DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1416

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This document has been recorded as

EXPLORATION LOAN

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

Routing Slip

To:	SUPPLY DIVISION	Date	SEP 18 1951
To:	Reports and Records	Date	SEP 14 1951
To:		Date	
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CONTROLLED DOCUMENT

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

SEP 14 1951

Memorandum

Re: DMA-1416X
Lee Mining Company
Salt Lake County, Utah
Exploration loan $2160
Lead

To: Reports and Records Unit
Administrative Management Div.

From: Chief, Lead-Zinc Branch

Subject: Denial of exploration loan

The applicant has requested an exploration loan of $2,160 (Government participation, 50%) for driving 60 feet of exploratory drift to intersect the downward projection of a fault zone known to be present at the bottom of a shaft near their present tunnel.

The property was examined by the Field Team, Region IV, and they report that there is no sulphide mineralization in the present workings on the property. The shaft, which reportedly was in lead ore at the bottom, showed only moderate iron oxide staining along a tight fault and drag zone. The field team feels that the geological probability of encountering ore in the downward projection of the fault zone is small and recommends that the application for a loan be denied.

The Lead-Zinc Branch concurs with the field team's recommendation.

Returned herewith are:

1 copy of field team report
1 " " "Review of Application for Exploration Assistance".
3 copies Form MF-103
copies of correspondence to applicant

Approved:
Director, Supply Division

T. P. Billings, Chief
Lead-Zinc Branch

FILE COPY
SURNAME: 350

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

Campbell (ETM)
McKnight
Bishop
Billings

SEP 14 1951

Memorandum

Re: DMA-1416X
Lee Mining Company
Salt Lake County, Utah
Exploration loan $2160
Lead

To: Reports and Records Unit
Administrative Management Div.

From: Chief, Lead-Zinc Branch

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1 copy of field team report
1 " " "Review of Application for Exploration Assistance".
3 copies Form MF-103
copies of correspondence to applicant

T. P. Billings, Chief
Lead-Zinc Branch

Approved:

Tom Lyon

Director, Supply Division

ABCampbell:emp
G 9-12-51
Copies to: A. H. East, Jr. (2)
Chief-Lead-Zinc Br.
E. T. McKnight 4204 GSA
O. Bishop
Directors r files 4214 GSA

Br. r. files 4214 GSA
Administrators r. file
Docket DMA files

FILE COPY 350
SURNAME:

Campbell (ETHC)
McKnight
Bishop
Dillingham

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

SEP 14 1951

Re: DMA-1416X

A. E. S.

Lee Mining Company, Incorporated
6055 South 9th East Street
Murray, Utah

Gentlemen:

Your application (DMA-1416X) for an exploration loan of $2,160 for exploratory drifting at your property at Neff Canyon, Salt Lake County, Utah, has been reviewed again by the Defense Minerals Administration after a report of an examination of the property by our field staff was received.

From this report, we conclude that your property has only minor showings of strategic minerals and that there is no reason to expect that the exploration work which you propose would find a significant amount of these minerals. The Defense Minerals Administration does not consider that the expenditure of public funds which you request is warranted. I regret, therefore, that your application must be declined.

We wish to thank you for bringing this property to our attention.

Very truly yours,

Tom Lyon

B 9/14

Tom Lyon, Director
Supply Division

ABCampbell:emp
G 9-12-51
Copies to: J. H. East, Jr. (2)
Chief, Lead-Zinc Branch
E. T. McKnight 4204 GSA
O. Bishop
Directors r. files 4214 GSA
Br. r. files 4214 GSA
Administrators r. file
DMA docket files

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

OFFICE OF
REGIONAL DIRECTOR

REGION IV

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

Air Mail

August 28, 1951

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: DMA Docket 1416X, Lee Mining Company, 6055 South 9th East, Murray, Utah

Enclosed herewith are original and two copies of the above report.

The examining geologist and engineer recommend denial of the application. We concur with this recommendation.

J. H. East, Jr.

for A. H. Koschmann

enclosures

SEP 4 1951

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Defense Minerals Administration
200 New Customhouse
Denver 2, Colorado

August 22, 1951

Memorandum

To: DMA Field Team, Region IV

From: A. H. Koschmann

Subject: DMA Docket 1416X, Lee Mining Company, 6055 South 9th East, Murray, Utah

Enclosed are 8 copies of the report by J. W. Hasler and B. J. Sharp of the U. S. Geological Survey and M. H. Howes of the U. S. Bureau of Mines covering the above docket.

A. H. Koschmann
A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (9)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Room 307, 320 South Main
Salt Lake City 1, Utah
13 August 1951

Memorandum

To: A. H. Koschmann, Field Team, Region IV

From: Ralph J. Roberts

Subject: Docket DMA-1416-X, Lee Mining Company, 6055 South 9th East, Murray, Utah.

Enclosed are 8 copies of a report on the Lee Mining Company property in Neff Canyon east of Salt Lake City, Utah.

In response to the request for a field examination, dated June 28, 1951, from the Field Team, Region IV, an examination was made July 13, 1951.

The mine is in shale and limestone of Cambrian, Devonian, and Mississippian age which locally are faulted and brecciated, and are stained with oxide. The mineralization is very weak. There are no measurable reserves and the outlook for finding ore beyond the present workings is not good. It is recommended that the exploration loan be denied.

I concur with the examining geologists and engineer that the request for an exploration loan be denied.

/s/ Ralph J. Roberts

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

Docket DMA-1416X, Lee Mining Company, 6055 South 9th East

Murray, Utah

M. H. Howes, Mining Engineer
U. S. Bureau of Mines

J. W. Hasler and B. J. Sharp, Geologists
U. S. Geological Survey

August 10, 1951

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History and production	1
Geology	2
Ore deposits	3
Ore reserves	3
Proposed exploration	3
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ILLUSTRATIONS

Figure 1. Index map of Utah.

Figure 2. Mine map of Lee Mining Company, Neff Canyon, Salt Lake City, Utah.

Docket DMA-1416X, Lee Mining Company, 6055 South 9th East

Murray, Utah

SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

The Lee Mining Company, Docket DMA-1416X, Murray, Utah has made application to the Defense Minerals Administration for an exploration loan of $2160.00 to extend their present workings 60 feet to intersect the downward extension of lead ore reported to occur at the bottom of a vertical shaft in the vicinity of the tunnel. The mine has had little production and no net smelter returns are available on ore that was shipped.

