DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 2203

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 PROJECT

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:	Production Expansion Div. Code 400	Date	11/14/51
To:	M & P	Date	12/12/51
To:		Date	
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DO NOT DETACH

CONTROLLED DOCUMENT

DMA-2203
Copper, Lead
Region V

KALAMAX MINING COMPANY, KALAMAZOO, MICHIGAN. White Pine County, Michigan. $14,000 rejected.
Application denied.

FILE COPY
SURNAME: 100

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

Johnson

December 14, 1951

Hon. Blair Moody
United States Senate
Washington 25, D.C.

My dear Senator Moody:

The letter of the Kalamix Mining Company dated November 18, 1951 and addressed to you, inquiring as to the status of their application for an exploration project and requesting a copy of the Field Engineer's report, has been referred to this office for attention.

Please be advised that this application for an exploration project has been denied. A copy of the letter of denial is enclosed for your information.

The results of Field Team examinations are not made available to the applicant, since this information is for Government use only and such service would be in direct competition to the consulting mining engineering profession.

In response to your request, the correspondence attached to your letter is returned herewith.

Sincerely yours,

(signed) FRANK E. JOHNSON (fw) JCD 12-17-51

Acting Administrator
Defense Minerals Exploration
Administration

Enclosures
HHouk/FEJohnson/meh/fw
~~1R/1R~~
cc: Adm. Reading File
Mails and Files
Mr. Mittendorf
Mr. Dietrick
Mr. Norton
Mr. Houk
Docket
Field Team, Reg. III

United States Senate

Washington, D. C., December 7, *19* 51

Respectfully referred to

Defense Minerals Administration
Department of the Interior
Washington, DC

Consideration of the attached communication will be appreciated.

Please return correspondence.

Blair Moody
U. S. S.

U. S. GOVERNMENT PRINTING OFFICE 16—45102-1

C O P Y

O P Y

KALAMAX MINING COMPANY

115 Allen Blvd
Kalamazoo, Mich.
Nov. 18, 1951

Hon.Blair Moody
United States Senate
Washington, D. C.

Dear Senator Moody:

In accordance with your letter of November 9th to Lawrence J. LaLone of the Michigan Veterans Trust Fund, I am writing to inform you of the exact status of our application for a grant or loan from the Defense Minerals Administration of the Department of the Interior.

Our application was dated and mailed October 29th, 1951, has been assigned

Docket No. DMA - 2203

and referred to the Production Expansion Division.

As previously remarked, our principal concern is the expediting of the processing of our application, including securing the government engineer's report.

Any help you can give us along this line will be deeply appreciated.

Thanking you in advance for your courtesy, and wishing you and your family a happy Thanksgiving,, I am,

Respectfully yours,

/s/FREDERICK S. RANDALL
/t/Frederick S. Randall
President

United States Senate

Washington, D. C., December [illegible], *19*51

Respectfully referred to

Defense Minerals Administration
Department of the Interior
Washington, DC

[illegible] of the attached
[illegible] will be appreciated.

Please return correspondence.

Ellis
12/11

Blair Moody
U. S. S.

U. S. GOVERNMENT PRINTING OFFICE 16-[illegible]-1

Kalamax Mining Company

~~RENO, NEVADA~~

115 Allen Blvd
Kalamazoo, Mich.
Nov. 1[illegible], 1951

Hon. Blair Moody
United States Senate
Washington, D.C.

Dear Senator Moody:

In accordance with your letter of November 8th to Lawrence J. LaLone of the Michigan Veterans Trust Fund, I am writing to inform you of the exact status of our application for a grant or loan from the Defense Minerals Administration of the Department of the Interior.

Our application was dated and mailed October 29th, 1951, has been assigned

Docket No. DMA-2203

and referred to the Production Expansion Division.

As previously remarked, our principal concern is the expediting of the processing of our application, including securing the government engineer's report.

Any help you can give us along this line will be deeply appreciated.

Thanking you in advance for your courtesy, and wishing you and your family a happy Thanksgiving, I am,

Respectfully yours,

Frederick S. Randall

Frederick S. Randall
President

r

100
FILE COPY
SURNAME:

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

Houk
FE Johnson

DEC 1 5 1951

Mr. Frederick S. Randall, President
Kalamax Mining Company
115 Allen Blvd.
Kalamazoo, Michigan

Re: Docket No. DMA 2203X
Climax Claims
White Pine County, Nevada
Copper-lead

Dear Mr. Randall:

Your application for assistance on an exploration project on the Lucky and Climax mining claims in White Pine County, Nevada, 3 miles from Ely, has been carefully reviewed by this office.

A careful study reveals that the information presented fails to justify Government assistance on the proposal. It appears that neither the outcrops nor the existing development work shows values that would warrant the work proposed.

Because of these reasons your application for exploration assistance to the extent of 50 percent of $14,000 is denied. We appreciate the care with which you prepared the application, and we wish to thank you for bringing this prospect to our attention.

Sincerely yours,

12/12

(signed) FRANK E. JOHNSON (fw)

Acting Administrator
Defense Minerals Exploration
Administration

LHouk/meh
12/11/51
cc to: Adm. Reading File
Mails and Files
Mr. Mittendorf
Mr. C. H. Johnson
Mr. O. Bishop
Mr. E. T. McKnight
Mr. Houk
Region III (2)
Docket

12/11/51

Mr. Houk understands that it is unnecessary to get surnames again.
Surname copies of the previous versions are attached.

FILE COPY
SURNAME:

140

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

Bishop
Johnson
McKnight
Moon
Thayer
FEJohnson
Hofflund

Rewritten by

Mr. Frederick S. Randall, President
Kalamax Mining Company
115 Allen Boulevard
Kalamazoo, Michigan

Dear Mr. Randall:

I regret to advise you that Defense Minerals Exploration Administration cannot approve your application for an exploration project contract in connection with the Lucky and Climax mining claims in White Pine County, Nevada (Docket No. DMA-2203).

