DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1502

DO NOT DETACH THIS SLIP

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

This document has been recorded as

Exploration Loan (actually is straight loan)

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

Routing Slip

To:	SUPPLY DIVISION	Date	AUG 22 1951
To:	210	Date	AUG 23 1951
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DO NOT DETACH

CONTROLLED DOCUMENT

DMA Form 2

DEFENSE MINERALS ADMINISTRATION
Status Change Notice

DMA Docket No. 1502-X

To: Reports and Records Branch Ted B. Russell

From: LEAD ZINC BRANCH

Date: JUL 6 1951

The following action has been taken this date on the above Controlled Document.

Forwarded to

Type of request changed to:

Denied ☐ Withdrawn ☐

Approved in amount of $

Other action, specify:

On hand - to be denied

FILE COPY
SURNAME:

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION AUG 24 1951
WASHINGTON 25, D. C.

McKinnell
O'Leary
(See note)
Johnson.

a.e.c

Memorandum

Re: DMA-1502X
Ted B. Russell
Rickardite Mine
Organ District, N. M.
Straight loan $10,000
Zinc, lead, copper

To: Reports and Records Unit
Administrative Management Div.

From: Chief, Lead-Zinc Branch

Subject: Denial of loan

Property lies within a restricted area adjacent to White Sands proving ground in New Mexico. The Army, in reply to a letter from DMA in April, 1951, concerning the Merrimac mine which lies just west of the Rickardite, implies that although mining is being tolerated in this area at present, condemnation and ejection proceedings may be expected at anytime. Copy of the pertinent letter is attached.

Although applicant has applied on the exploration form, his application is obviously for a mining loan for production. He mined about 60 tons of ore during 3 months in 1948 but owing to the break in price, presumably in early 1949, this ore was not shipped until may 1951. This mining represents the only work done on the property since it was examined by the Geological Survey in 1943. At that time very little ore had been proven; the chief ore showings were in the rear 40 feet of the main inclined drift, and in the rear 20 feet or so of the No. 2 inclined drift. The ore was in pockets and lenses replacing dolomite within zones 3-4 feet thick, although the replacement was by no means continuous within these zones. Individual lenses were rich so that a hand sorted ore was very high grade. The 34 tons shipped during World War II, according to the applicant, ran 18.6 per cent lead and 23.0 per cent zinc. The Geological Survey's appraisal in 1943 was that the ore could not be economically extracted owing to the mining conditions whereby the ore would have to be brought up a crooked inclined drift to get it out. The mining difficulties are indicated by the mining experience of the applicant, whose production rate in 1948 was 20 tons of ore per month for 3 months.

A geologic report on the mine by K. C. Dunham, published by the New Mexico Bureau of Mines and Mineral Resources in 1935, gives an unfavorable report on this mine. This report described only the No. 2 workings, and says that this working "has exposed many small irregular

masses of pyrite-sphalerite ore, the largest of which does not appear to exceed 10 feet in dip length or 2 feet in thickness. The nature of the ore makes it uneconomic. No further work on the zinc ores would be justified".

It appears evident that the proven tonnage of ore is small and that there is some question as to whether the exposed ore can be economically mined under present unfavorable mining conditions. This, combined with the uncertainty as to how long the Army will tolerate operation within the area, indicates considerable uncertainty as to whether a loan could be repaid. The applicant admits that he is not an experienced operator. It is therefore recommended that the application be denied, and that the attached letter be sent to applicant.

Returned herewith are:

2 copies of MF-100
3 copies of MF-103
1 copy of a 3 page report by applicant on the Rickardite Mines Group.

SIGNED

T. P. Billings, Chief
Lead-Zinc Branch

J.F. 8/24

Approved:
Tom Lyon

Director, Supply Division

ETMcKnight:emp
G 8-20-51
Copies to: J. H. East, Jr. Region IV (2)
Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
R. H. Mote
Reports & Records Unit
Directors r. file 4214 GSA
Br. r. file 4214 GSA
Files

AUG 24 1951

Memorandum

Re: DMA-150PA
Ted R. Russell
Rickardite Mine
Organ District, N. M.
Straight loan $10,000
Zinc, lead, copper

To: Reports and Records Unit
Administrative Management Div.

From: Chief, Lead-Zinc Branch

Subject: Denial of loan

Property lies within a restricted area adjacent to White Sands proving ground in New Mexico. The Army, in reply to a letter from us in April, 1951, concerning the Merrimac mine which lies just west of the Rickardite, implies that although mining is being tolerated in this area at present, condemnation and ejectment proceedings may be expected at anytime. Copy of the pertinent letter is attached.

Although applicant has applied on the exploration form, his application is obviously for a mining loan for production. He mined about 60 tons of ore during 3 months in 1940 but owing to the drop in price, presumably in early 1949, this ore was not shipped until May 1951. This mining represents the only work done on the property since it was examined by the Geological Survey in 1945. At that time very little ore had been proven; the chief ore showings were in the rear 40 feet of the main inclined drift, and in the rear 20 feet or so of the No. 2 inclined drift. The ore was in pockets and lenses replacing dolomite within zones 3-4 feet thick, although the replacement was by no means continuous within these zones. Individual lenses were rich so that a hand sorted ore was very high grade. The 34 tons shipped during April 51, according to the applicant, ran 1.60 per cent lead and 23.0 per cent zinc. The Geological Survey's appraisal in 1945 was that the ore could not be economically extracted owing to the mining conditions whereby the ore would have to be brought up a crooked inclined drift to get it out. The mining difficulties are emphasized by the mining experience of the applicant, whose production rate in 1940 was 20 tons of ore per month for 3 months.

A geologic report on the mine by L. C. Dunham, published by the New Mexico Bureau of Mines and Mineral Resources in 1935, gives an unfavorable report on this mine. This report described only the No. 2 working, and says that this working "has exposed only small irregular

masses of pyrite-sphalerite ore, the largest of which does not appear to exceed 10 feet in dip length or 2 feet in thickness. The nature of the ore makes it uneconomic. No further work on the zinc ores would be justified".

It appears evident that the proven tonnage of ore is small and that there is some question as to whether the exposed ore can be economically mined under present unfavorable mining conditions. This, combined with the uncertainty as to how long the Army will tolerate operation within the area, indicates considerable uncertainty as to whether a loan could be repaid. The applicant admits that he is not an experienced operator. It is therefore recommended that the application be denied, and that the attached letter be sent to applicant.