The mine is in shale and limestone of Cambrian, Devonian and Mississippian age which are locally faulted and brecciated, and are stained by iron oxides. The mineralization is very weak. There are no measurable reserves, and the outlook for finding ore beyond the present workings is not good. It is recommended that a loan for $2160.00 to the Lee Mining Company be denied.

Docket DMA-1416X, Lee Mining Company, 6055 S. 9th East

Murray, Utah

INTRODUCTION

The Lee Mining Company, Docket DMA-1416X, Murray, Utah, has made application to the Defense Minerals Administration for an exploration loan for $2160.00 to extend their present workings 60 feet to intersect the downward extension of lead ore reported to occur at the bottom of a vertical shaft in the vicinity of the tunnel.

A request for a field examination was forwarded on June 28, 1951 to ascertain the geological possibilities of the applicant's property for lead ore. The field examination was made on July 13, 1951 by J. W. Hasler and B. J. Sharp of the U. S. Geological Survey and M. H. Howes of the U. S. Bureau of Mines.

Location and accessibility

The Lee Mining Company property is easily accessible by truck and may be reached by traveling east on 39th South Street from U. S. Highway 91 5 miles to Wasatch Blvd., thence north for 1 block to Neff Canyon. (See fig. 1) The mine is 3 miles southeastward up a good dirt road on the north side of Neff Canyon.

History and production

The Lee Mining Company was formerly known as the Last Dollar Mining Company and was owned by the present applicant's father. The Lee Mining Company is now a corporation consisting of Mr. Mark Barrett, 6055 South 9th East, Murray, Utah, President and Director; Delworth Strasser, 1455

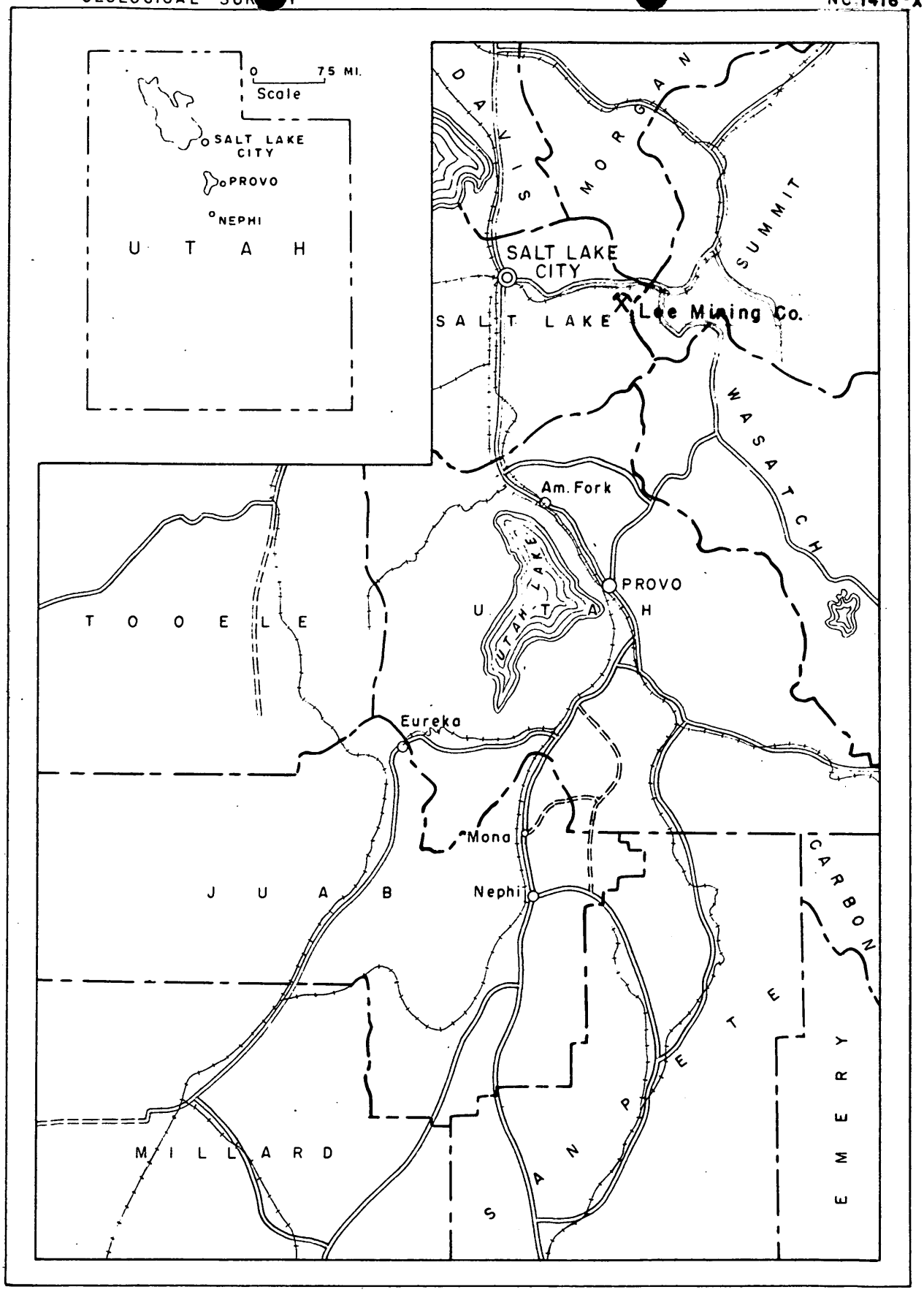

FIG. 1 INDEX MAP OF UTAH

0 5 10 15 20 MILES
Scale

Uintah Circle, Salt Lake City, Utah, Vice President and Director; Mark D. Barnett, 984 Prospect Drive, Salt Lake City, Utah, Director; J. E. Benningfield, 715 E. Union Ave., Midvale, Utah, Director; M. K. Walden, Salt Lake City, Utah, Secretary, Treasurer, and Director. The corporation owns 3 mining claims in Neff Canyon, Salt Lake City, Utah, namely Lee Mining Company Nos. 1, 2, and 3.

