferred stock (issued) (if Applicant is incorporated)				
19. Surplus (if Applicant is incorporated)				
20. Capital and surplus account (if Applicant is partnership or individual)				
TOTAL LIABILITIES				

NOTE— If years included in the above table are not adequately representative of applicant's financial experience, condition statements may be submitted for additional years.

EXHIBIT D

AGREEMENT AS TO COMPENSATION FOR SERVICES RENDERED OR TO BE RENDERED TO APPLICANT IN CONNECTION WITH APPLICATION AND/OR LOAN

To induce the United States Government and its agencies to make a loan under Sec. 302 of the Defense Production Act of 1950 to None (hereinafter called "Applicant") and in consideration of the making of a loan to Applicant, the undersigned, having been retained by Applicant for the purpose of rendering professional or other services in connection with its application for a loan or loans, hereby represents, warrants, and agrees that the undersigned has not been paid, has not made any agreement with the Applicant to be paid, and has not procured any person to pay or agree to pay, and will not, directly or indirectly, charge or receive any bonus, fee, or commission in any form in connection with the said application for, or the obtaining of, the loan applied for by the Applicant, or any compensation in any form for services rendered or to be rendered in connection therewith except for the services and in the amounts stated below:

Name	Description of services	Amount paid	Amount to be paid
		$	$

To induce the making of the loan and the employment of the undersigned by Applicant, the undersigned hereby further warrants, covenants and agrees, upon the consideration herein specified, and in consideration of the employment of the undersigned by Applicant, as above recited, that if the amount of compensation stated above for any such services shall not be deemed reasonable by any agency of the United States Government, the undersigned will reduce the charge for such services to such amount as shall be deemed reasonable by such agency, and will not, directly or indirectly, charge or collect from the Applicant or any other person, any sum in excess of the amount so deemed reasonable; and that if the undersigned has heretofore collected, from the Applicant or any other person, as compensation for any such services, any amount deemed by such agency to be unreasonable, the undersigned will refund to Applicant or such other person such sums as are in excess of the amount deemed reasonable. The undersigned further warrants, covenants and agrees that if the amount of the compensation for any such services is not determinable at the date of application, or is not stated above, it will not collect or charge any sum as compensation for such services without the prior written approval of the Government agency with which this application is officially filed as to the nature of the services for which such compensation is to be paid and the amount of such compensation.

Bridger Mining Company
(A Montana Corporation)

ss: _____

ss of witness: _____

Dated _____, 19____

President

Sec'y.

NOTE—Corporations must execute foregoing certificate in corporate name, by duly authorized officer, and seal must be affixed and duly attested; partnerships must execute in firm name, together with signature of a general partner. If no compensation is paid or to be paid for services rendered in connection with application or loan, this should be so stated and the Applicant should sign this Exhibit.

CERTIFICATION

The Applicant hereby certifies that the statements made in the foregoing application, and all exhibits and documents submitted in connection therewith, are true and correct statements to the best of Applicant's information and belief and are submitted as a basis for credit. The Applicant agrees to reimburse any agency of the United States Government upon demand for any expenses incurred in connection with or arising out of this application or any loan made pursuant hereto.

Dated _____, 19____

Witness: (For individual applicants)

_____ _____ (Signature)

Witness: (For partnership applicants)

_____ _____ (Full name of firm)

By _____, a general partner.
(Signature)

(For corporate applicants)

(CORPORATE SEAL)

Bridger Mining Company
(Full corporate name of Applicant)

Attest: _____ (Signature) Secy.

By _____ (Signature) _____ (Title)
Mgr. Director

The United States Criminal Code, 18 U.S.C., Sec. 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: 1950 O - 916171

Dma-793

BRIDGER MINING COMPANY
DILLON, MONTANA
Feb. 20, 1951

Dr. James Boyd, Administrator
Defense Minerals Administration
Dep't. of Interior
Washington 25, D. C.

Dear Sir:

In reference to section 13 page 6 of the application hereto attached:

HISTORY

The property has been acquired by the regular filing of mining claims in accordance with the State Laws of Montana and Laws of the United States. The presence of old caved workings in favorable geological conditions led the writer to study the District and take up the claims. For this purpose and to do some exploration on the property two interests associated themselves namely the Montana Interests (W. J. Cushing, John Collins, A. E. Harris) and the Idaho Interests represented by D. G. Taylor Trust which included six members. D. G. Taylor, Orvalle Boehlke, Edward Levine, James Briggs, Clarence Siddoway and James Webster, all from the Rexburg, Idaho locality.

In 1939 the group spent $3000 in the old works on the Morgan claim and shipped a small car of 49% lead to the East Helena Smelter. We did not sample for zinc. The shippment was mined from a faulted block not previously discovered. It did represent the ore grade mined by early miners in the late '90ts. The price of lead then precluded any further work. After war 11 we started opening the old works on the September Morn Claim in mill grade ore. After spending $3000 the price of lead and zinc fell and we stopped work again. In all the property has cost the group about $10,000. We are now ready to reopen the property.

MANAGEMENT

It is the writers job to mamage the mining affairs of this group and parts of the group. They have mined and operated the Yellow Jacket Mine at Forney, Idaho, the Horn Silver Mine (Era Mining Co.) and Paymaster Mine at Arco, Idaho, they own the Nevada Mine (copper) in Montana and are now participating in active mining operations in the Hailey, Idaho area.

The writer has operated in Old Mexico in the 20ties for the Zapotillo, Potraro, Magistral and Bank of Sonora Interests and since then in the mining districts of the U. S. There will be no reason why the management cannot coordinate the mine work in harmony with reasonable requirements made by experienced men representing the Bureau.

