DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1594

DO NOT DETACH THIS SLIP

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

This document has been recorded as

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 AUG 31 1951

To: REPORTS AND RECORDS Date SEP 5 1951

To: _____ Date _____

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DO NOT DETACH

CONTROLLED DOCUMENT

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

Defense Minerals Administration
Reference Slip

Date 6-9-51

To: 1. Mr Hughes

2. _____

3. _____

4. _____

DMA 1594X

For Action ✓

Reply _____

Information _____

Remarks: _____

Sender Strobel

3
Mr. Strobel DMA 1594X

Forwarded to

Branch _____

Date _____

Sender _____

2
Mr. Strobel DMA 1594X

Forwarded to

Branch _____

Date _____

Sender _____

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

224 New Customhouse
Denver 2, Colorado

January 5, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 8 1953

Mr. R. W. Mathis
Mathis and Mathis
P. O. Box 452
Silver City, New Mexico

Re: DMEA-1594X
Contract Idm-1458

Dear Mr. Mathis:

This will acknowledge receipt of your letter dated December 20 advising that you are unable to start the project at this time.

Will you please advise this office by March 1, 1953 of your intentions at that time so that an amendment relative to the starting time of the contract may be prepared.

Very truly yours,

W. H. King

W. H. King
Executive Officer
Field Team, Region IV

HMC:oc

cc: COMittendorf
WRStorms
Contract
Chron.
AHKoschmann (2)

MATHIS AND MATHIS
MINING AND EXPLORATION
P. O. BOX 162
SILVER CITY, NEW MEXICO

December 20, 1952

Mr. W. H. King, Executive Officer, DMEA
Field Team, Region IV
224 New Customhouse
Denver 2, Colorado

Dear Mr. King:

Your letter of December 10th and our copy of Exploration Project Contract No. Idm-1453, Docket DMEA 1549X has been received.

It is impossible for us to start this project at present because of the prices of zinc and lead. Our operation on these claims has been closed, and we have no source of revenue to supply our half of the costs. We will start the project as soon as prices advance to allow reopening of the mine, or when we derive income from some other source. No one seems to have the slightest idea when zinc and lead prices may start up; thus, it is difficult for us to make a guess as to when we will resume operations.

We will advise your office as soon as some indication of price increases is evident, and will await a reply from you before beginning the contract.

Yours very truly,

R. W. Mathis
MATHIS & MATHIS

RWM:l

FILE COPY
SURNAME:
350

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

for
McKnight
Montague (MOTE)
Billings

SEP 4 1951
Re: DMA 1594

a.E.R.

Mr. John R. Thornton, Secretary & Treasurer
Sun Valley Lead-Silver Mines, Inc.
Box 57
Ketchum, Idaho

Dear Mr. Thornton:

The DMA Examination Team was advised that Sun Valley Lead-Silver Mines, Inc., wished to withdraw their exploration application on the Sunday mine, DMA 1594, and present instead an exploration application on the Blue Kitten mine, DMA 1936.

In accordance with your wishes, the application on the Sunday mine, DMA 1594, has been withdrawn.

Very truly yours,

Tom Lyon

Tom Lyon, Director
Supply Division

FJLee:bc
G 8/30/51
Copies to: A. E. Weissenborn Region II (2)
Chief, Lead-Zinc Branch
E. T. McKnight
R. H. Mote
Reports and Records
Director's r. file 4214 GSA
Br. r. file 4214 GSA
Files

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

SEP 4 1951

Re: DMA 1594

Sun Valley Lead-Silver Mines, Inc.
Sunday mine
$54,735
Lead, zinc

Memorandum

To: Reports and Records Unit
Administrative Management Division

From: Chief, Lead-Zinc Branch

Subject: Withdrawal of request for loan

In an interview with the applicant in July, a DMA Examination Team was advised by the applicant that the Sun Valley Lead-Silver Mines, Inc., wished to withdraw their exploration application on the Sunday mine, DMA 1594, and present instead an exploration application on the Blue Kitten mine, DMA 1936. It is recommended that the attached letter be sent to the applicant so that docket can be closed.

Returned herewith are four copies of MF 103 with covering letter dated May 31, 1951; four copies of MF 202 with covering letter dated June 29, 1951; one copy of MF 200 with six copies of Exhibits A-E; and a memorandum dated July 31, 1951.

T. P. Billings, Chief
Lead-Zinc Branch

Approved
Tom Lyon
Director, Supply Division

FILE COPY
SURNAME:

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

McKnight
Billings

Re: DMA 1594

Sun Valley Lead-Silver Mines, Inc.
Sunday mine
$54,735
Lead, zinc

Memorandum

To: Reports and Records Unit
Administrative Management Division

From: Chief, Lead-Zinc Branch

Subject: Withdrawal of request for loan

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T. P. Billings, Chief
Lead-Zinc Branch

Approved Tom Lyon

Director, Supply Division

FJLee:bc
G 8/30/51
Copies to: A. E. Weissenborn Region II (2)
Chief, Lead-Zinc Branch
E. T. McKnight
R. H. Mote
Director's r. file 4214 GSA
Br. r. file 4214 GSA
Files

DMA # 1594

~~DMA 17~~
~~1926~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 7 1951

Return to DMEA, Rm 4539

Kitten

In an interview with the applicant in July, a DMA Examination Team was advised by the applicant that Sun Valley Lead-Silver, Inc., wished to withdraw their exploration application on the Sunday mine and present instead an exploration application on the Blue Kitten mine. Sun Valley officials reasoned that the Blue Kitten property was closer to the Sun Valley mill and more accessible by the same road; also that at the time the application on the Sunday mine was presented Sun Valley Lead-Silver did not control the Blue Kitten property.

DMA 1594

by the [illegible] drifting [illegible] property (the upper adit), the structure [illegible] good [illegible] of [illegible] ore [illegible] were taken [illegible] [illegible] in the [illegible] [illegible] [illegible] [illegible].

At the time of the [illegible] examination [illegible], Inc., had five men working [illegible] the Blue Ribbon property. They were extending a crosscut through the mineralized structure, and in addition were considering opening a stope [illegible] upper adit level. The [illegible] produced from these operations was trucked to the company mill [illegible] concentrating. [illegible] officials regarded the property amenable to concentration and stated that a profitable operation on the Blue Ribbon could ensue providing the production could be increased. In discussing plans for production expansion, company officials pointed to a need for more [illegible] on the upper adit level, and the advantages to be had in opening the structure from a lower adit to be driven [illegible] feet below the upper adit.

The [illegible] application [illegible] is [illegible] that the Blue Ribbon property has sufficient merit to qualify for an exploration loan. Moreover, the exploration plan proposed by the applicants is basically sound. In a comparison of the two properties to which the [illegible] [illegible], the Blue Ribbon [illegible] [illegible].

The applicants are [illegible] and should be able to [illegible] supervise the proposed exploration project.

[illegible], [illegible]

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

[illegible]
(U. S. Bureau of Mines)

Endorsed:
[illegible]
[illegible]
[illegible]

Dme II 1594

COPY

So. 157 Howard Street
Spokane 8, Washington

July 31, 1951

Memorandum

To: T. P. Billings, Chief, Lead-Zinc Branch

From: Field Team, Region II

Subject: Application for Exploration contract on Blue Kitten mine, Blaine County, Idaho. submitted by Sun Valley Lead-Silver, Inc.

Enclosed is an application for an exploration contract on the Blue Kitten mine, Blaine County, Idaho, submitted by Sun Valley Lead-Silver Mining Inc. Also enclosed are six unsigned copies of the Exploration Project Contract, together with appended exhibits.

Sun Valley Lead-Silver, Inc., previously submitted an application for an access road leading from a point near Ketchum, Idaho, to their mill near the mouth of Rocks (?) Creek and beyond to their Sunday mine. They also applied for an exploration loan on their Sunday mine. Both of these applications were forwarded from this office on May 31, 1951. However, the exploration application on the Sunday mine was poorly prepared, consequently the applicant was interviewed and a revised edition of the application drawn up, which was forwarded from this office on June 18, 1951.

In an interview with the applicant in July, a DMA Examination Team was advised by the applicant that Sun Valley Lead-Silver, Inc., wished to withdraw their exploration application on the Sunday mine and present instead an exploration application on the Blue Kitten mine. Sun Valley officials reasoned that the Blue Kitten property was closer to the Sun Valley mill and more accessible by the same road; also that at the time the application on the Sunday mine was presented Sun Valley Lead-Silver did not control the Blue Kitten property.

A. E. Weissenborn and Thor R. Kiilsgaard, of the Geological Survey visited the Blue Kitten property on July 13. They found the mine workings exploring a replacement deposit of lead-zinc, and silver in a very dense and massive silicified limestone, which borders a granitic contact. The mineralized structure strikes N. 40° W. (?) and dips about 65° S. W. Where cut

by the only underground working on the property (the upper adit), the structure is about 20 feet thick, and consists essentially of disseminated lead, zinc and silver sulphides with occasional blobs (?) and irregular bodies of more high-grade ore. No samples were taken of the deposit for assaying. Exploration workings consist of two small open pits at the outcrop, from which some ore is reported to have been shipped, and an adit which crosscuts the vein about 80 feet below the outcrop. Two very short drifts and a crosscut have been driven from the adit (see map accompanying application).

At the time of the Examination Team's visit Sun Valley, Inc., had five men working at the Blue Kitten property. They were advancing a crosscut through the mineralized structure, and in addition were considering opening a stope off the adit level. Ore produced from these operations was trucked to a company mill for concentrating. Sun Valley officials reported the ore quite amenable to concentration and stated that a profitable operation on the Blue Kitten would ensue providing mine production could be increased. In discussing plans for production expansion, company officials pointed to a need for more drifting on the upper adit level, and the advantages to be had in exploring the structure from a lesser adit to be driven 100 feet below the upper adit.

The DMA Examination Team is of the opinion that the Blue Kitten property has sufficient merit to qualify for an exploration loan. Moreover, the exploration plan advanced by the applicant is ligically sound. In a comparison of the two properties on which Sun Valley Lead-Silver, Inc., has submitted applications, i.e., the Sunday and the Blue Kitten, the Blue Kitten is the more promising and geologically more feasible. It should receive primary consideration in the event an exploration contract is granted Sun Valley Lead-Silver, Inc.

The applicants are experienced mining operators who should be able to intelligently supervise the proposed exploration project.

By Field Team, Region II

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

B. F. Volin, Member
(U.S. Bureau of Mines

Enclosures
cc: L. F. Strobel

FILE COPY
SURNAME:

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

July 17, 1951

A.E.C.

Mr. A. C. Siegle
Assistant to Deputy Commissioner
Bureau of Public Roads
Room 4004, GSA Building
Washington 25, D. C.

Dear Mr. Siegle: re: AR-46, Sun Valley Lead-Silver Mining Company, Idaho

The Sun Valley Lead-Silver Mining Company has recently completed a 100-ton-a-day mill at its operation in Blaine County, Idaho, near the town of Ketchum. We have a report from the DMA Field Team certifying to the amount of reserve ore held by this company which will be processed through their mill and will furnish to the market in excess of a million pounds each of lead and zinc. Further, this company intends to carry on an extensive exploration of its ore bodies and the entire operation has the approval of our field engineers.

An access road application was filed some time ago which entails a 12-mile road from their mines to the mill and to a Y-junction with a highway. We would appreciate a field investigation by your District Engineer as soon as feasible. Contact should be made with Mr. John R. Thornton of the company, Box 57, Ketchum, Idaho, who can give the details of the mine location and no doubt will accompany your engineer.

Two copies of the application are enclosed.

Very truly yours,

Stanley M. Walker
Requirements Division

SMWalker:glr

enclosures

Copies to: Mr. A. E. Weissenborn, Region II
Mr. Moon
Mr. Strobel
Mr. Walker
Files

DMA 1594

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

So. 157 Howard Street
Spokane 4, Washington

June 29, 1951

AIR MAIL

Mr. Landon F. Strobel
Executive Secretary
Defense Minerals Administration
Department of Interior
Washington 25, D. C.

Dear Mr. Strobel:

Enclosed please find four copies of Landlord's Subordination Agreement submitted by the Sun Valley Lead-Silver Mines, Inc., Blaine County, Idaho. The applicant mentions in the covering letter that considerable trouble was encountered in obtaining these forms thus accounting for the delay.

Please place these forms with the exploration application and exploration project contracts which were recently forwarded from this office.

Yours very truly,

Thor H. Kiilsgaard

Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMA
Field Team, Region II

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 5-1951
LANDON F. STROBEL
Executive Secretary

JUL 6 1951

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Blaine, State of Idaho, described in a certain Exploration Project Contract dated _____, 195__, between Sun Valley Lead-Silver Mines, Inc., the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated March 14, 1950, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

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

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

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

Dated this 25 day of June, 1951

Emma L. Bothwell

U. S. GOVERNMENT PRINTING OFFICE 940768

Elizabeth Jane Bowler

The Idaho First National Bank
Boise Trust Branch

By _____
Guardian of the estate of
James Latimer Bothwell

MF-202

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WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Blaine, State of Idaho, described in a certain Exploration Project Contract dated _____, 195__, between Sun Valley Lead-Silver Mines, Inc., the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated March 14, 1950, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

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

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

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

Dated this 25 day of June, 1951

Emma L. Bothwell

Elizabeth Jane Bowler

The Idaho First National Bank
Boise Trust Branch

BY [signature]
Guardian of the estate of
James Latimer Bothwell

U. S. GOVERNMENT PRINTING OFFICE: 940768

MF-202

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

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

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

Dated this 25 day of June, 195 1

Emma L. Bothwell

U. S. GOVERNMENT PRINTING OFFICE 940768

Elizabeth Jane Bowler

The Idaho First National Bank
Boise Trust Branch

By _____
Guardian of the estate of
James Latimer Bothwell

MF-202

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

Dated this 25 day of June, 1951

Emma L. Bothwell

U. S. GOVERNMENT PRINTING OFFICE 940768

Elizabeth Jane Bowler

The Idaho First National Bank
Boise Trust Branch

By _____
Guardian of the estate of
James Latimer Bothwell

FILE COPY
SURNAME:

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

June 25, 1951

Mr. John R. Thornton
Secretary and Treasurer
Sun Valley Lead-Silver Mines, Inc.
Box 57
Ketchum, Idaho

Subject: DMA-1594X
Re: Exploration loan
Sunday Mine

My dear Mr. Thornton:

Receipt is acknowledged of your application and attachments of May 21, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1594X and was referred to Mr. Otto Herres, Chief, Lead-Zinc Branch on June 11, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1594X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:Jeb
cc: Strobel-2
Files
Herres
Lyon

dma 1594 X

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane 8, Washington

May 31, 1951

Mr. Landon F. Strobel
Executive Secretary
Defense Minerals Administration
Department of Interior
Washington 25, D. C.

Dear Mr. Strobel:

Enclosed herewith are three copies of an application for an exploration loan, together with three copies of Form MF-100 submitted by the Sun Valley Lead-Silver Mines, Inc., Blaine County, Idaho. The applicant has confused data required for an exploration loan with that required for a production loan. Therefore, this office is retaining one copy of the application and will contact the applicant and attempt to clarify the confusion.

We would like to call attention to the fact that the application arrived in this office prior to the May 31 deadline, and under normal circumstances would have arrived in Washington prior to the deadline. The applicant brought the application personally to Spokane for delivery to this office. However, upon arrival he was striken with Spotted Fever and it was only by chance that we learned of his condition and secured the application from him.

The DMA Examination Team visited the Sun Valley Lead-Silver property during a recent visit to that area, and concur with the applicant that the property warrants exploration. It is entirely possible that the applicant's mine dumps also qualify for a production loan.

A report by the examination team is in preparation, and will be presented together with a more clarified description of the proposed exploration program and its attendant costs.

Very truly yours,

Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMA
Field Team, Region II

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 5 - 1951
LANDON F. STROBEL
Executive Secretary

Enclosures

cc: U.S.B.M.

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 1594 X

Date received 6-5-51

Participation

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 5-1951
LANDON F. STROBEL
Executive Secretary

Sun Valley Lead-Silver Mines, Inc.,
Box 57
Ketchum, Idaho. Blaine County

Name and address of applicant

Date May 21, 1951

FILL IN THIS BLOCK

Date of application May 21, 1951

Estimated cost $161,794.00

Mineral or metal Lead & Zinc

Percentage of Government participation 50%

Location of mine Warm Springs Mining Dist, Blaine County, Ketchum, Idaho

Boyle mountain on Rook's Creek

Date of filing MF-100 May 31, 1951

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? Answered on MF-100

*2. If a partnership, state names and addresses of partners. Answered on MF-100

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. Answered MF-100

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. Answered on MF-100

*5. Are you the owner or the lessee of the property? Answered on MF-100

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)?

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

16—64067-1

other questions answered on Supplement Sheet of MF-103

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. Answered on MF-100

*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. Answered on MF-100

*13. State source and quantity of water available for operations and its sufficiency at all seasons. Answered on MF-100
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. Answered on MF-100

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

*16. History: Answered on MF-100

(*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: Answered on MF-100

(*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.) Answered on MF-100

(*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.

Sun Valley Lead-Silver Mines, Inc.,
(Name of company)

By John R. Thornton
(Signature of official)
John R. Thornton
Secretary & Treasurer
(Title)

May 21, 1951
(Date)

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

Sun Valley Lead Silver Mines, Inc., Ketchum, Idaho.

SUPPLEMENT SHEET OF
APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO ORDER #5 DMA

6. Have an agreement to give 12½% of ore shipped to smelter.
7. Lease and Option to purchase, giving 12½% of ore shipped to smelter, with ten(10) years to pay $ 50,000.00 when property becomes the property of the company. (Attached find agreement)
8. Current Financial Statementshowing assets and liabilities and also profit and loss statement.

2. Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho.