Recommend herewith are:

2 copies of F-100
2 copies of F-103
1 copy of a 3 page report by applicant on the Kirkerdite Mines Group.

SIGNED

[illegible] Billings, Chief
Lead-Zinc Branch

Approved

[illegible]

Director, Supply Division

[illegible]Knightsmp
[illegible]
Copies to: J. R. [illegible], Jr. Region IV (C)
Chief, Lead-Zinc Br.
L. I. Knight [illegible]
R. M. [illegible]
Reports & Records Unit
Directors r. file [illegible]
Dr. r. file [illegible]
Files

DEPARTMENT OF THE ARMY

OFFICE OF THE CHIEF OF LEGISLATIVE LIAISON

WASHINGTON 25, D. C.

May 16, 1951 COPY

Mr. James Boyd
Administrator
Defense Minerals Administration
United States Department of the Interior
Washington 25, D. C.

Dear Mr. Boyd:

Permit me to make further reference to your letter of April 19th relative to correspondence received from Mr. Ira L. Wright concerning the operating rights of the Derimac Mine in Orogrande Project, adjoining White Sands Proving Ground, New Mexico.

The minimum requirements for this project were, prior to their establishment, coordinated with all parties interested, including the New Mexico Cattle Growers' Association and the New Mexico Miners' and Prospectors' Association. The Derimac Mining Claim lies 1½ miles inside the westerly perimeter of the project and is within the boundaries of a reach of which the Government has exclusive use. It lies in an area considered very dangerous for occupancy because of military experiments.

The acquisition of unpatented mining claims on public domain lands in the State of New Mexico is dependent upon receiving determinations of validity on such claims by the Department of the Interior. The validity of this claim was ascertained only very recently. Accordingly, the owners were not heretofore approached in an effort to obtain an exclusive use agreement to replace the co-use arrangement now in effect. Appraisals of these properties, however, are now being completed and the owners will receive an offer at an early date for the exclusive use of the Derimac Claim and two adjacent similar properties. This offer will be based on the current appraised market value thereof.

It is considered that granting of permission to the owners of the Derimac Claim to continue mining operations would require exclusion of the area from the military boundaries and it is considered that this action would very materially diminish the usefulness of the project which was established on a minimum basis for the combined military establishment.

Mr. James Boyd May 16, 1951

I trust that the above information will enable you to more fully understand the Department of the Army's position in this matter and will permit you to furnish Mr. Wright of the Merimac Mine the information desired.

Sincerely yours,

T. A. YOUNG
Assistant to the Chief

FILE COPY
SURNAME:

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

AUG 24 1951

McKnight
O'Leary
(Mote)
Johnson

Re: DMA-1502X

G.E.C

Mr. Ted B. Russell
Box 262
Truth or Consequences, New Mexico

Dear Mr. Russell:

Your application for a Government loan of $10,000 to finance production from the Rickardite mine has been reviewed by the Defense Minerals Administration.

At the request of Mr. Ira L. Wright, operator of the Merrimac mine to the west of your mine, the Defense Minerals Administration made a special plea to the Army Department last April, urging that the Army defer any steps that might be taken that would close the zinc-lead mines working within the "Ordcit project". The reply from the Army was not favorable. There was an implication that although the mining operations were being tolerated at present, condemnation and ejection proceedings might be taken at any time. I regret, therefore, that we do not believe it advisable to recommend a mining loan on your property.

Although your application for a loan was presented on the form used for exploration loans which requires 50 per cent participation in expenses on the part of the applicant, the body of your application shows that you are not proposing exploration but are seeking a straight production loan of the full amount requested. Such funds would have to be obtained from the R. F. C. on the recommendation of Defense Minerals Administration, and would require a certification on our part of proven ore reserves. The Rickardite mine was examined by Government geologists during the last war, and although the high grade of some of the ore that you cite is confirmed, the evidence was insufficient for establishing any significant minable tonnage of proven ore.

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

Very truly yours,
Tom Lyon
J.F. 8/24

ETMcKnight:emp
G 8-21-51
Copies to: J. H. East, Jr. Region IV (2)
Chief, Lead-Zinc Br.
E. T. McKnight
R. H. Mote
Records & Reports
Directors r. file 4214 GSA
Br. r. file 4214 GSA
Files

Tom Lyon, Director
Supply Division
4204 GSA

AUG 2 4 1951

Res DMA-1,002X

Mr. Ted H. Russell
Box 262
Truth or Consequences, New Mexico

Dear Mr. Russell:

Your application for a Government loan of $10,000 to finance production from the Nickerdite mine has been reviewed by the Defense Minerals Administration.

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

Very truly yours,

Tom Lyon

[illegible]
[illegible]
Copies to: [illegible] Director
Chief, Lead-Zinc Supply Division
[illegible] T. Moonight
[illegible]
[illegible] Note
Records & Reports
Directors r. file [illegible]
Br. r. file [illegible]
Files

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

AUG 24 1951

G. E. C.

Memorandum

To: Reports and Records Unit
Administrative Management Div.

From: Chief, Lead-Zinc Branch

Subject: Denial of loan

Re: DMA-1502X
Ted B. Russell
Rickardite Mine
Organ District, N. M.
Straight loan $10,000
Zinc, lead, copper

Property lies within a restricted area adjacent to White Sands proving ground in New Mexico. The Army, in reply to a letter from DMA in April, 1951, concerning the Merrimac mine which lies just west of the Rickardite, implies that although mining is being tolerated in this area at present, condemnation and ejection proceedings may be expected at any time. Copy of the pertinent letter is attached.

Although applicant has applied on the exploration form, his application is obviously for a mining loan for production. He mined about 60 tons of ore during 3 months in 1948 but owing to the break in price, presumably in early 1949, this ore was not shipped until may 1951. This mining represents the only work done on the property since it was examined by the Geological Survey in 1943. At that time very little ore had been proven; the chief ore showings were in the rear 40 feet of the main inclined drift, and in the rear 20 feet or so of the No. 2 inclined drift. The ore was in pockets and lenses replacing dolomite within zones 3-4 feet thick, although the replacement was by no means continuous within these zones. Individual lenses were rich so that a hand sorted ore was very high grade. The 34 tons shipped during World War II, according to the applicant, ran 18.6 per cent lead and 23.0 per cent zinc. The Geological Survey's appraisal in 1943 was that the ore could not be economically extracted owing to the mining conditions whereby the ore would have to be brought up a crooked inclined drift to get it out. The mining difficulties are indicated by the mining experience of the applicant, whose production rate in 1948 was 20 tons of ore per month for 3 months.