LEASE AGGREEMENTS AND INSURANCE

None.

A. E. Harris

Feb. 21, 1951

Mr. James Boyd, Administrator
Defense Minerals Administration
Dept. of Interior
Washington 25, D. C.

Dear Sir:

In reference to question 13 page 5 of the application Mineral Economics(?)

HISTORY

The property has been acquired by the regular filing of mining claims in accordance with the State laws of Montana and laws of the United States. The presence of old caved workings, favorable geological conditions led the writer to study the district and tie up the lands. For this purpose and to do such work on the property the interests associated [illegible] the following individuals: [illegible], John Collins, [illegible], and [illegible] interests represented by [illegible] Taylor [illegible]. R. G. Taylor, Orville Neville(?), [illegible], [illegible] and James [illegible], all from [illegible], Idaho [illegible].

In 1939 the writer(?) spent $2000 in drifts and workings on the Cornish(?) claim and shipped a small car of [illegible] lead to [illegible]. He did not [illegible]. [illegible] a faulted block not previously discovered. [illegible] the ore was mined by early miners in the late [illegible]. The price of lead then precluded any further work. [illegible] the old [illegible]. [illegible] 2000 the price of lead and zinc fell [illegible]. All the property was [illegible] $10,000 [illegible] reopen the property.

LABOR(?)

It is the writer's job to manage the mining activities of the group and parts of the group. They have developed and operated the Yellow Jacket Mine [illegible], Idaho, the [illegible] Silver Mine ([illegible] Idaho [illegible]) and operated [illegible], Idaho, they own the [illegible] in Montana and are now [illegible] operating [illegible].

The writer was [illegible] in [illegible] Mexico [illegible] in [illegible], [illegible] and [illegible] interests [illegible]. [illegible] operations [illegible].

[illegible]

Page 2(?)

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MINE EXAMINATIONS
AND APPRAISALS

A. E. HARRIS
GEOLOGIST
Rexburg, Idaho
Feb. 21, 1951

Board of Directors
Orvalle Boehlke, Managing Director
Bridger Mining Company
Box 166
Dillon, Montana

Gentlemen:

The following report on the Pass Creek Mine is prepared with four copies for the purpose of submitting same with your mine loan application to the Administrator of the Defense Minerals Administration, Washington 25, D. C. In particular the report is intended to more fully cover question #13, page 6 of the application.

Your attention is called to the fact that a representative, Mr. Wilder Brinton, of the Helena Office of the Bureau of Mines made an examination of the property for that Office during war 2 in connection with our proposal for a new road program. A copy of his report should be in the files of the Washington Office of the Bureau of Mines and thus become available to the Administrator, of the Defense Minerals Administration. I understand that Mr. Dingman, head of the Butte School of Mines and a Mr. Evans of Washington D. C. made reports to the Company sometime in 1947.

The property is located in the Gallatin National Forest of Montana. It may be reached over good roads by driving North from Belgrade, Montana some 18 miles to the Roy Calentine Ranch, thence East 3 miles to the property and lower tunnel. The RR Station of Minard on the Milwaukee Branch Line is situated 5 miles West and 1 mile North of the property.

The mine is located in a heavily timbered rough mountainous area and drift mining for over 1100' in elevation is ideal.

The veins are true fissures in dacite country rock with a gangue filling of calcite and chalcedony mineralized with lead-zinc sulphide ores. The sulphides extend to grass roots. No oxidation zone exists. The calcite-chalcedony filling erodes faster than the country rock and 10'-15' of excavation is necessary to find the veins. For this reason the district is new to modern mining interests because only a very limited amount of exploration has been done which is in evidence.

In 1939 the Company shipped one small car of 49% lead from the old workings in the Morgan Claim. This ore was mined from a small block overlooked by the early miners. From 1890-1900 the Morgan Claim was worked for high grade lead ore. At the same time mill grade ore was found on the September Morn and Gallatin claims. In 1921-1922 ore was shipped from these two claims. Low prices shut the operation down. The mineralization in the three claims may be on the same vein. Surface buldozing would easily determine the continuity of the veins. In 1938-1939 this Company took the property up and at various times since have attempted to exploit it but each time the downward fluctuation of metal prices stopped the operations. The upper tunnel on the September Morn Claim is 250' long and on ore all the way. Important branching of the vein is noted. This branching is supposed to be confined in a wide fault zone which strikes North and South. In the upper

tunnel is exposed 6000 tons of ore (according to the Hoover method of estimating) above and below the tunnel. In 1939 the writer examined the lower tunnel then in bad condition. It is a X-cut to the vein where some drifting and stoping was done by the 1921 operation. Considerable zinc ore with lead values came from this drift and left in the dump.

The ore sampled in the upper tunnel ran 7%-8% lead and zinc and a general grab sample from the 200 tons on the dump ran 15% metal equal in lead and zinc content. In excavating for the discovery cut on the July Claim lead float was found existing in the overburden.

With prices as now existing the property merits a strong development program. I recommend that the lower tunnel be extended 800' and that a raise be driven to the first level at the 500' station. The work to be done in accordance with the attached plat. At the 800' station the Gallatin ore shoot should be picked up. The writer believes that ore will be found all the way on the vein portion of the drift. This should develop enough ore to justify the building of a mill on Mill Creek. Plans now laid would accomplish this work and improvement within the year.