The mine workings consist of 500 feet of crosscutting, 22 feet of drifting, and a 72-foot shaft.

GEOLOGY

The country rock at the Lee mine (fig. 2) consists of a series of shales and limestones of Cambrian, Devonian, and Mississippian age. The mine portal is in calcareous, green-gray Ophir shale, which weathers to yellowish brown. The middle limestone member of the Ophir shale was found about 60 feet from the portal; the limestone is a mottle dark gray nodular bed from 6 to 8 feet thick. The overlying Maxfield limestone of upper Cambrian age has been cut out in this area by an erosional unconformity bringing the Jefferson (?) dolomite of Devonian age directly above the Ophir shale. A very siliceous limestone occurs at the Jefferson-Ophir contact. A few weak, very tight faults striking northwestward and dipping from 35° - 75° SW cut the Jefferson dolomite. The Ophir shale and Jefferson dolomite strike E. to N. 45° W. and dip from 35° - 40° N. to northeast throughout the mine workings.

A persistent, tight, normal fault that strikes N. 20° E. and dips 35° E. brings the Deseret limestone of Missippian age down against the Jefferson

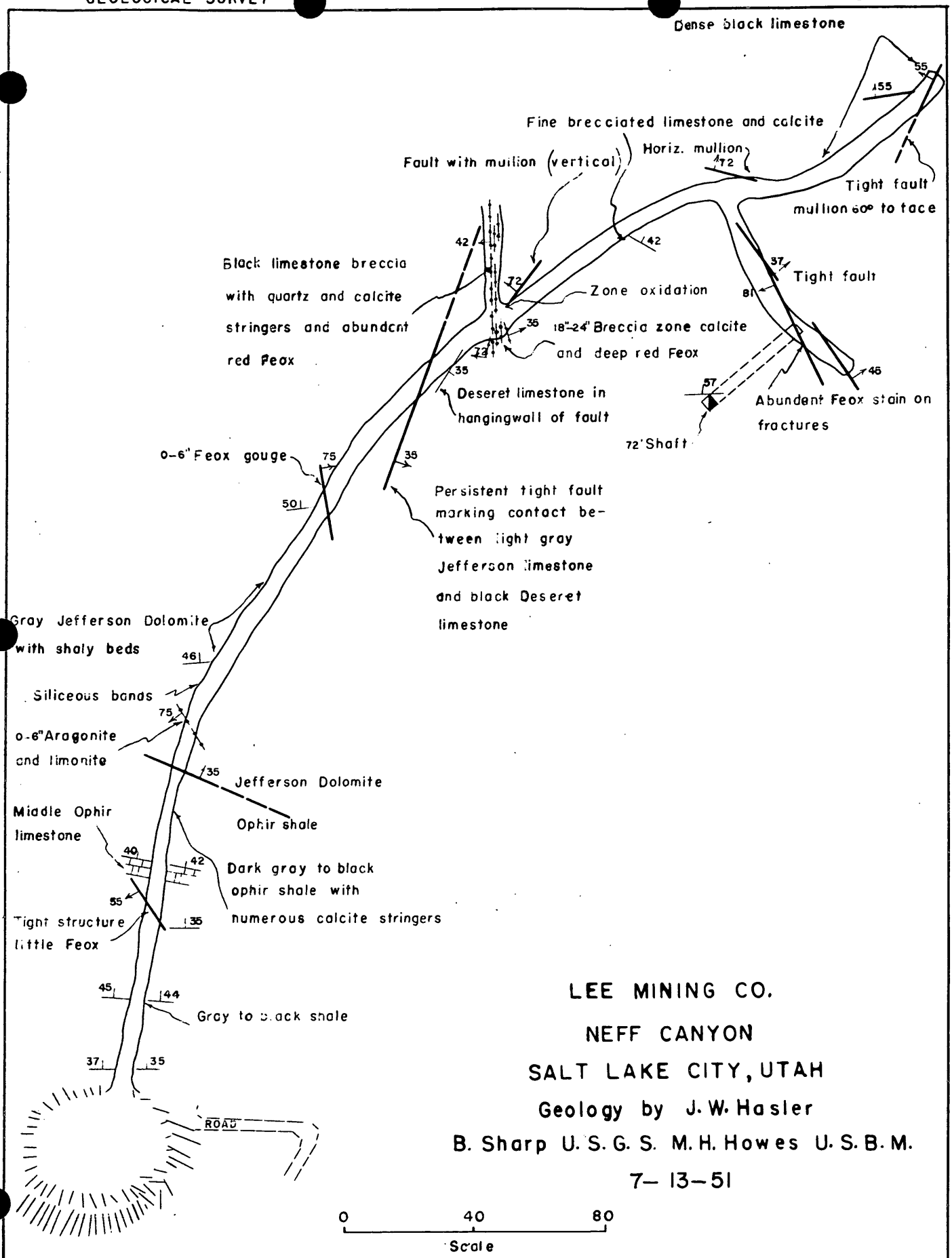
Dense black limestone
Fine brecciated limestone and calcite
Horiz. mullion
Fault with mullion (vertical)
Tight fault
mullion 60° to face
Tight fault
Zone oxidation
Black limestone breccia
with quartz and calcite
stringers and abundant
red Feox
18"-24" Breccia zone calcite
and deep red Feox
Deseret limestone in
hangingwall of fault
Abundant Feox stain on
fractures
72' Shaft
0-6" Feox gouge
Persistent tight fault
marking contact be-
tween light gray
Jefferson limestone
and black Deseret
limestone
Gray Jefferson Dolomite
with shaly beds
Siliceous bands
0-6" Aragonite
and limonite
Jefferson Dolomite
Ophir shale
Middle Ophir
limestone
Dark gray to black
ophir shale with
numerous calcite stringers
Tight structure
little Feox
Gray to black shale
ROAD
LEE MINING CO.
NEFF CANYON
SALT LAKE CITY, UTAH
Geology by J. W. Hasler
B. Sharp U. S. G. S. M. H. Howes U. S. B. M.
7-13-51
0
40
80
Scale

FIG. 2

and Ophir limestone at about 260 feet from the tunnel portal; the fault throw is approximately 570 feet. The Deseret limestone consists of dark gray to blue cherty limestone with shaly beds at its base.