Your application does not provide sufficient indications, from a geological standpoint, either that there is a reasonable prospect of discovering commercial ore bodies, or that the proposed work would be apt to discover them if there were such ore bodies.

Moreover, if it had been determined that the prospect of discovering or developing ore would be worth the outlay of money, there would probably have to be extensive revisions in your cost estimates. An overall cost of $14,000 and a 12-months time requirement seem excessive for 200 feet of exploratory adit and 50 feet of small-dimension shaft. A cost of $3,600 ($14.40 per foot) for supervision of the proposed work would be most unusual.

Your application must andand is denied.

Sincerely yours,

Acting Administrator

LHouk/JLHofflund/em

Copy to: Adm. Reading File
Reports & Records
C.O. Mittendorf
C. H. Johnson
O. Bishop
E. T. McKnight
L. Houk
Docket
Field Team Reg. III
J. L. Hofflund
Operating Committee

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

rewritten J. S. Hoffland, exa

Mr. Frederick S. Randall, President
Kalamax Mining Company
115 Allen Blvd.
Kalamazoo, Michigan

Re: Copper-lead
White Pine County, Nevada
DMA docket 2203
Climax Claims

Dear Mr. Randall:

Your application for assistance on an exploration project on the Lucky and Climax mining claims in White Pine County, Nevada, 3 miles from Ely, has been carefully reviewed by this office.

~~As a result of our study, we conclude~~: a careful study ~~of your proposal~~ reveals that

1. The information presented fails to justify Government assistance on the proposal. It appears that neither the outcrops or the existing development work show values that would warrant the work proposed.

2. ~~Your costs are not in line with our experience. An overall cost of $14,000 and a 12-months time requirement seem excessive for 200 feet of exploratory adit and 50 feet of small-dimension shaft. A cost of $3,600 ($144.40 per foot) for supervision on work of this type would be most unusual.~~

Because of these reasons your application for exploration assistance to the extent of 50 percent of $14,000 is denied. We appreciate the care with which you prepared the application, and we wish to ~~assure you that if additional evidence should become available we will be glad to consider it~~. thank you for bringing this prospect to our attention.

Sincerely yours,

Acting Administrator
Defense Minerals Exploration
Administration

For Johnson's review

(Letter)

FILE COPY
SURNAME:

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

Rewritten J. L. Hufflund 12/7/51

Bishop
Johnson
McKnight
Thayer
Fitzpatrick

Mr. Frederick S. Randall, President
Kalamax Mining Company
115 Allen Blvd.
Kalamazoo, Michigan

Re: Copper-lead
White Pine County, Nevada
DMA docket 2203

Dear Mr. Randall:

Your application for assistance on an exploration project on the Lucky and Climax mining claims in White Pine County, Nevada, 3 miles from Ely, has been carefully reviewed by this office.

As a result of our study, we conclude:

1. The information presented fails to justify Government assistance on the proposal. It appears that neither the outcrops or the existing development work shows values that would warrant the work proposed.

2. Your costs are not in line with our experience. An overall cost of $14,000 and a 12-months time requirement seem excessive for 200 feet of exploratory adit and 50 feet of small-dimension shaft. A cost of $3,600 ($14.40 per foot) for supervision on work of this type would be most unusual.

Because of these reasons your application for exploration assistance to the extent of 50 percent of $14,000 is denied. We appreciate the care with which you prepared the application, and we wish to assure you that if additional evidence should become available we will be glad to consider it.

Sincerely yours,

LHouk'lm
12/3/51

Acting Administrator
Defense Minerals Exploration
Administration

cc: Admn. Reading File
Reports and Records
C. O. Mittendorf
C. H. Johnson
O. Bishop
E. T. McKnight
L. Houk
Docket
Field Team Reg. III

DEC 13 1951

Mr. Frederick T. Randall, President
Kalamax Mining Company
115 Allen Blvd.
Kalamazoo, Michigan

Re: Docket No. DMA 2203
Climax Claims
White Pine County, Nevada
Copper-lead

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Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Administrator
Defense Minerals Exploration
Administration

LHouk/mah
12/11/51
cc to: Adm. Reading File
Mails and Files
Mr. Rittendorf
Mr. C. H. Johnson
Mr. O. Bishop
Mr. L. T. DeKnight
Mr. Houk
Region III (2)
Docket

FILE COPY
Surname:

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

Bishop

November 21, 1951

Re: DMA-2203
Kalamax Mining Co.
Robinson District
White Pine County, Nev.
Exploration loan, $14,000
Copper, lead

Memorandum

To: C. O. Mittendorf

From: E. T. McKnight

Subject: Denial of exploration loan

The applicant's property lies three miles west of Ely, Nevada. He has two separate exploration proposals that are over a mile apart on two separate claims.

On the Lucky claim there is an outcrop of "iron" about 50 feet square, which is impregnated with copper stain. Also, there is "vein matter", about 2 feet in width, dipping north into the hill. The applicant proposes to sink a 50 feet shaft on this outcrop in the expectation that he will find direct shipping copper ore at that depth. There has already been an irregular tunnel 100 ft. long driven north on this outcrop, but it found no ore. The country rock is limestone.

On the Climax claim, the ore body is described only as a narrow vein that appears to strike east-west. Samples taken from old dumps, an old shaft and a test shaft made by applicant show lead. The country rock is limestone. There has been a tunnel driven about 100 ft., an incline tunnel of unknown depth, and an 85 ft. shaft, the latter sunk by the applicant in 1949. This shaft attempted to hit a vein which had a good surface showing of lead, but failed to reach it. The present proposal is to drive a 200 ft. tunnel westward underneath the old workings.