The mine is very favorably situated, 2 miles off the Gallatin Valley dryfarm area, 20 miles from the supply town of Belgrade, 80 miles from East Helena Smelter and favorable trucking distance from the zinc smelter at Great Falls, favorable for winter operations, abundant timber supply for all purposes, drift mining for 1100' in elevation, good ore, Forest Service will build all access roads for future mine extension explorations and the property could be in the heart of a new lead-zinc district.

The writer believes this property and district should be extensively explored with the view that there could be found a net work of hidden veins. The dacite extrusives extend Northward 3 miles and Southward 20 miles and from 5-7 miles wide. It comprises the West flank of the Bridger Range of Mountains in this area. No known work (geological or prospecting) has been done on the contact of the uplifted sediments to the East (8000'-10,000') and the dacite flow to the West. (See Professional Paper #1 USGS). Ore values will range from high grade shipping to low grade milling ore. For the purpose of separation of the lead and zinc minerals all ores should be milled on the property.

With the favorable price outlook for these ores the property seriously merits exploitation at this time.

Respectfully submitted

A. E. Harris

A. E. Harris

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Form NSRB-146
(Nov. 1950)

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.

UNITED STATES GOVERNMENT

NOV 16 3 40 PM '51

APPLICATION FOR GOVERNMENT LOAN

UNDER SEC. 302 OF

DEFENSE PRODUCTION ACT OF 1950

FORM APPROVED
BUDGET BUREAU NO. 25-R002

AMOUNT OF LOAN REQUESTED

TERMS OF LOAN REQUESTED

DATE OF APPLICATION

NAME AND ADDRESS OF APPLICANT *(Street, City, Zone, State)*

Bridger Mining Company
(A Montana Corporation)
Dillon, Montana
C/O Collins & Burns
Attorneys and Counselors
Box 166
Dillon, Montana

TO BE FILLED IN BY DELEGATE AGENCY

(DATE RECEIVED)

COMM.

AGRIC.

INT.

D.T.A.

FILE NO.

INSTRUCTIONS

Application should be filed with the Department of Commerce, Department of Agriculture, Department of Interior, or the Defense Transport Administration, whichever has the primary interest in the facilities, products, or processes involved. However, for convenience of the applicant, he may file with any government agency with which he has contract or other pertinent relationships and such agency will arrange for the transmittal of the application to the appropriate office.

Submit four (4) signed copies of the application. Name and address of applicant should be stamped or typed for identification of each sheet of the application and all accompanying papers. When a question is inapplicable, this should be so stated on the form. Additional sheets may be attached in answering any questions or in providing other supporting information.

1. PURPOSE OF LOAN

Give a brief general statement of the purpose of the loan requested, including in the table below estimated amounts for such major purposes as land acquisition, building construction, purchase of plant, purchase of equipment, working capital, repayment of debt, etc. Statement should make clear whether funds will be used for expansion of capacity, development of technological processes, or production of essential materials.

General Statement

This loan is requested for the purpose of expanding the productive capacity and supply of strategic critical minerals, as provided in the Defense Production Act of 1950. Lead and zinc minerals will be produced.

NATURE OF EXPENDITURE	AMOUNT
Buildings	$10,000
Mine plant (Compressors, rails, pipe, cars, tools, mucking machine & trammer)	20,000
Mill (Concentrating 75-100 tons)	50,000
Labor in mine development	20,000
Total amount applied for	$100,000

2. PROPOSED METHOD FOR REPAYMENT OF LOAN

State sources of funds, and proposed schedule of repayment

Source of funds to be from U. S. Government as provided by Defense Production Act of 1950. Loan to be repaid from returns from mineral production and guaranteed by lien on plant and mineral production returns. If necessary a lien upon the mine, valued at $70,000, will be given as additional guarantee.

3. NATURE OF BUSINESS AND DESCRIPTION OF PROJECT

Describe fully the business activity for which the funds are intended. In so doing, identify the materials and services to be produced, describe the facilities and processes involved, and explain in detail any research activity and the nature of the results expected. Attach blueprints and specifications, if available, and furnish other technical details to the extent that they are not covered elsewhere in the application.

The business activity for which funds are intended is the mining and supplying strategic critical lead and zinc minerals and thereby helping to relieve the National mineral shortage.

4. Relationship to National Defense. Explain carefully how the expenditure of the funds will contribute to national defense. As a part of such explanation, the following questions should be answered to the extent possible:

(a) What evidence exists as to current shortages of the materials or services to be produced?

Congress passing a Defense Production Act of 1950 makes it evident a shortage in minerals does exist.

(b) What evidence exists as to future shortages of the materials or services to be produced?

For the past 30 years no new discoveries, in this country, of large lead, zinc or copper mines have been made. Known large deposits are being depleted and demands have increased 100 times during this period. Unless new discoveries are made in this country shortages cannot be met. For these discoveries adventure capital, both private and Government must be made available.

(c) Are such shortages, if any, regional or national in scope?

The shortages are National in scope.

(d) In what respects will the use of the funds aid directly in expediting the carrying out of government defense contracts? (A listing of defense contracts, if any, held by applicant is required in item 8 below.)

All Government contracts requiring lead and zinc metals will be directly benefited by this operation.

4. Relationship to National Defense - Continued

(e) In what respects will the use of the funds aid indirectly in expediting the carrying out of government defense contracts or related operations?

Besides being used extensively as metals lead and zinc are used in numerous alloys all of which are both directly and indirectly related to all defense operations.

(f) Are there available alternative methods or facilities to accomplish the same purpose as that for which these funds are intended? (For instance, unused capacity, possibility of multiple shift operations, idle facilities, readily convertible equipment, sub-contracting?) If answer is yes, explain why alternatives are not used.

