500

FILE COPY
Surname:

Moulds

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY
WASHINGTON 25, D. C.

MAR 11 1952

Mr. Robert R. Rynio
Christmas Mining Company
Mayer, Arizona

Re: Docket No. 544

Dear Mr. Rynio:

A review of the Defense Minerals Exploration Administration files indicates that on August 31, 1951, and again on January 7, 1952, letters were sent to you requesting information on your application for a defense exploration project.

Since a reply has not been received to either of these letters, we naturally assume that you are no longer interested in this type of assistance. Your application is therefore considered closed, and we are removing it from our active file.

Sincerely yours,

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

DEMoulds/hmj
3-10-52
cc to: Adm. R. File
Docket File Copy
Mr. Moulds
Mr. Bishop
Mr. McKnight
Region IV (2)

FILE COPY
SURNAME:

Note
McKnight
Herres

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

March 9, 1951

Mr. Robert R. Rynio
c/o The Christmas Mining Company
Mayer, Arizona

Re: Docket DMA-544

Dear Mr. Rynio:

Your letter of January 30, to Dr. James Boyd requesting information on Government assistance available to mine operators for development of strategic minerals, has been referred to me for reply.

Federal aid to expand productive capacity and supply of strategic and critical minerals, as provided in the Defense Production Act of 1950 is taking the following forms: (1) Purchase contracts made by the General Services Administration made on projects certified by the Defense Minerals Administration. (2) Accelerated amortization of equipment allowed under the tax laws to operators having certificates of necessity issued by the National Security Resources Board. (3) Encouragement of exploration and development.

A program for encouragement for exploration and development has recently been announced to the public. For your information, I am enclosing a copy of a press release giving general details of this program.

Application for aid under the Defense Production Act should contain certain basic information. The type of information desired is indicated on the enclosed questionnaire. Applications for aid in exploration and development will be available for distribution soon. If you are interested in this type of assistance, I shall be pleased to forward you the necessary schedules.

I trust this information satisfactorily answers your inquiry. If I can be of further assistance to you at any time, please feel free to call upon me.

Very truly yours,

OTTO HERRES

OTTO HERRES, Chief
Lead-Zinc Branch, DMA

Inclosures 2
RHMOTE/ppm
Copy to - Mrs. Parker
Base Metals Br.
R. H. Mote
Lowell B. Moon
Otto Herres
Files

Ed McKnight
Geological Surv.
C/o. O. Mittendorf
L. F. Strobel

2 copies to Field Team
Region 4 - Executive Officer
Mr. J. H. East, Jr.
and
Mr. A. H. Koschmann
224 New Customhouse
Denver 2, Colorado

DMA-544

856

LANDON F. STROBEL

Mayer, Arizona
Jan. 23, 1951

DMA-544

answered
March 9, 1951
R. H. Mote / ppm

BUREAU OF MINES
WASHINGTON, D.C.
3 35 PM '51

Dr. James Boyd
Dept. of Interior
Washington, D. C.

Dear Sir;

I have written to the loan agency of the Reconstruction Finance Corporation in Los Angles regarding an application for a metal mining loan. They, in turn, referred me to you.

Would you please send me some application blanks for a mining loan under the provisions of the Defense Production Act of 1950. Our mine produces lead, zinc, copper and silver.

If you have any information that may be helpful in obtaining such a loan, it would be appreciated.

Sincerely yours,
Robert R. Rynio
% Christmas Mining Co.
Mayer, Arizona

FILE COPY
SURNAME:

Moulds
Mittendorf

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

JAN 7 1952

Mr. Robert R. Rynie
Christmas Mining Company
Mayer, Arizona

Re: Docket No. 544

Dear Mr. Rynie:

A review of the Defense Minerals Administration files indicates that on August 31, 1951 a letter over the signature of Mr. L. E. Billings was mailed to you, relative to your application for aid in a Defense Exploration Project.

In order that we may determine the status of your application, we will appreciate receipt at your earliest convenience, of the requested information, or your request to withdraw the application in the event you do not desire the exploration assistance under the requirements of Mineral Order 5, a copy of which is enclosed for your information.

Sincerely yours,

SIGNED cc 1-7-52

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

DMMoulds/hmj
1-5-52
cc to: Adm. Reading File
Mails and Files
Mr. Mittendorf
Mr. Bishop
Mr McKnight
Region IV
Docket

S.a.

IN REPLY REFER TO:

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

January 2, 1952

Re: DMA-544
Robert R. Rynio, Partner
Christmas Mining Co.,
Arizona
Exploration loan, $20,015.90
Lead,zinc,copper,silver

Memorandum

To: Mr. C. O. Mittendorf

From: Mr. E. T. McKnight

Subject: Closing of docket

On August 31, 1951, in a letter signed by Mr. T. P. Billings, the applicant was requested to send in geological reports referred to in his application and copies of his lease. Since the applicant has not replied, I recommend that the docket be closed, presuming that he is no longer interested in obtaining a matching loan.