SUPPLEMENT SHEET OF
APLLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO ORDER #5 DMA

9. The company is prepared to invest $75,000.00 in the project as detailed in question No.23 of this application and(Section 9 of Mineral Order 5)

10. (a) The mine known as the Sunday Mine(Formerly known as Boston-Idaho Co) consists of seven(7) patented claims and twenty(20) unpatented claims situated on Boyle mountain 12 miles up Warm Springs creek from Ketchum, Idaho. This property was worked extensively during the 80's and 90's with succes and operations ceased when the metal prices fell to low for operation.
The company has just completed and has now in operation a 100 ton flotation mill 35X92 with two additional ore bins and mill office.
(b) Twenty seven(27) claims of the Sunday group situated on Boyle mountain on Rook's Creek in Township 4N, Section 23, Range 16 EBM. The mill is situated in the same area.

15. As we have our own mill the ore will be milled at our own mill and trucked 6 miles to Union Pacific R.R. at Ketchum, Idaho or trucked through to the smelter at Salt Lake City, Utah.

19. There is approximately 200,000 tons of good milling ore in dumps on the Sunday mine property that will be milled by our mill which is substaniated by letters attached to MF-100.

20. The exporation will be conducted for Lead and Zinc from ore dumps and ore from the ore bodies in the Sunday property which as referred to in Mr. Hobson's letter should run from $9.00 to $80.00 per ton at the price of ore in 1949.

21. The work consists of the hauling of the ore dumps to the mill for milling and the opening up of the various tunnels, timbering, laying track and other such work as to make the tunnels accessable for full scale mining. The time required would run from 6 months to one year.

22. By referring to the letters of Mr Hobson, Mr. McKinley and Mr. Gibbs which are attached to MF-100 it can readily be noted that the geological basis is very good and the sampling tests referred to show that commercial values are there, as the dumps taken from this property which is what was left after the old timers took out only the high grade ore are very good milling ore. We are now having made geological maps and assay maps.

23.

(a)	5 Timbermen @ $12.60 per day-6 months	$9828.00
	5 Miners @ 12.50 " " -6 "	9750.00
	5 Muckers @ 11.75 " " -6 "	9135.00
	3 Carpenters to build addition for Ball Mill	2000.00
	3 Mechanics to install additional " "	3000.00
	2 Bulldozer Operators @ $12.00 per day-6 mo's	3744.00
	1 Shovel Operator @ 15.40 per day-6 months	2402.00
(b)	1 Mine Supt @ $500.00 per month-6 months	3000.00
	1 Mine Foreman @ $450.00 per mo-6 "	2700.00
(c)	Timber for tunnels, stations etc.	4000.00
(d)	Lumber to build addition to mill for Ball Mill	3000.00
(e)	1 Ball Mill	20000.00
	1 Compressor	13735.00
	1 Mucking Machine	2800.00
	3 Drill Machines, drill bits, steels etc	8000.00
	Pipe- 2000 ft	2500.00
	Mine rail- 2000 ft	2000.00
(f)	Cost of hauling 30,000 tons ore dumps to mill by four trucks @ $1.50 per ton	45000.00
(g)	1 Shovel 1½yds for 6 months	3500.00
	2 Bulldozers for 6 months	6000.00
(h)	Powder, stoping steels, jacks etc	500.00
(i)	Electricity for 6 months	3200.00
	Gas, oil etc	2000.00

6/16/794.00

T-$161794.00

Sun Valley Lead-Silver Mines, Inc.,Ketchum,Idaho.

SUPPLEMENT SHEET OF
APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO ORDER #5 DMA

24. The cost and installation of the Ball Mill and the construction of an addition to the mill proper to house the Ball Mill will require about three(3) months and the cost and installation will be as follows:

Cost of Ball Mill	$20000.00	
Labor	5000.00	
Lumber and material	3000.00	
	$28000.00	$28000.00

The hauling of 30000 tons of ore dumps @ $1.50 per ton,using 4 trucks and 1 shovel will require about six(6) months. Cost as follows:

Cost of hauling ore	$45000.00	
Rental of Bulldozer	3000.00	
Rental of shovel	3500.00	
Labor-Shovel and Dozer operators	4274.00	
	$55774.00	$55774.00

Opening,repairing,timbering etc of tunnels,stations, winzes etc will require six(6) months as follows:

5 Timbermen	$ 9828.00	
5 Miners	9750.00	
5 Muckers	9135.00	
1 Dozer Operator	1872.00	
1 Mine Supt	3000.00	
1 Mine Foreman	2700.00	
Timber and materials	4000.00	
1 Compressor	13735.00	
1 Mucking Machine	2800.00	
3 Drill Machines,drill bits,steels etc	8000.00	
Pipe and mine rail	4500.00	
Rental of Bulldozer for 6 months	3000.00	
	$72320.00	$72320.00

Gas, oil,powder,stoping steels,jacks,hose etc, to be used over six(6) month period on above jobs

	$ 2500.00	
	$ 2500.00	$ 2500.00

Electricity to operate the flotation mill for a period of six(6) months

	$ 3200.00	
	$ 3200.00	$ 3200.00
Total Cost		$61794.00

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 1594-X

Date received 6-5-51

Participation

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 5-1951
LANDON F. STROBEL
Executive Secretary

Sun Valley Lead-Silver Mines, Inc.,
Box 57
Ketchum, Idaho. Blaine County

Name and address of applicant

Date May 21, 1951

FILL IN THIS BLOCK

Date of application May 21, 1951

Estimated cost $161794.00

Mineral or metal Lead & Zinc

Percentage of Government participation 50%

Location of mine Warm Springs Mining Dist, Blaine County, Ketchum, Idaho

Boyle mountain on Rook's Creek

Date of filing MF-100 May 21, 1951

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? Answered on MF-100
*2. If a partnership, state names and addresses of partners. Answered on MF-100
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. Answered MF-100
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. Answered on MF-100
*5. Are you the owner or the lessee of the property? Answered on MF-100
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

All other questions answered on Supplement Sheet of MF-103

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. Answered on MF-100

*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. Answered on MF-100

*13. State source and quantity of water available for operations and its sufficiency at all seasons. Answered on MF-100
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. Answered on MF-100

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

*16. History: Answered on MF-100

(*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: Answered on MF-100

(*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.) Answered on MF-100

(*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.

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(*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.

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24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Sun Valley Lead-Silver Mines, Inc.,
(Name of company)

By John R. Thornton
(Signature of authorized official)

May 21, 1951
(Date)

John R. Thornton
Secretary & Treasurer
(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

Sun Valley Lead Silver Mines, Inc., Ketchum, Idaho

SUPPLEMENT SHEET OF
APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO ORDER #5 DMA

6. Have an agreement to give 12½% of ore shipped to smelter.
7. Lease and Option to purchase, giving 12½% of ore shipped to smelter, with ten(10) years to pay $ 50,000.00 when property becomes the property of the company. (Attached find agreement)
8. Current Financial Statementshowing assets and liabilities and also profit and loss statement.

2. Sun Valley Lead-Silver Mines, Inc., Ketchum Idaho.

SUPPLEMENT SHEET OF
APLLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO ORDER #5 DMA

9. The company is prepared to invest $75,000.00 in the project as detailed in question No.23 of this application and(Section 9 of Mineral Order 5)

10. (a) The mine known as the SundaybMine(Formerly known as Boston-Idaho Co) consists of seven(7) patented claims and twenty(20) unpatented claims situated on Boyle mountain 12 miles up Warm Springs creek from Ketchum, Idaho. This property was worked extensively during the 80's and 90's with succes and operations ceased when the metal prices fell to low for operation.
The company has just completed and has now in operation a 100 ton flotation mill 35X92 with two additional ore bins and mill office.
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15. As we have our own mill the ore will be milled at our own mill and trucked 6 miles to Union Pacific R.R. at Ketchum, Idaho or trucked through to the smelter at Salt Lake City, Utah.

19. There is approximately 200,000 tons of good milling ore in dumps on the Sunday mine property that will be milled by our mill which is substaniated by letters attached to MF-100.

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21. The work consists of the hauling of the ore dumps to the mill for milling and the opening up of the various tunnels, timbering, laying track and other such work as to make the tunnels accessable for full scale mining. The time required would run from 6 months to one year.

22. By referring to the letters of Mr Hobson, Mr. McKinley and Mr. Gibbs which are attached to MF-100 it can readily be noted that the geological basis is very good and the sampling tests referred to show that commercial values are there, as the dumps taken from this property which is what was left after the old timers took out only the high grade ore are very good milling ore. We are now having made geological maps and assay maps.

23.

(a)	5 Timbermen @ $12.60 per day-6 months	$9828.00
	5 Miners @ 12.50 " " -6 "	9750.00
	5 Muckers @ 11.75 " " -6 "	9135.00
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	1 Shovel Operator @ 15.40 per day-6 months	2402.00
(b)	1 Mine Supt @ $500.00 per month-6 months	3000.00
	1 Mine Foreman @ $450.00 per mo-6 "	2700.00
(c)	Timber for tunnels, stations etc.	4000.00
(d)	Lumber to build addition to mill for Ball Mill	3000.00
(e)	1 Ball Mill	20000.00
	1 Compressor	13735.00
	1 Mucking Machine	2800.00
	3 Drill Machines, drill bits, steels etc	8000.00
	Pipe- 2000 ft	2500.00
	Mine rail- 2000 ft	2000.00
(f)	Cost of hauling 30,000 tons ore dumps to mill by four trucks @ $1.50 per ton	45000.00
(g)	1 Shovel 1½yds for 6 months	3500.00
	2 Bulldozers for 6 months	6000.00
(h)	Powder, stoping steels, jacks etc	500.00
(i)	Electricity for 6 months	3200.00
	Gas, oil etc	2000.00
		$161794.00
		T-$161794.00

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho.

SUPPLEMENT SHEET OF
APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO ORDER #5 DMA

24. The cost and installation of the Ball Mill and the construction of an addition to the mill proper to house the Ball Mill will require about three(3) months and the cost and installation will be as follows:

Cost of Ball Mill	$20000.00	
Labor	5000.00	
Lumber and material	3000.00	
	$28000.00	$28000.00

The hauling of 30000 tons of ore dumps @ $1.50 per ton, using 4 trucks and 1 shovel will require about six(6) months. Cost as follows:

Cost of hauling ore	$45000.00	
Rental of Bulldozer	3000.00	
Rental of shovel	3500.00	
Labor-Shovel and Dozer operators	4274.00	
	$55774.00	$55774.00

Opening, repairing, timbering etc of tunnels, stations, winzes etc will require six(6) months as follows:

5 Timbermen	$ 9828.00	
5 Miners	9750.00	
5 Muckers	9135.00	
1 Dozer Operator	1872.00	
1 Mine Supt	3000.00	
1 Mine Foreman	2700.00	
Timber and materials	4000.00	
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1 Mucking Machine	2800.00	
3 Drill Machines, drill bits, steels etc	8000.00	
Pipe and mine rail	4500.00	
Rental of Bulldozer for 6 months	3000.00	
	$72320.00	$72320.00

Gas, oil, powder, stoping steels, jacks, hose etc. to be used over six(6) month period on above jobs $ 2500.00
$ 2500.00 $ 2500.00

Electricity to operate the flotation mill for a period of six(6) months $ 3200.00
$ 3200.00 $ 3200.00

Total Cost $61794.00

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-1594X

Date received 6/22/51

Participation

Sun Valley Lead-Silver Mines, Inc.
Box 57
Ketchum, Idaho. Blaine County

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 22 1951
LANDON F. STROBEL
Executive Secretary

Name and address of applicant

Date May 21, 1951

FILL IN THIS BLOCK

Date of application May 21, 1951

Estimated cost $54,735

Mineral or metal Lead & Zinc

Percentage of Government participation 50%

Location of mine Warm Springs Mining Dist. Blaine County, Ketchum, Idaho

Boyle mountain on Rook's Creek

Date of filing MF-100 May 31, 1951

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.

JUN 22 1951

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Answered on MF-100

*2. If a partnership, state names and addresses of partners. Answered on MF-100

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. Answered MF-100

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. Answered on MF-100.

*5. Are you the owner or the lessee of the property? Answered on MF-100

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

All other questions answered on Supplement Sheet of MF-103.

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. Answered on MF-100

*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. Answered on MF-100

*13. State source and quantity of water available for operations and its sufficiency at all seasons. Answered on MF-100
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. Answered on MF-100

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

*16. History: Answered on MF-100
    (*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: Answered on MF-100
    (*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.) Answered on MF-100
    (*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.
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    (*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.

Sun Valley Lead-Silver Mines, Inc.
(Name of company)

By John R. Thornton
(Signature of authorized official)

May 21, 1951
(Date)

John R. Thornton
Secretary & Treasurer
(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

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho

Questions

6. The Sunday property is held by the applicant under lease with option to buy for $50,000.00. Payments consist of 12½ percent of net smelter returns.

7. Not applicable.

8. One copy of financial statement is included herewith. Other copies were submitted with previous application.

9. Applicant is prepared to furnish 50 percent of estimated cost of project.

10. (a) The mine known as the Sunday mine (formerly known as Boston-Idaho Co.) consists of seven (7) patented claims and twenty (20) unpatented claims situated on Boyle mountain 12 miles up Warm Springs creek from Ketchum, Idaho. This property was worked extensively during the 80's and 90's with success and operations ceased when the metal prices fell too low for operation.

The company has just completed and has now in operation a 100-ton flotation mill 35 x 92 with two additional ore bins and mill office. Twenty seven (27) claims of the Sunday group situated on Boyle mountain on Rook's creek in Township 4 N. Section 23, Range 16 EBM. The mill is situated in the same area.

(b) All exploration work will be on the patented Sunday claim, a map of which is in the Blaine County Courthouse, Hailey, Idaho, and which will be submitted upon request.

15. Ore will be treated at our selective flotation mill located 5 miles from the Sunday mine.

19. There is approximately 200,000 tons of good milling ore in dumps on the Sunday mine property that will be milled by our mill which is substantiated by letters attached to MF-100.

20. Lead, zinc, and silver will be produced from the Sunday mine. We are at the present time milling dump material from the Sunday, of which there is an estimated 200,000 tons.

21. The exploration program is outlined as follows:

1. Rehabilitate the Shaw tunnel.
2. Improve 2½ miles of road leading from the mouth of Rooks Creek to the portal of the Shaw tunnel.
3. Drive 250 feet of crosscut to a point where a 150-foot raise will be driven to come under the 65-foot winze extending from the Ross tunnel level.
4. Drive 500 feet of drift and crosscut on the Shaw level to explore for the ore shoot projected from Ross Tunnel level.

It is estimated that 13 months will be required to complete the contract.

23. Cost of proposed program is outlined as follows:

Proposed work	Cost	
1. Rehabilitate Shaw tunnel		
2000 feet of rail	$2,000	
2000 feet 2" pipe	2,500	
3 miners @ $12.50 day for 120 days	4,500	
		$9,000
2. Improve 2½ miles of road, 30 days bulldozing @ $8 per hour	$2,400	
Two men with jackhammer, powder, etc.	1,100	
		3,500
3. Drive 250 feet of crosscut @ $25 per foot	$6,250	
Drive 150 feet of raise @ $25 per foot	3,750	
		10,000
4. Drive 500 feet of crosscut and tunnel on Shaw level at $25 per foot	12,500	
		12,500

The following equipment is to be purchased by the Operator:

600 cubic-foot Diesel driven air compressor	13,735	
Mucking machine	2,800	
1 Stoper	1,000	
1 automatic drifter	1,000	
1 Compressor and tool shed	1,200	
		19,735
TOTAL		$54,735

Equipment to be furnished by Operator:

	Present Value
1 Stoper	$ 525
1 automatic liner	625
1 jackhammer	285
1 Universal air trammer	1,500
4 Mine cars @ $325 each	1,300
1 ventilation blower	250
1000 feet of ventilation pipe @ $.50 per foot	500
1 gas motor for ventilating unit	200
1 4 x 4 pickup truck	500
1 ton and one/half dump truck	2,500

Time Schedule
1st to 5th Month

Rehabilitate Shaw tunnel, improve road, and purchase equipment	$32,235
5th to 9th Month	
Drive 250 feet of crosscut and 150 feet of raise	10,000
9th to 14th Month	
Drive 500 feet of drift and crosscut on Shaw tunnel level	12,500
Total Cost	$ 54,735

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-1594 X

Date received 6/22/51

Participation

Sun Valley Lead-Silver Mines, Inc.
Box 57
Ketchum, Idaho. Blaine County

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 22 1951
LANDON F. STROBEL
Executive Secretary

Name and address of applicant

Date May 21, 1951

FILL IN THIS BLOCK

Date of application May 21, 1951

Estimated cost $64,735

Mineral or metal Lead & Zinc

Percentage of Government participation 50%

Location of mine Blaine County, Ketchum, Idaho
Boyle mountain on Rock's Creek

Date of filing MF-100 May 31, 1951

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? Answered on MF-100
*2. If a partnership, state names and addresses of partners. Answered on MF-100
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. Answered MF-100
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. Answered on MF-100
*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

All other questions answered on Supplement Sheet of MF-103.

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. Answered on MP-100
*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. Answered on MP-100
*13. State source and quantity of water available for operations and its sufficiency at all seasons. Answered on MP-100
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. Answered on MP-100
15. State in detail how the ore could be shipped and how and where milled.
*16. History: Answered on MP-100
    (*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: Answered on MP-100
    (*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.) Answered on MP-100.
    (*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.

Sun Valley Lead-Silver Mines, Inc.
(Name of company)

By John R. Thornton
(Signature of authorized official)

Apr. 21, 1961
(Date)

John R. Thornton
Secretary & Treasurer
(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

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho

Questions

6. The Sunday property is held by the applicant under lease with option to buy for $50,000.00. Payments consist of 12½ percent of net smelter returns.

7. Not applicable.

8. One copy of financial statement is included herewith. Other copies were submitted with previous application.

9. Applicant is prepared to furnish 10 percent of estimated cost of project.

10. (a) The mine known as the Sunday mine (formerly known as Boston-Idaho Co.) consists of seven (7) patented claims and twenty (20) unpatented claims situated on Boyle mountain 12 miles up Warm Springs creek from Ketchum, Idaho. This property was worked extensively during the 80's and 90's with success and operations ceased when the metal prices fell too low for operation.