No

5. Maximum Designed Production

List separately materials or services identified in item 3 (a)	Unit of measure (b)	Maximum designed production with existing facilities (c)	Average percentage of maximum designed production used in quarter preceding filing of application (d)	Maximum designed production including use of funds applied for (e)
lead (metal)	lb.	None	None	3,000,000/yr.
zinc "	lb.	"	"	3,000,000/yr

6. Employment

(a) Number currently employed at location(s) where funds are to be used. (Use pay period ending nearest 15th of month preceding filing of application.) None in mine

(b) Maximum feasible employment with existing facilities.

(1) Single shift operation. None in mine
5 in buildings

(2) Multiple shift operation (specify how many shifts). None in mine
5 in buildings (1 shift only).

(c) Estimated additional employees required by the use of the funds applied for. 20

7. Timing

(a) On what date(s) are the requested funds needed? We can start operations now.

(b) On what expected date(s) will applicant begin to use such funds and obtain output from the use of such funds? Wherever possible, give planned schedule of output.

See plat attached. Drifting 500' as proposed in #2 tunnel should block 20,000 tons of 10% ore (5% lead and 5% zinc) in three months time. A mill can be installed and put in operation by Dec. 1, 1951. Auxiliary buildings can be erected during mining operations.

8. Output from the use of funds applied for will be for the following purposes:
a. For the following principal prime defense contracts (if any) with the United States Government:

Date of contract (a)	Contracting Government Agency (b)	Program symbol (2 digits) or other contract identification (c)	Materials or services (d)	Delivery date(s) (e)	Amount (Dollars) (f)
Bulk ore and/or concentrates from the ore will be sold to custom smelters who will distribute metals to defense contractors according to Government regulations.					

b. For the following subcontracts (if any) with U.S. Government prime defense contractors:

Date of contract (a)	Materials or services (b)	Supplied to (Give name and address of firm) (c)	Delivery date(s) (d)	(e) Government agency receiving end product or services / (f) Program symbol (2 digits) or other contract identification	Amount (Dollars) (g)
		Same as #8		(e) / (f)	
				(e) / (f)	
				(e) / (f)	

c. For the following classes or types of customers not covered by contracts listed above (list materials or services to be provided and, wherever possible, also indicate final product use):

None

9. **Feasibility**

(a) Estimate anticipated requirements for manpower, equipment, raw materials, energy, fuel, transportation facilities, water supply, housing, community facilities, and other factors of production, for (1) preparation of the facilities and (2) actual operation thereof. (The estimates may be limited to those factors of substantial significance to the preparation and operation of the facilities for which the funds are intended.)

The Company has available 20 experienced miners to put on this job. Our raw material is ore and our concentrates will be trucked to the East Helena Smelter and to the Anaconda zinc smelter at Great Falls over good roads. Mill Creek can furnish all the power (water) we will ever need. The mill site is 5 miles from a power line. A thick growth of fir and pine timber cover the region, a source of supply for all buildings and mine timbers. Good second hand and new machinery is available.

(b) Discuss and evaluate the availability of each of the above factors in the area(s) where the funds will be used.

There can be no question about the availability in the area of each of the above factors.

10. The following applications for necessity certificates for tax amortization (Under Section 124A of the Internal Revenue Code) for facilities at the location(s) covered by this application have been filed since January 1, 1950.

Date of application (a)	Government file number (b)	(Estimated) Total of facilities in dollars on each application (c)	(d) If final action has been taken, give date of	
			Issuance	Denial

11. **Recent Efforts to Obtain Credit**

(a) Banks—List names and addresses of all Banks of Deposit of Applicant within the last 5 years: *(Mark with an asterisk (*) bank or banks in which deposits are now kept)*

11. **Recent Efforts to Obtain Credit** - Continued

(b) State efforts to obtain credit, within 60 days preceding date of application, from banks, the Reconstruction Finance Corporation, or other sources, results, and reasons if refused. (NOTE.- Section 302 of the Defense Production Act of 1950 states that a loan may be extended "only to the extent that it is not otherwise available on reasonable terms." Accordingly, Applicant should show that it has applied to each bank named in (a) above, or explain the reason for not doing so. The fact that a loan of the particular maturity and terms applied for is refused by a bank or banks is not sufficient to comply with the statute, if credit on reasonable terms is available. State whether a bank will participate in the loan, and if so, state name of bank and amount of participation. Full particulars must be given.) List the names and addresses of banks and other lending institutions to which applications for credit have been made, and in each case state date of application, amount of credit available, if any, maximum term for which credit is available, what consideration, if any, was given to possible guarantee of loan under Federal Reserve Regulation V, and reason for refusal or reason loan was not obtained. Indicate whether or not application was definitely refused for further credit on any basis.

Within the last two weeks the writer (A. E. Harris) consulted with the Salt Lake Office of the RFC in regard to mining loans and was advised by that Office that their loaning power extended to 30%-40% of the value of machinery or quick assets on the property. This would be insufficient funds to carry out any reasonable program planned for this property. Banks are out of the question in this locality. Since the Defense Production Act of 1950 was passed for the purpose of financing this type of property it is only natural that we expect the finances to come from that source.

12. What other forms of government financial assistance, if any, have been received or requested by the applicant in connection with the purposes of the loan herein applied for? If applicant plans to request such assistance in the future, give details.