Returned herewith are:

1 letter signed by Day, dated 2-11-51
1 questionnaire dated 3-15-51
1 letter signed by Rynio, dated 3-17-51
1 letter signed by Strobel, dated 3-22-51
1 letter signed by East, dated 5-3-51
2 copies Form MF-103
2 " " MF-100
1 copy Form MF-201

Edwin T. McKnight
E. T. McKnight
Geologist

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

January 2, 1952

Re: DMA-544
Robert R. Rynio, Partner
Christmas Mining Co.,
Arizona
Exploration loan, $20,015.90
Lead,zinc,copper,silver

Memorandum

To: Mr. C. O. Mittendorf

From: Mr. E. T. McKnight

Subject: Closing of docket

On August 31, 1951, in a letter signed by Mr. T. P. Billings, the applicant was requested to send in geological reports referred to in his application and copies of his lease. Since the applicant has not replied, I recommend that the docket be closed, presuming that he is no longer interested in obtaining a matching loan.

Returned herewith are:

1 letter signed by Day, dated 2-11-51
1 questionnaire dated 3-15-51
1 letter signed by Rynio, dated 3-17-51
1 letter signed by Strobel, dated 3-22-51
1 letter signed by East, dated 5-3-51
2 copies Form MF-103
2 " " MF-100
1 copy Form MF-201

Edwin T. McKnight

E. T. McKnight
Geologist

FILE COPY 350
SURNAME:

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

AUG 31 1951

Newcomb (ETM)
McKnight
Mote (Corte)
Billings

Re: DMA-544

a. E. e

Mr. Orson Day
Christmas Mining Company
Mayer, Arizona

Dear Mr. Day:

The Lead-Zinc Branch of the Defense Minerals Administration has reviewed your application for an exploration loan.

We would like to receive all geological reports pertaining to your property. These reports were referred to in your application and are needed to fairly appraise the proposed work.

Also, six copies of your lease are required.

Very truly yours,

T. P. Billings, Chief
Lead-Zinc Branch

J.F. 8/31/51

ELNewcomb:emp
G 8-31-51
Copies to: J. H. East, Jr. Region IV (2)
Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
R. H. Mote
Reports & Records
Directors r. fiel 4214 GSA
Br. r. file 4214 GSA
Files

dma 544

LANDON F. S

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

REGION IV

OFFICE OF
REGIONAL DIRECTOR

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

May 3, 1951

Memorandum

To: Landon Strobel, Executive Secretary, Defense Minerals Administration

From: Executive Officer, DMA Field Team, Region IV

Subject: Christmas Mining Company

We are attaching the following forms submitted by the Christmas Mining Company, Mayer, Arizona.

MF-100 - four copies
MF-103 - four copies
MF-201 - one copy

Sincerely yours,

J. H. East, Jr.,
Executive Officer

Attachments

MAY 8 1951

5

BUREAU OF MINES
WASHINGTON, D. C.

MAY 7 12 31 PM '51

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 544

Date received 5/7/51

Participation

CHRISTMAS MINING CO.

MAYER, ARIZONA

Name and address of applicant

Date April 30, 1951

FILL IN THIS BLOCK

Date of application March 17, 1951

Estimated cost $ 20015.90

Mineral or metal Mineral

Percentage of Government participation 50%

Location of mine Peck Mining District

Yavapai co, Mayer, Arizona

Date of filing MF-100 March 17, 1951

DMA Docket Number, if available DMA-544

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

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

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

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

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

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

*16. History:

(*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.

(*b*) State briefly the known history and production of adjoining and neighboring properties.

(*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

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

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

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

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

(*b*) Submit available maps and assay data.

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

(*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.

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

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

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.

(*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.

(*f*) Cost of rental for equipment which the operator proposes to rent.

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.

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

(*i*) Cost of power, water, utilities, and any other items not provided for above.