A geologic report on the mine by K. C. Dunham, published by the New Mexico Bureau of Mines and Mineral Resources in 1935, gives an unfavorable report on this mine. This report described only the No. 2 workings, and says that this working "has exposed many small irregular

masses of pyrite-sphalerite ore, the largest of which does not appear to exceed 10 feet in dip length or 2 feet in thickness. The nature of the ore makes it uneconomic. No further work on the zinc ores would be justified".

It appears evident that the proven tonnage of ore is small and that there is some question as to whether the exposed ore can be economically mined under present unfavorable mining conditions. This, combined with the uncertainty as to how long the Army will tolerate operation within the area, indicates considerable uncertainty as to whether a loan could be repaid. The applicant admits that he is not an experienced operator. It is therefore recommended that the application be denied, and that the attached letter be sent to applicant.

Returned herewith are:

2 copies of MF-100
3 copies of MF-103
1 copy of a 3 page report by applicant on the Rickardite Mines Group.

T. P. Billings by E. J.
T. P. Billings, Chief
Lead-Zinc Branch

Approved:
Tom Lyon
Director, Supply Division

DEPARTMENT OF THE ARMY
OFFICE OF THE CHIEF OF LEGISLATIVE LIAISON

WASHINGTON 25, D. C.

May 16, 1951 COPY

Mr. James Boyd
Administrator
Defense Minerals Administration
United States Department of the Interior
Washington 25, D. C.

Dear Mr. Boyd:

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Mr. James Boyd

May 16, 1951

I trust that the above information will enable you to more fully understand the Department of the Army's position in this matter and will permit you to furnish Mr. Wright of the Merimac Mine the information desired.

Sincerely yours,

T. A. YOUNG
Assistant to the Chief

Defense Minerals Administration
Reference Slip

Date 6-7-51

To: 1. Mr. Herres

2.

3.

4.

DMA 1502X

For Action ✓
Reply
Information
Remarks:

Sender Strobel
a. 8.

3
Mr. Strobel

DMA 1502X

Forwarded to

Branch

Date

Sender

2
Mr. Strobel

DMA 1502X

Forwarded to

Branch

Date

Sender

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA 1502 X

Date received 6-1-51

Participation

TED B. RUSSELL
Box 262
Truth or Consequences,
New Mexico

Name and address of applicant

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28, 1951

Estimated cost $10,000.00

Mineral or metal Lead & Zinc

Percentage of Government participation $10,000.00

Location of mine Section 29, T. 21 S. R. 4E. Organ Mining District, Dona Ana County, New Mexico.

Date of filing MF-100

DMA Docket Number, if available 1502 X

INSTRUCTIONS

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

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Individual

*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. Answers on MF-100.

*5. Are you the owner or the lessee of the property? Owner

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. None

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. Cannot Comply.

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)? $10,000.00 - Yes

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

16—64067-1

JUN 7 1951

5

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.

Rickardite Mines Group (Name of company) By Ted B. Russell (Signature of authorized official)

May 28, 1951 (Date) Owner (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

ANSWERS IN CONCLUSION

10. Section 29, Tnsp. 21 S.R. 4E. Organ Mining District, Dona Ana County N. Mex. dba Rickardite Mines Group.
(b) Same

11. The property has gone by the name of Rickardite since being patented in 1919. Still goes by the name of Rickardite.

12. Property is located approximately 2½ miles north of Organ, N. Mex. and 17 miles N. E. of Las Cruces, N. Mex. The Santa Fe railroad goes through this town and delivers ore by rail to Deming, N. Mex. from Las Cruces, a distance of 63 miles.
The road up to Organ is black top and the 2½ miles to the property is a ranch road covered with gravel. Both roads are in excellent condition. Due to this hauling rates could be kept to a minimum.

13. Water is of an artesian nature, and in available quantities for any kind of an operation. The power rate is not known at this time, but the R.E.A. has just completed a single phase line to Organ. However if the operation will justify it no doubt there will be another line run out to Organ for a three phase operation for heavy equipment.

14. None

15. Ore can be shipped from mine to Las Cruces by truck and from Las Cruces to Deming by rail, where it would be milled.

16. Enclosed report will furnish most if not all of this information.

17. Mine is not in production. Produced in 1948 and am now getting ore ready to ship to Deming, N. Mex. to the mill.

18. The enclosed report mentioned in answer 16 is all that I have and in (c) of 18, this I cannot answer accurately.

19. The property is located near the White Sands Proving Grounds. This is a condition that has had most of the operators in this vicinity in a state of confusion. However those who operated in the past and those who are now operating are not molested in any way. These metals and minerals are needed by our Government for our war effort, and those owners who have good properties that they themselves have explorated and developed withtheir own money should be given encouragement by assistance to produce and produce immediately. In my own case I can begin Production at once. The assistance I am applying for is to begin production.

20. In an exploration operation the minerals explored for would be Lead, Zinc and Silver.

21. This exploration work could be completed in approximately one year.

22. I do not have a Geological map, and the report mentioned in answer 16 is as close as I can come to it at present.

ANSWERS IN CONCLUSION

23. (a) Four miners and four muckers - No mill men
Miners wages at $12.00 per day and muckers at $8.00 per day.
(b) One supervisor with wage of $16.00 per day.
(c) There are no existing facilities.
(d) Approximately ~~$2,000.00~~ $1,000.00
(e) Approximately $5,000.00. This figure represents the price of a compressor of adequate capacity and a double drum hoist. These are for operation in two tunnels approximately 200 feet ~~xxxx~~ apart.
(f) Operator does not propose to rent any equipment.
(g) Operator does not own any equipment.
(h) Approximately $1,000.00
(i) Approximately $2,000.00

24. Atime schedule of the project is that immediately after the project is approved production will begin immediately. I expect to progress with the utmost speed in regards to production and with all the speed one can safely use in a mine production operation. The first $1,000.00 is to be used for installations to care and cover equipment and tools from the weather. It may be that a sleeping quarters may be erected for a watch man. The men would have modern facilities either in Las Cruces or Organ. The $5,000.00 will be used to purchase a compressor of adequate size and with capacity suitable to an operation of this size, also a two drum hoist which like the compressor would be used to keep two openings operating, tThese two openings are approximately 200 feet apart. This would include air lines, reserve tanks, four hammers. pipe of 3/4 inch for a water line to hammers and 2" pipe for air lines to hammers, a blower and 4" duct pipe for ventelating the tunnel.The second $1,000.00 would go to cover those unforeseen incidentals always entering intooan operation of any kind. The $2,000.00 is to be used in building a shoot for the ore coming out of No. 2 tunnel which is approximately 75 feet higher up the hill than No. 1. This would build the ore shoot and also the box or hopper for the ore to be placed until it can be loaded in a truck for shipment to the mill at Deming, N. Mex. The hopper and and the end of the ore shoot will be placed on the level of No. 1. I have built a road up to the opening of No. 1 tunnel and constructed a turn around for trucks, so all operations would center around No.1. This would leave a $1,000.00 to guarantee workman their salaries in producing another carload of ore. This all amounts to the $10,000.00 needed in the production operation of the Rickardite Mines Group.