The company has just completed and has now in operation a 100-ton flotation mill 35 x 92 with two additional ore bins and mill office. Twenty seven (27) claims of the Sunday group situated on Boyle mountain on Roo's creek in Township 4 N. Section 23, Range 18 E. The mill is situated in the same area.

(b) All exploration work will be on the patented Sunday claim, a map of which is in the Blaine County Courthouse, Hailey, Idaho, and which will be submitted upon request.

13. Ore will be treated at our selective flotation mill located 6 miles from the Sunday mine.

14. There is approximately 200,000 tons of good milling ore in dumps on the Sunday mine property that will be milled by our mill which is substantiated by letters attached No. 1-10.

20. Lead, zinc, and silver will be produced from the Sunday mine. We are at the present time milling some material from the Sunday, of which there is an estimated 200,000 tons.

21. The exploration program is outlined as follows:

1. Rehabilitate the Glen tunnel.
2. Improve 2 miles of road leading from the south of Rooks Creek to the portal on the Glen tunnel.
3. Drive 200 feet of crosscut to a point where a 100-foot raise will be driven to come under the 45-foot winze extending from the Moss tunnel level.
4. Drive 100 feet of drift and crosscut on the Glen level to explore for the ore shoot projected from Moss tunnel level.

It is estimated that 18 months will be required to complete the contract.

23. Cost of proposed program is outlined as follows:

Proposed work	Cost	
1. Rehabilitate Shaw tunnel		
2000 feet of rail	2,[illegible]	
2000 feet 2" pipe	2,500	
3 miners @ $12.50 day for 120 days	4,500	
		19,000
2. Improve 2½ miles of road 30 days bulldozing		
3 men four	2,400	
two men with jackhammer, powder, etc.	1,100	
		3,500
3. Drive 200 feet of crosscut @ $12.50 per foot	2,250	
Drive 150 feet of raise 25 per foot	3,750	
		10,000
4. Drive 500 feet of crosscut and tunnel on low level at 25 per foot	12,500	
		12,500

The following equipment is to be purchased by the Operator:

600 cubic-foot Diesel driven air compressor	13,735	
Mucking machine	2,800	
1 Stoper	1,000	
1 automatic drifter	1,000	
1 Compressor and tool shed	1,200	
		19,735
TOTAL		54,735

Equipment to be furnished by operators:

	Present Value
1 Stoper	325
1 automatic liner	325
1 jackhammer	225
1 Universal air drawer	1,500
4 line pers @ 325 each	1,300
1 ventilation blower	250
1200 feet of ventilation pipe @ .50 per foot	600
1 gas motor for ventilation unit	250
1 6 x 4 pickup truck	600
1 ton and one/half dump truck	2,000

Time Schedule
1st to 5th Month

Rehabilitate Shaw tunnel, improve road, and purchase equipment	32,235
5th to 9th Month	
Drive 250 feet of crosscut and 150 feet of raise	10,000
9th to 14th Month	
Drive 500 feet of drift and crosscut on Shaw tunnel level	12,500
Total Cost	$ 54,735

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-1594X

Date received 6/22/51

Participation

Sun Valley Lead-Silver Mines, Inc.
Box 57
Ketchum, Idaho. Blaine County

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 22 1951
LANDON F. STROBEL
Executive Secretary

Name and address of applicant

Date May 21, 1951

FILL IN THIS BLOCK

Date of application May 21, 1951

Estimated cost $54,735

Mineral or metal Lead & Zinc

Percentage of Government participation 50%

Location of mine Warm Springs Mining Dist. Blaine County, Ketchum, Idaho

Boyle mountain on Rook's Creek

Date of filing MF-100 May 31, 1951

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? Answered on MF-100

*2. If a partnership, state names and addresses of partners. Answered on MF-100

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. Answered MF-100

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. Answered on MF-100.

*5. Are you the owner or the lessee of the property? Answered on MF-100

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

All other questions answered on Supplement Sheet of MF-103.

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. Answered on MF-100

*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. Answered on MF-100

*13. State source and quantity of water available for operations and its sufficiency at all seasons. Answered on MF-100
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. Answered on MF-100

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

*16. History: Answered on MF-100
    (*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: Answered on MF-100
    (*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.) Answered on MF-100
    (*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.

Sun Valley Lead-Silver Mines, Inc.
(Name of company)

By John R. Thornton
(Signature of authorized official)

May 21, 1951
(Date)

John R. Thornton
Secretary & Treasurer
(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

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho

Questions

6. The Sunday property is held by the applicant under lease with option to buy for $50,000.00. Payments consist of 12½ percent of net smelter returns.

7. Not applicable.

8. One copy of financial statement is included herewith. Other copies were submitted with previous application.

9. Applicant is prepared to furnish 50 percent of estimated cost of project.

10. (a) The mine known as the Sunday mine (formerly known as Boston-Idaho Co.) consists of seven (7) patented claims and twenty (20) unpatented claims situated on Boyle mountain 12 miles up Warm Springs creek from Ketchum, Idaho. This property was worked extensively during the 20's and 30's with success and operations ceased when the metal prices fell too low for operation.

The company has just completed and has now in operation a 100-ton flotation mill 38 x 92 with two additional ore bins and mill office. Twenty seven (27) claims of the Sunday group situated on Boyle mountain on Rook's creek in Township 4 N. Section 28, Range 18 E.B.M. The mill is situated in the same area.

(b) All exploration work will be on the patented Sunday claim, a map of which is in the Blaine County Courthouse, Hailey, Idaho, and which will be submitted upon request.

15. Ore will be treated at our selective flotation mill located 5 miles from the Sunday mine.

19. There is approximately 200,000 tons of good milling ore in dumps on the Sunday mine property that will be milled by our mill which is substantiated by letters attached to #5-100.

20. Lead, zinc, and silver will be produced from the Sunday mine. We are at the present time milling dump material from the Sunday, of which there is an estimated 200,000 tons.

21. The exploration program is outlined as follows:

1. Rehabilitate the Shaw tunnel.
2. Improve 2½ miles of road leading from the mouth of Rooks Creek to the portal of the Shaw tunnel.
3. Drive 250 feet of crosscut to a point where a 150-foot raise will be driven to come under the 65-foot winze extending from the Ross tunnel level.
4. Drive 400 feet of drift and crosscut on the Shaw level to explore for the ore shoot projected from Ross Tunnel level.

It is estimated that 13 months will be required to complete the contract.

23. Cost of proposed program is outlined as follows:

Proposed work	Cost	
1. Rehabilitate Shaw tunnel		
2000 feet of rail	$2,000	
2000 feet 2" pipe	2,500	
3 miners @ $12.50 day for 120 days	4,500	
		$9,000
2. Improve 2½ miles of road 30 days bulldozing @ $80 per hour	2,400	
Two men with jackhammer, powder, etc.	1,100	
		3,500
3. Drive 250 feet of crosscut @ $25 per foot	6,250	
Drive 150 feet of raise @ $25 per foot	3,750	
		10,000
4. Drive 500 feet of crosscut and tunnel on Shaw level at $25 per foot	12,500	
		12,500

The following equipment is to be purchased by the Operator:

600 cubic-foot Diesel driven air compressor	13,735	
Mucking machine	2,800	
1 Stoper	1,000	
1 automatic drifter	1,000	
1 Compressor and tool shed	1,200	
		19,735
TOTAL		54,735

Equipment to be furnished by Operator:

	Present Value
1 Stoper	625
1 automatic liner	625
1 jackhammer	225
1 Universal air tramper	1,500
4 Mine cars @ $325 each	1,300
1 ventilation blower	250
1000 feet of ventilation pipe @ $.50 per foot	50
1 gas motor for ventilating unit	200
1 4 x 4 pickup truck	500
1 ton and one/half dump truck	2,500

Time Schedule
1st to 5th Month

Rehabilitate Shaw tunnel, improve road, and purchase equipment	$32,235
5th to 9th Month	
Drive 250 feet of crosscut and 150 feet of raise	10,000
9th to 14th Month	
Drive 500 feet of drift and crosscut on Shaw tunnel level	12,500
Total Cost	$ 54,735

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

File

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMA 1594X

Date received MS - 2136

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 5 - 1951
LANDON F. STROBEL
Executive Secretary

Sun Valley Lead-Silver Mines, Inc.,
Box 57
Ketchum, Idaho.

Name and address of applicant

Date May 21, 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)~~XXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX zation Deduction) of Internal Revenue Code, 1950, (5) XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX~~ priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and ~~(6)~~ 5 other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   ☐ Owner.
   ☐ Lessee.
   ☐ Contractor.
5. Number of years in production ____________
   If not in production or operation, estimated date when production will begin ____________
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

All questions not answered on this form will be found on attached sheets

16-68792-1

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)
Ross L. Roundy Ketchum, Idaho	Pres & Mgr "D"	6000.00	$30000.00	110000	None	None	
John R. Thornton Ketchum, Idaho	Sec'y & Treas. "D"	5400.00	15000.00	150000	None	None	
L.O.Lindberg Kalispell, Mont.	Vice Pres. "D"	None	50000.00	62000	None	None	
H. J. Warren Hamilton, Mont.	"D"	None	25000.00	81000	None	None	
R. F. Holt Hamilton, Mont	"D"	None	25000.00	42000	None	None	
Percy Johnson Ketchum, Idaho	Stockholder	None	20000.00	60000	None	None	
Eugene Noxon Ketchum, Idaho.	Stockholder	None	30000.00	101000	None	None	
	Total	$11400.00	x x x x x	606000	None	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	$300000000	$292400.00	$300000.00	292400	None paid
Preferred stock	$ None	$ None	$ None	None	None paid

*Indicate period covered.

10. Production: None - Mill just started operation

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.)	None	None	None	None	None
2. Quantity of product processed (specify unit of measure and type of process)	None	None	None	None	None
3. Quantity and grade of product sold or shipped (specify units of measure)	None	None	None	None	None

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.

Sun Valley Lead-Silver Mines,Inc., Ketchum,Idaho.

Supplement Sheet of General Technical Data- MF-100

1. Materials Produced:
   (a) Lead and Zinc.
   (b) None
2. Name of Mine: Sunday Mine,lode type, formerly known as Boston-Idaho mine.
   Mill: Flotation type mill-100 ton capacity at present.
   (a) 65 feet of shaft(showing good ore)
   (b) 150 feet of drifts and crosscuts. Tunnels have size for productive
   (c) 4500 feet of tunnels (All did by hand work) mining.
   (d) 15 other adits, from 25 to 60 feet,where work did by hand.

   Mine is not flooded. For productive capacity refer to letters of Mr. Frank Hobson,Frank McKinley, Ross Roundy and Harry Gibbs.
3.
   (a) Mill is six(6) miles from Union Pacific R.R. Ketchum, Idaho Mine is twelve (12) miles from U.P.R.R.Ketchum,Idaho and six (6) miles from the mill,which is approximately half way between mine and the shipping point.
   (b) Warm Springs District.
   (c) Twp 4N, Section 23 , Range 16 EBM
   (d) Blaine county, Idaho.
4. (a) Not yet in operation except,that, part of ore dumps have been hauled and this ore is being treated at mill which has just started operation.
   (b) The company is operating this property as ~~owner~~. Lessee ropti oa
5. The mine(Sunday which was formerly known as the Boston-Idaho Co) was in production during the 80's and 90's but nothing but the high grade Lead-Silver ore was taken and shipped at that time,the rest being left in the dumps which has been measured and estimated to contain 200,000 tons. Above mentioned letters give reference to this also. Production within the mine proper is estimated to begin within 30 days which is in addition to the mill operation of the dump ore.Low metal prices forced closing of operations
6. Experience of operators:

   Mr. Ross Roundy the President and General manager of the company, worked at all phases of the mining indutry for several years previous to 1916 for Bunker Hill Mine,Kellogg,Ida.,Standard Mine,Mace, Ida., Frisco Mine,Frisco,Ida.,Hecle and Hercules Mine,Burke,Ida.and was mining and shift boss at Success Mine 1914 to 1916.,from 1916 to 1919 he was mine foreman and leasing at Rex Consoidated,from 1919 to 1921 he was Supt. at Snake & Opportunity,Hillsboro,N.M.,1921 to 1923 he was Supt of operations at Galena mine for Callahan Zinc Lead Co.,from 1923 to 1949 he has been Supt of operations at the following mines.,Sheridan Lease,Midnight,Golconda,Granada,Last Chance, Silver Crescent,Roundy Lease,Rimini,Mont.,Sunset Lease,Wallace,Ida., and Nancy Lee,Superior,Mont.,during the last five(5) years he has also in addition to the above had the management and supervision of this company-Sun Valley Lead-Silver Mines,Inc.,Ketchum,Ida. Mr Roundy is rated as one of the outstanding mining men of the west.

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho.

Continuation-Supplement Sheet of General Technical Data MF-100

6(Con)

Mr. John R. Thornton, Superintendent has worked at all phases of the mining industry with Mr. Roundy commencing in the spring of 1940 at Rimimi, Montana. from 1941 to 1946 he was assistant to Mr. Roundy at Sunset Lease Mine, Granada Lead Mine and Golconda Mine. From 1946 to the present he has been Supt. at the Sun Valley Lead-Silver Mines, Inc., also serving as Secretary and Treasurer.

7. History:

(a) The Sunday mine(Formerly called Boston-Idaho Co) had extensive explorations did on it in the early days of the 80's and 90's and also development work was done and there was a program afoot at the time that operations ceased to do extensive development work and it was operated successfully for over twenty(20) years and several million dollars of high grade ore was taken. Note-Letter of Mr. Frank Hobson. Operations ceased when the price of metals dipped to a low figure.

(b) During the 80's and 90's and up until 1905-6 there were around one hundred neighboring mines in production and at one time there was a smelter that operated just on the outshirts of Ketchum and as stated the drop in the ore prices curtailed operation and production.

(c) Please see attached letters and other data for answer to this question.

11. The company has just recently started operation of their 100 ton flotation mill and which shows fine results to date as referred to in the letter of Mr. Harry Gibbs; tunnels will be opened up and the mining of new ore will commence within 30 days with a maximum production of 1500 tons per month and with the addition of another Ball Mill our flotation mill should have a monthly production of or treatment of a maximum of 6000 tons of crude ore .

12.(a)Please refer to letter of Mr. Harry Gibbs, Frank McKinley and other data attached to application.

(b)Deposit is other than placer: Dode mine

(1) Refer to letters of Mr. Frank Hobson and Mr. Harry Gibbs for measured and probable mineral reserves and to letter of Mr. Frank McKinley for assays

(b)Not placer.

13. Roads: Road from mine to mill and from mill to shipping point and residence points is gravel but becomes difficult to traverse in winter and spring.

14. Water: Well with ample supply of water on mill project and three(3) water tanks with 7000 gallon capacity.each.

15. Power: Power obtained from high line of Idaho Power Company in the amount of aproximately 30,000 killowatts per month at the rate of 1½ cents per killowatt.

16. Labor: Men employed at mill during last pay period include: 1 Supt of operations;1 Mill foreman;1 bookkeeper;1 mechanic;1 mechanic's helper;3 mill operators;3 operators helpers and 1 watchman. This number will be augmented by about 25 miners, muckers etc., when mining activities commence in about thirty days.

17. Equipment&; Facilities: A new mill building was completed about two months ago which has the following dimensions 35'X 92' in addition is a fine ore bin 16'X 16'X 20';one crude ore bin 18'X 18'X 20' all made of wood and covered with galvanized steel and mill office 16'X 16'in addition there are 3 cabins on the Sunday property suitable for housing.

Sun Valley Lead-Silver Mines,Inc., Ketchum, Idaho.

Continuation-Supplement Sheet of General Technical Data MF-100

17.(Con)

Equipment &: The equipment in mill consists of the following

Facilities :

1 Harding 6X22 Ball Mill	1-8 cell Un Ir Wks flotation mach
1 Universal Primary Crusher	1-4 cell Fageren " "
1 Traylor Secondary Crusher	2-2 cell Sub A " "
3 Ore conveyor belts	2-1½ Gould Pumps
1 Donr double rake classifier	2-3X4 Oliver continuous Filters

In addition there is all the necessary electric motors,belts, pulleys and tools necessary to the operation of the mill

Outside Equipment consists of the following:

1 Allis-Chalmers HD 7 Bulldozer
1-1½ Ford Dump Truck
1-4x4 Station Wagon(4 wheel drive)
1-4X4 Weapons Carrier (Dodge)
1-Quickway ½ yard Shovel mounted on 6X6 Studebaker Truck

Mining equipment consists of the following:

3000 ft 2" Pipe	1000 ft 8" Ventilation Pipe
1-8" Impeller type fan	8 ton 16# mine rails
1-30X72 Air reciever tank	1-36X96 Air reciever tank

1 Universal Tramaire Locomotive
1 Emco-Finley Mucking machine
1 Gardner-Denver 89 Drifter
1 Ingersoll-Rand Drifter
1 R-104 Gardner-Denver Stoper
1 HS-15 " " "
1 Chicago Pneumatic 315 cu ft gas driven Compressor
2-24 cu ft ore cars
1-18 cu ft " "
All necessary hoses,oilers etc. to complete and the necessary drill bits,drifter steels,stoper steels and jack hammers
2 Auxillary timber trucks.

18. None that we can recall at present.

(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)	wet 200,000	8%	$9.00	$7.25	$3.00
Indicated (probable)	wet 500,000	8% to 40%	$40.00	$32.00	$7.50

The above figures refer to the ore dumps(crude ore)

Lower figures refer to probable ore in mine a good per cent showing.

(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.

Sun Valley Lead-Silver Mines, Inc.
(Name of company)

Ketchum, Idaho

May 21, 1951
(Date)

By John R. Thornton
(Signature of authorized official)

John R. Thornton
Secretary & Treasurer
(Title)

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

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

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA-1594X

Date received 6/22/51

Participation

[illegible]

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 22 1951
LARSON F. STROBEL
Executive Secretary
Date [illegible]

Name and address of applicant

FILL IN THIS BLOCK

Date of application [illegible]

Estimated cost [illegible]

Mineral or metal [illegible]

Percentage of Government participation [illegible]

Location of mine [illegible]

[illegible]

Date of filing MF-100 [illegible]

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? [illegible]
*2. If a partnership, state names and addresses of partners. [illegible]
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. [illegible]
*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? [illegible]
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

[illegible]

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons. State amount of power to be used, rate per hour or other cost, and source.
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.
15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

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

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.
22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

(Name of company)	By John R. Thornton (Signature of authorized official)
(Date)	(Title)

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

*Same as footnote on page 1.