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

CERTIFICATION

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

CHRISTMAS MINING CO.
(Name of company)

By Orson Day+
(Signature of authorized official)
Robert Rynio

April 30, 1951
(Date)

Manager
(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

APPLICATION FOR AID FOR AN EXPLORATION PROJECT

1- Partnership
2- Bob Rynio (Mayer, Ariz.)
Orson Day (Mayer, Ariz.)
Mike Mangus (Mayer, Ariz.)
3- Not a corporation.
4- All have had 15 years experience in mining.
5- Lessee
6- Not owner.
7- Will send lease as soon as owner returns, as present lease needs more signatures for partnership.
8- So far this year we have spent $10,783.00 on this project.
9- Our share will have to be made or counted by reasonable labor rates and equipment now on hand.
10- The mine is 15 miles southwest of Mayer, Arizona, in the Peck Mining District, Bradshaw Mountain Range, in Yavapai County Arizona.
11-Christmas Mine Co.
12- Mine is five miles southwest of Cleator, Ariz., 15 miles from the nearest railway shipping point. with five miles dirt road, and 10 miles of graved road.
13-(a) Water is available at all times
(b) Gasoline power and compressed air is used, amount depending on work done - around $30.00 per week.
14-One gallis frame, rail and ties, air pipes, one hoist, one compressor, two jack hammers, one fan, one mine car,
15- The ore can be shipped by truck and be milled at the Iron King Mine 25 miles away. It is a selective flotation mill.
16- History-
(a) The mine was previously worked by hand- all drilling and mining done by hand. Ore shipped at that time was was packed out on burros. At that time the mine had one 60 ft. incline and about 150 ft. of drifting. All ore mined then was very high grade but in insuffient quanitity to warrant mining on such small scale. Mining was suspended due to diffuclty in transporting the ore on burros.
(b) This mine is located in highly mineralized dist. Mines surronding it have produced very good ore in large quanitys(The Crown King, Golden Turkey, and the Iron King.)
(c) We do not have the geological reports but are able to furnish them if neccessary. Reports read that within another 100 ft. to 150 ft. down theincline we should come into a body of ore sufficient to put ona good production basis.
17- At present time all our efforts have been made in going deeper into the mine. However one 3 ton load of ore was shipped, which netted us $150.00 per ton.

18- (a) Ore vein runs on a 42' angle- starting at just a streak of ore which widened as it went down.
(b) Maps will be furnished after owner returns from vacation.
(c) Ore reserves are unknown.

19- The biggest disadvantage has been the road. We have spent around $10,000.00 bloncoring an access road, but it still is not in good enough condition to make the mine available to big trucks. An estimate of $5000.00 should finish road in good order. We also need more and better mining equipment.

20- For Silver, lead, zinc and copper.

21- Road- 1/4 mi. more road to be constructed and improvements made on road already made to give better access to mine.
Mine- another 150 to 200 ft. of incline to be driven. Storage bins and chutes to be constructed.
This could be done in approx. 6 months.

22- The mine is in a highly mineralized dist. and the vein is showing improvement in width and value as we follow it deeper into the mine. Also geologist report is very favorable. Maps are not available untill owner returns from vacation.

23- Estimated requirments of project:

(a) Two Muckers @ $10.00 per day	02080.00
Two Miners @ $11.00 per day	3285.00
(b) Supervisor	2400.00
(c) Gallo Frame	300.00
(d) Shop and compressor house	400.00
(e) Stoper	600.00
Drifter	950.00
Water and air hose (150 ft. of each)	50.00
Water pressure tank	75.00
Four sets of steel	52.00
(f) Compressor rent @ 125.00 per month	750.00
Hoist @ 125.00 per month	150.00
(h) Lamper oil	7.50
Compressor oil	12.00
Compressor fuel	336.00
1,000 drill bits @ .60 each	600.00
1,000 electric caps	271.00
2,000 ft. of blasting fuse	[illegible]
64 boxes of dynamite @ 11.50 per box	736.00
1/4 mile of new road, grade and stone	[illegible]
[illegible] @ 300.00	600.00
Misc. equipment	1000.00
Total...	20015.50

24- This is for a 6 month period.

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 544

Date received 5/7/51

Participation

CHRISTMAS MINING CO.

MAYER, ARIZONA

Name and address of applicant

Date April 30, 1951

FILL IN THIS BLOCK

Date of application March 17, 1951

Estimated cost $ 20015.90

Mineral or metal Mineral

Percentage of Government participation 50%

Location of mine Peck Mining District

Yavapai co, Mayer, Arizona

Date of filing MF-100 March 17, 1951

DMA Docket Number, if available DMA-544

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

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

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

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

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

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

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

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

CERTIFICATION

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

CHRISTMAS MINING CO.
(Name of company)

By Robert Rynio
(Signature of authorized official)

April 30, 1951
(Date)

Manager
(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

18- (a) Ore vein runs on a 42' angle- starting at just a streak of ore which widened as it went down.
(b) Maps will be furnished after owner returns from vacation.
(c) Ore reserves are unknown.

19- The biggest disadvantage has been the road. We have spent around $10,000.00 pioneering an access road, but it still is not in good enough condition to make the mine available to big trucks. An estimate of $5000.00 should finish road in good order. We also need more and better mining equipment.

20- For Silver, lead, zinc and copper.