Ore deposits

The Jefferson dolomite and especially the Deseret limestone are highly fractured and somewhat brecciated in the faulted area. A breccia and shear zone about 30 feet across occur in the hangingwall of the fault which has been rather heavily stained with red iron oxide and cut by many tiny calcite veinlet and stringers; this is the extent of the mineralization in the workings. No sulphide minerals were found in the workings.

The shaft 72 feet deep follows a tight fault and drag zone east of the main workings that strike N. 75° W. and dip N. 57° NE. The fault is only moderately iron stained.

Ore reserves

There are no measurable ore reserves or any inferred reserves as the zones of brecciation and shearing show only staining by iron oxides. The lead and silver assays given by the applicant were evidently conjectural.

PROPOSED EXPLORATION

The proposed exploration is to crosscut an additional 60 feet N. 73° E. to intersect the downward projection of the east striking fault cut in the shaft.

The geological probability of encountering any ore with this proposed exploration is small. It is therefore recommended that the loan to the Lee Mining Company be denied.

CONCLUSIONS AND RECOMMENDATIONS

The Lee Mining Company, Murray, Utah has made application with the Defense Minerals Administration for a loan of $2160.00 to explore for the downward extension of a supposed lead fissure previously reported in their shaft workings. The rocks in the mine area are somewhat sheared and brecciated along a fault that strikes N. 20° W., and are locally iron stained. As there is no ore exposed and no inferred ore reserves, it is recommended that the loan be denied.

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

224 New Customhouse
Denver, Colorado

June 28, 1951

Memorandum

To: C. R. Wilson (with brochure)

(Through Chief, Mining Division)

Ralph Roberts

From: DMA Field Team, Region IV

Subject: DMA Docket 1416X, Lee Mining Company, 6055 South 9th East Street, Murray, Utah

Herewith is the brochure and review on the above docket. Please make the necessary examination and report, paying particular attention to the instructions contained in the review. If the exploration is to be recommended for approval, also be sure that all of the information requested for the contracts is included.

P. T. Allsman, Alternate

A. H. Koschmann

Attachments

REGIONAL DIRECTOR'S
OFFICE
REGION IV
JUN 2 0 1951
BUREAU OF MINES
DENVER, COLORADO

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

JUN 20 1951

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

Dear Sir:

We attach "Review of Application for Exploration Assistance"

on:

Docket No. 1416X

Commodity Lead

Applicant Lee Mining Company, 6055 South 9th East St., Murray, Utah

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

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 1416X

Commodity Lead

Total Amount $2160.00

Govt. Participation 50%

1. Name and Address of Applicant Lee Mining Company, 6055 South 9th East St. Murray, Utah

2. Location of Property Neff Canyon, Big Cottonwood District, Salt Lake County, Utah

3. Mineral or metal Lead 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 Needs examination

e) Is there an alternative and favorable project? No
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes
(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 No
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* _____

d) Water (question 13)* Ample

e) Power (question 13)* Adequate - gasoline

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

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

_____

Is a field check needed on this point? Yes, if other factors are favorable

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? Yes

If not, what part of it is? _____

_____

_____

_____

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed? Not completely

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data?_____ If so, attach a draft.

e) Are the cost estimates reasonable? Depends on local prices

f) Should more information be requested from applicant? No

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

11. Exhibit B (question 23-d)*

a) Is it applicable?_____

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? Yes

d) Is a field check needed?_____ Yes

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

a) Are there sufficient data?_____

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

c) Is the schedule excessive for the work proposed? Yes, too slow

d) Are the proposed wages and salaries reasonable? Not estimated

e) Is a field check needed?_____

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? Easily

(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? If a decision is to be reached on this project more information is necessary. Information may be available in regional office or Salt Lake City. This is given a low priority by Washington group. Property is not located.

Reviewed by: A. L. Brokaw - GS

Date 6/19/51

97692

FILE COPY
SURNAME:

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

Brokaw (EJM)
McKnight
Mote
Herres
McKnight for Rose
Moore

Mailed 6/20/51

June 19, 1951

Re: Docket DMA-1416X

Lee Mining Company, Incorporated
5055 South 9th East Street
Murray, Utah

Gentlemen:

Your application (Docket DMA-1416X) 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. J. H. East, Jr., Executive Officer of the Field Team, 224 New Customhouse, Denver 2, Colorado, for further information and advice.

Very truly yours,

Tom Lyon, Director
Supply Division

ALBrokaw:emp
G 6/19/51
Copies to: J. H. East, Jr Region IV (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

FILE COPY
SURNAME:

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

June 18, 1951

Mr. Mark Barratt
6055 South 9th East Street
Murray, Utah

Subject: DMA-1416X
Re: Exploration Loan -
Lee Mining Claims

My dear Mr. Barratt:

Receipt is acknowledged of your application and attachments of May 24, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1416X and referred to Mr. Otto Herres, Chief, Lead-Zinc Branch on June 4, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1416X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel jc
Executive Secretary

L. F. Strobel:jc
cc: Strobel
✓File
Herres
Lyon

Defense Minerals Administration
Reference Slip

Date 6/4

To: 1. Hewes

2.

3.

4.

DMA 1416 X

For Action ✓
Reply
Information
Remarks:

Sender LANDON F. STROBEL

3
Mr. Strobel

DMA 1416 X

Forwarded to

Branch

Date

Sender

2
Mr. Strobel

DMA 1416 X

Forwarded to

Branch

Date

Sender

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-1416X

Date received 5/31/51

Participation

LEE MINING COMPANY INC.
6055 South 9th East Street, Murray, Utah

Name and address of applicant

Date May 24th, 1951

FILL IN THIS BLOCK

Date of application May 24th, 1951

Estimated cost $2160.00

Mineral or metal Metals

Percentage of Government participation 50 per cent

Location of mine Neff Canyon, Big Cottonwood Mining District, Salt Lake County, Utah

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

JUN 5 1951

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.

LEE MINING COMPANY, INC.
(Name of company)

By Mark Barnett
(Signature of authorized official)

May 23, 1951
(Date)

PRESIDENT
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

*Same as footnote on page 1.