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

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho

Questions

1. The Sunday property is held by the applicant under lease with option to buy for $50,000.00. Payments consist of 12½ percent of net smelter returns.

2. Not applicable.

3. The copy of financial statement is included herewith. Other copies were submitted with previous application.

4. Applicant is prepared to furnish 50 percent of estimated cost of project.

5. (a) The mine known as the Sunday mine (formerly known as Boston-Idaho Co.) consists of seven (7) patented claims and twenty (20) unpatented claims situated on Doyle Mountain 12 miles up Warm Springs Creek from Ketchum, Idaho. This property was worked extensively during the 80's and 90's with success and operations ceased when the metal prices fell too low for operation.

The company has just completed and has now in operation a 100-ton flotation mill 30 x 92 with two additional ore bins and mill office. Twenty seven (27) claims of the Sunday group situated on Doyle Mountain on Todd's Creek in Township 4 N., Section 33, Boise Meridian. The mill is situated in the same area.

(b) All exploration work will be on the patented Sunday claim, a map of which is in the Blaine County Courthouse, Hailey, Idaho, and which will be submitted upon request.

6. Ore will be treated at our selective flotation mill located 4 miles from the Sunday mine.

7. There is approximately 2,000,000 tons of good milling ore in dumps on the Sunday mine property that will be milled by our mill which is substantiated by letters attached to 4-18.

8. Lead, zinc, and silver will be produced from the Sunday mine. We are at the present time milling dump material from the Sunday, of which there is an estimated 200,000 tons.

9. The exploration program is outlined as follows:

   1. Open 1,000 feet of tunnel.
   2. Improve 2 miles of road leading from the mouth of Rocky Creek to the portal of the Sunday tunnel.
   3. Drive 2,000 feet of crosscut to a point where a 150-foot raise will be driven to come under the 100-foot winze extending from the lower tunnel level.
   4. Drive crosscut and drift and raise on the new level to explore for the ore shoots projected from the tunnel level.

It is estimated that 18 months will be required to complete the contract.

25. Cost of proposed program is outlined as follows:

Proposed work	Cost	
1. To rehabilitate Shaw tunnel		
2000 feet of rail	2,[illegible]0	
[illegible] feet 27" pipe	2,5[illegible]0	
3 [illegible] @ $13.[illegible] per day for 12[illegible] days	1,[illegible]	[illegible]
2. Improve 2½ miles of road [illegible] Ave. bulldozing @ $[illegible] per hour	2,4[illegible]	
Also [illegible] lumber, powder, etc.	[illegible]	[illegible]
3. Drive [illegible] feet of prospect [illegible] @ $[illegible] per foot	[illegible]	
Drive [illegible] feet of raise [illegible] @ $[illegible] per foot	[illegible]	[illegible]
4. Drive [illegible] feet of prospect [illegible] on Shaw level @ $[illegible] per foot	[illegible]	[illegible]

The following equipment is to be purchased by the operator:

[illegible]-cubic-foot diesel driven air compressor	13,735	
[illegible]	2,8[illegible]0	
[illegible]	1,000	
[illegible] drifter	1,[illegible]	
[illegible]	1,200	[illegible]
		54,735

Equipment to be furnished by operator:

	Present Value
1 [illegible]	[illegible]
1 [illegible] drifter	625
1 [illegible]	285
1 [illegible] air compressor	1,5[illegible]0
4 [illegible]	1,3[illegible]
1 [illegible] drifter	2[illegible]0
1 [illegible]	[illegible]0
3 [illegible]	2[illegible]0
1 [illegible] truck	[illegible]
1 [illegible]	[illegible],000

Time Schedule
1st to 5th Month

Rehabilitate Raw tunnel, improve road, and purchase equipment	32,235
6th to 8th month	
Drive 250 feet of crosscut and 150 feet of raise	10,[illegible]
8th to 15th Month	
Drive [illegible] feet of drift and crosscut on Raw tunnel level	12,500
Total Cost	$ 54,735

BUNKER HILL AND SULLIVAN MINING AND CONCENTRATING CO
KELLOGG, IDAHO.

TO: F. McKinley Plant DATE: July 11, 1950

GENTLEMEN: Below please find our results on the following controls.

OUR LOT	SMELTER LOT	LEAD o/o	SILVER OZ	ZINC o/o	COPPER	IRON o/o	MANG	INSOL	GOLD OZ	SOL Pb
Sun Vall		8.05	11.3	7.6	0	9.4	0	54.72	0.06	0.28
Pb Conc.		41.7	57.7	14.4		7.9		4.41		
Pb Midds		21.85	33.7	9.0		18.7		13.30		
Zn R.Conc.		2.32	5.2	27.9		19.8		9.61		
F.Tails		1.95	2.1	0.6		5.9		81.78	0.02	0.99

THIS IS
A TRUE COPY

BUNKER HILL & SULLIVAN M. & C. COMPANY

Per I. H. Laskey (SIGNED)

Kellogg, Idaho
July 25, 1950

Mr. R.L.Roundy,Manager
Sun Valley Lead-Silver Minew,Inc.,
Ketchum,Idaho

Dear Mr. Roundy:

This is to advise that confirming assays have been recieved showing the sample of ore which you delivered to me to contain 8.0% Lead, 7.8% Zinc and 11.2 Oz Silver per ton.

Additional flotation tests have been made since I last talked to you. These tests show that a good grade of Lead-Silver concentrate and a good grade of Zinc concentrate can be produced from this ore with little difficulty. Due to the oxidation of this ore a recovery of 80 to 85% of the lead and silver will be maximum until special provision is made to recover the oxidized mineral. Zinc recovery is excellent.

Testing is being continued to determine all the possibilities.

I have in mind the additional equipment that you require and I think you will have little difficulty in securing it.

You will recieve a complete metallurgical report shortly.

Very Truly Yours

SIGNED Frank McKinley
Frank McKinley
Asst Mill Supt.
Bunker Hill & Sullivan
Mining Co.,

THIS IS A
TRUE COPY

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 1594X

Date received 6-5-51

Participation

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 5-1951
LANDON F. STROBEL
Executive Secretary

Sun Valley Lead-Silver Mines, Inc.,
Box 57
Ketchum, Idaho. Blaine County

Name and address of applicant

Date May 21, 1951

FILL IN THIS BLOCK

Date of application May 21, 1951

Estimated cost $161794.00

Mineral or metal Lead & Zinc

Percentage of Government participation 50%

Location of mine Warm Springs Mining Dist, Blaine County, Ketchum, Idaho

Boyle mountain on Rock's Creek

Date of filing MF-100 May 31, 1951

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? Answered on MF-100

*2. If a partnership, state names and addresses of partners. Answered on MF-100

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. Answered MF-100

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. Answered on MF-100

*5. Are you the owner or the lessee of the property? Answered on MF-100

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.

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All other questions answered on Supplement Sheet of MF-103

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. Answered on MF-100

*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. Answered on MF-100

*13. State source and quantity of water available for operations and its sufficiency at all seasons. Answered on MF-100
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. Answered on MF-100

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

*16. History: Answered on MF-100
    (*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: Answered on MF-100
    (*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.) Answered on MF-100
    (*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.

Sun Valley Lead-Silver Mines, Inc.,
(Name of company)

By John R. Thornton
(Signature of applicant)

May 21, 1951
(Date)

Secretary & Treasurer
John R. Thornton
(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

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho.

SUPPLEMENT SHEET OF
APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO ORDER #5 DMA

6. Have an agreement to give 12½% of ore shipped to smelter.
7. Lease and Option to purchase, giving 12½% of ore shipped to smelter, with ten(10) years to pay $ 50,000.00 when property becomes the property of the company. (Attached find agreement)
8. Current Financial Statement showing assets and liabilities and also profit and loss statement.

2. Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho.

SUPPLEMENT SHEET OF
APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO ORDER #5 DMA

9. The company is prepared to invest $75,000.00 in the project as detailed in question No.23 of this application and(Section 9 of Mineral Order 5)

10. (a) The mine known as the Sunday Mine(Formerly known as Boston-Idaho Co) consists of seven(7) patented claims and twenty(20) unpatented claims situated on Boyle mountain 12 miles up Warm Springs creek from Ketchum, Idaho. This property was worked extensively during the 80's and 90's with succes and operations ceased when the metal prices fell to low for operation.
The company has just completed and has now in operation a 100 ton flotation mill 35X92 with two additional ore bins and mill office.
(b) Twenty seven(27) claims of the Sunday group situated on Boyle mountain on Rock's Creek in Township 4N, Section 23, Range 16 EBM. The mill is situated in the same area.

15. As we have our own mill the ore will be milled at our own mill and trucked 6 miles to Union Pacific R.R. at Ketchum, Idaho or trucked through to the smelter at Salt Lake City, Utah.

19. There is approximately 200,000 tons of good milling ore in dumps on the Sunday mine property that will be milled by our mill which is substaniated by letters attached to MF-100.

20. The exporation will be conducted for Lead and Zinc from ore dumps and ore from the ore bodies in the Sunday property which as referred to in Mr. Hobson's letter should run from $9.00 to $80.00 per ton at the price of ore in 1949.

21. The work consists of the hauling of the ore dumps to the mill for milling and the opening up of the various tunnels, timbering, laying track and other such work as to make the tunnels accessable for full scale mining. The time required would run from 6 months to one year.

22. By referring to the letters of Mr Hobson, Mr. McKinley and Mr. Gibbs which are attached to MF-100 it can readily be noted that the geological basis is very good and the sampling tests referred to show that commercial values are there, as the dumps taken from this property which is what was left after the old timers took out only the high grade ore are very good milling ore. We are now having made geological maps and assay maps.

23.

(a)	5 Timbermen @ $12.60 per day-6 months	$9828.00
	5 Miners @ 12.50 " " -6 "	9750.00
	5 Muckers @ 11.75 " " -6 "	9135.00
	3 Carpenters to build addition for Ball Mill	2000.00
	3 Mechanics to install additional " "	3000.00
	2 Bulldozer Operators @ $12.00 per day-6 mo's	3744.00
	1 Shovel Operator @ 15.40 per day-6 months	2402.00
(b)	1 Mine Supt @ $500.00 per month-6 months	3000.00
	1 Mine Foreman @ $450.00 per mo-6 "	2700.00
(c)	Timber for tunnels, stations etc.	4000.00
(d)	Lumber to build addition to mill for Ball Mill	3000.00
(e)	1 Ball Mill	20000.00
	1 Compressor	13735.00
	1 Mucking Machine	2800.00
	3 Drill Machines, drill bits, steels etc	8000.00
	Pipe- 2000 ft	2500.00
	Mine rail- 4000 ft	2000.00
(f)	Cost of hauling 30,000 tons ore dumps to mill by four trucks @ $1.50 per ton	45000.00
(g)	1 Shovel 1½yds for 6 months	3500.00
	2 Bulldozers for 6 months	6000.00
(h)	Powder, stoping steels, jacks etc	500.00
(i)	Electricity for 6 months	3200.00
	Gas, oil etc	2000.00

$161799.00

T-$161799.00

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho.

SUPPLEMENT SHEET OF
APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO ORDER #5 DMA

24. The cost and installation of the Ball Mill and the construction of an addition to the mill proper to house the Ball Mill will require about three(3) months and the cost and installation will be as follows:

Cost of Ball Mill	$20000.00	
Labor	5000.00	
Lumber and material	3000.00	
	$28000.00	$28000.00

The hauling of 30000 tons of ore dumps @ $1.50 per ton, using 4 trucks and 1 shovel will require about six(6) months. Cost as follows:

Cost of hauling ore	$45000.00	
Rental of Bulldozer	3000.00	
Rental of shovel	3500.00	
Labor-Shovel and Dozer operators	4274.00	
	$55774.00	$55774.00

Opening, repairing, timbering etc of tunnels, stations, winzes etc will require six(6) months as follows:

5 Timbermen	$ 9828.00	
5 Miners	9750.00	
5 Muckers	9135.00	
1 Dozer Operator	1872.00	
1 Mine Supt	3000.00	
1 Mine Foreman	2700.00	
Timber and materials	4000.00	
1 Compressor	13735.00	
1 Mucking Machine	2800.00	
3 Drill Machines, drill bits, steels etc	8000.00	
Pipe and mine rail	4500.00	
Rental of Bulldozer for 6 months	3000.00	
	$72320.00	$72320.00

Gas, oil, powder, stoping steels, jacks, hose etc. to be used over six(6) month period on above jobs	$ 2500.00	
	$ 2500.00	$ 2500.00

Electricity to operate the flotation mill for a period of six(6) months	$ 3200.00	
	$ 3200.00	$ 3200.00
Total Cost		$161794.00

MOONLIGHT MINING COMPANY
Missoula, Montana.
Oct. 24th, 849.

Mr. Frank W. Parke,
P.O. Box 476,
Hailey, Idaho.

Dear Mr. Parke:-

In accordance with our recent telephone conversation in regard to the Sunday mining property which is located on Rook's Cree, about 1½ miles from its confluence with Warm Springs creek about three or four miles above Warm Springs resort.

First I will say that I have been on the property several times, and have spent some time upon different occasions, in a careful observation of the surface physical and geological aspects, and having at that time access to a number of maps and other engineering datum prepared by Boston-Idaho Co., which from appearances on the ground, spent a lot of money for preparation for an extensive development. One of these maps showed the survey of the lower adit tunnel with the portal just above the millsite on Rook's Creek, and extending a little more than 1260 feet, in a northeasterly direction toward the apex of the mountain at an elevation of more than a thousand feet above the tunnel level.

At the face of this tunnel no ore is shown, however it does show ore at two places about mid way. From the course of the tunnel as shown on the map, and the location of the ore as shown on the ground from ten or fifteen other tunnels and open cuts, shafts and trenches, the main tunnel was pointed in the wrong direction, however it still may be of use by cross cuts located by actual survey in the right places which should intercept the ore bodies as shown in the upper workings, at depths from five to eight hundred feet. It was the dumps at these various upper workings to which I refered in our conversation, which Dr Teed told me before I had ever seen the place, that he and Mr. Bert Shirt, of Hailey, spent several days sampling and measuring and estimated that there could be ½ million tons of ore that would mill nine dollars per ton. To yield this amount of ore of any kind would rewuire approximately thirty eight miles of tunnel or stopes five by seven feet in area, and from all the maps I have seen, and from the works shown at the surface, I would say their estimate would be much too high, altho some of the dumps will run much higher than nine dollars. Then in the upper works where I made a brunton survey for a raise there is quite a volume of ore that will run from thirty to eighty dollars per ton. when I was there the last time Joe Freed was in charge of the raise work, and if you can get in touch with him, he can give you some dependable information on that part of the property. Also Oscar Anderson worked there for some time, and what either of these men tell you will be as good information as you can get.

MOONLIGHT MINING COMPANY
Missoula, Montana

As you probably already realize, this property is in a rather tough spot for year round operations, as the good ones usually are, but by working the place from the Rook's creek campmillsite and camp, through the winter months, and the upper works during the summer, untill development could be extended from the main tunnel, I believe the job could be made to pay its own way.

If properly shaped up for presentation to investors, it is certainly one that would raise money sufficient to caryy on in a safe economical manner, and I believe would pay handsome dividends to the investors.

I am enclosing for your information, my letter to Mr. W.R. New, under date of Aug 29th,

Sincerely Yours,

Missoula, Montana.
c/a Palace Hotel.

SIGNED Frank E. Hobson

1 encl.
letter tp W.R.N.

THIS IS A
TRUE COPY

Missoula, Montana
August 29th, 1949

Mr. W.R.New,
Sec. Central Idaho Mining Ass'n.,
Hailey, Idaho.

My dear New:-

Replying hastily to your inquiry, Saturday by wire, in regard to information on the Sunday Mining property, I have to say:

While I have visited the property on several occasions, have seen several truck loads of spendid ore, at the mine and in transit to the smelter, have observed quite carefully the surface conditions, in connection with some study of the mine working maps as prepared by Boston-Idaho Co., which several years ago, carried on some extensive development work over a large portion of the property, and have personally done some preliminary survey work in the upper workings, from which the ore above mentioned was shipped.

More than this, I have no authentic information I can offer, other than my private opinion, from observation rahter than actual examination.

I have observed that the nineteen dumps from tunnel operations, definitely show a continuance of mineralization and where the veins have been intercepted, as indicated upon the maps, the typical ore bodies of the vicinity, have been uncovered, and these conditions extend over an area of more than twelve-hundred (1200) feet in length (horizontally) and showing a depth of something like nine-hundred feet. Within this zone there is a width of about 700 feet enclosing the development work which has been carried out upon the several parallel and cross veins.

It has been estimated and reported to me that in these ninetee dumps, there is a volume equal to near a half million tons, and that better than two-hundred thousand tons of better than $8 ore is accessable for milling at a profit. Two of these dumps containing perhaps more than a thousand tons, will run considerably more than $8.00. The upper two tunnels in which the more recent work has been performed are in a good grade of shipping ore at the present price of metals.

The tunnels, winzes and raises, which I have seen are in good condition for observation.

There are excellent camp accommodations at the upper workings, and fair living quarters for a few men at the lower camp and mil-site, located on Rook's Creek, to which there is a splendid high way up Warm Springs creek, to within about a mile and a half of the mill-site which is passable but rough.

Personally, I have for some time considered this property a very promising one which could stand an extensive examination with the idea of a large scale operation.

Sincerely Yours,
SIGNED Frank
Frank E. Hobson

THIS IS A
TRUE COPY

Report for the Sun Valley Lead-Silver Mines,Inc., on the Sunday Group situated at Boyle Mountain-Warm Springs M.D. Blaine County, Idaho.