21- Road- 1/4 mi. more road to be constructed and improvments made on road already made to give better access to mine.
Mine- another 150 to 200 ft. of incline to be driven.
Storage bins and chutes to be constructed.
This could be done in approx. 6 months.

22- The mine is in a highly mineralized dist. and the vein is showing improvement in width and value as we follow it deeper into the mine. Also geologist report is very favorable. Maps are not available untill owner returns from vacation.

23- Estimated requirments of project:

(a)	Two Muckers @ $10.00 per day	$2880.00
	Two Miners @ $11.20 per day	3225.60
(b)	Supervisor	2400.00
(c)	Galis Frame	300.00
(d)	Shop and compressor house	400.00
(e)	Stoper	600.00
	Drifter	950.00
	Water and air hose (150 ft. of each)	50.00
	Water pressure tank	75.00
	Four sets of steel	52.00
(g)	Compressor rent @ 125.00 per month	750.00
	Hoist @ $25.00 per month	150.00
(h)	Hammer oil	7.50
	Compressor oil	12.80
	Compressor fuel	336.00
	1,000 drill bits @ .62 each	620.00
	1,500 blasting caps	231.00
	8,000 ft. of blasting fuse	100.00
	24 boxes of dynamite @ 11.50 per box	276.00
	1/4 mile of new road, grade and widen	5000.00
	Two mine cars @ $300.00	600.00
	Misc. Repairs	1000.00
	Total	$20015.90

24- This is for a 6 month period.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT

1- Partnership
2- Bob Rynio (Mayer, Ariz.)
Orson Day (Mayer, Ariz.)
Mike Mangus (Mayer, Ariz.)
3- Not a corporation.
4- All have had 15 years experience in mining.
5- Lessee
6- Not owner.
7- Will send lease as soon as owner returns, as present lease needs more signatures for partnership.
8- So far this year we have spent $10,783.00 on this project.
X 9- Our share will have to be made or counted by reasonable labor rates and equipment now on hand.
10- The mine is 15 miles southwest of Mayer, Arizona, in the Peck Mining District, Bradshaw Mountain Range, in Yavapai County Arizona.
11-Christmas Mine Co.
12- Mine is five miles southwest of Cleator, Ariz., 15 miles from the nearest railway shipping point. with five miles dirt road, and 10 miles of gravel road.
13-(a) Water is available at all times
(b) Gasoline power and compressed air is used, amount depending on work done - around $30.00 per week.
14-One gallis frame, rail and ties, air pipes, one hoist, one compressor, two jack hammers, one fan, one mine car,
15- The ore can be shipped by truck and be milled at the Iron King Mine 25 miles away. It is a selective flotation mill.
16- History-
(a) The mine was previously worked by hand- all drilling and mining done by hand. Ore shipped at that time was was packed out on burros. At that time the mine had one 60 ft. incline and about 150 ft. of drifting. All ore mined then was very high grade but in insuffient quanitity to warrant mining on such small scale. Mining was suspended due to diffuclty in transporting the ore on burros.
(b) This mine is located in highly mineralized dist. Mines surronding it have produced very good ore in large quanitys(The Crown King, Golden Turkey, and the Iron King.)
(c) We do not have the geological reports but are able to furnish them if neccessary. Reports read that within another 100 ft. to 150 ft. down theincline we should come into a body of ore sufficient to put ona good production basis.
17- At present time all our efforts have been made in going deeper into the mine. However one 3 ton load of ore was shipped, which netted us $150.00 per ton.

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma 544

Date received 5/7/51

CHRISTMAS MINING COMPANY
Mayer, Arizona
~~AMXLR~~ M

Name and address of applicant

Date April 30, 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

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

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

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: 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)
Robert Rynio, Mayer, Ariz.	Partner						
Orson Day, Mayer, Ariz.	"						
Mike Mangus, Mayer, Ariz.	"						
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

CHRISTMAS MINING CO.
(Name of company)

By Orson Day & Robert Rynio
(Signature of authorized official)

April 30, 1951
(Date)