May 28, 1951

Signed Ted B. Russell
Ted B. Russell - Owner
Rickardite Mines Group
Consisting of one patented and two unpatented mining claims.

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

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 1502X

Date received 6-1-51

Participation

Name and address of applicant

Date May 25, 1951

FILL IN THIS BLOCK

Date of application May 25, 1951

Estimated cost $20,000.00

Mineral or metal Lead & Zinc

Percentage of Government participation $20,000.00

Location of mine Section 25, T.22 S., R. [illegible] Mining District, [illegible] County, [illegible].

Date of filing MF-100

DMA Docket Number, if available 1502X

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

Individual

*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 PI

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.

Rickardite Mines Group
(Name of company)

By Ted B. Russell
(Signature of authorized official)

May 28, 1956
(Date)

Owner
(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

10. Section [illegible], [illegible] District, [illegible] County, [illegible] Texas. [illegible] Mining Company.
(b) [illegible]

11. The property has been by the name of Intermillite since being patented in 1910. Still [illegible] by the name of Intermillite.

12. Property is located approximately [illegible] miles north of Orean, [illegible] and 17 miles [illegible] of Las Cruces, [illegible]. The route is all good roads through this town and delivers ore by rail to [illegible], [illegible] from Las Cruces, a distance of 3 miles.
The road up to Orean is black top and the 3 miles to the property is a much road covered with gravel. Both roads are in excellent condition. Due to this hauling rates could be kept to a minimum.

13. Water is of an potash nature, and in available quantities for any kind of mining operation. The power rate is not known at this time, but the operation will justify it no doubt there will be about one line from [illegible] one

14. [illegible] Cruces by truck and from Las Cruces to [illegible] by rail, where it would be milled.

15. Enclosed report will furnish most if not all of this information.

17. Mine is not in production. Prospected in 19[illegible] and [illegible] nothing done [illegible] to ship to [illegible], [illegible] or [illegible] Mill.

18. The grade of ore mentioned in answer 1[illegible] is all that I have and in (c) of 18, this I cannot answer even [illegible].

19. The property is located near the [illegible] roads. This is a [illegible] most of the operators in the vicinity in a state of confusion. However those who operated in the past and those who are [illegible] are not affected in any way. Some details [illegible] made by the government for [illegible] effort, and those owners who have [illegible] properties that they [illegible] have developed [illegible] would be given encouragement by assistance in [illegible] and [illegible] Personally, in case I can begin production at once. The assistance I am applying for is to begin production.

20. In an operation the [illegible] explored for would be road, fine [illegible] gravel.

21. [illegible] could be completed in a [illegible] year.

22. [illegible] report referred in answer 1[illegible] is [illegible] to it [illegible].

23. (a) [illegible] men - [illegible] fill men [illegible] wages at 12.00 per day and muckers at [illegible].00 per day.
(b) One supervisor with wage of 1[illegible].00 per day.
(c) There are no existing facilities.
(d) Approximately ~~XXXXXXX~~ 1,000.00
(e) Approximately [illegible],000.00. This figure represents the price of a compressor of adequate capacity and a double drum hoist. These are for operation in two tunnels approximately 200 feet ~~xxxx~~ apart.
(f) Operator does not propose to buy any equipment.
(g) Operator does not own any equipment.
(h) Approximately 1,000.00
(i) Approximately [illegible],000.00

24. The schedule of the project is that immediately after the project is approved production will begin immediately. I expect to progress with the utmost speed in regards to production and with all the speed one can safely use in a mine production operation. The first 1,000.00 is to be used for installations to care and cover equipment and tools from the weather. It may be that a sleeping quarters may be erected for a watchman. The men would have modern facilities either in Las Cruces or Organ. The [illegible],000.00 will be used to purchase a compressor of adequate size and with capacity sufficient to an operation of this size. Also a two drum hoist which like the compressor would be used to keep two operations operating. These two openings are approximately 200 feet apart. This would include air lines, reservoir tanks, four large 3/4 inch pipe of 3/4 inch for a water line to harrors and [illegible] for air lines to harrors, [illegible] and [illegible]" duct pipe for ventilating the tunnel. The second 1,000.00 would go to cover those unforeseen incidentals always on tering into an operation of any kind. The [illegible]2,000.00 is to be used in building a shoot for the ore coming out of No. 2 tunnel which is approximately 7[illegible] feet higher up the hill than No. 1. This would build the ore shoot and also the box or hopper for the ore to be placed until it can be loaded in a truck for shipment to the mill at [illegible]. The hopper and and the end of the ore shoot will be placed on the level of No. 1. I have built a road up to the opening of No. 1 tunnel and constructed a turn around for trucks, so all operations would cost approximately [illegible]. This would leave a [illegible] 1,000.00 to [illegible] workmen their salaries in production other expenses. In all amounts to the [illegible]0,000.00 needed in the production operation of the [illegible] lead group.

May 2[illegible], 19[illegible]

Signed Ted B. Russell
Ted B. Russell - [illegible]
[illegible] consisting of one patent [illegible] and two unpatented [illegible] claims.

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

"RICKARDITE MINES GROUP"

The Group: Rickardite -- A patented claim.
Rickardite, Jr.-- An unpatented claim.
The L. B. Lode-- An unpatented claim.

Location: The Organ Mining District, approximately 17 miles N.E. of Las Cruces, Dona Ana County, New Mexico. Road to group consists o f 15 miles of black top from Las Cruses to Organ and two miles of ranch road in good condition. The road continues approximately 1800 feet to the mine and was built by the present owner in 1948. Is built on about a 20% grade.