At the request of the company officials I made a trip over the ground in question, in the company of John R. Thornton, Supt.,and beg to report as follows.

It was my first trip to this section of the country and I was much pleased with the evidence of strong mineralization and the large amount of work done many years ago,all of it or at least the larger part by hand.

HOLDINGS & LOCATION:

The company has a ten(10) year lease on seven(7) patented and twenty(20) unpatented claims,with no down payments; a $50,000.00 purchase price and royalty of 12½%; a very good deal. The claims are all located on the east slopes of Boyle Mountain and on the west side of Rock's Creek about a mile and a half from the main highway up Warm Springs creek. Most of the workings are reached by a truck road which, zig zags up the steep slopes of the mountain. The hillside is pretty well covered with soil, making it favorable for road construction. No rock work was at any point.

There are good camp sites at various points on the mountain and a slendid one on Rook's Creek in the gulch at the bottom where the road leads to the main highway.

Geology:

None of the old workings were entered but the productive veins where worked were apparently in the granite. South of the Sunday workings, croppings of limestone were observed; they were also observed further down the mountain to the east indicating a granite lime contact running in a general easterly direction. Whether this was prospected where the veins intersected is not known.

There seems to be a general east-west vein system with probably some south-north intersecting veins. Most of the work appears to have been done on the east-west system.

The ore on the surface carries high lead-silver values as the old timers concentrated on this, taking out all of the vein and sorting out the high grade, as a result the dumps are all mill ore, which at the present time is being hauled six(6) miles to the company flotation mill in Bassett Gulch just off the main highway.

Due to the fact that the old workings are inaccessable at this time it is impossible to say whether the country is faulted or not. As mentioned before, there is considerable overburden in most places so that the geological conditions are not to apparent.

Dumps:

Due to the fact that there was considerable low grade ore in the veins,large dumps of ore were accumulated at the various workings, considerable quartz was observed on some of these dumps with sulphides of lead, zinc and iron.

Quite a large number of samples were taken from the dumps last summer and mill tests made, with very gratifing results, so much,so that a modern flotation mill was decided on and built at a point near the mouth of Bassett Gulch. This is now in operation on ore hauled down from the dumps on the Sunday and Ontario claims. An estimated tonnage of 200,000 tons of good mill ore is available and should provide for three years of mill operation.

CONTINUED:

At present a little under 100 tons a day are being treated, producing a concentrate of 53% lead and 113 Oz of silver. The mill can be increased to treat 200 tons daily with the addition of another ball mill. No zinc concentrate is being made at present, due to repairs on the zinc filter.

There is some loss in tailings from the sliming of the ore, but this is being corrected by the addition of some different reagents. Milling costs are $1.50 per ton and haulage costs from the dumps are also $1.50 per ton. The operation promises to be a very favorable one for some years to come.

Summary:

Aside from the splendid dump ore situation, there is a very good chance of opening up fine ore shoots with deep development, with the opening up of some of the old workings.

According to available information a tunnel was driven into the south east from the foot of the hill, some 1200 feet to tap the upper workings on the Sunday and Ontario at depth. The face shows no ore, but ore was encountered about half way in. This tunnel is estimated to be some eight hundred feet below the old workings. If funds can be made available it should be opened up, examined and surveyed as should some of the other old tunnels higher up on the mountain. From all the information available, the chances for making a good paying proposition are very favorable and should not be passed up.

Respectfully Submitted

Harry Gibbs.

Harry Gibbs E. M.
Graduate of Michigan College of Mines
at Houghton, Michigan. Class of 1907

Hailey, Idaho. May 16, 1951

August 8, 1950

Billing

Mr. R. L. Roundy, Manager
Sun Valley Lead-Silver Mines, Inc.,
P.O. Box 57
Hailey, Idaho

Dear Mr. Roundy:

The following shows the laboratory results obtained treating the ore sample which you delivered to me. Treating ore as represented by this sample in a properly equiped and properly operated concentrator will give comparable metallurgical results.

Procedure: Ball mill grind 60 o/o minus 200 mesh

Reagents: To Ball Mill: Soda Ash to aklalinity Ph. 7.2
Cyanide 0.3#/per ton of ore
Zinc Sulphate 0.6# per ton of ore

To Lead Flotation: Aerofloat 25 0.015# per ton of ore
Cresylic Acid

To Zinc Flotation: Copper Sulphate 0.75# per ton of ore
Lime to alkalinity Ph. 9.0
Sodium Aerofloat 0.015# per ton of ore
Methyl Amyl Alchohol

Metallurgical Tabulations:

	% Wt.	Assays % Pb.	Oz.Ag.	% Zn	% Distribution Pb.	Ag.	Zn.
Feed	100.00	8.37	11.12	7.88	100.00	100.00	100.00
Pb. Conc.	12.53	52.20	73.10	7.77	78.16	82.38	12.36
Zn Conc.	12.44	3.76	8.15	52.00	5.59	9.12	82.11
Rougher Tails	75.03	1.81	1.26	0.60	16.25	8,50	5.53

Analysis of Metallurgical Tabulations:

Feed Assay 8.37% Lead 11.12 Oz Silver 7.88 Zinc
Lead Concentrate Assay 52.20% Lead 73.10 Oz Silver 7.77% Zinc
Zinc concentrate Assay 3.76% Lead 8.15 Oz Silver 52.00% Zinc
Recovery of Lead in Lead Concentrate 78.16%
Recovery of Silver in Lead Concentrate 82.38%
Recovery of Zinc in Lead Concentrate 12.36%

Mr. R. L. Roundy, Mgr., Sun Valley Lead Silver Mines, Inc., (Continued)

Recovery of Lead in Zinc Concentrate	5.59%
Recovery of Silver in Zinc Concentrate	9.12%
Recovery of Zinc in Zinc Concentrate	82.11%

Total Recovery of Lead	83.75%
Total Recovery of Silver	91.50%
Total Recovery of Zinc	94.47%

For each 100 tons of ore treated there would be produced: 12.53 tons of Lead Concentrate with a value of approximately $ 143.00 per ton after deduction of smelter costs. 12.44 tons of Zinc Concentrate with a value of approximately $ 90.00 per ton after deduction of smelter costs. These values are based on metal prices as of this date.

Remarks: Ore of this character is not difficult to treat by flotation. The lead content of the tailing is high due to 0.9% soluble lead contained. The recovery of the oxidized lead can be increased if it becomes desirable.

Respectfully Submitted,

SIGNED FRANK McKINLEY
Frank McKinley
Asst Metallurgist
Bunker Hill & Sullivan M & C Co,

FMcK:few

SUN VALLEY LEAD SILVER MINES, INC.
(an Idaho Corporation)
P. O. Box 57 Ketchum, Idaho

BALANCE SHEET AS AT DECEMBER 31, 1950:

ASSETS

Cash in bank	$ 21 863 41
Mining equipment and trucks, at cost	12 512 57
Mill (incomplete) construction and mill supplies, at cost	36 756 17
Office equipment, at cost	786 27
Mining properties:	
New Hope Trust, Warm Springs Creek Mining District, Blaine County, Idaho. 12 unpatented claims, of which 3 are held on lease totalling $50,000.00 due before December 14, 1955. Cash payments thereon total $2,050.00	
Sunday Mines, Warm Springs Creek Mining District, Blaine County, Idaho. 6 patented claims, and an undivided one-half interest in 1 patented claim, and 22 unpatented claims. Lease totals $50,000.00 due before March 14, 1960. Cash paid thereon totals $1,500.00, together with 10,000 shares of capital stock 10¢ par, $1,000.00	
War Dance, Mineral Hill Mining District, Blaine County, Idaho. 5 unpatented claims. Lease totals $15,000.00 and is due before July 20, 1955. Cash payments total $300.00	
Silver Star Group, Little Smoky Mining District, Camas County, Idaho. 11 patented claims. Lease totals $40,000.00 and is due before October 1, 1955	
Total paid on property account	4 850.00
Development expenditure on mining property	96 028 14
Deferred charges:	
Advance deposit to Idaho Power Company for line to mill	8 978 00
	$181 774 56

LIABILITIES

	Shares		
Payroll taxes			$ 1 309 83
Contract payable			2 275 00
Share Capital: Authorized $300,000.00 divided into 3,000,000 shares of 10¢ par value each			
Subscribed and issued, fully paid:			
For cash	2,043,895	$204 389 50	
For purchase of property and lease	10,000	1 000 00	
For development services and expenses	722,000	72 200 00	
Totals	2,775,895	$277 589 50	
Less discount on shares issued		99 399 77	178 189 73
			$181 774 56

MF-200
(April 1951)

Docket No. DMA 1594 X
Commodity Pb & Zn

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this _____ day of June, 1951, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] Sun Valley Lead-Silver Mines, Inc., Box 57, Ketchum, Idaho

hereinafter called the "Operator," as follows:

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

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of Idaho, County of Blaine described as follows: [3] Section 23 T. 4 N., R. 16 E. Bm. Known as the Sunday Mine Group of 20 unpatented and 7 patented claims. The proposed exploration program to be carried out principally on the Sunday patented claim.

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

(*a*) That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: None

He is a lessee, subordination agreement is attached

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

3. *Exploration project.* The Operator, within 30 days from the date of this contract shall commence work on a project of exploration for [5] Lead and Zinc; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] 13 months from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

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

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

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

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

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

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

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

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

11. *Participation by the Government.* At the end of the first full calendar month after the Operator has commenced work under the project, and at the end of each succeeding calendar month, the Operator shall submit to the Government a voucher for payment with a detailed statement of work done and allowable costs (as defined in Article 10 of this agreement) incurred, in a form and with supporting data acceptable to the Government. After approving the voucher, the Government shall pay to the Operator 50 percent of the sum of such costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $27,367.50, which is 50 percent of the agreed estimated total cost of this project, $54,735.00.

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

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

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

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

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

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

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

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

Executed in triplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By _____

Sun Valley Lead-Silver Mines, Inc.
(Operator)

By John R. Thornton

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

Sun Valley Lead-Silver Mines, Inc. Ketchum, Idaho

Exploration Project Contract

EXHIBIT "A"

Exploration project

1. Rehabilitate 1000 feet of Shaw Adit.

2. Improve 2½ miles of road from mouth of Rooks Creek to portal of Shaw Adit.

3. Crosscut 250 feet to a point under old 65 foot Ross tunnel winze.

4. Raise 150 feet to connect with old 65 feet Ross tunnel winze.

5. A total of not more than 500 feet of crosscutting and drifting on Shaw level to explore for projection of ore shoot exposed in overlying Ross tunnel.

No maps are available at present on which to show this proposed exploration work.

The work to be performed and the estimated maximum cost thereof is as follows:

1.	Rehabilitate 1000 feet adit	$ 9,000.00
2.	Improve 2½ miles of road	3,500.00
3.	Crosscutting and drifting 750 feet At $25 per ft.	18,750.00
4.	Raising 150 feet @ $25 per foot	3,750.00
5.	Equipment to be purchased for project	18,535.00
6.	Buildings to be erected.	1,200.00
		$54,735.00

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho

Exploration Project Contract

EXHIBIT "B"

Facilities, buildings and fixtures

1.	Combination tool shed and compressor house	$1,200.00

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho

Exploration Project Contract

EXHIBIT "C"

Operating equipment

To be rented ----------None

To be Purchased

1 - Air compressor 600 cfm, Diesel driven	$13,735.00
1 - Loader (mucking machine)	3,000.00
1 - Stoper heavy duty auto rotation	800.00
1 - Drifter, autofeed with column and bar	1,000.00
Total cost of equipment to be purchased	$18,535.00

To be furnished by Operator

	Estimated Value	Monthly Rental Allowance
1 Stoper	$ 525.00	$ 20.00
1 Automatic liner	625.00	19.00
1 Jackhammer	285.00	11.00
1 Universal Air trammer	1,500.00	60.00
4 Mine cars @ $325.00 each	1,300.00	27.00
1 Ventilation blower	250.00	8.00
1000 feet of ventilation pipe @ $.50/ft.	500.00	21.00
1 Gas Motor for ventilating unit	200.00	7.00
1 4 x 4 pickup truck	500.00	28.00
1 ton and one-half dump truck	2,500.00	88.00
Monthly rental allowance		$ 289.00/month

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho

Exploration Project Contract

EXHIBIT "D"

Labor and Supervision

Classification	Rate per 8-hour shift
Miners	$12.60
Muckers	12.60
Trammers	12.60
	Salary per month
Superintendent $450 per month ½ time chargeable to program	$225.00
Shift Boss	400.00

The above rates are subject to lawful overtime increases and revision of pay scales under union contracts.

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho

Exploration Project Contract

EXHIBIT "E"

Rehabilitation and repairs

Rehabilitate 2½ miles of road Bulldozing 240 hours @ $8 per hour	$2,400.00
Two men for 30 days	750.00
Cost of powder, compressor etc.	350.00
Total Cost	$3,500.00

The above bulldozing costs of $8 per hour is to include all operating costs including the salary of the operator.

Rehabilitation of 1000' Shaw adit Labor cost $4.50 per foot	$4,500.00
Misc. tools and supplies	500.00
2000' of 20" rail @ $165 per ton	1,100.00
Spikes, plates and bolts	250.00
1000' of 2" pipe at $45 per 100'	450.00
20,000 ft. of timber @ $60 per thousand	1,200.00
Contingency	1,000.00
	$ 9,000.00

Sun Valley Lead-Silver Mines, Inc. Ketchum, Idaho

Exploration Project Contract

EXHIBIT "A"

Exploration project

1. Rehabilitate 1000 feet of Shaw Adit.

2. Improve 2½ miles of road from mouth of Rooks Creek to portal of Shaw Adit.

3. Crosscut 250 feet to a point under old 65 foot Ross tunnel winze.

4. Raise 150 feet to connect with old 65 foot Ross tunnel winze.

5. A total of not more than 500 feet of crosscutting and drifting on Shaw level to explore for projection of ore shoot exposed in overlying Ross tunnel.

No maps are available at present on which to show this proposed exploration work.

The work to be performed and the estimated maximum cost thereof is as follows:

1.	Rehabilitate 1000 feet adit	9,000.00
2.	Improve 2½ miles of road	3,500.00
3.	Crosscutting and drifting 750 feet At $25 per ft.	18,750.00
4.	Raising 150 feet @ $25 per foot	3,750.00
5.	Equipment to be purchased for project	18,335.00
6.	Buildings to be erected.	1,200.00
		$54,735.00

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho

Exploration Project Contract

EXHIBIT "B"

Facilities, buildings and fixtures

1. Combination tool shed and compressor house $1,200.00

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho

Exploration Project Contract

EXHIBIT "C"

Operating equipment

To be rented ----------None

To be Purchased

1 - Air compressor 600 cfm, Diesel driven	$13,735.00
1 - Loader (mucking machine)	3,000.00
1 - Stoper heavy duty auto rotation	800.00
1 - Drifter, autofeed with column and bar	1,000.00
Total cost of equipment to be purchased	$18,535.00

To be furnished by Operator

	Estimated Value	Monthly Rental Allowance
1 Stoper	$ 525.00	$ 20.00
1 Automatic liner	625.00	19.00
1 Jackhammer	285.00	11.00
1 Universal Air trammer	1,500.00	60.00
4 Mine cars @ $325.00 each	1,300.00	27.00
1 Ventilation blower	250.00	8.00
1000 feet of ventilation pipe @ $.50/ft.	500.00	21.00
1 Gas Motor for ventilating unit	200.00	7.00
1 4 x 4 pickup truck	500.00	28.00
1 ton and one-half dump truck	2,500.00	88.00
Monthly rental allowance		$ 289.00/month

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho

Exploration Project Contract

EXHIBIT "D"

Labor and Supervision

Classification	Rate per 8-hour shift
Miners	$12.60
Muckers	12.60
Trammers	12.60
	Salary per month
Superintendent $450 per month ½ time chargeable to program	$225.00
Shift Boss	400.00

The above rates are subject to lawful overtime increases and revision of pay scales under union contracts.

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho

Exploration Project Contract

EXHIBIT "E"

Rehabilitation and repairs

Rehabilitate 2½ miles of road Bulldozing 240 hours @ $8 per hour	$2,400.00
Two men for 30 days	750.00
Cost of powder, compressor etc.	350.00
Total Cost	$3,500.00

The above bulldozing costs of $8 per hour is to include all operating costs including the salary of the operator.

Rehabilitation of 1000' Shaw adit Labor cost $4.50 per foot	$4,500.00
Misc. tools and supplies	500.00
2000' of 20" rail @ $165 per ton	1,100.00
Spikes, plates and bolts	250.00
1000' of 2" pipe at $45 per 100'	450.00
20,000 ft. of timber @ $60 per thousand	1,200.00
Contingency	1,000.00
	$ 9,000.00

Sun Valley Lead-Silver Mines, Inc. Ketchum, Idaho

Exploration Project Contract

EXHIBIT "A"

Exploration project

1. Rehabilitate 1000 feet of Shaw Adit.

2. Improve 2½ miles of road from mouth of Rocks Creek to portal of Shaw Adit.

3. Crosscut 250 feet to a point under old 65 foot Ross tunnel winze.

4. Raise 150 feet to connect with old 65 foot Ross tunnel winze.

5. A total of not more than 500 feet of crosscutting and drifting on Shaw level to explore for projection of ore shoot exposed in overlying Ross tunnel.

No maps are available at present on which to show this proposed exploration work.