Manager
(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

GENERAL TECHNICAL DATA

1- Silver, Lead, Zinc and Copper
2- (a) 100 ft.
(b) 30 ft.
(c) 150 ft.
(d) 100 ft- Tunnel driven in to cross-cut vein, intersects mine shaft 25 ft. down from surface. Mine makes just enough water to drill with. No pumping problems as yet.
3- (a) 15 miles Southwest of Mayer, Arizona.
(b) Peck Mining District
(c) Bradshaw, Mountain Range.
(d) Yavapai County, Arizona
4- (a) Mine is now in operation. Operated by The Christmas Mining Co.
(b) Lessee
5- Not producing as yet.
6- 15 years mining and operating experience
7- (a) 150 ft. tunnel driven, 50 ft. incline, production unknown. Reason for suspending operations, was because there was no road into property.
(b) Iron King mine, down 1400 ft. producing approx. 800 tons daily.
(c) Recommended by geologists-- sinking 150 ft. further. Reports not available until return of owner this month. Will forward.
8- See form.
9- " "
10- " "
11- 25 tons daily, to begin.
12- Vein runs at a 42' angle and shows from 2 to 33 inches- 25 ft. wide, depth unknown.
13- 10 miles graveled road, 5 miles dirt road
14 Pollan Creek. Water sufficient for year round use.
15- Gasoline power, approx. $30.00 per week
16- One miner, and one mucker
17- One compressor rented.
One hoist, "
One drifter, "
One stoper, "
18- There are none except five miles of very poor road.

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma 544

Date received 5/7/51

[illegible]
[illegible] Dover, Delaware
[illegible]

Name and address of applicant

Date [illegible] 30, 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

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

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

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: 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)
Robert Rynio, Mayer, Ariz.	Partner						
Orson Day, Mayer, Ariz.	"						
Mike Mangus, Mayer, Ariz.	"						
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

CHRISTMAS MINING CO:
(Name of Company)

By Orson Day & Robert Rynio
(Signature of authorized official)

April 30, 1951
(Date)

Manager
(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

1- Silver, Lead, Zinc and Copper
2- (a) 100 ft.
(b) 80 ft.
(c) 150 ft.
(d) 126 ft- tunnel driver in to cross-cut vein, intersects also shaft 75 ft. down from surface. Has noticed just enough water to drill with. Is winter weather so not.
3- (a) 25 miles southwest of Tucson, Arizona.
(b) Rock Valley District
(c) Mountain range.
(d) Pima County, Arizona
4- (a) Zinc is not in operation. Control of the Arizona Mining Co.
(b) Lease
5- Not producing as yet.
6- 15 years mining and operating experience
7- (a) 150 ft. tunnel driven, 50 ft. incline, production unknown. Reason for suspending operations, was because there was no road into property.
(b) Iron King Mine, down 1400 ft. producing copper. 500 tons daily.
(c) Recommended by geologists-- sinking 150 ft. further. Reports not available until return of owner this month. Will forward.
8- Ice form.
9- " "
10- " "
11- 25 tons daily, to begin.
12- Vein runs at a 42' angle and stoes from 2 to 33 inches- 25 ft. wide, depth unknown.
13- 10 miles graveled road, 5 miles dirt road
14 Rollen Creek. Water sufficient for year round use.
15- Gasoline power, approx. $30.00 per week
16- One miner, and one tucker
17- One compressor rented.
One hoist, "
Two drifter, "
One stoper, "
18- There are none except five miles of very poor road.

dmU 544

MF-201

MORTGAGOR'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the owner is the holder of a mortgage, claim, lien, or encumbrance dated June 20 1950, ..., recorded in Book 151, page 398, of the records of the county of Yavapai, State of Arizona, upon that certain parcel of ground described in a certain Exploration Project Contract dated April 26, 1951, between Christmas Mining Company, the owner of said property and the United States of America;

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

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

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

Dated this ~~June~~ 26 day of ~~June~~ April, 1951

Robert Rynio
Robert Rynio

U. S. GOVERNMENT PRINTING OFFICE: 940767

Orson Day
Orson Day

Mike Mangus
Mike Mangus

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma/544

Date received 5/7/51

CHRISTMAS MINING COMPANY
Mayer, Arizona

Name and address of applicant

Date April 30, 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

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

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

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: 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)
Robert Rynio, Mayer, Ariz.	Partner						
Orson Day, Mayer, Ariz.	"						
Mike Mangus, Mayer, Ariz.	"						
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

CHRISTMAS MINING CO.
(Name of Company)

By Orson Day & Robert Rynio
(Signature of authorized official)

April 30, 1951
(Date)

Manager
(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

GENERAL TECHNICAL DATA

1- Silver, Lead, Zinc and Copper
2- (a) 100 ft.
(b) 30 ft.
(c) 150 ft.
(d) 100 ft- Tunnel driven in to cross-cut vein, intersects mine shaft 25 ft. down from surface. Mine makes just enough water to drill with. No pumping problems as yet.
3- (a) 15 miles Southwest of Mayer, Arizona.
(b) Rock Mining District
(c) Bradshaw, Mountain Range.
(d) Yavapai County, Arizona
4- (a) Mine is now in operation. Operated by The Christmas Mining Co.
(b) Lessee
5- Not producing as yet.
6- 15 years mining and operating experience
7- (a) 150 ft. tunnel driven, 50 ft. incline, production unknown. Reason for suspending operations, was because there was no road into property.
(b) Iron King mine, down 1400 ft. producing approx. 300 tons daily.
(c) Recommended by geologists-- sinking 150 ft. further. Reports not available until return of owner this month. Will forward.
8- See form.
9- " "
10- " "
11- 25 tons daily, to begin.
12- Vein runs at a 42' angle and shows from 2 to 33 inches-25 ft. wide, depth unknown.
13- 10 miles graveled road, 5 miles dirt road
14 Pollen Creek. Water sufficient for year round use.
15- Gasoline power, approx. $30.00 per week
16- One miner, and one sucker
17- One compressor rented.
One hoist, "
One drifter, "
One stoper, "
18- There are none except five miles of very poor road.