None

13. **HISTORY, MANAGEMENT, LEASED AGREEMENTS, INSURANCE, ETC.**

These subjects should be fully covered in statements attached hereto. Outline past management experience or other basis for showing competence of the Applicant to perform in accordance with expressed purpose of the application. If plant was purchased, state price, form and terms of payment, date of purchase, from whom and under what circumstances purchase was made. If it is proposed to construct or acquire new facilities (including equipment), state estimated cost and basis of such estimate, form and terms of payment, and from whom purchases of facilities will be made. State whether Applicant, or the business or plant, has been in receivership, bankruptcy, Chapter X, XI or XII, in hands of creditors, committee, or whether Applicant has effected a compromise with creditors, and if so, discuss fully. Indicate whether business is conducted in leased premises and whether any facilities are leased from others and describe terms of any lease agreements. List type and amount of insurance carried on plant property. Describe briefly any pending or threatened litigation affecting Applicant. See letter attached re. #13.

14. NAMES AND ADDRESSES OF OFFICERS, DIRECTORS, OR PARTNERS, AND IN ADDITION THERETO, THE FIVE LARGEST STOCKHOLDERS IF 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 Applicant (d)	Number of shares held in applicant: Common (e)	Number of shares held in applicant: Preferred (f)	Life insurance carried for benefit of Applicant: Amount (g)	Life insurance carried for benefit of Applicant: Net cash surrender value after loans (h)
	D		$ 750,000.00			None	
	stockholder		1,500,000.00			None	
	stockholder		1,000,000.00			None	
	stockholder		500,000.00			None	
	D		60,000.00			None	
	D		30,000.00			None	
	stockholder		75,000.00				
	stockholder		250,000.00				
	Total		x x x x x			x x x	x x x

15. 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	$	$	$		

16. PURCHASE AND SALES RELATIONS WITH OTHERS

Does Applicant buy from, sell to, or use the services of, any concern or partnership in which an officer, director, large stockholder, or partner of the Applicant has a substantial interest? If not, so state. If so, give names of such officers, directors, stockholders, and partners, and names of such concerns or partnerships.

To the writer's knowledge none of the directors or stockholders have interests in machinery houses or smelters which would have any bearing on this loan. We know how to buy and how best to spend money, Any loan money will go where this applications provides without any remuneration to any of the persons referred to.

Does any officer, director, large stockholder, or partner of Applicant receive any commission, bonus, or other payment in cash or services from any concern or partnership with which Applicant has business dealings? If not, so state. If so, give names of such officers, directors, stockholders, or partners and amounts of such commissions, bonuses, or payments.

N O N E

17. COMPENSATION SCHEDULE

INSTRUCTIONS: The schedule shall show the amount of compensation being paid to all employees of Applicant receiving compensation at a rate in excess of $10,000 per annum, including employees paid on a part-time basis where the rate of compensation exceeds $10,000 per annum computed on a full-time basis. If Applicant is a corporation, the schedule should show the compensation, regardless of amount, being paid to all officers, directors, and such stockholders as have an interest in Applicant's business of 10 percent or more. If Applicant is a partnership, the schedule should show the compensation being paid to, or being withdrawn by, all partners for their personal use. If Applicant is an individual, the schedule should show the amount being withdrawn by Applicant for his personal use. In each case the listed person's connection with the business should be indicated (i.e., whether an officer, director, stockholder, partner, owner, etc.). The calendar basis for the compensation should likewise be shown. Attorneys or firms of attorneys on a regular retainer or salary basis should be included. The schedule should include a separate notation indicating the source and amount of any compensation being paid by a company or firm directly or indirectly controlling, affiliated with, or controlled by, Applicant. If the space provided herein is insufficient, the schedule should be continued on the reverse side or appropriate continuation sheets should be attached.

No $10,000 man nor $5,000 man is going to dip into this deal.

Orvalle Boehlke, Rexburg, Idaho
Clarence Siddoway, Teton, Idaho
James Webster, Rexburg, Idaho
D. G. Taylor, Rexburg, Idaho
John Collins, Dillon, Montana
A. E. Harris, Rexburg, Idaho
J. W. Cushing Est., Dillon, Montana
James Bridge, Teton, Idaho

17. **COMPENSATION SCHEDULE** - Continued

The term "compensation", as used herein and such schedule, shall include all salaries, fees, bonuses, commissions, retainers, regular drawing accounts, and other payments, direct or indirect, in money or otherwise, for personal services.

Name (a)	Position (b)	Compensation paid during previous fiscal year (c)	Present compensation (d)
Until this loan is paid there will be no salaries above $400/mo. for Mine Mgr. only. Regular miners' daily wages will be paid. A metallurgist fee on process and mill construction will be paid.			

18. **COLLATERAL**

(a) The applicant offers the following described collateral as security for repayment of the loan applied for.

Description (a)	Date acquired (b)	Cost (c)	Book Value (Net) (d)	Appraised* value (e)
Property now held:				
Mining claims	since 1938	$10,000	70,000	70,000
To be acquired:				
Mine & Mill plant		70,000	70,000	70,000
When the mine is developed and the mill in operation the property will be worth $500,000.				

* This column need be filled in only if a recent appraisal has been made. If so, identify appraiser below.

Name (a)	Title (b)	Date (c)
A. E. Harris	Mining Geologist & Engr.	January 1, 1951

(b) Describe existing liens, if any, on property listed above.