The geologic descriptions presented by applicant give a minimum of information, and there is no indication that the proposed work bears any relation to geologic targets. For instance, the proposed tunnel on the Climax claim is parallel to the strike of the vein that it proposes to explore, but there is no statement or evidence that it will start on the outcrop of the vein and drift on the strike; in fact, the geologic description is so vague that there is strong doubt that the applicant has any concept of what his geologic target is. He simply proposes to tunnel in under the old workings in the hope that he will hit commercial ore. He describes the vein as narrow where it has been investigated in the old workings, all of which were

unsuccessful in developing commercial ore. For the proposed shaft on the Lucky claim, no statement is made as to the relation of the exploration to the geologic features, though the "sink line of proposed shaft", shown on the map suggests that the shaft will be inclined on the "vein matter" mentioned in the geologic description.

I recommend that the application be denied on the basis that the geologic information presented is insufficient to justify the proposed exploration.

The proposal is to take 1 year for the exploration, totaling 50 feet of shaft and 200 feet of drift. The costs shown under item 24 of the application amount to $56 per foot for both the sinking and drifting.

Returned herewith are:

4 Forms MF-103
1 Form MF-100

Edwin T. McKnight

Edwin T. McKnight
Geologist

N.S
R&R

ETMcKnight:emp
Copies to: H. C. Miller, Region III (2)
E. T. McKnight 4204 GSA Bldg
O. M. Bishop
Directors r. files 4214 GSA
Br. r. files 4214 GSA
Administrators r. files
Geol. Div. Files 4240 GSA Bldg.

IN REPLY REFER TO:

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

November 21, 1951

Re: DMA-2203
Kalamax Mining Co.
Robinson District
White Pine County, Nev.
Exploration loan, $14,000
Copper, lead

Memorandum

To: C. O. Mittendorf

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Subject: Denial of exploration loan

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Returned herewith are:

4 Forms MF-103
1 Form MF-100

Edwin T. McKnight

Edwin T. McKnight
Geologist

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.

DEPARTMENT OF THE INTERIOR
RECEIVED
DEC 3 1951
Defense Minerals Administration,

-2203

Mr. Wrecht

File.

Kalamax Mining Company

OCT 31

~~XRENOXXNEVADA~~
115 Allen Blvd
Kalamazoo, Mich.
October 30, 1951

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

BASE METALS

Gentlemen:

Enclosed herewith are the following applications for financial assistance, made out in quadruplicate, on behalf of the Kalamax Mining Company -

Form MF-100

Form MF-103

On the face of Form MF-103 the Government's participation is listed as from 50% to 100% of the $14,000.00 required. As is explained on Page 5, Supplement to Form MF-103, this is done because we hope consideration will be given to authorizing a grant, rather than a loan, in the probable event that the engineer's report warrants favorable consideration of our application.

Your attention is further invited to the fact that our Resident Agent, who is also our Vice-President in Charge of Operations lives in Ely, Nevada, only a few miles from our properties, enabling your engineer to check on his qualifications for directing our initial exploration and development work -

Morris Roberts
870 Ely St.
Ely, Nevada
(Use P.O.Box 1124 for mail)

Thanking you for your consideration of this application, and assuring you of any cooperation you may desire, I am

Very truly yours,

Frederick S. Randall

Frederick S. Randall
President

r

Mr. Frederick S. Randall, President
Kalamax Mining Company
115 Allen Blvd.
Kalamazoo, Michigan

Subject: DMA-2203
Re: Exploration Loan
Lucky Claim*

My dear Mr. Randall:

This will acknowledge receipt of your application dated October 29, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMA-2203 and referred to the Production Expansion Division.

Kindly refer to DMA-2203 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams

Robert E. Adams, Chief
Reports and Records Unit

m 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 22203

Date received 10-31-51

Participation

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

Name and address of applicant

Date Oct. 29, 1951

FILL IN THIS BLOCK

Date of application October 29, 1951

Estimated cost $14,000.00

Mineral or metal Copper and lead

Percentage of Government participation 50% to 100%

Location of mine Robinson District, White Pine County, Nevada

Date of filing MF-100 October 29, 1951

DMA Docket Number, if available

INSTRUCTIONS

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

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C. OCT 30 3 37 PM '51

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? See Page 7-Supplement to Form MF-100
*2. If a partnership, state names and addresses of partners. Does not apply
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. Page 7, " " "
*4. Describe the mining and general business experience of (a) the applicant and (b) the person or persons who will manage the project. See Page 5-supplement to Form MF-100
*5. Are you the owner or the lessee of the property? See Page 3- " " " " "
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. Does not apply.

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

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

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

16—64067-1

THE PROPERTY

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

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

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

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

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads. See Page-supplment to Form MF-100

*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. See Page 9- " " "

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. See Page 10-supplement to Form MF-100

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

*16. History: See Page 6-supplement to Form MF-100

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

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

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

*17. Production: Does not apply

(*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.) Does not apply

(*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.

Kalamax Mining Company
(Name of company)

By Frederick S. Randall
(Signature of authorized official)

October 29, 1951
(Date)

President
(Title)

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

*Same as footnote on page 1.