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 544

Date received 5/7/51

Participation

CHRISTMAS MINING CO.
MAYER, ARIZONA

Name and address of applicant

Date April 30, 1951

FILL IN THIS BLOCK

Date of application March 17, 1951

Estimated cost $ 20015.90

Mineral or metal Mineral

Percentage of Government participation 50%

Location of mine Rock Mining District
Yavapai co, Mayer, Arizona

Date of filing MF-100 March 17, 1951

DMA Docket Number, if available DMA-544

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

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

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

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

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons. State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

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

*16. History:

(*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.

(*b*) State briefly the known history and production of adjoining and neighboring properties.

(*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

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

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

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

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

(*b*) Submit available maps and assay data.

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

(*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.

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

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

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.

(*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.

(*f*) Cost of rental for equipment which the operator proposes to rent.

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.

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

(*i*) Cost of power, water, utilities, and any other items not provided for above.

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

CERTIFICATION

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

CHRISTMAS MINING CO
(Name of company)

By Robert Day +
(Signature of authorized official)

April 30, 1951
(Date)

Manager
(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

[illegible]

1- Port Gorrie
2- Bob Lynio (Mayer, Ariz.)
Orson Ray (Mayer, Ariz.)
Mike Vasque (Mayer, Ariz.)
3- Not a corporation.
4- All have had 15 years experience in mining.
5- Lessee
6- Not owner.
7- All said lease as soon as owner returns, no proceed lease needs more signatures for Portgorrie.
8- So far this year we have spent $10,[illegible] on this project.
9- We three will have to raise [illegible] by reasonable labor rates and equipment [illegible].
10- The mine is 15 miles northwest of Mayer, Arizona, in the Jack Mining District, Bradshaw Mountain range, in Yavapai County Arizona.
11-Christmas Mine Co.
12- Mine is five miles southwest of Glooter, Ariz., 15 miles from the nearest railway shipping point. with five miles dirt road, and 10 miles of gravel road.
13-(a) Water is available at all times
(b) Gasoline power and compressed air is used, amount depending on work done - around $30.00 per week.
14-One gallin frame, rail and ties, air pipes, one hoist, one compressor, two jack hammers, one fan, one mine car,
15- The ore can be shipped by truck and be milled at the Iron King Mine 25 miles away. It is a selective flotation mill.
16- History-
(a) The mine was previously worked by hand- all drilling and mining done by hand. Ore shipped at that time was ore packed out on burros. At that time the mine had one 60 ft. incline and about 150 ft. of drifting. All ore mined then was very high grade but in insuffient quantity to warrant mining on such small scale. Mining was suspended due to difficulty in transporting the ore on burros.
(b) This mine is located in highly mineralized dist. Mines surrounding it have produced very good ore in large quantity(The Crown King, Golden Turkey, and the Iron King.)
(c) We do not have the geological reports but are able to furnish them if necessary. Reports read that within another 100 ft. to 150 ft. down theincline we should come into a body of ore sufficient to put one good production basis.
17- At present time all our efforts have been made in going deeper into the mine. However one 3 ton load of ore was shipped, which netted us $150.00 per ton.

18- (a) Ore vein runs on a 42' angle- starting at just a streak of ore which widened as it went down.
(b) Maps will be furnished after owner returns from vacation.
(c) Ore reserves are unknown.

19- The biggest disadvantage has been the road. We have spent around $10,000.00 pioneering an access road, but it still is not in good enough condition to make the mine available to big trucks. An estimate of $5000.00 should finish road in good order. We also need more and better mining equipment.

20- For Silver, lead, zinc and copper.

21- Road- 1/4 mi. more road to be constructed and improvments made on road already made to give better access to mine.
Mine- another 150 to 200 ft. of incline to be driven.
Storage bins and chutes to be constructed.
This could be done in approx. 6 months.

22- The mine is in a highly mineralized dist. and the vein is showing improvement in width and value as we follow it deeper into the mine. Also geologist report is very favorable. Maps are not available untill owner returns from vacation.