The work to be performed and the estimated maximum cost thereof is as follows:

1.	Rehabilitate 1000 feet adit	9,000.00
2.	Improve 2½ miles of road	3,500.00
3.	Crosscutting and drifting 750 feet At $25 per ft.	18,750.00
4.	Raising 150 feet @ $25 per foot	3,750.00
5.	Equipment to be purchased for project	18,535.00
6.	Buildings to be erected.	1,200.00
		$54,735.00

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho

Exploration Project Contract

EXHIBIT "B"

Facilities, buildings and fixtures

1. Combination tool shed and compressor house $1,200.00

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho

Exploration Project Contract

EXHIBIT "C"

Operating equipment

To be rented ----------None

To be Purchased

1 - Air compressor 600 cfm, Diesel driven	$18,735.00
1 - Loader (mucking machine)	3,000.00
1 - Stoper heavy duty auto rotation	800.00
1 - Drifter, autofeed with column and bar	1,000.00
Total cost of equipment to be purchased	18,535.00

To be furnished by Operator

	Estimated Value	Monthly Rental Allowance
1 Stoper	$ 525.00	$ 20.00
1 Automatic liner	625.00	19.00
1 Jackhammer	285.00	11.00
1 Universal Air trammer	1,500.00	60.00
4 Mine cars @ $325.00 each	1,300.00	27.00
1 Ventilation blower	250.00	8.00
1000 feet of ventilation pipe @ $.50/ft.	500.00	21.00
1 Gas Motor for ventilating unit	200.00	7.00
1 4 x 4 pickup truck	500.00	28.00
1 ton and one-half dump truck	2,500.00	88.00
Monthly rental allowance		$ 289.00/month

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho

Exploration Project Contract

EXHIBIT "D"

Labor and Supervision

Classification	Rate per 8-hour shift
Miners	$12.60
Muckers	12.60
Tramners	12.60
	Salary per month
Superintendent $450 per month ½ time chargeable to program	$225.00
Shift Boss	400.00

The above rates are subject to lawful overtime increases and revision of pay scales under union contracts.

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho

Exploration Project Contract

EXHIBIT "E"

Rehabilitation and repairs

Rehabilitate 2½ miles of road Bulldozing 240 hours @ $8 per hour	$2,400.00
Two men for 30 days	750.00
Cost of powder, compressor etc.	350.00
Total Cost	3,500.00

The above bulldozing costs of $8 per hour is to include all operating costs including the salary of the operator.

Rehabilitation of 1000' Shaw adit Labor cost $4.50 per foot	4,500.00
Misc. tools and supplies	500.00
2000' of 20" rail @ $105 per ton	1,100.00
Spikes, plates and bolts	250.00
1000' of 2" pipe at $45 per 100'	450.00
20,000 ft. of timber @ $60 per thousand	1,200.00
Contingency	1,000.00
	$ 9,000.00

Sun Valley Lead-Silver Mines, Inc. Ketchum, Idaho

Exploration Project Contract

EXHIBIT "A"

Exploration project

1. Rehabilitate 1000 feet of Shaw Adit.

2. Improve 2½ miles of road from mouth of Rocky Creek to portal of Shaw Adit.

3. Crosscut 250 feet to a point under old 65 foot Ross tunnel winze.

4. Raise 150 feet to connect with old 65 foot Ross tunnel winze.

5. A total of not more than 500 feet of crosscutting and drifting on Shaw level to explore for projection of ore shoot exposed in overlying Ross tunnel.

No maps are available at present on which to show this proposed exploration work.

The work to be performed and the estimated maximum cost thereof is as follows:

1.	Rehabilitate 1000 feet adit	2,000.00
2.	Improve 2½ miles of road	3,500.00
3.	Crosscutting and drifting 750 feet At 25 per ft.	18,750.00
4.	Raising 150 feet @ 25 per foot	3,750.00
5.	Equipment to be purchased for project	15,535.00
6.	Buildings to be erected.	1,200.00
		54,735.00

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho

Exploration Project Contract

EXHIBIT "C"

Facilities, Buildings and Fixtures

1. Combination tool shed and compressor house $1,200.00

Sun Valley Lead-Silver Mines, Inc., Potohum, Idaho

Exploration Project Contract

EXHIBIT "C"

Operating equipment

To be rented ----------None

To be Purchased

1 - Air compressor 600 cfm, Diesel driven	$13,735.00
1 - Loader (mucking machine)	3,000.00
1 - Stopor heavy duty auto rotation	800.00
1 - Drifter, autofeed with column and bar	1,000.00
Total cost of equipment to be purchased	$18,535.00

To be furnished by Operator

	Estimated Value	Monthly Rental Allowance
1 Stopor	$ 625.00	$ 20.00
1 Automatic liner	625.00	19.00
1 Jackhammer	200.00	11.00
1 Universal Air trammer	1,500.00	60.00
4 Mine cars @ $325.00 each	1,300.00	27.00
1 Ventilation blower	250.00	8.00
1000 feet of ventilation pipe @ $0.50/ft.	500.00	21.00
1 Gas Motor for ventilating unit	200.00	7.00
1-4 x 4 pickup truck	800.00	28.00
1 ton and one-half dump truck	2,500.00	88.00
Monthly rental allowance		$ 289.00/month

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho

Exploration Project Contract

EXHIBIT "D"

Labor and Supervision

Classification	Rate per 8-hour shift
Miners	$12.00
Muckers	12.00
Trammers	12.60

	Salary per month
Superintendent, 650 per month time chargeable to program	$225.00
Shift boss	400.00

The above rates are subject to lawful overtime increases and revision of pay scales under union contracts.

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho

Exploration Project Contract

EXHIBIT "E"

Rehabilitation and repairs

Rehabilitate 2½ miles of road Bulldozing 240 hours @ $8 per hour	$2,400.00
Two men for 30 days	750.00
Cost of powder, compressor etc.	350.00
Total Cost	$3,500.00

The above bulldozing costs of $8 per hour is to include all operating costs including the salary of the operator.

Rehabilitation of 1000' Shaw adit Labor cost 4.50 per foot	$4,500.00
Misc. tools and supplies	500.00
2000' of 20# rail @ 155 per ton	1,100.00
Spikes, plates and bolts	250.00
1000' of 2" pipe at $45 per 100'	450.00
20,000 ft. of timber @ $60 per thousand	1,200.00
Contingency	1,000.00
	$9,000.00

Sun Valley Lead-Silver Mines, Inc. Hetchum, Idaho

Exploration Project Contract

EXHIBIT "A"

Exploration project

1. Rehabilitate 1000 feet of Shaw Adit.

2. Improve 2½ miles of road from south of Rocky Creek to portal of Shaw Adit.

3. Crosscut 250 feet to a point under old 65 foot Ross tunnel winze.

4. Raise 100 feet to connect with old 65 foot Ross tunnel winze.

5. A total of not more than 500 feet of crosscutting and drifting on Shaw level to explore for projection of ore shoot exposed in overlying Ross tunnel.

No maps are available at present on which to show this proposed exploration work.

The work to be performed and the estimated maximum cost thereof is as follows:

1. Rehabilitate 1000 foot adit	9,000.00
2. Improve 2½ miles of road	3,500.00
3. Crosscutting and drifting 750 feet @ $25 per ft.	18,750.00
4. Raising 100 feet @ $25 per foot	3,750.00
5. Equipment to be purchased for project	18,535.00
6. Buildings to be erected	1,200.00
	54,735.00

Sun Valley Lead-Silver Mines, Inc., Hotchum, Idaho

Exploration Project Contract

EXHIBIT "D"

Facilities, buildings and fixtures

1. Combination tool shed and compressor house $1,200.00

Sun Valley Lead-Silver Mines, Inc., Petaluma, Idaho

Exploration Project Contract

EXHIBIT "C"

Operating equipment

To be rented ---------- None

To be purchased

1 - Air compressor 600 cfm, Diesel driven	$15,735.00
1 - Loader (muckin machine)	6,000.00
1 - Gasoline heavy duty auto rotation	800.00
3 - Drifter, mounted with a bum and bar	1,000.00
Total cost of equipment to be purchased	18,635.00

To be furnished by Operator

	Estimated Value	Monthly Rental Allowance
1 Stoper	$ 525.00	$ 20.00
1 Automatic liner	625.00	19.00
1 Jackhammer	285.00	11.00
1 Universal Air trammer	3,000.00	50.00
4 Line cars @ $300.00 each	1,500.00	27.00
1 Ventilation blower	200.00	6.00
1000 feet of ventilation pipe @ $.50/ft.	500.00	21.00
1 Gas motor for ventilating unit	200.00	7.00
1 4 x 4 pickup truck	800.00	28.00
1 ton and one-half dump truck	3,500.00	60.00
Monthly rental allowance		$ 289.00/month

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho

Exploration Project Contract

EXHIBIT "D"

Labor and Supervision

Classification	Rate per 8-hour shift
Miners	12.00
Muckers	12.00
Tramers	12.00

	Salary per month
Superintendent 450 per month 3/4 time chargeable to program	325.00
Shift Boss	400.00

The above rates are subject to lawful overtime increases and revision of pay scales under union contracts.

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho

Exploration Project Contract

EXHIBIT "B"

Rehabilitation and repairs

Rehabilitate 2½ miles of road Bulldozing 280 hours @ $9 per hour	2,500.00
Two men for 20 days	700.00
Cost of powder, compressor etc.	300.00
Total Cost	3,500.00

The above bulldozing costs of $9 per hour is to include all operating costs including the salary of the operator.

Rehabilitation of 1000' Show adit labor cost @ 4.50 per foot	4,500.00
Misc. tools and supplies	500.00
2000' of 20# rail @ 105 per ton	1,100.00
Spikes, plates and bolts	250.00
1000' of 2" pipe @ $45 per 100'	450.00
20,000 fbm. of timber @ 300 per thousand	1,200.00
Contingency	1,000.00
	$ 9,000.00

Sun Valley Lead-Silver Mines, Inc. Ketchum, Idaho

Exploration Project Contract

EXHIBIT "A"

Exploration project

1. Rehabilitate 1000 feet of Shaw Adit.

2. Improve 2½ miles of road from South of Fogle Creek to portal of Shaw Adit.

3. Procount 250 feet to a point under old 65 foot Rose tunnel stope.

4. Raise 100 feet to connect with old 65 foot Rose tunnel stope.

5. A total of not more than 500 feet of crosscutting and drifting on first level to explore for projection of ore shoot uncovered in overhead Rose tunnel.

No funds are available at present to exploit the shoot this proposed exploration work.

The work to be performed and the estimated maximum cost thereof to be as follows:

1. Rehabilitate 1000 feet adit	2,000.00
2. Improve 2½ miles of road	5,000.00
3. Crosscutting and drifting 500 feet at 25 per ft.	12,750.00
4. Raise 100 feet at 20 per foot	2,000.00
5. Equipment to be purchased for project	10,080.00
6. Buildings to be erected.	1,500.00
	34,330.00

Sun Valley Lead-Silver Mines, Inc., Ketchum, Idaho

Exploration Project Contract

EXHIBIT "A"

Facilities, Buildings and Fixtures

1. Combination tool shed and compressor house $1,200.00

Sun Valley Lead-Silver Mines, Inc., Petersburg, Idaho

Exploration Project Contract

Exhibit "A"

Operating Equipment

To be rented ---------- None

To be Purchased

1 - Air compressor (100 cfm, Diesel driven	$23,700.00
1 - Loader (mucking machine)	8,000.00
1 - Scoop tramp duty over 500 pounds	875.00
1 - Drifter, automatic with steel and bit	2,000.00
Total cost of equipment to be purchased	14,575.00

To be Furnished by Operator

	Estimated Value	Monthly Rental Allowance
1 Stoper	$ 525.00	$ 20.00
1 Automatic liner	420.00	15.00
1 Jackhammer	350.00	11.00
1 Universal air tramer	3,500.00	40.00
6 Ring seal @ $ 300.00 each	1,800.00	27.00
1 Ventilation blower	250.00	8.00
1000 feet of ventilation pipe @ $.50/ft.	500.00	21.00
1 Gas detector for ventilating unit	200.00	7.00
1 4 x 4 pickup truck	1,000.00	25.00
1 ten foot cross-cut air tramer	2,000.00	80.00
Monthly rental allowance		$ 255.00/month

Sun Valley Lead-Silver Mines, Inc., Kellogg, Idaho

Exploration Project Contract

EXHIBIT "B"

Labor and Supervision

Classification	Rate per 8-hour shift
Miners	$12.60
Loaders	12.60
Drillers	12.60

	Salary per month
Superintendent - 480 per month time chargeable to program	$220.00
Shift Boss	200.00

The above rates are subject to lawful overtime increases and revision of pay scales under union contracts.

Sun Valley Lead-Silver Mines, Inc., Potlatch, Idaho

Exploration Project Contract

Exhibit "A"

Rehabilitation and repairs

Rehabilitate 2½ miles of road Bulldozing 240 hours @ $8 per hour	$2,000.00
Two men for 30 days	700.00
Cost of powder, compressor etc.	300.00
Total Cost	$3,000.00

The above bulldozing costs of $8 per hour is to include all operating costs including the salary of the operator.

Rehabilitation of 1000' Shaft Labor cost $5.50 per foot	4,500.00
Misc. tools and supplies	500.00
2000' of 50# rail @ $1.00 per ft.	1,100.00
Ventilation blower and hose	250.00
2000' of 2" pipe @ $2 per foot	400.00
20,000 ft. of timber @ $60 per thousand	1,200.00
Contingency	1,000.00
	$8,000.00

Sun Valley Lead-Silver Mines, Inc., Lotsburg, Idaho

Exploration Project Contract

Exhibit "A"

Exploration Project

1. Rehabilitate 1000 feet of new adit.

2. Improve 2½ miles of road from south of Peola Creek to portal of new adit.

3. Extend 220 feet to a point under old 23 foot lose tunnel place.

4. Raise 100 feet to connect with old 23-foot lose tunnel place.

5. A level of not more than 500 feet of crosscutting and drifting on that level to allow for possibility of ore shoot encountered in overlying ore tunnel.

6. Core and assay samples of present ore mines to show this proposed exploration work.

The work to be performed and the anticipated expenses each thereof are as follows:

1. Rehabilitate 1000 feet adit	[illegible]
2. Improve 2½ miles of road	5,500.00
3. Crosscutting and drifting 500 feet @ [illegible] per ft.	18,750.00
4. Raising 100 feet @ $25 per foot	2,500.00
5. Equipment to be purchased for project	15,[illegible]
6. Assays to be created.	1,200.00
	50,750.00

Lost Valley Lead-Silver Mines, Inc., Kellogg, Idaho

Exploration Project Contract

1.12.9

Facilities, Buildings and Fixtures

1. Combination tool shed and compressor house (1,200.00)

Sun Valley Lead-Silver Mines, Inc., Victorn, Idaho

Exploration Project Contract

Operator and

Operation equipment

To be rented ---------- None

To be purchased

1 - Air compressor (60 cfm, Diesel driven	$15,735.00
1 - Loader (rocker, scaling)	2,000.00
1 - Motor heavy duty with rectifier	800.00
1 - Drifter, equipped with a 1 inch rod bar	2,000.00
Total cost of equipment to be purchased	$18,535.00

To be furnished by Operator

	Estimated value	Monthly rental allowance
1 Stoper	$ 625.00	$ 20.00
1 Automatic hoist	625.00	19.00
1 Compressor	800.00	31.00
1 Universal air crusher	1,000.00	50.00
4 [illegible] pipe (300 feet)	2,000.00	87.00
1 Ventilation blower	200.00	8.00
300 feet of ventilation pipe 24 in/in.	300.00	21.00
1 Fan motor for ventilating unit	200.00	7.00
1 [illegible] truck	600.00	20.00
1 [illegible] truck	3,000.00	80.00
Monthly rental allowance		293.00 month

Cen Valley Coal-Silver Mines, Inc., Kellogg, Idaho

Exploration Project Contract

Exhibit "B"

Labor and Supervision

Classification	Rate per 8-hour shift
Miners	10.00
Helpers	12.00
Teamsters	12.00

	Salary per month
Superintendent (400 per month plus chargeable to program)	225.00
Night Boss	250.00

The above rates are subject to lawful overtime increases and revision of any applicable wage and contracts.

Sun Valley Lead-Silver Mines, Inc., Potlatch, Idaho

Exploration Project Contract

Exhibit "B"

Rehabilitation and repairs

Rehabilitate 8 miles of road Bulldozer 200 hours @ 3 per hour	2,000.00
Two cats for 60 days	750.00
Cost of bunkhouse, compressor etc.	800.00
Total Cost	3,550.00

The above bulldozing costs of $3 per hour is to include all operating costs including the salary of the operator.

Rehabilitation of 1500' drift Labor cost $4.00 per foot	4,000.00
Misc. tools and supplies	300.00
Rental of 20" rail @ $10 per ton	1,100.00
Cost of plates and bolts	200.00
Rent of 2" pipe @ $10 per 20'	400.00
20,000 ft. of timber @ $60 per thousand	1,200.00
Contingency	2,000.00
	9,200.00

Metal Quotations
Lead 17.00c.
Zinc 17.50c
Copper 24.50c.
Silver (dom.) 90.5c.

THE WALLACE MINER

VOL. XVI. NO. 14 — THE WALLACE MINER, WALLACE, IDAHO, MAY 3, 1951. — SEVEN CENTS THE COPY

HIGHLAND & NEVADA ENCOUNTER NEW ORE

Lead - Silver Content Well Above Pine Creek Average

BOTH the Highland-Surprise and Nevada Stewart mines have new faces of milling-grade ore, Frank J. Luedke, Spokane, president of both companies, told the Miner last Saturday following the annual meeting of stockholders of the latter company here in Wallace.

The two properties adjoin each other in the Pine creek area and Nevada-Stewart ground is being opened by Highland-Surprise from the 700 level of the Surprise shaft under a development contract.

Luedke said the vein opened several weeks ago in Nevada-Stewart ground had been followed westerly for about 70 feet and the last 20 feet had been taken for ore and put through the Highland-Surprise mill.

The ore occurs in separate narrow seams of high-grade galena, vastly different from the finely-disseminated zinc-lead mixtures usually found in Pine creek properties, he said. Samples from the high-grade streaks return assays as high as 40 per cent lead, with a high silver content and very little zinc.

Over a full drift width the ore runs about 5 per cent lead and 6 ounces of silver per ton, he stated.

He estimated that an additional 90 to 100 feet of westerly drifting would be necessary to advance the face to the point beneath the best surface showings in the vein.

In the Highland-Surprise mine the west drift on the 1450-foot level has been in good high-grade lead-silver ore for the past 40 feet or more, Luedke revealed.