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

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE APPLICANT

6. There are no claims, liens or encumbrances against our property.

THE APPLICANT

8.(a) Financial Statement

Assets

Current:	Cash in Bank Sept.1,1951		
	1st Nat.Bank,Ely	$ 356.79	
	Indus.State B'k,Kazoo	655.91	$ 1,012.70
	Accounts Receivable		
	Compressor Rent		150.00
Fixed:	Property		
	Climax Claim	$12,200.00	
	Climax Claim No.4	12,200.00	
	Lucky Claim	400.00	
			24,800.00
	Equipment		
	Compressor	$ 2,775.00	
	Jeep	800.00	
	Fisher M-Scope	225.00	
	Miscel.Tools & Supplies	835.00	
	Tugger Hoist	150.00	
		$ 4,785.50	
	Less Depreciation*	4,729.06	
			56.44
	Total Assets		$25,019.14

Liabilities

Current:	Accounts Payable	-----	
Capital:	(Stock authorized	100,000 shares)	
	(Less un-issued	9,527 ")	
	(Total issued	90,473 shares)	
	(Par $1.00 per share.Twenty shares)		
	(sold at par,balance @ 50¢.)		
	Stock issued for property	48,800 sh.	$24,400.00
	Stock issued for services	500 sh.	250.00
	Stock issued for cash	41,173 sh.	20,596.50
			$45,246.40
Surplus:			-20,227.36
			25,019.14

*Depreciation based on 42 months

Kalamax Mining Company
115 Allen Blvd
Kalamazoo,Michigan

THE APPLICANT

8(b) Operating Statement

Ely, Nevada, Properties

Sept.1,1947 - Sept.1,1951

Assays	$ 9.00	
Auto Expense	255.61	
Contract Labor Charges	1,451.50	
Supplies	82.40	
Operating Loss		$1,798.51

Combined Operating Statement

Tonopah and Ely Properties

Sept.1,1947 - Sept.1,1951

Operating Loss, Ely Properties	$ 1,798.51
Operating Loss,Tonopah Properties*	11,857.41
Total Operating Loss	$13,655.92

*The Tonopah,Nevada,properties were leased in December of 1947,and abandoned in July,1948.Except to account for the bulk of our funds, they have nothing to do with this application. These were silver claims and looked good,but when we found it would cost way beyond our mens to locate anything on them,we dropped them. The following page gives details of this operational loss in case they should be wanted.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE APPLICANT

8(b) Supplement

Operating Statement

Tonopah, Nevada, Properties

Dec.1,1947 - Aug.1,1948

Disbursements

Auto Expense		$ 538.07	
Insurance - State Compensation	$160.71		
Compressor	16.65	177.36	
Lease - Jos. Clifford		2,500.00	
Royalties - Jos. Clifford		305.84	
Taxes - Social Security	$129.70		
Old Age & Unemploym't	367.28	496.98	
Travel - Pres. & Gen'l Mgr.		2,867.79	
Supplies		2,507.44	
Wages		4,793.62	
Total			$14,187.10

Receipts

Sale of Ore	2,329.69
Net Operating Loss	$11,857.41

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE APPLICANT

9. We are prepared to meet our 50% of the cost of this project in the following manner -

Equipment rental value, 12 months @ $100.00	$1,200.00
Supervision, 12 months @ $300.00	3,600.00
Cash*	2,200.00
Total	$7,000.00

*Note: Any cash we are short of to meet our share will be covered by the sale of stock.

However, since it is permissable and since the amount of money we require is comparatively small, we request your consideration of authorizing us an outright grant of $7,000.00.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE PROPERTY

10(a).The real property consists of three contiguous mining claims, two of which are full size, 600'x1500' as permitted by present day regulations. The third one is at present 260' short in length,but steps are now being taken to relocate this claim. The claims are located in Sections 7 and 8,Township 16 North, Range 63 East. They lie a mean distance of three miles from the town of Ely, White Pine County, Nevada, two miles of which are over U.S.Highway 50. From the highway a narrow, one way unimproved road winds through a steep canyon,crossing the lower east-west claim(The Lucky),going up the length of the north-south claim(Climax No.4), reaching the summit near the western end of the upper east-west claim(The Climax) and running back east on that claim to the main workings. The area there is rugged and the elevation of the claims runs from about 6900' to 7600'. No patents have ever been issued on the claims.

(b).Legal Descriptions of the Claims:

(1).....1500 linear feet and horizontal measurments on the CLIMAX lode, vein, ledge or deposit along the vein thereof, with all its dips, angles and variations as allowed by law, together with 300 feet on the North side and 300 feet on the South side of the middle of said vein at the surface; so and all veins, lodes, ledges or deposits and surface ground within the lines of said claim 50 feet running Westerly from the discovery monument, and 1450 feet running Easterly from the discovery monument, said discovery monument being situate upon said lode,vein,ledge or deposit, and within the lines of said claim, in Sections 7 and 8,Township 16 North, Range 63 East, Robinson Mining District,County of White Pine and State of Nevada....

(2)....1500 linear feet and horizontal measurements on the CLIMAX NO.4 lode,vein,ledge or deposit along the vein thereof, with all its dips, angles,and variations as allowed by law,together with 300 feet on the East side and 300 feet on the West side of the middle of said vein at the surface; and all veins,lodes,ledges or deposits and surface ground within the lines of said claim 750 feet running Northerly from the discovery monument, and 750 feet running southerly from the discovery monument,said discovery monument being situate upon said lode,vein,ledge, or deposit, and within the lines of said claim, in Section 8,Township 16 North, Range 63 East, Robinson Mining District,County of White Pine and State of Nevada....

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE PROPERTY

10(b).Legal Descriptions of the Claims, Continued from Page 6:

(3)....1500 linear feet and horizontal measurement on the Lucky Lode,vein ledge or deposit along the vein thereof,with all its dips, angles and variations as allowed by law, together with 300 feet on the north side and 300 feet on the south side of the middle of said vein at the surface, so far as can be determined from present developments; and all veins, lodes, ledges or deposits and surface ground within the lines of said claim 1150 feet running Easterly from the discovery monument, and 350 feet running Westerly from the discovery monument, said discovery monument being situate upon said lode, vein, ledge, or deposit, and within the lines of said claim, in Sections 7 and 8,Township 16 North, Range 63 East, Robinson Mining District, County of White Pine and State of Nevada.....