The ore Assays: A Composite assay of 34 tons shipped to the Ozark Mining and Smelting Co. in 1942, at Coffeyville, Kans. sh owed the following:

Lead ----------	18.6%
Zinc ----------	23.0%
Silver --Not Assayed	
Ore Content	41.6%

A complsite assay of the Dump material made by the American Smelting and Refining Co., gave the following:

Silver ----------	1.10oz.
Lead ----------	17.0 %
Zinc ----------	22.3 %
Copper----------	0.11%

An assay by L. B. Bentley of Organ, N. M. of a sample taken from the No. 1 tunnel are as follows:

Silver ----------	0.90ozs.
Zinc ----------	34.71 %
Lead --~~Not Assayed~~ but known to contain considerable amount.	

The following assays are taken from samples secu red in the No. 3 tu nn el a prospect, and are as follows:

Silver ~~~~~~~~~~~~	3.84ozs.
Lead ----------	44.61 %
Zinc ----------	Not assayed

The assay sent to Colorado Assaying Co. from the same narrow vein in tunnel # 3. are as follows:

Silver ----------	5.90ozs.
Lead ----------	35.6 %
Zinc ~~~~~~~~~~~~	17.1 %

The foregoing are all sulphide ores.

Development: All actual mining has been done on theRickardite. The last was done du ring World War I, and oprating on a large scale and at a profit. Mr. L. B. Bentley who was assayer for the mine u ndoubtedly could supply copies of all assays made by him at the time o f operation. When the price drop started th e mine closed down and the operations since that time has been next to nil.
Some of the ore left in the mine from that time was shipped in 1942. This amount was 34 tons to the ~~Ozark~~ Ozark Mining and Smelting Co., Coffeyville, Kans. The assay on the first page will bear out the findings of that 34 ton lot.
In 1948 , I, Ted B. Russell worked u p there and by the time I had a car load ready to go the market was dpwn. I am now having this ore prepared for shipment to the Mill at Deming, New Mexico.

There is one incline shaft approximately 260 feet deep of a 25% grade, which has a large vein of ore at rhe back of the tunnel #1. This is a very good grade of ore as the assays will bear out. Near the end of this tunnel is a cross cu t of an ore body which crosses the main body at an angle. This had never been prospected out but I expect to as soon as operations on the property are in the advanced stages. This according to assays would produce very high grade lead ore.

An assay of the ore in this tunnel are as follows:

Silver ----	7.0 ozs.
Lead -----	11.9 %
Zinc -----	26.4 %

No. 2 tunnel is an inclined shaft approximately 150nfeet in depth on a 40 % incline. This tu nnel is intersected by a 50Ft. shaft about 50 feet from the opening. This is a large body of ore very high in assay, as per the following:

Silver------	1.0 ozs.
Lead ------	17.4 %
Zinc -------	28.2 %

The District: Adjoining the Rickardite on the West is the Sylvanite, a mine patented in 1949, and known in the past as the Little Buck. This operation produced approximately $100,000. in gold and silver, before the vein ran out of a carbonate ore into that of a sulphide lead and zinc ore. The Merrimac Mine which joins the Sylvanite on the West is producing a high grade lead, zinc and Copper ore now. This mine is being operated by Ira Wright and Wade White of Silver City, N. Mex. It is reported that the mill returns have been well over $100,000. in less that a year. The operation is still going strong.

Before starting work on the Rickardite Mine in 1948 I Mr. L. B. Bentley, Assayer at Organ, N. Mex. to assay the following, and this is the results. These assays represen t the ore left there by the past workings in 1918.

A ssay No.			
8336	- No. 2 ore dump	Silver--------	2.68 ozs.
		Lead --------	11.10 %
		Zinc --------	15.54 %
8337	- No. 3 ore vein	Silver------	2.84 ozs.
		Lead ------	22.30 %
		Zinc -----	16.09 %
8338	- No. 1 tunnel fines	Silver -----	.70 ozs.
		Lead ------	18.87 %
		Zinc --------	21.08 %
8339	- No. 1 tunnel ore	Silver------	1.60 ozs.
		Lead ------	21.09 %
		Zinc --------	19.98 %
8340	- No. 2 tunnel ore	Silver -----	10.90 Ozs.
		Lead ------	10.54 %
		Zinc ------	27.75 %

This report represents the findings of those interested in the property in the past as well as some of my own, and to the best of my kno wledge this report is true and inthe most part authentic.

Date May 29, 1951

Signed Ted B. Russell
Ted B. Russell - Owner
Rickardite Mines Group
Dona Ana County, N. Mex.

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

ANSWERS TO QUESTION

5. The ore to be shipped next week is the ore that was dug in 1948 and the ore left on the dump at No. 2 tunnel and shaft from past operations. I would like to start operations of the property immediately but due to financial conditions this is out of the question. A small financial advance would start production immediately. The cleaning out and all necessary development work was done in 1948 before the price of lead and zinc fell to a very low price. Now that the price is up production can be started with the proper equipment immediately.

6. The applicant has had very limited mining experience but my project manager is a miner of long years of experience in the vicinity of the Organ mining district.

7. (a) The Richardite Mine was opened up in 1870 as a Silver Carbonate mine. Extensive work was done by Mexican miners and when the ore went from silver carbonated to a lead and zinc sulphide ore the operations ceased. In 1918 a Mr. L. M. Bentley operated this mine for the sulphide ore at a profit. After shipping several car loads of one the market fell and the operation ceased due to low priced ore. In 1948 I leased the property and operated it for three months. In this time I mined approximately a car load of ore. By the time this was ready for the mill the price was too low to bother with shipping it. Now the price is up and since buying the mine outright the first of May 1951 I am having two men to move the ore down to the mill at Deming, N. Mex. I expect to ship to the mill in Deming a car load of about 0 Tons.
(b) The two adjoining claims patented under the name of Sylvanite and Merrimac are known to have produced large quantities of good ~~xxxxx~~ saleable ore in the past ad at present the Merrimac is being worked by Ira Wright and Wade White of Silver City, N. M. at a very profitable wage. It has netted the operation well over a Hundred Thousand Dollars since June 1950. At present the Sylvanite is not operating.
(c) The report enclosed is all I have in the way of a report.