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

EXHIBIT "A"

Being a part of application for aid of

LEE MINING COMPANY INC.

. . . . . .

1. Applicant is a corporation.

2. . . . . .

3. The names and addresses of officers, directors and five stockholders, are:-
Mark Barratt, 6055 South 9th East Street, Murray, Utah, President & Director
Delworth Strasser, 1455 Uinta Circle, Salt Lake City, Utah, Vice-President, Director
Mark D. Barratt, 984 Prospect Drive, Salt Lake City, Utah, Director
J. E. Benningfield, 715 East Union Ave. Midvale, Utah, Director
M. K. Walden, Salt Lake City, Utah, Secretary, Treasurer & Director.

4. Applicant has been operating this property for about three years; Mark Barratt, its President has had 25 years experience in the automobile business in Salt Lake City, Utah, and J. E. Benningfield, who is mine manager has had 30 years as a mining engineer.

5. Applicant is the owner of the property.

6. Applicant owns 3 mining claims, namely, LEE MINING COMPANY NO. 1, LEE MINING COMPANY NO. 2, LEE MINING COMPANY NO. 3; there are no liens or incumbrances against said property.

7. . . . . .

8. The following is a financial statement of applicant showing assetts and liabilities and profit and loss; cash in bank, $2.00, one 105 cubic feet air compressor, one large air receiving tank, four hundred and fifty feet of 1½ inch pipe together with fittings and one liner bits and steel; applicant has had no frofit; all labor equipment and materials have been paid for.

9. Applicant has sufficient money to pay for all labor except for the services of one miner; this will amount to about One Thousand Dollars.

10. The 3 mining claims above mentioned are the only real property that will be involved in this project and the exploration work will be done in the tunnell on Lee Mining Company claim No. 1.

11. The present name of the property is the Lee Mining Company, and the former name was the Last Dollar Mining Company claims.

12. Applicants property is located about 15 miles East of Midvale, Utah, where the United States Smelting is located and where there are railroads, and other mining and smelting facilities; there is also a good truck road from applicants mine to the smelter.

13. There is ample water in the Mill Creek which runs through Mill Creek Canyon and there is a waterpipe line within about 300 feet from the tunnell above mentioner. The compressor above mentioned is operated by gas at a cost of about ~~$1.00~~ $1.00 per hour.

14. One 105 cubic foot air compressor, one large air receiving tank, 450 feet of 1½ inch pipe together with fittings, one liner, some steel and bits, one large water tank, steel mucking sheets, and some picks and shovells, together with a wheel barrow.

15. The ore can be shipped by truck to the United Smelting Plant which is about 15 miles west of the mine; there are also milling facilities at the same place.

16. A shaft was sunk many years ago on claim No. 1 above mentioned and on a fissure traversing said property; the engineer in charge recommended that this fissure be cut at a lower depth by a tunnel; a good grade of ore was exposed in the bottom of the shaft when operations were stopped to commence work on the tunnel; this tunnel is now in more than 400 feet and it is estimated that another 50 or 60 feet will cut the ore bearing fissure. It is the intention of applicant to expend said tunnel until it cuts said fissure.

17. . . . . .

18. The ore reserves at present are unknown, for the reason that the shaft is caved in and the fissure has not been intersected yet. There have been no shipments of ore made and we have no maps of said property from which the reserve tonage could be estimated. It is reported that the ore in the botton of said shaft would assay in excess of 20 per cent lead and 12 oz. of silver.

19. . . . . .

20. The exploration is for lead and silver ores, principally lead.

Joo plow

21. It is proposed to extend the above mentioned tunnel until it intersects the said ffissure, which is estimated from 50 to 60 feet, it will take about five months to reach the fissure, including the time for laying tracts and making other preparations.

22. The fissure above mentioned is well defined on the surface and carries values as above stated; it is reliably reported that the fissure was 18 incles wide in the bottom of the shaft. It will be cut at a depth of about 300 feet.

23. (a) Applicant will furnish all labor except on miner.
(b) Applicant will furnish a mine supervisor.
(c) It will cost about $60.00 to repair compressor.
(d) Applicant will stand cost of installing machinery.
(e) The cost of new items of equipment will be one mine car $200.00, 1100 feet of 12 lb. mine rails, $550.00, rail ties $150.00, powder, caps & fuse $350.00, mine steel and bits $150.00 ~ 380.22
(f) none
(g) The rental value of the equipment now on the property is $60.00 per month.
(h) none
(i) Gas & oil for compressor $150.00, cost of transporting men and supplies to mine $160.00, miscellaneous expense not mentioned above $400.00.

24. If loan is approved and we can get to work by July 1st, 1951, the project can be finished in five months; it is expected that the project will cost $2,160.00.

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. Dma-1416 X

Date received 5/31/51

Participation

LEE MINING COMPANY INC.
6055 South 9th East Street, Murray, Utah

Name and address of applicant

Date May 24th, 1951

FILL IN THIS BLOCK

Date of application May 24th, 1951

Estimated cost $2160.00

Mineral or metal Metals

Percentage of Government participation 50 per cent

Location of mine Neff Canyon, Big Cottonwood Mining District, Salt Lake County, Utah

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*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.

LEE MINING COMPANY INC.
(Name of company)

By Mark Barratt
(Signature of authorized official)

May 23, 1951
(Date)

President
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

*Same as footnote on page 1.

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

EXHIBIT "A"

Being a part of application for aid of

LEE MINING COMPANY INC.

. . . . . .

1. Applicant is a corporation.

2. . . . . .

3. The names and addresses of officers, directors and five stockholders, are:-
Mark Barratt, 6055 South 9th East Street, Murray, Utah, President & Director
Delworth Strasser, 1455 Uinta Circle, Salt Lake City, Utah, Vice-President, Director,
Mark D. Barratt, 984 Prospect Drive, Salt Lake City, Utah, Director,
J. E. Benningfield, 715 East Union Ave. Midvale, Utah, Director,
M. K. Walden, Salt Lake City, Utah, Secretary, Treasurer & Director.

4. Applicant has been operating this property for about three years; Mark Barratt, its President, has had 25 years experience in the automobile business in Salt Lake City, Utah, and J. E. Benningfield, who is mine manager has had 30 years as a mining engineer.