The mineral structure varies from one to three feet in width and averages 20 per cent lead and 18 ounces of silver per [illegible] with a small amount of zinc, [illegible]tated.

When contacted by telephone yesterday, Robert D. O'Brien, mine superintendent, said the ore has now been opened for about 60 feet and is still strong in the face.

The new ore, [illegible]aid, [illegible]t possibly be the down[illegible] extension of the Surprise No. 2 ore shoot mined on upper levels. It lines up almost perfectly on the dip angle but has come in about 100 feet sooner than expected, he stated.

Nevada-Stewart stockholders reelected all directors and the board continued all officers in their positions. They are Luedke, president; Adam J. Reinhart, Almira, Wn., vice-president; Henry C. Smith, Spokane, secretary-treasurer; Henry Connelly, Kellogg, director and Warren D. Rugg, Seattle, director.

Dominion Mine's New Ore is Wide and Rich

First assays of the new ore opened about two weeks ago in the Old Dominion mine east of Colville in Stevens county, Wash., indicate spectacular values reminiscent of the old property's early day production.

According to Earle B. Gibbs, owner of the property, values across the full 10-foot width of the vein run 98.3 ounces of silver, 12 per cent lead, 17.4 per cent zinc, .25 per cent copper and .05 ounces of gold.

The first four feet of the vein assayed 130.7 ounces of silver, 47.4 per cent lead, 12.6 per cent zinc, .15 per cent copper and .05 ounces of gold, or better than $300 per ton, he said.

The crosscut encountered a fault after passing through the vein and now appears to be coming in to a new vein, Gibbs revealed.

Easterly drifting on the 10-foot vein is about to be started, he stated.

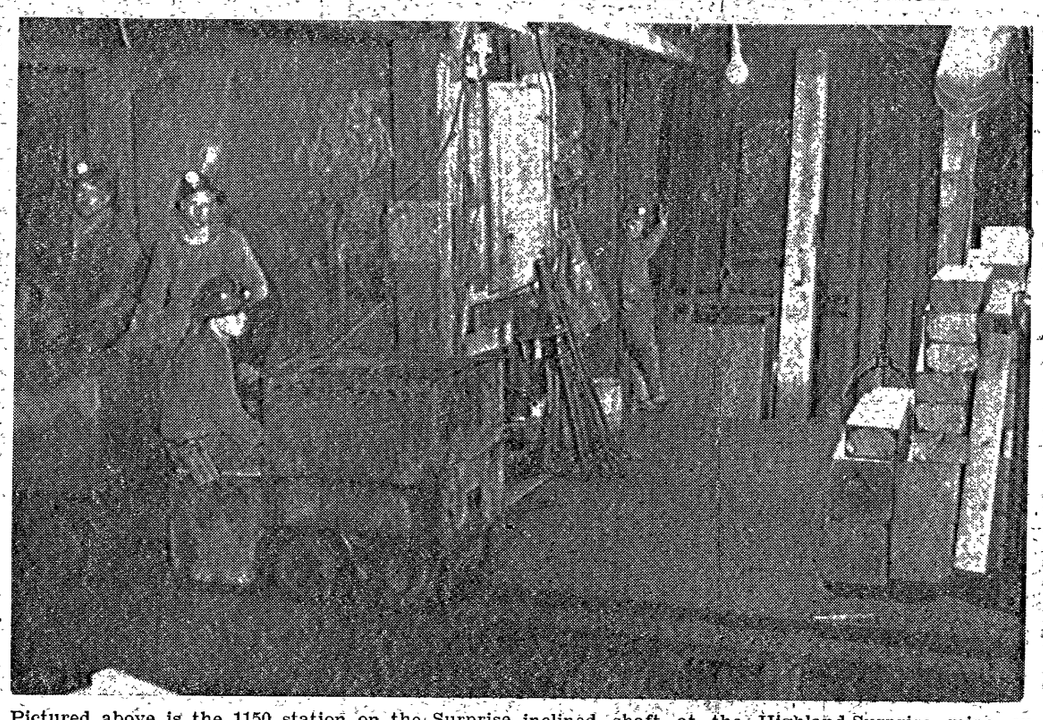
The new vein, which appears to be unrelated to the property's old bonanza ore body was encountered in a previously unexplored portion of the mine. An extension of the old Ophir tunnel, begun in 1885, to about the 1400 foot point intersected the structure at about 350 feet of depth below a promising surface showing.

Gibbs is now sole owner of the property, having bought out the interest of his partner, Ira M. Hunley, Spokane, last March. Early this year the partnership sold its Bonanza mine in the same district to Anaconda Copper Mining company for $2,000,000. They had picked up the idle Old Dominion property in 1949. It had a fabulous ore body in the early days, with values up to 1000 ounces in silver per ton.

SUNSET MINERALS CALLED

Sunset Minerals, Inc., has been listed for trading on the Spokane Stock exchange and was called for the first time yesterday, closing at 76c bid and 77c. asked. Sunset has been quoted on the Spokane over-the-counter market in the past.

UNDERGROUND AT THE HIGHLAND-SURPRISE



Pictured above is the 1150 station on the Surprise inclined shaft at the Highland-Surprise mine on Pine Creek. There are two lower levels, the 1300 and the 1450. It is from the 700 level of this shaft that Highland-Surprise is carrying on exploration of adjoining Nevada-Stewart property.

SILVER SUMMIT EYES LIQUIDATION OF DEBT

R.W.Neyman Named to Succeed Hanley as General Manager

SILVER Summit Mining company has paid off $285,000 on its indebtedness to Polaris Mining company since the first of the year and should have no trouble in paying off the balance this year, President Harry P. P[illegible]son told stockholders at their an[illegible] meeting here Tuesday.

The principal balance due Polaris has been reduced from $665,560 at the end of 1950 to $380,560 by May 1, he stated. This balance together with the $140,129 in acc[illegible]lated interest, can be paid out by the year end at the current rate of approximately $70,000 per month.

Announcement of the resignation of L. E. Hanley as vice-president and general manager of the company was made shortly after the director's organization meeting which followed the stockholders' meeting. Hanley has managed Silver Summit operations since 1945.

At the stockholders' meeting President Pearson paid high tribute to Hanley's management of the company, crediting to his foresight and faith in the Summit property the deep development program which cost the Polaris company over a million dollars before any ore returns were forthcoming.

Hanley is president and general manager of Polaris, which owns stock control of Silver Summit, and occupies the same position with Hecla Mining company, which controls Polaris.

Directors named R. W. Neyman, general superintendent of Hecla, to succeed Hanley in the Silver Summit company. Pearson was reelected president and L. S. Eddins retained his position as secretary-treasurer.

Hanley was reelected to the board of directors along with Neyman, Pearson, Eddins and George Grismer.

Pearson reported to stockholders that development work at the mine had been resumed and that a west drift on the 3000 level and a raise above that level were now underway.

The west drift has been advanced about 75 feet along a vein three to

(Continued on last page)

Ambassador Mines To Resume Tunnel

Ambassador Mines corporation is planning early resumption of development work on its property in Sanders county, Mont., northeast of the Coeur d'Alene district.

President M. [illegible] Unger and Director John R. Cross, both of Santa Barbara, Calif., stopped by in Spokane last week en route to the property to confer with E. I. Fisher, company secretary, and to place orders for powder, track and other supplies necessary for the resumption of work.

Unger said the lower tunnel toward the Wanda vein was estimated to be within 100 feet of its objective when snow conditions halted the project last winter. The vein shows good values in gold, silver, copper and lead at the surface outcrop, he stated.

The company's 21 claims are 15 miles southwest of Trout Creek which is on the main Northern Pacific line, and 7 miles northeast of the Jack Waite mine on the Idaho-Montana border.

Metaline M&L Reports On Contact Work Costs

Sullivan Mining company's expenditures in opening Metaline Contact ground near Metaline Falls, Wn., had reached a total of $132,217 by the end of 1950, according to a recent report by Metaline Mining and Leasing company.

The work is being done through Metaline Mining and Leasing company's underground workings under terms of a 20-year lease concluded last March between the Sullivan and M. & L. companies.

The report reveals that the Mining and Leasing company now has 1293 shareholders. Its outstanding shares total 2,046,167 out of an authorized 3,000,000. Directors own 40,776 shares, or about 2 per cent of the issued stock.

The compan[illegible]'s extensive property southwest of [illegible]aline Falls, including the old Sterling ground on which the tunnel site is located and the old Bella May claims. It has a lease on Metaline Contact's adjoining property.

Silver Bowl Explores Bobby Anderson Group

Silver Bowl, Inc., has taken an option to lease the old Bobby Anderson property on lower Pine creek and has a surface diamond drilling program now underway, it was revealed recently.

Vivian Brothers, Kellogg drilling contractors, are doing the work under the direction of Stephen Zoldok, geologist, who is also directing development work at the Lookout Mountain property to the south.

Nancy Lee Mines, Inc., owns the Bobby Anderson group of two patented and 14 unpatented claims. About 20 years ago the Bobby Anderson Mining company mined some good grade lead-zinc ore from the property. During 1950, Al Osborne of Kellogg, shipped about 2000 tons of ore from upper workings under a lease agreement.

Bunker to Pay 50c. For Second Quarter

The Bunker Hill and Sullivan Mining and Concentrating company will pay a second-quarter dividend of 50 cents per share of common stock, totaling $654,000, on June 1 to stockholders of record May 7.

Directors of the company, meeting in San Francisco a week ago, authorized a regular 25-cent payment plus an extra dividend for the same amount, thus continuing the rate paid in the previous two quarters. In the second quarter of 1950 only the regular 25-cent payment was made.

Directors also declared a dividend of $1 and an extra dividend of $1 per share on the outstanding $10-par value preferred stock.

About 4800 shareholders, over half of which reside in the inland empire, will share in the div[illegible]d. The forthcoming payment [illegible] increase the company's total dividend payments to $70,374,912.

SHEEP CREEK REPORT

Sheep Creek Gold [illegible]es' net profit for the nine month period ended on March 1, 1951 totaled $311,611, after deductions of $109,700 for write-offs and income tax, according to recent reports from Vancouver, B. C. In the last full fiscal year ended May 30, 1950, the company had a net profit of $174,416, after allowing $98,926 for write-offs and income tax. During the nine-month period the company's Zincton and Paradise mines in B. C. yielded 1,519,599 pounds of lead, 7,212,454 pounds of zinc and 32,823 pounds of cadmium.

LOOKOUT OPENS LEAD ORE

Lookout Mountain Mining and Milling company unexpectedly opened a good lead ore showing recently in taking down back to make room for a downward diamond drilling program, according to reports. A raise to explore the showing further is now underway. The diamond drilling is being continued. One hole has been completed and the results are described as "satisfactory" by officials.

Bullion Company Sets Levy to Clear Debts

Directors of the Bullion Mining company, Ltd., meeting here last week, levied an assessment of two and one-half mills per share to take care of tax expense and other indebtedness which has accumulated during the several recent years when there has been no work done on the property on the Idaho-Montana border.

In a letter to stockholders accompanying the notice of assessment, C. L. Wickward, secretary of the company, calls attention to an extensive program to develop a large area north and west of the Bullion, referring to the recently-announced agreement under which Hecla, Newmont and New Jersey Zinc mining companies have undertaken to explore at depth the Atlas property southeast of Mullan.

This development will be of great importance to the entire area in this southeast part of the district, Wickward tells stockholders.

Payment of the assessment is due by May 31 and the sale of delinquent stock is scheduled for June 30.

The Bullion property consists of 16 patented claims on Bullion creek in the St. Joe district. It is developed by three tunnels and a total of 12,080 feet of underground work. It is a copper-gold property.

BIG EXPANSION SEEN IN METALINE-SALMO

New Milling Facilities Will Double Area's Output Capacity

MINERAL production from the huge mining area of northeastern Washington and southeastern British Columbia will soon be doubled and not ever[illegible] guess can be made regarding what further expansion will result from the vast amount of exploration and development work currently underway, C. R. Lambly, general superintendent of Pend Ore[illegible] Mines and Metals company of [illegible]aline Falls, Wn., told Spokane mining men at their weekly luncheon meeting last Monday.

Current milling facilities permit a daily production of approximately 3,500 tons daily, he said. The five mills now operating are: Pend Oreille's east and west plants totaling 1300 tons daily; Reeves-MacDonald mill at Remac, B. C., 1000 tons daily; Grandview mill at Metaline Falls, Wn., 700 tons daily; and the Canadian Exploration plant near Salmo, B. C., 500 tons daily.

Now under construction, or in the planning stage, are the following facilities which will almost double present daily capacity ;a 1600-ton expansion of Pend Oreille's east mill; a 1000-ton plant at Cominco's H. B. property at Salmo, B. C.; a 300-ton addition to Canadian Exploration's plant; and Emerald Tungsten's 300-ton mill, also near Salmo.

Completion of these additional plants will increase the annual out-

(Continued on last page)

HECLA LEASES EAST SILVER BELT CLAIMS

Deal Includes Option To Purchase Within 10-year Period

EAST Silver Belt Lead Mines, Inc., last Tuesday concluded with Hecla Mining company a lease and option agreement looking toward the exploration and development of the company's extensive property southwest of Mullan.

The action was approved by stockholders of the East Silver Belt company at their annual meeting Tuesday evening. All of the 1,567,771 shares of stock represented in person and by proxy at the meeting were cast in favor of the agreement. There are 1,800,000 shares outstanding.

Under the agreement Hecla is granted a 10-year lease to explore and develop the East Silver Belt property and to mine any ore bodies opened by the work, paying to the East Silver Belt company a 10 per cent royalty.

It also grants to Hecla an option to purchase a nine-tenths undivided interest in the property for $150,000 at any time within the 10-year period. Royalty payments may be applied on the purchase price to the extent of $125,000, the balance to be paid in cash.

The entire cost of any development work is to be borne by the Hecla company until such time as the purchase option has been exercised. After that the East Silver Belt company must bear its proportionate share of expenses, but only out of production income.

The agreement is an outgrowth of the deal which Hecla and two eastern associates, Newmont Mining company and New Jersey Zinc company, negotiated recently with Atlas Mining company for deep development of that company's property which adjoins East Silver Belt on the northeast.

Under [illegible]erm[illegible]cla may assign interests [illegible] its pa[illegible]ers in the Atlas venture.

Time of beginning was set at January 1, 1956 in the East Silver Belt agreement, far enough in advance to permit co[illegible]letion [illegible]f a substantial part of Atl[illegible]velopment and contemplating possible use of these openings for the exploration program.

Hecla may relinquish the lease on 30 day notice, except that if assessment work for a year must be done before July 1 the notice must be given by at least March 1.

The East Silver Belt property consists of 67 unpatented claims in the Hunter mining district. It lies west of the Atlas and extends westerly to the Rock Creek group which is 95 per cent owned by Hecla. The Moe group adjoins it on the north.

It is approximately a mile wide from north to south and extends for two miles east and west along the wide zone of altered formation, which, in the west end of the silver belt, from the Sunshine mine to the new Vulcan development, has been found to be extremely receptive host rock for rich silver-lead mineralization.

President R. E. Sorenson told the stockholders at the meeting that last year's development work had disclosed an interesting area in the north end of the property. Trenching, diamond drilling and bull-dozing of new roads has exposed several mineralized structures containing barite, pyrite and siderite, he reported.

Stockholders reelected Sorenson, E. F. Enbom, H. E. Harper and C. H. Foreman, all of Wallace, to the board of directors and named Chas. E. Horning, Wallace attorney, to fill the vacancy created by the resignation of Gordon Peck.

The board of directors continued all officers in their positions for another year. They are Sorenson, president; Foreman, vice-president and Enbom, secretary-treasurer.

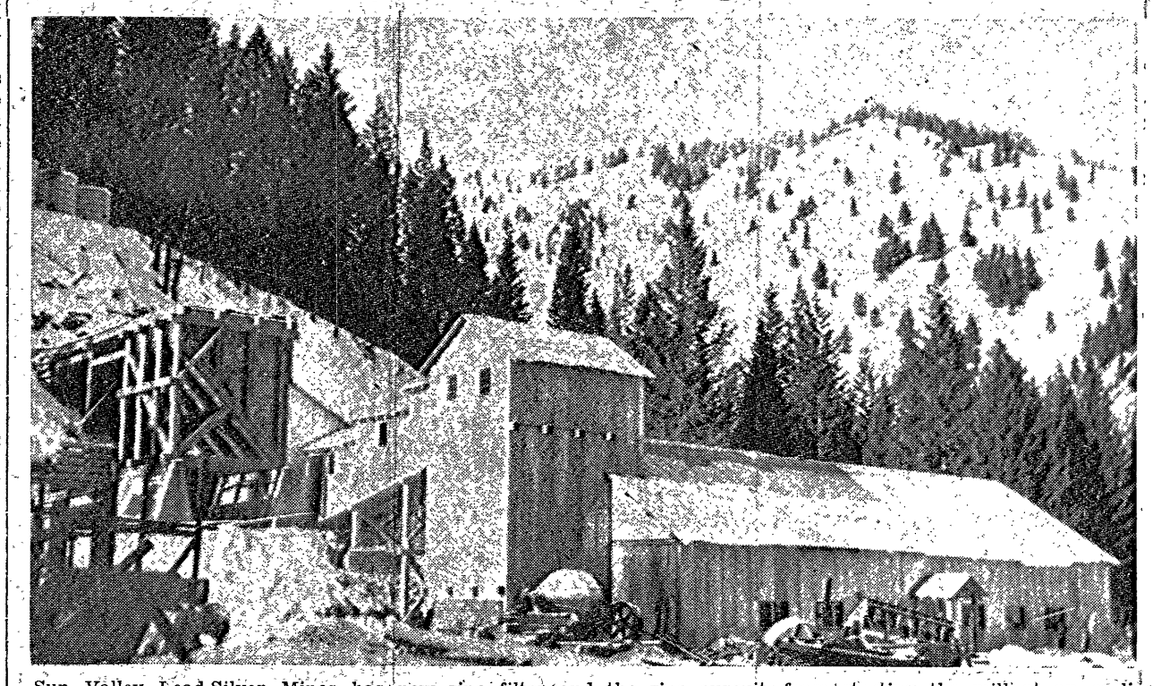
DAY MINES OFFICERS

Day Mines, Inc., reelected all officers at the meeting of directors which followed the annual meeting of stockholders last week. They are Henry L. Day, president; F. M. Rothrock, vice-president; Paul B. Jessup, vice-president and comptroller; S. F. Heitfeld, secretary and treasurer; and R. W. Anno, assistant secretary and treasurer. Last week we reported in error that Howard C. Paulsen, Spokane, had been reelected to the board of directors. He was elected to the position for the first time at that meeting, succeeding his brother C. I. Paulsen, also of Spokane.