"Done"
In 1948 I went down to the Richardite Mine, a patented mining claim that was patented in 1919, and began an operation that required much work that did not pay off. By this I mean that instead of producing immediately we had to spend much time cleaning out tunnels and work of a developing nature to the extent ~~that~~ that by the time I could work at a prophet the price was down and my entire operating capitol was used up getting ready to produce. The situation as it now stands is that I need money to buy the necessary equipment to dig one with. I don't need to do any exploration, & developing. That has been done at my expense already. I need assistance now to produce.

May 27, 1951

Signed Ted B. Russell
Ted B. Russell - Owner
Richardite Mines Group
Consisting of one Patented
and two unpatented Mining
Claims.

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. Dom A 1502 +

Date received 6-1-51

Participation

Name and address of applicant

T. D. [illegible]
Box 262
[illegible] or Consequences,
New Mexico

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28, 1951

Estimated cost $10,000.00

Mineral or metal Lead & Zinc

Percentage of Government participation $10,000.00

Location of mine Section 29, T.21 S. R. 4E. Organ Mining District, Dona Ana County, New Mexico.

Date of filing MF-100

DMA Docket Number, if available 1502 X

INSTRUCTIONS

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

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Individual
*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. [illegible]
*5. Are you the owner or the lessee of the property? Owner
6. If owner, state what claims, liens, or encumbrances, if any, are against the property. None
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. Cannot Comply.
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)? $10,000.00 - 50%

*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

(a) Give a description of the real property that will be in any way involved in the exploration project, including 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.

Rickardite Mines Group (Name of company) By Ted B. Russell (Signature of authorized official)

May 28, 1951 (Date) Owner (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

10. Section 29, Twsp. 21 N. R. [illegible] Organ Mining District, Doña Ana County, N. Mex. dba Ichardite Mines Group.
(b) [illegible]

11. The property has gone by the name of Ichardite since being patented in 1919. Still goes by the name of Ichardite.

12. Property is located approximately 2½ miles north of Organ, N. Mex. and 17 miles N. E. of Las Cruces, N. Mex. The Santa Fe Railroad goes through this town and deliveries are by rail to Doming, N. Mex. from Las Cruces, a distance of 23 miles.
The road up to Organ is black top and the 2½ miles to the property is a ranch road covered with gravel. Both roads are in excellent condition. Due to this hauling rates could be kept to a minimum.

13. Water is of an artesian nature, and in available quantities for any kind of an operation. The power rate is not known at this time, but the operation will justify it no doubt there will be another line run out to Organ for a three phase operation for heavy equipment.

14. None

15. Ore can be shipped from mine to Las Cruces by truck and from Las Cruces to Doming by rail, where it would be milled.

16. Enclosed report will furnish most if not all of this information.

17. Mine is not in production. Produced in 1944 and are now getting ore ready to ship to Doming, N. Mex. to the mill.

18. The enclosed report mentioned in answer 16 is all that I have and in (c) of 16, this I cannot answer accurately.

19. The property is located near the White Sands Proving Grounds. This is a condition that has had most of the operators in this vicinity in a state of confusion. However those who operated in the past and those who are now operating are not molested in any way. Those metals and minerals are needed by our Government for our war effort, and those owners who have good properties that they themselves have explorated and developed with their own money should be given encouragement by assistance to produce and produce immediately. In my own case I can begin production at once. The assistance I am applying for is to begin production.

20. In an exploration operation the minerals explored for would be lead, zinc and silver.

21. This exploration work could be completed in approximately one year.

22. I do not have a geological map, and the report mentioned in answer 16 is as close as I can come to it at present.

23. (a) Four miners and four muckers - We will pay miners wages at $12.00 per day and muckers at $10.00 per day.
(b) One supervisor with wage of $1[illegible].00 per day.
(c) There are no existing facilities.
(d) Approximately ~~XXXXXXXX~~ $1,000.00
(e) Approximately $[illegible],000.00. This figure represents the price of a compressor of adequate capacity and a double drum hoist. These are for operation in two tunnels approximately 200 feet ~~xxxx~~ apart.
(f) Operator does not propose to rent any equipment.
(g) Operator does not own any equipment.
(h) Approximately $1,000.00
(i) Approximately $2,000.00

24. Time schedule of the project is that immediately after the project is approved production will begin immediately. I expect to progress with the utmost speed in regards to production and with all the speed one can safely use in a mine production operation. The first $1,000.00 is to be used for installations to cure and cover equipment and tools from the weather. It may be that a sleeping quarters may be erected for a watchman. The men would have modern facilities either in Las Cruces or Organ. The $[illegible],000.00 will be used to purchase a compressor of adequate size and with capacity suitable to an operation of this size, also a two drum hoist which like the compressor would be used to keep two open mines operating. Those two openings are approximately 200 feet apart. This would include air lines, reserve tanks, four hammers, pipe of 3/4 inch for a water line to hammers and 2" pipe for air lines to hammers, a blower and [illegible]" duct pipe for ventelating the tunnel. The second $1,000.00 would go to cover those unforeseen incidentals always on coming into an operation of any kind. The $2,000.00 is to be used in building a shoot for the ore coming out of No. 2 tunnel which is approximately 75 feet higher up the hill than No. 1. This would build the ore shoot and also the box or hopper for the ore to be placed until it can be loaded in a truck for shipment to the mill at Dona Ana, N. Mex. The hopper and and the end of the ore shoot will be placed on the level of No. 1. I have built a road up to the opening of No. 1 tunnel ~~and~~ constructed a turn around for trucks, so all operations would center around No. 1. This would leave a $1,000.00 to augment workmen their salaries in producing ore thereof of ore. This all amounts to sum of $10,000.00 needed in the production operation of the Ichardite Mines Group.

May 22, 1951

Ted B. Russell

Ted B. Russell - Owner
Ichardite Mines Group
Consisting of one patented
and two unpatented mining
claims.

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

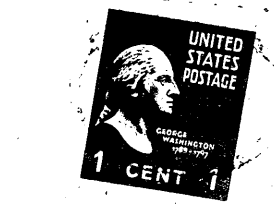
Ted B. Russell
Truth or Consequences
New Mexico - Box 262

DEFENSE MINERALS ADMINISTRATION

DEPARTMENT OF THE INTERIOR

WASHINGTON 25, D. C.

JUN - 1 1951



Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA 1502

Date received 6-1-51

Participation

TED B. RUSSELL
~~Box 262~~
Truth or Consequences,
New Mexico

Name and address of applicant

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28, 1951

Estimated cost $10,000.00

Mineral or metal Lead & Zinc.