Note: The foregoing legal descriptions of the Claims were furnished us by the County Clerk of White Pine County Nevada. Since they did not contain the numbers of the Sections and Townships, the latter were inserted by us in accordance of our understanding of the locations. Any errors in these descriptions are unintentional.

(c).Both areas are the same, except that no work is planned for Climax Claim No.4,which runs north and south between the Lucky and the Climax.

(d).We have put in a bid to lease, with option to buy, the other three Climax claims which are contiguous to ours and are shown on the accompanying map. We have no answer as yet.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE PROPERTY

11. The Lucky Claim was formerly called The Doctor.

The Climax Claim was formerly called the Highland Boy No.4.

It is believed that Climax No.4 was formerly the Willner.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE PROPERTY

15. Ore can be shipped in sacks by trucks, which pick up ore on regular schedules in this area; or it can be shipped by rail. As previously noted, both U.S.Highway 50 and the Nevada Northern Railroad are adjacent to our claims.

The ore in these properties is direct smelting and does not have to be milled.

Copper ore would be shipped to Consolidated Copper Company's smelter at McGill, not over 15 miles away. Lead ore would have to be shipped to Salt Lake City for smelting.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE PROPERTY

19.(a) Direct smelting ore - no milling necessary - means a successful operation is possible on lower grade ore and with a much lower capital investment.

(b) A nearby copper smelter means very low transportation costs on this ore.

(c) No camp has to be built for workers.

(d) Being not over 3 miles from the town of Ely,Nevada, it will not be necessary for some time to invest in a water supply pipe line, as water can be hauled in.

(e) Work can be done on a contract basis,keeping costs down.

(f) Our claims are located in the heart of the country's richest producing district.

(g) We have an important stockholder living only 3 miles from our claims capable of supervising all initial work and operations.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE EXPLORATION

20. In the Climax there is lead with good silver showings.

In the Lucky there is copper, with a trace of gold.

Kalamax Mining Company
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Kalamazoo, Michigan

THE EXPLORATION

21. It is planned to sink a 50-foot shaft in the Lucky Claim, and to drive a 200-foot tunnel into the Climax Claim, as indicated on the enclosed map.

    The time required for both operations, considering winter weather and possible contractual difficulties, will not exceed one year.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE EXPLORATION

22.Geology.

In several places on the Climax, Climax No.4 and Lucky Claims there are outcroppings of iron, and small veins of copper and lead show in the limestone formation. These generally lead to ore bodies and occur in chambers.

On the west portion of the Lucky there is an outcrop of iron about50 feet square which is impregnated with copper stain, also there is vein matter about 2 feet in width dipping north into the hill which may, with work, show a good grade of ore in commercial quantities. Other surface showings on the Lucky may be gossans.

On the Climax Claim the showings are lead, born out by samples taken from old dumps, from an old shaft and from our own test shafts. The strike here appears to be East-West, and a narrow vein goes almost the entire length of the claim on the surface. As elsewhere noted, the vein being explored by the Benson Brothers on the west appears to dip into the west end of the Climax, indicating the main ore body could be at that end, although very deep. Our shaft at the east end of the Climax did not intersect the vein we were hoping to hit, but small amounts of rich lead were encountered.

From the showings, we could develop either or both a copper and lead mine on these claims, hence the desirability of exploring both possibilities.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE REQUIREMENTS AND COSTS

23(a)	Labor - on contract: 250' @ $15 per foot	$ 3,750.00
(b)	Supervisor: 1 @ $300.00 per month for 12 months	3,600.00
(c)	None	
(d)	None	
(e)	None	
(f)	None	
(g)	$100 per month for 12 months	1,200.00
(h)		4,450.00
(i)		1,000.00
	Total	$14,000.00

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE REQUIREMENTS AND COSTS

	Lucky Claim Progress	Cost	Climax Claim Progress	Cost
24. 1st month**	10 feet	$ 560.00		
2nd "	15 "	840.00		
3rd "	15 "	840.00		
4th "	10 "	560.00	15 feet	$ 840.00
5th "			25 "	1,400.00
6th "			25 "	1,400.00
7th "			25 "	1,400.00
8th "			25 "	1,400.00
9th "			25 "	1,400.00
10th "			25 "	1,400.00
11th "			25 "	1,400.00
12th "			10 "	560.00
	50 feet	$2,800.00	200 feet	$11,200.00
				2,800.00
			Total	$14,000.00

**Based on beginning operations in December or January. It is not feasible to begin operations on the Climax Claim in the winter, but work can be commenced on the Lucky Claim at almost any time of the year.

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 2 2 0 3

Date received 10-31-51

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

Name and address of applicant

Date October 29, 1951

DEFENSE MINERALS ADMINISTRATION WASH. D.C. 1951 OCT 31 PM 3:36

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

   Does not apply

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

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

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Frederick S.Randall Kalamazoo,Michigan	Pres. - D.	None	10,000.	7400	None	None	None
Harold J.Vandenberg Kalamazoo,Michigan	V.P. - D.	"	25,000.	1600	"	"	"
Morris Roberts Ely, Nevada	V.P. - D.	"	15,000.	16,000	"	"	"
Ben R.Preston Kalamazoo,Michigan	D. Sec.-Treas.	"	100,000.	2500	"	"	"
Roger C.Gleason Kalamazoo,Michigan	D.	"	50,000.	1500	"	"	"
Allan G.Longstreet Duluth,Minnesota	D.	"	25,000.	7200	"	"	"
Howard Pore Kalamazoo, Michigan	D.	"	250,000.	1000	"	"	"
	Total	None	x x x x x	37,200	None	x x x x x	x x x x x

If more lines are needed continue on separate sheet. See Page 7 - Supplement.

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	$100,000.	$90,473.	$1.00	90,473	None
Preferred stock	$ None	$	$		

*Indicate period covered.