23- Estimated requirments of project:

(a)	Two Muckers @ $10.00 per day	$2880.00
	Two Miners @ $11.20 per day	3225.60
(b)	Supervisor	2400.00
(c)	Galis Frame	300.00
(d)	Shop and compressor house	400.00
(e)	Stoper	600.00
	Drifter	950.00
	Water and air hose (150 ft. of each)	50.00
	Water pressure tank	75.00
	Four sets of steel	52.00
(g)	Compressor rent @ 125.00 per month	750.00
	Hoist @ $25.00 per month	150.00
(h)	Hammer oil	7.50
	Compressor oil	12.80
	Compressor fuel	336.00
	1,000 drill bits @ .62 each	620.00
	1,500 blasting caps	231.00
	8,000 ft. of blasting fuse	100.00
	24 boxes of dynamite @ 11.50 per box	276.00
	1/4 mile of new road, grade and widen	5000.00
	Two mine cars @ $300.00	600.00
	Misc. Repairs	1000.00
	Total...	$20015.90

24- This is for a 6 month period.

Form MF-106
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma 544

Date received 5/7/51

CHRISTMAS MINING COMPANY
Mayer, Arizona
/XXXX M

Name and address of applicant

Date April 30, 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

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

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

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: 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)
Robert Rynio, Mayer, Ariz.	Partner						
Orson Day, Mayer, Ariz.	"						
Mike Mangus, Mayer, Ariz.	"						
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

CHRISTMAS MINING CO.
(Name of company)

By Orson Day & Robert Rynio
(Signature of authorized official)

April 30, 1951
(Date)

Manager
(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

GENERAL TECHNICAL DATA

1- Silver, Lead, Zinc and Copper
2- (a) 100 ft.
(b) 30 ft.
(c) 150 ft.
(d) 100 ft- Tunnel driven in to cross-cut vein, intersects mine shaft 25 ft. down from surface. Mine makes just enough water to drill with. No pumping problems as yet.
3- (a) 15 miles Southwest of Mayer, Arizona.
(b) Peck Mining District
(c) Bradshaw, Mountain Range.
(d) Yavapai County, Arizona
4- (a) Mine is now in operation. Operated by The Christmas Mining Co.
(b) Lessee
5- Not producing as yet.
6- 15 years mining and operating experience
7- (a) 150 ft. tunnel driven, 50 ft. incline, production unknown. Reason for suspending operations, was because there was no road into property.
(b) Iron King mine, down 1400 ft. producing approx. 800 tons daily.
(c) Recommended by geologists-- sinking 150 ft. further. Reports not available until return of owner this month. Will forward.
8- See form.
9- " "
10- " "
11- 25 tons daily, to begin.
12- Vein runs at a 42' angle and shows from 2 to 33 inches- 25 ft. wide, depth unknown.
13- 10 miles graveled road, 5 miles dirt road
14 Pollan Creek. Water sufficient for year round use.
15- Gasoline power, approx. $30.00 per week
16- One miner, and one mucker
17- One compressor rented.
One hoist, "
One drifter, "
One stoper, "
18- There are none except five miles of very poor road.

Owner 5 yrs (Pecos)

956

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 544

Date received 5/7/51

Participation

CHRISTMAS MINING CO.
MAYER, ARIZONA

Name and address of applicant

Date April 30, 1951

FILL IN THIS BLOCK

Date of application March 17, 1951

Estimated cost $ 20015.90

Mineral or metal Mineral

Percentage of Government participation 50%

Location of mine Peck Mining District
Yavapai co, Mayer, Arizona

Date of filing MF-100 March 17, 1951

DMA Docket Number, if available DMA-544

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

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

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

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

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

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

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

*18. Ore or mineral reserves; (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

CERTIFICATION

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

CHRISTMAS MINING CO.
(Name of company)

By Orson Day +
(Signature of authorized official)
Robert Rynio

April 30, 1951
(Date)