Percentage of Government participation $10,000.00

Location of mine Section 29, T.21 S.R. 4E.
Organ Mining District, Dona Ana County, New Mexico.

Date of filing MF-100

DMA Docket Number, if available 1502 X

INSTRUCTIONS

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

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Individual

*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. Answers on MF-100.

*5. Are you the owner or the lessee of the property? Owner

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. None

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. Cannot Comply.

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)? $10,000.00 - Yes

*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.

Riverside Mines Group (Name of company) By Ted B. Russell (Signature of authorized official)

May 28, 1951 (Date) Owner (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

ANSWERS IN CONCESSION

10. Section 29, Tnsp. 21 S. R. 1. Organ Mining District, Dona Ana County N. Mex. dba Rickardite Mines Group.
(b) Same

11. The property has gone by the name of Rickardite since being patented in 1919. Still goes by the name of Rickardite.

12. Property is located approximately 2½ miles north of Organ, N. Mex. and 17 miles N. . of Las Cruces, N. Mex. The Santa Fe railroad goes through this town and delivers ore by rail to Deming, N. Mex. from Las Cruces, a distance of 63 miles.
The road up to Organ is black top and the 2½ miles to the property is a ranch road covered with gravel. Both roads are in excellent condition. Due to this hauling rates could be kept to a minimum.

13. Water is of an artesian nature, and in available quantities for any kind of an operation. The power rate is not known at this time, but the . . . has just completed a single phase line to Organ. However if the operation will justify it no doubt there will be another line run out to Organ for a three phase operation for heavy equipment.

14. None

15. Ore can be shipped from mine to Las Cruces by truck and from Las Cruces to Deming by rail, where it would be milled.

16. Enclosed report will furnish most if not all of this information.

17. Mine is not in production. Produced in 1940 and am now getting ore ready to ship to Deming, N. Mex. to the mill.

18. The enclosed report mentioned in answer 16 is all that I have and in (c) of 18, this I cannot answer accurately.

19. The property is located near the White Sands Proving Grounds. This is a condition that has had most of the operators in this vicinity in a state of confusion. However those who operated in the past and those who are now operating are not molested in any way. Those metals and minerals are needed by our Government for our war effort, and those owners who have good properties that they themselves have explorated and developed with their own money should be given encouragement by assistance to produce and produce immediately. In my own case I can begin production at once. The assistance I am applying for is to begin production.

20. In an exploration operation the minerals explored for would be Lead, Zinc and Silver.

21. This exploration work could be completed in approximately one year.

22. I do not have a Geological map, and the report mentioned in answer 16 is as close as I can come to it at present.

ANSWERS IN CONCLUSION

23. (a) Four miners and four muckers - To mill men
Miners wages at $12.00 per day and muckers at $8.00 per day.
(b) One supervisor with wage of $16.00 per day.
(c) There are no existing facilities.
(d) Approximately ~~XXXXXXX~~ $1,000.00
(e) Approximately $5,000.00. This figure represents the price of a compressor of adequate capacity and a double drum hoist. These are for operation in two tunnels approximately 200 feet ~~xxxx~~ apart.
(f) Operator does not propose to to rent any equipment.
(g) Operator does not own any equipment.
(h) Approximately $1,000.00
(i) Approximately $2,000.00

24. Atime schedule of the project is that immediately after the project is approved production will begin immediately. I expect to progress with the utmost speed in regards to production and with all the speed one can safely use in a mine production operation. The first $1,000.00 is to be used for installations to care and cover equipment and tools from the weather. It may be that a sleeping quarters may be erected for a watchman. The men would have modern facilities either in Las Cruces or Organ. The $5,000.00 will be used to purchase a compressor of adequate size and with capacity suitable to an operation of this size, also a two drum hoist which like the compressor would be used to keep two openings operating. tThese two openings are approximately 200 feet apart. This would include air lines, reserve tanks, four hammers. pipe of 3/4 inch for a water line to hammers and 2" pipe for air lines to hammers, a blower and 4" duct pipe for ventelating the tunnel. The second $1,000.00 would go to cover those unforeseen incidentals always on toring intoan operation of any kind. The $2,000.00 is to be used in building a shoot for the ore coming out of No. 2 tunnel which is approximately 75 feet higher up the hill than No. 1. This would build the ore shoot and also the box or hopper for the ore to be placed until it can be loaded in a truck for shipment to the mill at Deming, N. Mex. The hopper and and the end of the ore shoot will be placed on the level of No. 1. I have built a road up to the opening of No. 1 tunnel and constructed a turn around for trucks, so all operations would center around No.1. This would leave a $1,000.00 to guarantee workman their salaries in producing another carload of ore. This all amounts to the $10,000.00 needed in the production operation of the Rickardite Mines Group.

May 28, 1951

Signed Ted B. Russell
Ted B. Russell - Owner
Rickardite Mines Group
Consisting of one patented
and two unpatented mining
claims.

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 1502X

Date received MS - 0639

77370

TED D. RUSSELL
Box 262
Truth or Consequences,
New Mexico

Name and address of applicant

Date May 27, 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (a) What are the chief mine, mill, or smelter products? Lead, Zinc & Silver
   (b) What are the byproducts, if any? None
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. ~~Approximately 60 ft.~~ 1 shaft 60 ft. deep.
   (b) Linear feet of drifts and crosscuts. Approximately 150 ft.
   (c) Linear feet of tunnels or adits. Approximately 650 ft.
   (d) Linear feet of other mine openings (explain briefly). None

   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. - 17 Miles to Las Cruces, N. M.
   (b) Mining district. - Organ Mining District-Dona Ana County, Las Cruses, N.M.
   (c) Township, Section, Range. - 21 S. R. 4 E. Sec. 29 - Range 4 E.
   (d) County, State. - Dona Ana County, N. Mex.
4. (a) State whether or not property is now in operation, and if in operation, by whom operated. - ~~XXX~~ Yes. - Owner
   (b) Are you operating this property as:
   - [x] Owner.
   - [ ] Lessee.
   - [ ] Contractor.
5. Number of years in production ~~Occasionaal operations~~ since 1900.
   If not in production or operation, estimated date when production will begin ~~Expect to ship ore~~ next week.
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. An not incorporated.