CONTROLS LIFTED

Price controls were lifted from sales of tungsten ores and raw mica this week. Tungsten producers now have a guaranteed "floor" of $63 per ton unit of 20 pounds on newly discovered ore and "excess" production and no ceiling. The ceiling has been $65 per ton.

Sun Valley Mill Now Running Three Shifts



Sun Valley Lead-Silver Mines has put its new 100-ton mill near Ketchum, Idaho on a full-time basis with the recent addition of a third shift and is at present producing from dump ores a lead-silver-gold concentration running as high as 40.8 per cent lead, 75.7 ounces of silver and $9.25 in gold per ton, the Miner was informed this week.

The company has experienced some difficulty in obtaining delivery of a new zinc filter and the zinc curcuit has not been in operation. This unit has finally arrived and zinc concentrates will soon be produced, it was stated.

In addition to completing the new mill started last August, the company has, during the past winter, put in a six-mile electric power line, completing it in January. Heavy snows and the frozen condition of the ore stockpile prevented the company from starting the mill at an earlier date.

The Sun Valley company's principal property consists of the 12 unpatented claims of the New Hope group in the Warm Springs district of Blaine county. It also has 7 patented and 20 unpatented claims of the Sunday mine group. The dump ores now being milled are from the Sunday mine, which is estimated to have about 200,000 tons of milling ore.

The Wallace Miner

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IDAHO STATE EDITORIAL ASSOCIATION •1951 MEMBER•

The Federal "Grubstaker"

Dr. James Boyd, administrator of the defense minerals administration, was apparently in an expansive mood recently in announcing, at long last, the regulations governing his agency's new mineral exploration program.

After reviewing briefly the myriad rules designed to insure stringent bureaucratic control over the program, Boyd ventured the opinion that "This exploration program is more liberal than the once-famous system of "grubstaking."

"Under the old-fashioned method of grubstaking, those providing the 'grub' or finances to a prospector expected to share in the profits of successful ventures.

"Under this exploration plan, the government can only recover its share of the costs and does not stand to make a direct profit from any project except as federal taxes on successful ventur can b so considered."

We hesitate to disagree with Dr. Boyd, recognizing that he is a highly capable authority in the mining field and that he h ccess volumes of data on which base statement It is our opinion, however, that federal taxes must very definitely be considered as the government's direct profit from any successful project and that when it is so considered it raises ample room for doubt that the government's belevolence and liberality is any greater than that of the old-time grubstaker, if as great.

Under the old western system, the grubstaker customarily was cut in for 50 per cent of any profits resulting from any discovery made by the prospector being grubstaked. Federal taxes today are such that the amount which accrues to the government from a successful mining venture could very easily equal and might exceed, this percentage. A new mining venture will be required to pay federal taxes, excess profits taxes, social security taxes, and unemployment compensation taxes. In addition the wages and salaries to its employees and the dividends to its stockholders are subject to income taxes in the hands of recipients. These latter are not a direct tax on the mining operation, it is true, but they do represent money accruing to the federal treasury from the new venture, and should be considered part of the government's return from its initial "liberality."

Apart from the dollar and cents angle, the liberality of Dr. Boyd's program pales by comparison with early-day grubstaker. That hardy, venturesome old-timer did not require any matching funds from the prospector, nor did he ask that his investment be repaid from ore returns before the prospector could get his share. Neither did he ordinarily have the benefit of expensive preliminary investigation of the "prospect" before he put up his money for grub. And he didn't ask for six months time to "program" his proposed investment.

We don't wish to sell the federal government's generosity short at this stage of development of its liberal new program. After all it is allowing the miner a whole month to apply for aid under the plan which took many times that long to "perfect."

However, it is and will remain our considered opinion that if the good federal government would get off the back of the mining industry—reduce its tax take to a figure within reason, eliminate the ridiculous restrictions of the securities and exchange commission, put an end to the constant harassment by the bureau of land management, and give the domestic miner equal consideration with his foreign competitor—that industry would expand and prosper, and with it the nation's entire economy, without any federal benevolence.

Confused Confusion

The two-price arrangement currently prevailing in the lead market is causing an understandable confusion among producers and consumers as they endeavor to carry on their daily transactions, but it not a patch on the doubly-confused confusion which prevails in those government agencies responsible for the situation and for working out its solution.

The difficulty arises over the fact that the office of price stablization has established a 17-cent ceiling price on lead and is trying to maintain it in the face of a 20-cent world market price. The result is that the domestic lead mining industry is at a distinct disadvantage with respect to its foreign competitors, and the nation is unable to get badly-needed foreign lead.

Recently at a hearing before the committee on interior and insular affairs of the house of representatives on production and stockpiling of critical and strategic minerals and metals, Representative Hamer Budge of the second district of Idaho subjected Sam M. Ewing, chief of the metals branch of the office of price stabilization, to close questioning with regard to that agency's plans for solving the difficulty.

A transcript of the hearing reveals the hopeless muddle in which the OPS is floundering. ing recognized that the two-price andard was bad, but could offer no alternative to it. About the only thing clearly indicated by his testimony was that the domestic lead m r industry would not be given the slightest consideration in their muddling through to a solution.

Mr. Ewing said that in order to get imported lead it would be necessary to pay the higher price and that he might recommend that the government subsidize these purchases for the three-cent difference.

Mr. Budge: "In other words, you would pay the outside producer 20 cents a pound and limit the domestic producer to 17 cents, is that correct?"

Mr. Ewing: "That is correct."

Further along in his testimony Mr. Ewing admitted that domestics producers would very likely be denied the privilege of selling in the world market and forced to take the lower price prevailing under his agency's ceiling prices.

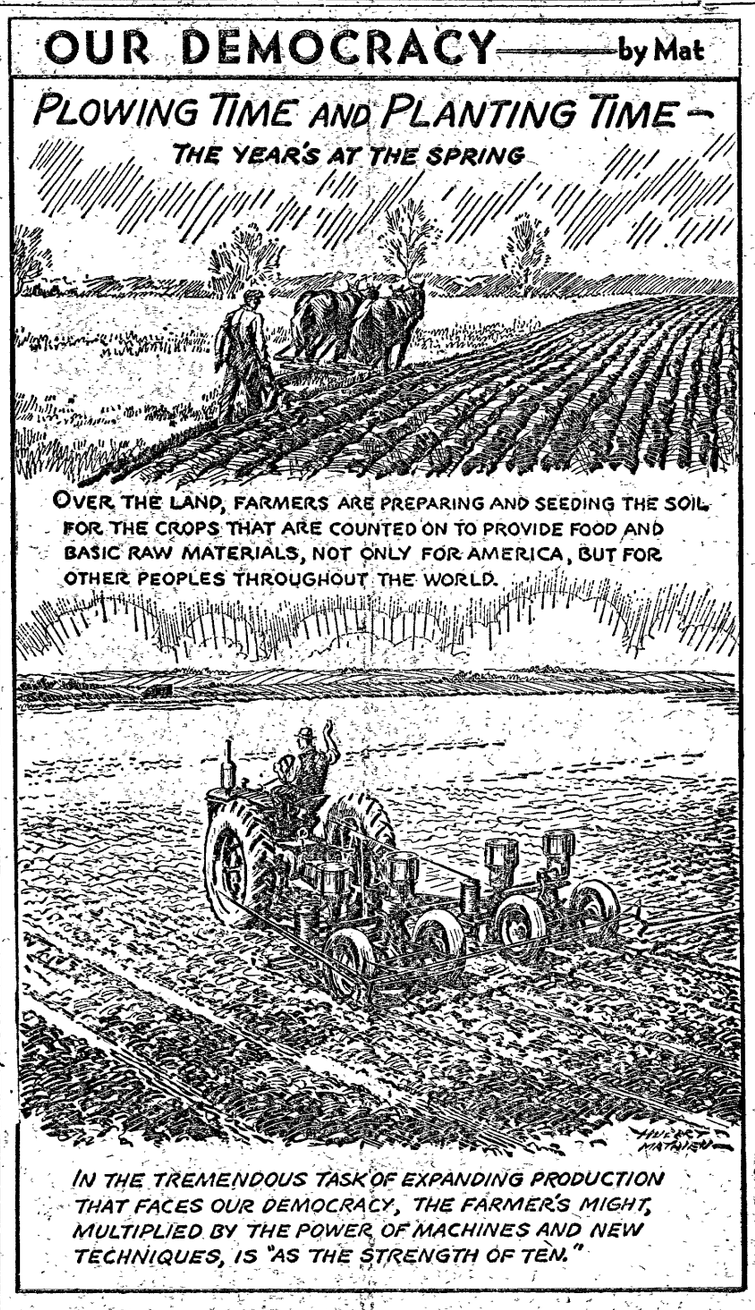
He could offer no explanation whatever as to why he was willing to penalize the domestic producer nor did he indicate that any thought had been given to affording this vital segment of our national economy any semblance of equitable treatment.

Apparently Mr. Ewing's only thought is to maintain established ceilings no matter how fictitious and unreasonable they may be. Control is the be all and end all of his administrative existence.

Is there a more pathetic, and potentially more dangerous, figure than a government planner without a plan?

"Subsidies, no matter what name they masquerade under, have no place in the American way. They are a resort to subterfuge, in which the real cost of living is camouflaged so as to fool the people."—Omaha, Neb., Daily Journal-Stockman.

"Mr. Hoover wants Congress to recover its authority over starting wars by having it exercise control over the nation's purse strings. He doesn't propose repudiation of treaties, or obligations; no retreat, no withdrawal from the position we have taken. —Islip, N. Y., Press.



Defense Minerals Administration Finally Ready With Mineral Exploration Program

With the recent approval by the bureau of the budget of a $5,000,000 fund for financing its share of the proposed mineral exploration program, the Defense Minerals Administration is prepared to get the plan underway.

At the mee g of the Utah Mining association in Salt Lake City recently Dr. James Boyd, DMA administrator, said that Mineral Order 5, setting forth the regulations governing the program had viously been approved. He pled d speedy action on some 500 loan applications from mining men in Utah, Idaho and Nevada, even though they had not been made on the form prescribed in the regulations.

The present $5,000,000 allocation is intended to cover loan requirements for the balance of the fiscal year and applications to receive aid from it must be filed at least 30 days prior to the expiration date of the authority under which the funds are allotted, Boyd pointed out. The authority for the current fund is granted under the Defense Production of 1950 which expires on June 30, 1951. Therefore, applications for aid from this fund must be filed before June 1.

Boyd told the Utah meeting that another $40,000,000 will be available in the next fiscal year.

The mineral exploration program, which is designed to help prospectors and mine operators finance the cost of searching for new ores vitally needed in the defense production program, employs a "matching" principle of aid, on a project by project basis and on a sliding scale.

The percentage of funds to be supplied by the government in proportion to the total cost of an approved project depends upon the mineral which is the subject of exploration. For chromium, copper, fluorspar, graphite, iron ore, lead, molydenum, sulphur, zinc and cadmium, the government's contribution is 50 per cent. It will put up 75 per cent for antimony, manganese, mercury and tungsten and 90 per cent for asbestos, beryl, cobalt, columbium-tantalum, corundum, cryolite, industrial diamonds, kyanite, mica, monazite and rare earth ores, nickel, platimum group metals, quartz crystals, talc and tin.

The applicant's share of expenses may be in the form of his labor at reasonable rates, rental of equipment owned by him, and similar contributions in kind as well as cash funds.

No exploration project that will take more than two years to complete will be approved for a contract and the government's contribution to a project shall be repayed from the net returns from any ore, concentrates or metal produced as a result of the exploration.

An application form (MF-103) and a contract form (MF-200), to be executed between the operator and the government which an application has been approved, have been prepared.

The strategic importance of the mineral involved will be one of the factors considered by the Defense Minerals administration in approving or rejecting applications for assistance, according to the new regulation. Others are the geologic probability of making a significant discovery; the availability of manpower; the availability of equipment and supplies; the accessibility of the project, etc; water and power supplies; and the operatin experience and background of the plicant.

Under the terms of the regulation, funds advanced by the government for exploration projects can be used only for "reasonable, necessary, direct costs of r ming the exploration," includ the cost of materials, supplies, labor, direct supervision, engineering, power, water, utilities, and such other items as may be allowed in the contract. The use of funds for administrative expenses not directly connected with the project is barred, such as all items of general overhead, corporate management and interest on borrowed money.

The repayment section of the regulation provides that within six months after the completion of a propect the government must decide if a discovery or development has resulted which may produce commercial ore. If so, the government notifies the operator who then will be obligated to pay the government a percentage royalty on the net smelter returns or other net proceeds realized from the ore, concentrates, or metal produced within ten years from the date of the contract until the total amount contributed by the government, without interest, is fully repaid, or the 10 years have elapsed, whichever occurs first.

Under the terms of exploration contract (MF-200), the mine operator must keep suitable records and accounts of the operation which the government may inspect and audit at any time. Also, the operator is required to preserve records and reports on the project for at least three years after the completion of the propect or termination of the contract. Monthly reports on progress and a comprehensive report at the termination of the propect also are required.

Applications may be filed directly with the DMA in Washington, D. C., or with a DMA field office. The field office for the Pacific Northwest is at S. 157 Howard St., Spokane, Wn.

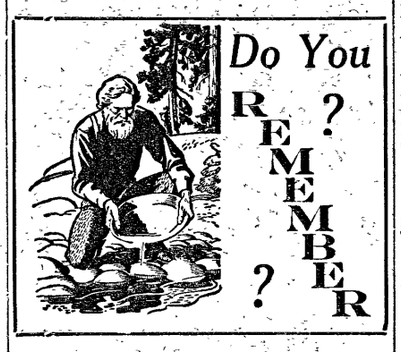
NOTICE

Notice is hereby given that pursuant to the provisions of Chapter 29 of the 1951 Idaho Session Laws (S. B. 15) effective May 11, 1951, the rate to be charged for all official notices, required by law to be published in any newspaper in the State of Idaho, by any state, county, municipal or other person shall be as follows:

Eleven cents per column line for 8-point type; twelve cents per column line for 7-point type; and thirteen cents per column line for 6-point type for the first insertion; and six cents per column line for each of said type sizes for each subsequent insertion. For table and figure matter the rate shall be sixteen cents per column line for each of the aforementioned type sizes for the first insertion, and six cents per column line for each subsequent insertion.

Idaho State Editorial Association,
RICHARD K. MOONEY,
Secretary.

A26-M10-3t.



Wallace Free Press (May 3, 1890)

A Place for the Sick

James Holbrook with his wife, (Archdeacon Gunn's sister) and three children have arrived in Wallace for the purpose of taking charge of the hospital about to be erected by Archdeacon Gunn at the west end Cedar street, at the foot of the mountain which stands like a wall in that part of the town. It can be made a beautiful spot by clearing away the forest and leveling off the tract, a little over an acre of ground. Placer creek, with its clear waters, separate the site from the town. The object of the hospital is to take care of the sick and wounded of the mines and railways about Wallace. The property will belong to the Episcopal church, and the work will be under the sole charge of Archdeacon Gunn, but there will be no difference shown between persons of creed, color or nationality . . . By the payment of $1 per month a person can secure a hospital care, medicine and medical attendance . . . . The hospital will be known as "Holland Memorial Hospital," as it is through the generosity of Mrs. Francis Holland of New York that Archdeacon Gunn will be able to build it, and he very properly names it in memory of her late husband. Mrs. Holland, we are informed by Mr. Gunn, has been for several years interested in his work in Minnesota and had helped him build seven churches and the Wilder Farm College.

Wallace Free Press (May 17, 1890)

A Drum Corps

A drum crops has been organized by some of the boys, consisting of six snare drums, one bass and two fifes. The membership is as follows: Masters Dan Holbrook and Griffin Gunn, fifers; Master Henry Holbrook, bass drum; Masters Dan Gunn, Steward Fuller, Lawrence Worstell, Thomas Argyle, Walter Helm and John Bair, drummers. The boys are practicing every evening, and will make their first public appearance at the laying of the Holland Hospital corner stone next Thursday.

Town Items

Lot owners should make up their minds to order lumber at once for sidewalks. If they don't they will find themselves in the soup by the 6th of June.

The town Marshal wears a handsome gold badge of his office, presented to him by his friends. He wears it with honor to himself and the donors.

It is reported that Frank Olendorf has raised sufficient money in the East to put the Nesmith Con. mine on Sunset in good shape to ship ore.

Improvements

C. A. Baldwin and associates have erected a castle on Placer point, overlooking the town. It is a vertitable tower of observation. It will be surrounded by a vineyard and orchard. A chicken department is also contemplated on the mountain.

On West Bank Street, Bob Short, the City Marshal, has put a fine residence.

A. B. Campbell is erecting a handsome residence on West Cedar St. James F. Malloy has another building of three rooms partially completed on the northwest corner of Bank and Fourth streets.

Town and County

The fund necessary to be raised in Spokane ($73,000) to guarantee a smelting plant has been subscribed, and we begin to smell the fumes from the huge stacks.

An excursion will leave here tomorrow morning on the Washington and Idaho for Spokane to witness the game of ball between the Spokane and Tacoma mines. The fare of the round trip has been placed at $5.45.

Wallace Free Press (May 24, 1890)

New Machinery Ordered

Geo. B. McAulay, manager of the Granite mine, informs us that this company contemplates the erection of extensive machinery on Nine-Mile for the purpose of facilitating the work in the Granite mine. The plant will be erected about 3½ miles from Wallace, and consist of an air compressor, Pelton wheel, etc. The cost will approach $20,000.

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