None

EXHIBIT A - CURRENT FINANCIAL STATEMENT

As of January 1, 1951
(Date not more than 30 days prior to date of application)

ASSETS

CURRENT ASSETS

1. Cash			$ None
2. Notes receivable		$ None	
Less reserve for doubtful notes			
3. Accounts receivable:			
Current	$ None		
Past due not over 4 months			
Past due over 4 months		$	
Less reserve for doubtful accounts		None	
4. Inventories:			
Raw materials (ore in sight)	$ 88,000	(6300 tons)	
Work in process			
Finished goods		$ 88,000	
Less reserve for inventory losses		88,000	88,000
5. Other current assets (describe)			
TOTAL CURRENT ASSETS			$ 88,000

FIXED AND OTHER ASSETS

6. Plant used in business:			
Land	$ 70,000		
Buildings	1,000		
7. Machinery			
8. Equipment, furniture, and fixtures		$ 71,000	
Less reserve for depreciation			71,000
9. Investments—stocks and bonds			
10. Investments in affiliated companies			
11. Receivables due from affiliated companies			
12. Real estate not used in business			
13. Due from officers, directors, employees, stockholders			
14. Deferred charges			
15. Other assets			
TOTAL ASSETS			$159,000

LIABILITIES

CURRENT LIABILITIES

16. Notes payable (see schedule 1, page 10):			
Banks		$ None	
Trade creditors		None	
Officers, stockholders, relatives		None	
Insurance companies		None	$ None
17. Accounts payable			None
18. Other current liabilities:			
Delinquent taxes — Real estate		$ None	
Delinquent taxes — Federal		None	
Wages and salaries		None	
Due officers		None	
Accrued interest, rent, taxes, wages, etc		None	
			None
TOTAL CURRENT LIABILITIES			$ None

FIXED AND OTHER LIABILITIES

19. Machinery liens			None
20. Mortgage debts (see schedule 2, page 10)			None
21. Bonds or debentures (see schedule 2, page 10)			None
22. Other liabilities. Capitalization 1500 shares @ $10			None

NET WORTH

23. Common stock (if Applicant is incorporated)		$ 9,000	
24. Preferred stock (if Applicant is incorporated)		None	
25. Surplus (if Applicant is incorporated)			9,000
26. Capital and Surplus Account (if Applicant is partnership or individual)			
TOTAL LIABILITIES			$ 9,000

27. Contingent liabilities (explain) _____ $

NOTE.— Submit copy of last available audit or of financial statement at close of last fiscal period (if such date differs from date of above statement).

SCHEDULE 1 - Notes Payable (in detail)

Name and address	Maturity	Amount	State amount and character of collateral	Name of guarantor(s) and/or endorser(s)
		NONE		

SCHEDULE 2 - Mortgage Debt (real estate and/or chattels) or Bond Issue

Names and addresses of holders	Date of maturity	Interest rate	Unpaid principal amount	Date to which interest is paid
		NONE	$	
TOTAL	XXXXXXX	XXXXXX	$	XXXXXXXXXXXXXXXXX

If mortgage secures a bond issue, state whether bonds are principally held by management and/or stockholders or by others, and attach copy of mortgage indenture.

EXHIBIT B - CONDENSED COMPARATIVE STATEMENT OF INCOME AND EXPENSES

For years ended _____

(Insert date of end of fiscal year)

(000.00 omitted)

	(Figures for 3 preceding years) 19	19	19	Current year as of date of Exhibit A
1. Net sales				
2. Cost of goods sold				
3. Gross profit on sales (line 1 minus line 2)				
4. Other income (itemize)				
5. Total (line 3 plus line 4)				
6. Salaries (officers or partners)*		NONE		
7. Selling and all other expenses				
8. Total of lines 6 and 7				
9. Profit or loss before depreciation and Federal taxes (line 5 minus line 8)				
10. Depreciation				
11. Federal Income and Excess Profits Taxes				
12. Net profit or loss (line 9 minus lines 10 and 11)				
ANALYSIS OF SURPLUS				
13. Total surplus at beginning of period				
14. Net profit or loss for period				
15. Line 13 plus line 14 if profit; line 13 minus line 14 if loss		NONE		
Add:				
16. Surplus paid in during period				
17. Surplus resulting from revaluation of assets				
18. Other additions to surplus (itemize)				
19. Total of lines 15 to 18, inclusive				
Deduct:				
20. Dividends				
21. Other charges to surplus (itemize)				
22. Total of lines 20 and 21				
23. Surplus at end of period (line 19 less line 22), MUST AGREE WITH SURPLUS AS SHOWN IN BALANCE SHEETS				

* To include all payments of any kind (commissions, bonuses, withdrawals) to officers or partners.

NOTE—If years included in the above tables are not adequately representative of applicant's financial experience, information may be submitted for additional years.

Form NSRB-146 (Nov. 1950) | Name and address Bridger Mining Co., Dillon, Montana |

EXHIBIT C - CONDENSED COMPARATIVE STATEMENT OF CONDITION

For years ended January 1, 1951
(Insert date of end of fiscal year)

(000.00 omitted. Use figures to nearest thousand. For instance, the figure $3,489.36 should be written as 3; the figure $3,689.36 should be written as 4)