10. Production: Does not apply

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

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. Does not apply

12. Ore or Mineral Reserves: Does not apply

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power: Does not apply

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

16. Labor: Does not apply

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

Kalamax Mining Company
(Name of company)

By Frederick S. Randall
(Signature of authorized official)

October 19, 1951
(Date)

President
(Title)

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

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

Kalamax Mining Company
115 Allen Blvd
Kalamazoo,Michigan

GENERAL TECHNICAL DATA

1.Materials Produced: None.

(a) Chief mine products anticipated are copper and lead.

(b) Byproducts anticipated are silver and gold.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo,Michigan

GENERAL TECHNICAL DATA

3. For mining:

(a) Three miles west of Ely, Nevada. Shipping can be done by truck via U.S.Highway 50 which lies 3/4 of a mile below the property; or on the Nevada Northern Railroad, which parallels U.S.Highway 50, by building a loading ramp.

(b) Robinson Mining District.

(c) Township 16 North, Range 63 East, Sections 7 & 8.

(d) White Pine County, Nevada.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo,Michigan

GENERAL TECHNICAL DATA

4.(a) Property is not now in operation, and never has been in operation, although exploration work has been done from time to time.

(b) When property goes into operation, we will operate as owners.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo,Michigan

GENERAL TECHNICAL DATA

5. Number of years of Production - none.

Estimated date for beginning production is November, 1952, unless development work can be completed sooner.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo,Michigan

GENERAL TECHNICAL DATA

6. Experience of Operators:

(a) The experience of the corporation is limited to the length of time since it was incorporated - Nov.21,1947.

(b) Mr.Morris Roberts, Ely, Nevada, is our Vice-President in Charge of Operations. He has been engaged in mining work since he was a boy, at one time being foreman of of the open pit operation at Ruth, Nevada. While not an engineer, Mr.Roberts is a practical mining man with a good reputation, perfectly capable of handling the development work and early operation of this property.

(c) Mr.Kenneth M.Harris,Winter,Wisconsin, is also available to us.Like Mr.Roberts, Harris is a principal stockholder, he and Roberts being joint owners of the two Climax Claims which are now corporation Property. Harris has had over 15 years of experience in mining operations. In September of this year he spent two weeks in Ely with Mr.Roberts going over the property and discussing development plans outlined in this application.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

7. History:

(a) The only development work we have done on the property is at "K" on the enclosed map, where we sank an 85-foot shaft in 1949 at the eastern end of the Climax Claim. We were attempting to hit a vein which has a good surface showing of lead, but did not reach it. We did nothing more than assessment work in 1950, trying to conserve our meager funds pending a decision by Congress on the various plans being condidered to give federal assistance to small mine operators.

As indicated on the map, considerable work has been done on these claims at one time or another, but almost all the workings were prior to 1900 - probably aimed at finding silver or gold. When none was located in paying quantities, the old timers moved on.

At the point "A" on the map, a tunnel 100-feet long was driven, date unknown. Some desultory work was done there in 1929 and 1930 by the Benson Brothers, who now own the Greenstake Claims adjoining the Climax Claim to the west. Nothing was shipped.

Considerable work was done in the vicinity of "C", apparently very old. There are two shafts and three openings to or from filled stopes. These workings are about 200-feet higher than the tunnel driven into the hill at "B", which might have been driven with the intention of intersecting the downward continuation of the vein at "C". This tunnel is 334 feet in length,but would have to be driven an additional 300 feet to get under the old workings.

(b) The Benson Brothers have been shipping lead ore in small quantities from the Greenstake claims,formerly the Golden Rule Claims, periodically since 1934,except while the three men were in service during World War II. Attached are some assay reports and smelter returns belonging to the Bensons. They are now down about 325 feet and are blocking out shipping ore.Their vein appears to dip into the Climax Claim.

(c) No private reports are available. Attached are copies of assay reports made in 1941 from samples taken from various test shafts on the Climax. During September we sank a short shaft in the Lucky to test the copper showings and see if we could locate the direction the vein dipped.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

8. Continued from the form - Five largest stockholders:

(a) Name & Address	(d) * Net Worth	(e) Shares of Common Stock
John E.Fetzer Kalamazoo,Mich.	$250,000.00	16,000
Kenneth M.Harris Winter,Wis.	25,000.00	16,000
Morris Roberts Ely,Nevada	15,000.00	16,000
Frederick S.Randall Kalamazoo,Mich.	10,000.00	7,400
Allen J.Longstreet Duluth,Minn.	25,000.00	7,200
Charles J.Monroe Kalamazoo,Mich.	1,000,000.00 plus	7,200

*Estimates only based on fairly accurate knowledge.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

13. Access Roads:

It is 3/4 of a mile from our top claim, The Climax, to U.S.Highway 50, where trucks pick up sacked ore. It is only a few yards further to the Nevada Northern Railroad, which parallels the highway at that point, and where a loading ramp can be built when needed.

The road from our claim to the highway and the railroad is one-way and unimproved, and half of it is quite steep; but it is passable for 4-wheel-drive trucks, jeeps,etc. The lower claim, The Lucky, is accessible to any type of vehicle.

It is a little over 2 miles from our road to Ely - our supply and resident point.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

14. Water Supply:

Water is obtained in Ely, two miles away, and hauled by truck to our property. There is an ample supply from the city water works for all seasons of the year. We have not felt it necessary at this time to investigate either the feasibility or the cost of piping water in from Ely.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

17. Equipment and Facilities:

We have a portable gasoline compressor, hose and tools on the Lucky Claim at the present time.

We have no buildings on our property. Our equipment, tools and supplies are stored in Ely and brought out as needed.

Equipment now available and in serviceable condition included that mentioned above, a tugger hoist and cable, small tools such as drills, and a small inventory of supplies.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

18. The ore in these claims is direct-smelting, eliminating the need for milling.

    We consider this one of our best assets since it means a smaller capital investment is needed, production costs will be greatly reduced, time from mine to smelter is greatly reduced, and there is the possibility of a successful operation on lower grade ores.