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)
	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.)	Lead-Zn. Silver	Approx. 100 Tons.	None	None	None
2. Quantity of product processed (specify unit of measure and type of process)	High grade sulphide ore and processed by flotation.				
3. Quantity and grade of product sold or shipped (specify units of measure) 34 tons.	1942 shipped 34 tons to Ozark Mining & 41.6% Metal- Smelting Co. Coffeyville, Kans.				

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. Can no t answer this yet.

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. Ore is deposited in veins and beds of large size and of what is believed to be large quantities. In the operations of the past the mine paid off or operated at a profit. There is a tunnel

16—63703-1

265 ft .an d one 150ft. in depth. Both still have large veins of ore exposed and can start a productio n o peration immediately.

(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. In cl u ded in report.

(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)	100,000 ~~1000~~	30 to 40%	$100.00 ~~[illegible]~~	$50. to $75.	$25. to $30/
Indicated (probable)	Am not this far along y et.				

(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.

17miles to point of shipping. 2miles gravel,15miles black top.

14. Water Supply:

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

Water is available by drilling wells-plenty all year.

15. Power:

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

Am not using at present.

16. Labor:

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

Non o. Am employ ing two muckers at present.

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. None.

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

No.

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.

Rickardite Mines Group
(Name of company)

By Ted B. Russell
(Signature of authorized official)

May 27, 1951
(Date)

Owner
(Title)

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 4 - 1951
LANDON F. STROBEL
Executive Secretary

ANSWERS IN CONCLUSION

5. The ore to be shipped next week is the ore that was dug in 1948 and the ore left on the dump at No. 2 tunnel and shafts from past operations. I would like to start operations of the property immediately but due to financial conditions this is out of the question. A small financial advance would start production immediately. The cleaning out and all necessary development work was done in 1948 before the price of lead and zinc fell to a very low price. Now that the price is up production can be started with the proper equipment immediately.

6. The applicant has had very limited mining experience but my project manager is a miner of long years of experience in the vicinity of the Organ mining district.

7. (a) The Rickardite Mine was opened up in 1870 as a Silver Carbonate mine. Extensive work was done by Mexican miners and when the ore went from silver carbonated to a lead and zinc sulphide ore the operations ceased. In 1918 a Mr. L. B. Bentley operated this mine for the sulphide ore at a profit. After shipping several car loads of one the market fell and the operation ceased due to low priced ore. In 1948 I leased the property and operated it for three months. In this time I mined approximately a car load of ore. By the time this was ready for the mill the price was too low to bother with shipping it. Now the price is up and since buying the mine outright the first of May 1951 I am having two men to move the ore down to the mill at Deming, N. Mex. I expect to ship to the mill in Deming a car load of about 60 Tons.
(b) The two adjoining claims patented under the name of Sylvanite and Merrimac are known to have produced large quantities of good ~~xxxxxx~~ saleable ore in the past and at present the Merrimac is being worked by Ira Wright and Wade White of Silver City, N.M. at a very profitable wage. It has netted the operation well over a Hundred Thousand Dollars since June 1950. At present the Sylvanite is not operating.
(c) The report enclosed is all I have in the way of a report.

"NOTE"
In 1948 I went down to the Rickardite Mine, a patented mining claim that was patented in 1919, and began an operation that required much work that did not pay off. By this I mean that instead of producing immediately we had to spend muchtime cleaning out tunnels and work of a developing nature to the extent ~~that~~ that by the time I could work at a prophet the price was down and my entire operating capitol was used up getting ready to produce. The situation as it now stands is that I need money to buy the necessary equipment to dig one with. I don't need to do any exploration,&developing, That has been done at my expense already. I need assistance now to produce.

May 27, 1951

Signed Ted B. Russell
Ted B. Russell - Owner
Rickardite Mines Group
Consisting of one Patented
and two unpatented mining
Claims.

rch 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-1502X

Date received MS-0639

79570

TED B. RUSSELL
Box 262
Truth or Consequences,
New Mexico

Name and address of applicant

Date May 27, 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Lead, Zinc & Silver
   (*b*) What are the byproducts, if any? None
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. ~~Approximately 50 ft.~~ 1 shaft 60 ft. deep.
   (*b*) Linear feet of drifts and crosscuts. Approximately 150 ft.
   (*c*) Linear feet of tunnels or adits. Approximately 650 ft.
   (*d*) Linear feet of other mine openings (explain briefly). None

   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. - 17 Miles to Las Cruces, N. M.
   (*b*) Mining district. - Organ Mining District-Dona Ana County, Las Cruses, N.M.
   (*c*) Township, Section, Range. - 21 S.R. 4 E. Sec. 29 - Range 4 E.
   (*d*) County, State. - Dona Ana County, N. Nex.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. -~~XXX~~ Yes.- Owner
   (*b*) Are you operating this property as:
   - ☒ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production Occasio naal operations since 1900.
   If not in production or operation, estimated date when production will begin Expect to ship ore next week.
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.

Am not incorporated.

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)
	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.)	Lead-Zn. Silver	Approx. 100 Tons.	None	None	NOne
2. Quantity of product processed (specify unit of measure and type of process)	High grade sulphide ore and processed by flotation.				
3. Quantity and grade of product sold or shipped (specify units of measure) 34 tons.	1942 shipped 34 tons to 41.6% Metal- Smelting Co. Coffeyville, Kans.				

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. Can no t answer this yet.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and [illegible] reserves. Ore is [illegible]posited in veins and beds [illegible]f large size and of [illegible] believed to be large quantities. In the operatio ns of the [illegible]e mine paid off or operated at a profit. There is a tu nnel

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what is [redacted]
past th [redacted]
265 ft [redacted] d one 150ft. in depth. Both still have large veins of ore exposed and can [redacted] a productio n o peration immediately.

(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. In cl u ded in report.

(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)	100,000 [redacted]	30 to 40% [redacted]	$100.00 [redacted]	$50. to $75.	$25. to $30.
Indicated (probable)	Am not this far along y et.				

(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.

17miles to point of shipping. 2miles gravel,15miles black top.

14. Water Supply:

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

Water is available by drilling wells-plenty all year.

15. Power:

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

Am not using at present.

16. Labor:

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

Non e. Am employ ing two muckers at present.

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. None.

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

No.

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.

Rickardite Mines Group
(Name of company)

By Ted B. Russell
(Signature of authorized official)

May 27, 1951
(Date)

Owner
(Title)

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 4 - 1951
LANDON F. STROBEL
Executive Secretary