ASSETS	(Figures for 3 preceding years) 19	19	19 51	Current year as of date of Exhibit A
CURRENT ASSETS:				
1. Cash				
2. Receivables (after deducting reserves)				
3. Inventories				
4. Other current assets:				
TOTAL CURRENT ASSETS				
FIXED AND OTHER ASSETS:				
5. Plant accounts (before depreciation):				
Machinery, equipment, etc.				
Delivery equipment				
Real estate and buildings used in business				
6. Other assets (as investments, real estate not used in business, etc.):				
Mining property			$70,000	$70,000
TOTAL ASSETS				$70,000
LIABILITIES				
CURRENT LIABILITIES:				
8. Notes payable				None
9. Accounts payable				None
10. Accrued liabilities				None
11. Other current liabilities:				None
TOTAL CURRENT LIABILITIES				None
FIXED AND OTHER LIABILITIES:				
12. Mortgage debts				None
13. Debentures				None
14. Other fixed liabilities:				None
RESERVES:				
15. Reserve for depreciation				None
16. Other reserves:				None
NET WORTH:				
17. Common stock (issued) (if Applicant is incorporated)				
18. Preferred stock (issued) (if Applicant is incorporated)				
19. Surplus (if Applicant is incorporated)				
20. Capital and surplus account (if Applicant is partnership or individual)				
TOTAL LIABILITIES				

NOTE— If years included in the above table are not adequately representative of applicant's financial experience, condition statements may be submitted for additional years.

EXHIBIT D

AGREEMENT AS TO COMPENSATION FOR SERVICES RENDERED OR TO BE RENDERED TO APPLICANT IN CONNECTION WITH APPLICATION AND/OR LOAN

To induce the United States Government and its agencies to make a loan under Sec. 302 of the Defense Production Act of 1950 to None (hereinafter called "Applicant") and in consideration of the making of a loan to Applicant, the undersigned, having been retained by Applicant for the purpose of rendering professional or other services in connection with its application for a loan or loans, hereby represents, warrants, and agrees that the undersigned has not been paid, has not made any agreement with the Applicant to be paid, and has not procured any person to pay or agree to pay, and will not, directly or indirectly, charge or receive any bonus, fee, or commission in any form in connection with the said application for, or the obtaining of, the loan applied for by the Applicant, or any compensation in any form for services rendered or to be rendered in connection therewith except for the services and in the amounts stated below:

Name	Description of services	Amount paid	Amount to be paid
		$	$

To induce the making of the loan and the employment of the undersigned by Applicant, the undersigned hereby further warrants, covenants and agrees, upon the consideration herein specified, and in consideration of the employment of the undersigned by Applicant, as above recited, that if the amount of compensation stated above for any such services shall not be deemed reasonable by any agency of the United States Government, the undersigned will reduce the charge for such services to such amount as shall be deemed reasonable by such agency, and will not, directly or indirectly, charge or collect from the Applicant or any other person, any sum in excess of the amount so deemed reasonable; and that if the undersigned has heretofore collected, from the Applicant or any other person, as compensation for any such services, any amount deemed by such agency to be unreasonable, the undersigned will refund to Applicant or such other person such sums as are in excess of the amount deemed reasonable. The undersigned further warrants, covenants and agrees that if the amount of the compensation for any such services is not determinable at the date of application, or is not stated above, it will not collect or charge any sum as compensation for such services without the prior written approval of the Government agency with which this application is officially filed as to the nature of the services for which such compensation is to be paid and the amount of such compensation.

Bridger Mining Company
(A Montana Corporation)

Witness: _____
Address of witness: _____

Dated _____, 19____

Emile Boreke
President
Sec'y.

NOTE—Corporations must execute foregoing certificate in corporate name, by duly authorized officer, and seal must be affixed and duly attested; partnerships must execute in firm name, together with signature of a general partner. If no compensation is paid or to be paid for services rendered in connection with application or loan, this should be so stated and the Applicant should sign this Exhibit.

CERTIFICATION

The Applicant hereby certifies that the statements made in the foregoing application, and all exhibits and documents submitted in connection therewith, are true and correct statements to the best of Applicant's information and belief and are submitted as a basis for credit. The Applicant agrees to reimburse any agency of the United States Government upon demand for any expenses incurred in connection with or arising out of this application or any loan made pursuant hereto.

Dated _____, 19____

Witness: _____ (For individual applicants)

_____ (Signature)

Witness: _____ (For partnership applicants)

_____ (Full name of firm)

By _____, a general partner.
(Signature)

(For corporate applicants)

(CORPORATE SEAL)

Bridger Mining Company
(Full corporate name of Applicant)

Attest: John Collins, Secy.
(Signature)

By Emile Boreke, President
(Signature) (Title)

Wm. Bonetto, Director
(Title)

The United States Criminal Code, 18 U.S.C., Sec. 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: 1950 O - 916171

Dma - 793

BRIDGER MINING COMPANY
DILLON, MONTANA
Feb. 20, 1951

Dr. James Boyd, Administrator
Defense Minerals Administration
Dep't. of Interior
Washington 25, D. C.

Dear Sir:

In reference to section 13 page 6 of the application hereto attached:

HISTORY

The property has been acquired by the regular filing of mining claims in accordance with the State Laws of Montana and Laws of the United States. The presence of old caved workings in favorable geological conditions led the writer to study the District and take up the claims. For this purpose and to do some exploration on the property two interests associated themselves namely the Montana Interests (W. J. Cushing, John Collins, A. E. Harris) and the Idaho Interests represented by D. G. Taylor Trust which included six members. D. G. Taylor, Orvalle Boehlke, Edward Levine, James Briggs, Clarence Siddoway and James Webster, all from the Rexburg, Idaho locality.

In 1939 the group spent $3000 in the old works on the Morgan claim and shipped a small car of 49% lead to the East Helena Smelter. We did not sample for zinc. The shippment was mined from a faulted block not previously discovered. It did represent the ore grade mined by early miners in the late '90ts. The price of lead then precluded any further work. After war 11 we started opening the old works on the September Morn Claim in mill grade ore. After spending $3000 the price of lead and zinc fell and we stopped work again. In all the property has cost the group about $10,000. We are now ready to reopen the property.