CONSOLIDATED COPPERMINES RPORATION

ASSAY CERTIFICATE

M.Roberts

KIMBERLY, NEVADA, June.21.1941 194

NO.	DESCRIPTION	OZS. GOLD	OZS. SILVER	PER CENT COPPER	PER CENT INSOL	PER CENT IRON	PER CENT CAO	PER CENT Al_2O_3	PER CENT S	PER CENT Pb	PER CENT	PER CI
		.12	16 .18							20.40		

CHIEF CHEMIST

CONSOLIDATED COPPERMINES CORPORATION

ASSAY CERTIFICATE

M. Roberts

KIMBERLY, NEVADA, July 28, 1941 194

NO.	DESCRIPTION	OZS. GOLD	OZS. SILVER	PER CENT COPPER	PER CENT INSOL	PER CENT IRON	PER CENT CaO	PER CENT Al_2O_3	PER CENT S	PER CENT Pb	PER CENT	PER C
4		.14	8.64							13.20		
5		.02	44.74							26.30		

No 4 in cuttings on Climax No 3.

No 5 in Jenny Shaft on Climax in Bunches as yet as we haint got Deep enough for Main Vein.

CHIEF CHEMIST

CONSOLIDATED COPPERMINES CORPORATION

ASSAY CERTIFICATE

Morris Roberts

KIMBERLY, NEVADA. May 10, 1949 19

NO.	DESCRIPTION	TON-2000 LBS. OZS. GOLD	TON-2000 LBS. OZS. SILVER	PER CENT COPPER	PER CENT INSOL	PER CENT IRON	PER CENT CAO	PER CENT AL 2O3	PER CENT S	PER CENT PB	PER CENT
	#1	.17	4.19							9.80	$35.1
	#2	.17	2.85							10.09	$34.5
	#3	.19	3.99							6.07	$25.9

averages per Ton. 31.91.

Lewis Machis CHIEF CHE

I have a copy of these, so you can keep it.
This is samples of dump; put there by
early day miners. all they took those days
was the richest stuff.

PER CENT

Telephone 3-3302

Con. Serial 16511

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

J. V. SADLER, President
A. C. SELBY, Vice-Pres. & Treas.
A. C. SELBY, Jr., Secretary

Salt Lake City 11, Utah

Mine Walter Benson

RESULTS PER TON OF 2000 POUNDS

June 9,1951

LOT	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	TUNGSTIC OXIDE Per Cent	IRON Per Cent	LIME Per Cent	Per Cent
2	0.025	9.45	23.7	1.10	12.4	4.0			27.5		
U.S.S.Co.	0.025	9.1	23.2	1.10	12.1	3.8			27.6		

Remarks

Sampled By U.S.S.Co.

Charges $ 6.50

C. C. CRISMON
PRESIDENT

P. M. CRISMON
VICE-PRESIDENT

O[illegible] FISHER
[illegible]RETARY

R. R. CASTO
TREASURER

PHONE 3-7417

CRISMON & NICHOLS

229-231 SO. WEST TEMPLE ST.

P. O. BOX 1708

CERTIFICATE OF ASSAY

SALT LAKE CITY 10, UTAH June 6, 1951

Matt Benson

WE HAVE ASSAYED YOUR two SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT INSOL.	PER CENT IRON	PER CENT ZINC	PER CENT	VALUE OF GOLD PER TON
	1	0.06	4.65	24.60						$ 2.10
	2	0.02	0.40	0.80						70¢

REMARKS:

CHARGES $ 4.00

CRISMON & NICHOLS

BY [illegible]

C. C. CRISMON
PRESIDENT

P. M. CRISMON
VICE PRESIDENT

ERRIN FISHER
SECRETARY

R. R. CASTO
TREASURER

PHONE 3-7417

P. O. BOX 1708

CRISMON & NICHOLS

229-231 SO. WEST TEMPLE ST.

CERTIFICATE OF ASSAY

SALT LAKE CITY 12, UTAH August 1, 1950.

Matt Benson

WE HAVE ASSAYED YOUR one SAMPLES AND FIND it TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT INSOL.	PER CENT IRON	PER CENT ZINC	PER CENT	VALUE OF GOLD PER TON
		0.02	27.60	43.60						70¢

REMARKS:

CHARGES $ 2.00

CRISMON & NICHOLS

BY C. C. Crismon

FORM C.O. 77-2 ®

PROVISIONAL SETTLEMENT L-[redacted]

UNITED STATES SMELTING REFINING AND [redacted]NING COMPANY

NINTH FLOOR NEWHOUSE BUILD[redacted]G

Salt Lake City, Utah, JUNE 15, 1951

Purchased From WALTER BENSON

Pay WALTER BENSON, ELY, NEVADA

SP: ELY, NEVADA

Ore CRUDE Lot No. 2 Gold License No.