5. Applicant is the owner of the property.

6. Applicant owns 3 mining claims, namely, LEE MINING COMPANY NO. 1, LEE MINING COMPANY NO. 2, LEE MINING COMPANY NO. 3; there are no liens or incumbrances against said property.

7. . . . . .

8. The following is a financial statement of applicant showing assetts and liabilities and profit and loss; cash in bank, $2.00, one 105 cubic feet air compressor, one large air receiving tank, four hundred and fifty feet of 1½ inch pipe, together with fittings and one liner bits and steel; applicant has had no frofit; all labor, equipment and materials have been paid for.

9. Applicant has sufficient money to pay for all labor except for the services of one miner; this will amount to about One Thousand Dollars.

10. The 3 mining claims above mentioned are the only real property that will be involved in this project and the exploration work will be done in the tunnell on Lee Mining Company claim No. 1.

11. The present name of the property is the Lee Mining Company, and the former name was the Last Dollar Mining Company claims.

12. Applicant's property is located about 15 miles East of Midvale, Utah, where the United States Smelting is located and where there are railroads, and other mining and smelting facilities; there is also a good truck road from applicants mine to the smelter.

13. There is ample water in the Mill Creek which runs through Mill Creek Canyon and there is a waterpipe line within about 300 feet from the tunnell above mentioner. The compressor above mentioned is operated by gas at a cost of about ~~$1.00~~ $1.00 per hour.

14. One 105 cubic foot air compressor, one large air receiving tank, 450 feet of 1½ inch pipe together with fittings, one liner, some steel and bits, one large water tank, steel mucking sheets, and some picks and shovells, together with a wheel barrow.

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16. A shaft was sunk many years ago on claim No. 1 above mentioned and on a fissure traversing said property; the engineer in charge recommended that this fissure be cut at a lower depth by a tunnel; a good grade of ore was exposed in the bottom of the shaft when operations were stopped. to commence work on the tunnel; this tunnel is now in more than 400 feet and it is estimated that another 50 or 60 feet will cut the ore bearing fissure. It is the intention of applicant to expend said tunnel until it cuts said fissure.

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18. The ore reserves at present are unknown, for the reason that the shaft is caved in and the fissure has not been intersected yet. There have been no shipments of ore made and we have no maps of said property from which the reserve tonage could be estimated. It is reported that the ore in the botton of said shaft would assay in excess of 20 per cent lead and 12 oz. of silver.

19. . . . . .

20. The exploration is for lead and silver ores, principally lead.

21. It is proposed to extend the above mentioned tunnel until it intersects the said ffissure, which is estimated from 50 to 60 feet, it will take about five months to reach the fissure, including the time for laying tracts and making other preparations.

22. The fissure above mentioned is well defined on the surface and carries values as above stated; it is reliably reported that the fissure was 18 incles wide in the bottom of the shaft. It will be cut at a depth of about 300 feet.

23. (a) Applicant will furnish all labor except on miner.
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(e) The cost of new items of equipment will be one mine car $200.00, 1100 feet of 12 lb. mine rails, $550.00, rail ties $150.00, powder, caps & fuse $350.00, mine steel and bits $150.00
(f) none
(g) The rental value of the equipment now on the property is $60.00 per month.
(h) none
(i) Gas & oil for compressor $150.00, cost of transporting men and supplies to mine $160.00, miscellaneous expense not mentioned above $400.00.

24. If loan is approved and we can get to work by July 1st, 1951, the project can be finished in five months; it is expected that the project will cost $2,160.00.

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. Dma-1416 X

Date received 5/31/51

Participation

[illegible] MINING COMPANY INC.
6035 South 9th East Street, Murray, Utah

Name and address of applicant

Date May 28th, 1951

FILL IN THIS BLOCK

Date of application May 28th, 1951

Estimated cost $160.00

Mineral or metal Metals

Percentage of Government participation 50 per cent

Location of mine Left Canyon, Big Cottonwood Mining District, Salt Lake County, Utah

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

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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.

*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.
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    (*c*) Give estimated tonnage and grade of each class of ore reserves.

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

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

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

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

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

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.

LEE MINING COMPANY INC.
(Name of company)

By Mark Barnett
(Signature of authorized official)

May 23, 1951
(Date)

PRESIDENT
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

*Same as footnote on page 1.

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

EXHIBIT "A"

Being a part of application for aid of

ICE MINING COMPANY INC.

. . . . . .

1. Applicant is a corporation.

2. . . . . .

3. The names and all names of officers, directors and five stockholders, are:-
Mark Barrett, 6055 South 9th East Street, Murray, Utah, President & Director
Wentworth Stevens, 1455 Wasatch Circle, Salt Lake City, Utah, Vice-President, Director
Mark D. Barrett, 988 Prospect Drive, Salt Lake City, Utah, Director
J. F. Bensingfield, 715 East Union Ave. Midvale, Utah, Director
F. K. Walker, Salt Lake City, Utah, Secretary, Treasurer & Director.

4.
Applicant has been operating this property for about three years; Mark Barrett, its President has had 25 years experience in the automobile business in Salt Lake City, Utah, and J. F. Bensingfield, who is also manager has had 30 years as a mining engineer.

5. Applicant is the owner of the property.

6. Applicant owns 3 mining claims, namely, ICE MINING COMPANY NO. 1, ICE MINING COMPANY NO. 2, ICE MINING COMPANY NO. 3; there are no liens or incumbrances against said property.

7. . . . . .

8. The following is a financial statement of applicant showing assets and liabilities and profit and loss; cash in bank, $2.00, one 105 cubic foot air compressor, one large air receiving tank, four hundred and fifty feet of 1½ inch pipe together with fittings and one lamp bits and steel; applicant has and no profit; all labor equipment and materials have been paid for.

9. Applicant has sufficient money to pay for all labor except for the services of one miner; this will amount to about one thousand dollars.

10. The 3 mining claims above mentioned are the only real property that will be involved in this project and the exploration work will be done in the tunnell on Ice Mining Company claim No. 1.

11. The present name of the property is the Ice Mining Company, and the former name was the Ice Dollar Mining Company claim.