Manager
(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

APPLICATION FOR AID FOR AN EXPLORATION PROJECT

1- Partnership
2- Bob Rynio (Mayer, Ariz.)
Orson Ray (Mayer, Ariz.)
Mike Jangus (Mayer, Ariz.)
3- Not a corporation.
4- All have had 15 years experience in mining.
5- Lessee
6- Not owner.
7- Will send lease as soon as owner returns, as present lease needs more signatures for partnership.
8- So far this year we have spent $10,783.00 on this project.
9- Our share will have to be made or counted by reasonable labor rates and equipment now on hand.
10- The mine is 15 miles southwest of Mayer, Arizona, in the Rock Mining District, Bradshaw Mountain Range, in Yavapai County Arizona.
11-Christmas Mine Co.
12- Mine is five miles southwest of Glooter, Ariz., 15 miles from the nearest railway shipping point. with five miles dirt road, and 10 miles of gravel road.
13-(a) Water is available at all times
(b) Gasoline power and compressed air is used, amount depending on work done - around $30.00 per week.
14-One gallis frame, rail and ties, air pipes, one hoist, one compressor, two jack hammers, one fan, one mine car,
15- The ore can be shipped by truck and be milled at the Iron King Mine 25 miles away. It is a selective flotation mill.
16- History-
(a) The mine was previously worked by hand- all drilling and mining done by hand. Ore shipped at that time was was packed out on burros. At that time the mine had one 60 ft. incline and about 150 ft. of drifting. All ore mined then was very high grade but in insuffient quanitity to warrant mining on such small scale. Mining was suspended due to diffuclty in transporting the ore on burros.
(b) This mine is located in highly mineralized dist. Mines surrounding it have produced very good ore in large quanitys(The Crown King, Golden Turkey, and the Iron King.)
(c) We do not have the geological reports but are able to furnish them if necessary. Reports read that within another 100 ft. to 150 ft. down theincline we should come into a body of ore sufficient to put one good production basis.
17- At present time all our efforts have been made in going deeper into the mine. However one 3 ton load of ore was shipped, which netted us $150.00 per ton.

18- (a) Ore vein runs on a 42' angle- starting at just a streak of ore which widened as it went down.
(b) Maps will be furnished after owner returns from vacation.
(c) Ore reserves are unknown.

19- The biggest disadvantage has been the road. We have spent around $10,000.00 pioneering an access road, but it still is not in good enough condition to make the mine available to big trucks. An estimate of $5000.00 should finish road in good order. We also need more and better mining equipment.

20- For Silver, lead, zinc and copper.

21- Road- 1/4 mi. more road to be constructed and improvements made on road already made to give better access to mine.
Mine- another 150 to 200 ft. of incline to be driven. Storage bins and chutes to be constructed.
This could be done in approx. 6 months.

22- The mine is in a highly mineralized dist. and the vein is showing improvement in width and value as we follow it deeper into the mine. Also geologist report is very favorable. Maps are not available untill owner returns from vacation.

23- Estimated requirments of project:

(a) Two Muckers @ $10.00 per day.....	$2080.00
Two Miners @ $11.20 per day.....	3225.60
(b) Supervisor.....	2400.00
(c) Gallis Frame.....	300.00
(d) Shop and compressor house.....	400.00
(e) Stoper.....	600.00
Drifter.....	950.00
Water and air hose (150 ft. of each).....	50.00
Water pressure tank.....	75.00
Four sets of steel.....	52.00
(g) Compressor rent @ 125.00 per month.....	750.00
Hoist @ 25.00 per month.....	150.00
(h) Hammer oil.....	7.50
Compressor oil.....	12.80
Compressor fuel.....	336.00
1,000 drill bits @ .62 each.....	620.00
1,500 blasting caps.....	231.00
8,000 ft. of blasting fuse.....	100.00
24 boxes of dynamite @ 11.50 per box.....	276.00
1/4 mile of new road, grade and widen.....	5000.00
Two mine cars @ $300.00	600.00
Misc. Repairs.....	1000.00
Total...	$20015.90

24- This is for a 6 month period.

FILE COPY
SURNAME:

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

APR 12 1951

Mr. Robert R. Rynio
Christmas Mining Company
Mayer, Arizona

In reply please
refer to DMA-544

Dear Mr. Rynio:

One of the purposes of the Defense Production Act of 1950 is the encouragement of exploration, development and mining of strategic minerals and metals. Where an applicant has proven reserves of strategic mayerials, Federal aid in mining can be given through procurement contracts for such materials as are in short supply. On the strength of these contracts, the applicant can obtain private financing in most instances.

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

A review of your application (DMA-544) for financial aid in developing your mine in Yavapai County, Arizona indicates that an exploration program for the purpose of blocking out the ore reserves on your property would be desirable. If the exploratory work shows that there is a sufficient proven reserve of strategic materials which are needed for national security, a procurement contract can be negotiated with the Government. With such a contract as collateral private sources could be approached for a loan which would be guaranteed by the Federal Reserve Bank.

Before we can proceed further with consideration of your application, which may or may not require a field examination, please indicate your willingness to provide your share of the funds needed to carry out the proposed exploration. A specific proposal or plan for the work you wish to undertake should accompany your reply if you wish to participate.

EJLyons:bsp
G 3/26/51

Very truly yours,

Otto Herres

OTTO HERRES, Chief
Lead-Zinc Branch

Copies to: Chief, Lead-Zinc Branch
USGS McKnight
L. B. Moon
R. H. Mote
2 copies to J. H. East, Jr.
Exec. Officer, Region IV

Enclosures

L. F. Strobel
C. O. Mittendorf
Files