MANAGEMENT

It is the writers job to mamage the mining affairs of this group and parts of the group. They have mined and operated the Yellow Jacket Mine at Forney, Idaho, the Horn Silver Mine (Era Mining Co.) and Paymaster Mine at Arco, Idaho, they own the Nevada Mine (copper) in Montana and are now participating in active mining operations in the Hailey, Idaho area.

The writer has operated in Old Mexico in the 20ties for the Zapotillo, Potraro, Magistral and Bank of Sonora Interests and since then in the mining districts of the U. S. There will be no reason why the management cannot coordinate the mine work in harmony with reasonable requirements made by experienced men representing the Bureau.

LEASE AGGREEMENTS AND INSURANCE

None.

A. E. Harris

Dma - 793

MINE EXAMINATIONS
AND APPRAISALS

A. E. HARRIS
GEOLOGIST
Rexburg, Idaho

Feb. 21, 1951

Board of Directors
Orvalle Boehlke, Managing Director
Bridger Mining Company
Box 166
Dillon, Montana

Gentlemen:

The following report on the Pass Creek Mine is prepared with four copies for the purpose of submitting same with your mine loan application to the Administrator of the Defense Minerals Administration, Washington 25, D. C. In particular the report is intended to more fully cover question #13, page 6 of the application.

Your attention is called to the fact that a representative, Mr. Wilder Brinton, of the Helena Office of the Bureau of Mines made an examination of the property for that Office during war 2 in connection with our proposal for a new road program. A copy of his report should be in the files of the Washington Office of the Bureau of Mines and thus become available to the Administrator, of the Defense Minerals Administration. I understand that Mr. Dingman, head of the Butte School of Mines and a Mr. Evans of Washington D. C. made reports to the Company sometime in 1947.

The property is located in the Gallatin National Forest of Montana. It may be reached over good roads by driving North from Belgrade, Montana some 18 miles to the Roy Calentine Ranch, thence East 3 miles to the property and lower tunnel. The RR Station of Minard on the Milwaukee Branch Line is situated 5 miles West and 1 mile North of the property.

The mine is located in a heavily timbered rough mountainous area and drift mining for over 1100' in elevation is ideal.

The veins are true fissures in dacite country rock with a gangue filling of calcite and chalcedony mineralized with lead-zinc sulphide ores. The sulphides extend to grass roots. No oxidation zone exists. The calcite-chalcedony filling erodes faster than the country rock and 10'-15' of excavation is necessary to find the veins. For this reason the district is new to modern mining interests because only a very limited amount of exploration has been done which is in evidence.

In 1939 the Company shipped one small car of 49% lead from the old workings in the Morgan Claim. This ore was mined from a small block overlooked by the early miners. From 1890-1900 the Morgan Claim was worked for high grade lead ore. At the same time mill grade ore was found on the September Morn and Gallatin claims. In 1921-1922 ore was shipped from these two claims. Low prices shut the operation down. The mineralization in the three claims may be on the same vein. Surface buldozing would easily determine the contenuity of the veins. In 1938-1939 this Company took the property up and at various times since have attempted to exploit it but each time the downward fluctuation of metal prices stopped the operations. The upper tunnel on the September Morn Claim is 250' long and on ore all the way. Important branching of the vein is noted. This branching is supposed to be confined in a wide fault zone which strikes North and South. In the upper

tunnel is exposed 6000 tons of ore (according to the Hoover method of estimating) above and below the tunnel. In 1939 the writer examined the lower tunnel then in bad condition. It is a X-cut to the vein where some drifting and stoping was done by the 1921 operation. Considerable zinc ore with lead values came from this drift and left in the dump.

The ore sampled in the upper tunnel ran 7%-8% lead and zinc and a general grab sample from the 200 tons on the dump ran 15% metal equal in lead and zinc content. In excavating for the discovery cut on the July Claim lead float was found existing in the overburden.

With prices as now existing the property merits a strong development program. I recommend that the lower tunnel be extended 800' and that a raise be driven to the first level at the 500' station. The work to be done in accordance with the attached plat. At the 800' station the Gallatin ore shoot should be picked up. The writer believes that ore will be found all the way on the vein portion of the drift. This should develop enough ore to justify the building of a mill on Mill Creek. Plans now laid would accomplish this work and improvement within the year.

The mine is very favorably situated, 2 miles off the Gallatin Valley dryfarm area, 20 miles from the supply town of Belgrade, 80 miles from East Helena Smelter and favorable trucking distance from the zinc smelter at Great Falls, favorable for winter operations, abundant timber supply for all purposes, drift mining for 1100' in elevation, good ore, Forest Service will build all access roads for future mine extension explorations and the property could be in the heart of a new lead-zinc district.

The writer believes this property and district should be extensively explored with the view that there could be found a net work of hidden veins. The dacite extrusives extend Northward 3 miles and Southward 20 miles and from 5-7 miles wide. It comprises the West flank of the Bridger Range of Mountains in this area. No known work (geological or prospecting) has been done on the contact of the uplifted sediments to the East (8000'-10,000'Φ and the dacite flow to the West. (See Professional Paper #1 USGS). Ore values will range from high grade shipping to low grade milling ore. For the purpose of separation of the lead and zinc minerals all ores should be milled on the property.

With the favorable price outlook for these ores the property seriously merits exploitation at this time.

Respectfully submitted

A. E. Harris