12. Applicants property is located about 1½ miles East of Midvale, Utah, where the United States Smelting is located and where there are railroads, and other mining and smelting facilities; there is also a good truck road from applicants mine to the smelter.

13. There is ample water in the Little Cottonwood Creek and a large Mill Creek Canyon and there is a waterpipe line out to about 300 feet from the tunnell above mentioner. The compressor above mentioned is operated by gas at a cost of about about $1.00 per hour.

14. One 105 cubic foot air compressor, one large air receiving tank, 450 feet of 1½ inch pipe together with fittings, one liner, some steel and bits, one large water tank, steel mucking sheets, and some picks and shovells, together with a wheel barrow.

15. The ore can be shipped by truck to the United Smelting Plant which is about 15 miles west of the mine; there are also milling facilities at the same place.

16. A shaft was sunk many years ago on claim No. 1 above mentioned and on a fissure traversing said property; the engineer in charge recommended that this fissure be cut at a lower depth by a tunnel; a good grade of ore was exposed in the bottom of the shaft when operations were stopped to commence work on the tunnel; this tunnel is now in more than 400 feet and it is estimated that another 50 or 60 feet will cut the ore bearing fissure. It is the intention of applicant to extend said tunnel until it cuts said fissure.

17. . . . . .

18. The ore reserves at present are unknown, for the reason that the shaft is caved in and the fissure has not been intersected yet. There have been no shipments of ore made and we have no maps of said property from which the reserve tonage could be estimated. It is reported that the ore in the bottom of said shaft would assay in excess of 10 per cent lead and 12 oz. of silver.

19. . . . . .

20. The exploration is for lead and silver ores, principally lead.

21. It is proposed to extend the above mentioned tunnel until it intersects the said fissure, which is estimated from 50 to 60 feet, it will take about five months to reach the fissure, including the time for laying tracks and making other preparations.

22. The fissure above mentioned is well defined on the surface and carries values as above stated; it is reliably reported that the fissure was in place in the bottom of the shaft. It will be cut at a depth of about 300 feet.

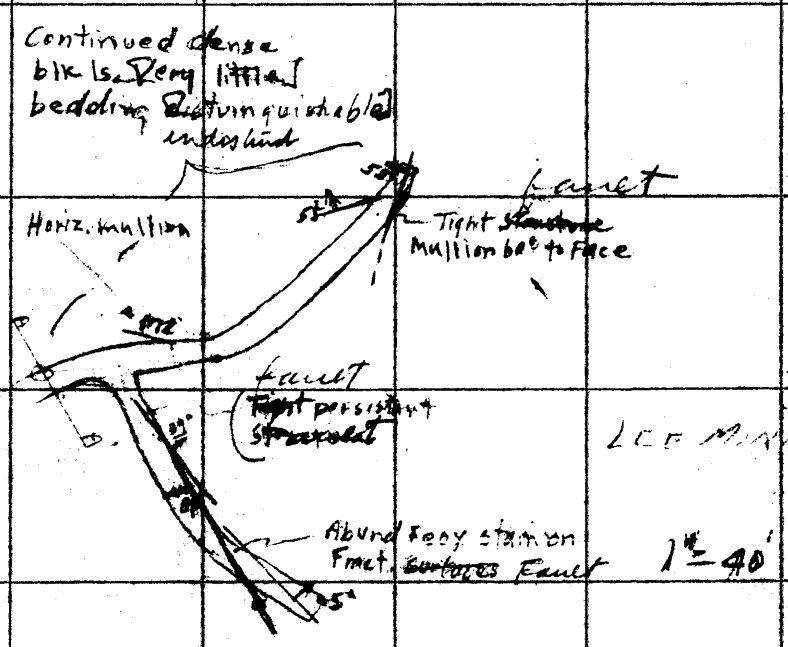
23. (a) Applicant will furnish all labor except an miner.
(b) Applicant will furnish a mine supervisor.
(c) It will cost about $60.00 to run in compressor.
(d) Applicant will spend cost of installing machinery.
(e) The cost of new items of equipment will be one mine car $200.00, 1000 feet of 12 lb. mine rails, $300.00, rail ties $150.00, powder, caps & fuse $350.00, mine steel and bits $150.00
(f) none
(g) The rental value of the equipment now on the property is $60.00 per month.
(h) none
(i) One oil for compressor $150.00, cost of transporting men and supplies to mine $160.00, miscellaneous expense not mentioned above $100.00.

24. If loan is approved and we can get to work by July 1st, 1941, the project can be finished in five months; it is expected that the project will cost $2,160.00.

(2)

Fract

N


Continued dense
blk ls. Very little
bedding distinguishable
in dog hill
Horiz. mullion
Tight ~~Shaustrine~~
Mullion bd to Face
Fault
Fault
~~Tight~~ persistent
~~Stratolat~~
Abundant Fract. ~~surfaces~~ Fault
1" = 40'

USDI
GS

Fig 2

DMA 141

Sheet

N

Calcite stringers
abundant
FeOx

Fault with
zone

FeOx

Desert ls
in Hangingwall
Footwall

72 shaft

Component
present shaft

0-6" Fe dolomite

Persistent tight Fault
Moving
light gray Jefferson ls
+ black Desert ls.

183' vertically
above Drift

Gray Jefferson
dolomite with
shaly beds

Siliceous band

0-6" Argillite
+ limestone

Jefferson Dolomite?

Ore

— contact showing dip
— fault

MIDDLE OPHIR ls

Tight
fault

Ophir Shale

gray ls

black
6" limestone

ROAD

LEE MINING Co.
NEFF CANYON
SALT LAKE CITY, UTAH
1" = 40'
GEOLOGY by J.W. HASLEM
B. Sharp USGS, M. H. Howes
USBM 7-13-51

1" = 40
GEOLOGY by J.W. Haslem
M. H. Howes

Fig 2

Mail
6/30/51

46 26

A.E.C.

June 19, 1951

Re: Ticket DPA-L,1[illegible]

[illegible] Company, Incorporated
[illegible] South 9th East Street
Murray, Utah

Gentlemen:

Your application (Ticket DPA-L,1[illegible]) 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. J. B. [illegible], Jr., Executive Officer of the Field [illegible], [illegible] Commission, Denver 2, Colorado, for further information and advice.

Very truly yours,

Don Lyon, Director
Supply Division

AL:Brekowsmp
6/19/51
Copies to: J. B. East, Jr. Region IV (2)
Chief, Lead-Zinc Br.
F. T. McKnight L204 OSA
R. B. Mote
L. F. Strobel
Directors r. file L204 OSA
Br. r. file L204 OSA
Files

Lee Mining Co Inc

June 13, 1951

Mr. Mark Barratt
6055 South 9th East Street
Murray, Utah

Subject: DMA-1416X
Re: Exploration Loan -
Lee Mining Claims

My dear Mr. Barratt:

Receipt is acknowledged of your application and attachments of May 24, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1416X and referred to Mr. Otto Herres, Chief, Lead-Zinc Branch on June 4, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1416X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

L. F. Strobel:jc
cc: ✓Strobel
File
Herres
Lyon

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-1416X

Date received 5/31/51

Participation

[illegible] Mining Company Inc.
[illegible] South [illegible] Street, [illegible], Utah

Name and address of applicant

Date May [illegible], 1951

FILL IN THIS BLOCK

Date of application May [illegible], 1951

Estimated cost $2160.00

Mineral or metal Metals

Percentage of Government participation 50 per cent

Location of mine Left Canyon, Big Cottonwood Mining District, Salt Lake County, Utah

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*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.

LEE MINING COMPANY, INC.
(Name of company)

By Mark Barnatt
(Signature of authorized official)

May 23, 1951
(Date)

President
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

*Same as footnote on page 1.

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

EXHIBIT "A"

Being a part of application for aid of

LEE MINING COMPANY INC.

. . . . . .

1. Applicant is a corporation.

2. . . . . .

3. The names and addresses of officers, directors and five stockholders, are:-
Mark Barratt, 6055 South 9th East Street, Murray, Utah, President & Director
Delworth Strasser, 1455 Uinta Circle, Salt Lake City, Utah, Vice-President, Director
Mark D. Barratt, 984 Prospect Drive, Salt Lake City, Utah, Director
J. E. Benningfield, 715 East Union Ave. Midvale, Utah, Director
H. K. Walden, Salt Lake City, Utah, Secretary, Treasurer & Director.

4. Applicant has been operating this property for about three years; Mark Barratt, its President has had 25 years experience in the automobile business in Salt Lake City, Utah, and J. E. Benningfield, who is mine manager has had 30 years as a mining engineer.

5. Applicant is the owner of the property.

6. Applicant owns 3 mining claims, namely, LEE MINING COMPANY NO. 1, LEE MINING COMPANY NO. 2, LEE MINING COMPANY NO. 3; there are no liens or incumbrances against said property.

7. . . . . .

8. The following is a financial statement of applicant showing assetts and liabilities and profit and loss; cash in bank, $2.00, one 105 cubic feet air compressor, one large air receiving tank, four hundred and fifty feet of 1½ inch pipe together with fittings and one liner bits and steel; applicant has had no frofit; all labor equipment and materials have been paid for.

9. Applicant has sufficient money to pay for all labor except for the services of one miner; this will amount to about One Thousand Dollars.

10. The 3 mining claims above mentioned are the only real property that will be involved in this project and the exploration work will be done in the tunnell on Lee Mining Company claim No. 1.

11. The present name of the property is the Lee Mining Company, and the former name was the Last Dollar Mining Company claims.

12. Applicants property is located about 15 miles East of Midvale, Utah, where the United States Smelting is located and where there are railroads, and other mining and smelting facilities; there is also a good truck road from applicants mine to the smelter.

13. There is ample water in the Mill Creek which runs through Mill Creek Canyon and there is a waterpipe line within about 300 feet from the tunnell above mentioner. The compressor above mentioned is operated by gas at a cost of about ~~$1.00~~ $1.00 per hour.

14. One 105 cubic foot air compressor, one large air receiving tank, 450 feet of 1½ inch pipe together with fittings, one liner, some steel and bits, one large water tank, steel mucking sheets, and some picks and shovells, together with a wheel barrow.

15. The ore can be shipped by truck to the United Smelting Plant which is about 15 miles west of the mine; there are also milling facilities at the same place.

16. A shaft was sunk many years ago on claim No. 1 above mentioned and on a fissure traversing said property; the engineer in charge recommended that this fissure be cut at a lower depth by a tunnel; a good grade of ore was exposed in the bottom of the shaft when operations were stopped to commence work on the tunnel; this tunnel is now in more than 400 feet and it is estimated that another 50 or 60 feet will cut the ore bearing fissure. It is the intention of applicant to expend said tunnel until it cuts said fissure.

17. . . . . .

18. The ore reserves at present are unknown, for the reason that the shaft is caved in and the fissure has not been intersected yet. There have been no shipments of ore made and we have no maps of said property from which the reserve tonage could be estimated. It is reported that the ore in the botton of said shaft would assay in excess of 20 per cent lead and 12 oz. of silver.

19. . . . . .

20. The exploration is for lead and silver ores, principally lead.

21. It is proposed to extend the above mentioned tunnel until it intersects the said ffissure, which is estimated from 50 to 60 feet, it will take about five months to reach the fissure, including the time for laying tracts and making other preparations.

22. The fissure above mentioned is well defined on the surface and carries values as above stated; it is reliably reported that the fissure was 18 inches wide in the bottom of the shaft. It will be cut at a depth of about 300 feet.

23. (a) Applicant will furnish all labor except on minor.
(b) Applicant will furnish a mine supervisor.
(c) It will cost about $60.00 to repair compressor.
(d) Applicant will stand cost of installing machinery.
(e) The cost of new items of equipment will be one mine car $200.00, 1100 feet of 12 lb. mine rails, $550.00, rail ties $150.00, powder, caps & fuse $350.00, mine steel and bits $150.00
(f) none
(g) The rental value of the equipment now on the property is $60.00 per month.
(h) none
(i) Gas & oil for compressor $150.00, cost of transporting men and supplies to mine $160.00, miscellaneous expense not mentioned above $400.00.

24. If loan is approved and we can get to work by July 1st, 1951, the project can be finished in five months; it is expected that the project will cost $2,160.00.