Sampled by MILVALE Received 6/4/51 Sampled 6/8/51 Assayed 6/9/51

Metal Quotations—Gold 34.9125 Silver 87.75 90.00 Copper, N. Y. 24.075 Lead, N. Y. 17.00 Zinc

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. R. & M. Co.	.025	9.10	1.10	23.20	12.10	27.60	3.80			
Union	.025	[illegible].45	1.10	23.70	12.40	27.50	4.00			
Umpire				23.45	Avg.					
~~Non Soluble~~ Loss				1.50						
Settlement Assay	.025	9.28	1.10	21.95	12.25	27.55	3.90	1.10	1.90	

CAR NOS.	WET WEIGHT
Truck	
US 36	
Truck too large for scales	
Total Wet Weight	14580
Sacks 165	127
Net Weight	14453
Less H_2O 3.2 %	463

METAL VALUE		
Gold 100% @ 31.8183		80
Silver [illegible] oz @ 90.00	7	90
Copper	1	27
Lead	59	18
Zinc		
Gross Value	69	15
Less Working Charge	6	54

WORKING CHARGE		
Treatment Base 30% Lead	6	15
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		81
Insoluble	1	23
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Total Debit	8	19
Iron Credit	1	65
Net Working Charge	6	54

Dry Weight, lbs. 13990 Payment for 6.995 tons @ 62 61 per ton 437.96

Freight advanced @ per ton			
Handling Charge	7.50		
Assay Charges	6.50		
~~Sampling or~~ Watching Charges	4.00	18	00
Hauling Charges Prepaid			
Interstate Motor Lines, Inc., 235 West Third South Street			
Salt Lake City, Utah			
Sax returned via Interstate Motor Lines, Inc. to Ely, Nevada - Collect			
TOTAL NET PROCEEDS		419	96
Amount Withheld Pending Receipt of Silver Affidavit		1	40
NET PROCEEDS PROVISIONAL ~~[illegible]~~		418	56

FORM C.O. 77-2 ®

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

PROVISIONAL SETTLEMENT 568-

Salt Lake City, Utah, OCTOBER 5, 1950

Purchased From WALTER BENSON

Pay WALTER BENSON, ELY NEVADA

SP: ELY, NEVADA

Ore CRUDE *Lot No.* 1 *Gold License No.*

Sampled by MIDVALE *Received* 9/25/50 *Sampled* 9/29/50 *Assayed* 9/30/50

Metal Quotations—Gold 31.9125 *Silver* 90.00 *Copper, N. Y.* *Lead, N. Y.* 16.00 *Zinc*

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. R. & M. Co.	.025	5.00		17.10			3.90			
Union	.04	4.90		17.60			3.70			
Umpire				17.50	avg.					
~~Non-Sulphide Loss~~				1.50						
Settlement Assay	.0325	4.95	.30	16.00	20.10	27.90	3.00	1.20	2.10	

CAR NOS.	WET WEIGHT
Truck 4S-37	
Truck too large for scales	
Total Wet Weight	30000
Sacks 365 weight of:	273
Net Weight	29727
Less H_2O 2.0 %	595

METAL VALUE		
Gold 100% @31.9125	1	03
Silver 100% @90.00	4	01
Copper		
Lead	10	32
Zinc		
Gross Value	45	36
Less Working Charge	9	24

WORKING CHARGE		
Treatment Base 30% Lead	7	50
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.	1	40
Insoluble	2	01
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Total Debit	10	91
Iron Credit	1	67
Net Working Charge	9	24

Dry Weight, lbs. 29132	Payment for 14.566 tons @	36 12 per ton	526.12
Freight advanced @	per ton		
Assay Charges		4.50	
Sampling or Watching Charges		4.00	
Hauling Charges @ 7.19 per		107.85	
Federal Tax 3%		3.24	119 59
~~Interstate Motor Lines, Inc. 235 West 3rd So. Street Salt Lake City, Utah~~			
~~Sacks returned via Interstate Motor Lines to Ely, Nevada -Collect~~			
TOTAL NET PROCEEDS			406 53
Amount Withheld Pending Receipt of Silver Affidavit			11 22
NET PROCEEDS PROVISIONAL SETTLEMENT			395 31

These are only a few of returns from Bureaus.

INTERNATIONAL SMELTING AND REFINING COMPANY

TOOELE PLANT

Salt Lake City, Utah.

Bought of Benson Bros.
Pay Thomas Benson, Jr.
Ely, Nevada

5/10/49

Golden Rod

Shipped from Ely, Nevada

Sampled 4/27 By Class Crude Mine Lot 1 Smelter Lot 6686

Brand	Copper Per Cent	Lead Per Cent	Zinc Per Cent	Silver Oz. Per Ton	Gold Oz. Per Ton	Insoluble Per Cent	Iron Per Cent	Sulphur Per Cent	Lime Per Cent	Arsenic Per Cent
Lot No.	.5	18.6	2.0	8.56	.04	28.8	21.9	.4	3.1	.4
Winning Co.										
Assayer										
		-1.5								
Settlement		17.1								

E. & M. J. METAL QUOTATIONS

Copper (Average for Week Ending)			
Lead (Average for Week Ending)	4/20	15	000
Zinc (Average for Week Ending)			
Silver	4/27	90	000
Gold		$35	000

VALUES PER TON

90%	@ .130415	40	142
-.5 Oz.	@ .90000	7	254
91%	@35.000	1	274
		48	670
		7	996
Value Per Ton		40	674

TREATMENT

Base		5 140
Chg lead under 30% @ .10		1 290
		6 430
Insoluble % @ .10		2 880
Sulphur % @		
Zinc % @		
		9 310
Iron % @ .06		1 314
Lime % @		
Manganese % @		
Net Treatment		7 996

Car Number	Weight	Payment	
		8.4515 Dry Tons @ 40.674 Per Ton	343 76
		Handling charge a/c under 10 tons	7 50
			336 26
Truck			
Net Pounds Weight	17640	Freight @ Per Ton (R. E. Vance)	
Less % of Moisture			
Net Dry Weight		Shipping	
Moisture 4.18		Mine Tax	
Net Dry	16903	Smelter Lot 50871	336 26

Charges made for sampling amounts less than [illegible] except on contracts for specific lots or specific [illegible] subject to change without notice.

WS

10M 7-7-42

AMERICAN SMELTING AND REFINING COMPANY

MURRAY PLANT

SALT LAKE CITY, UTAH. Nov. 2, 1942

BOUGHT OF Benson Bros. MINE LOT NO. 2

RECEIVED 10-24-42 SAMPLED BY EP CLASS crude SHIPPING POINT Ely, Nev.

QUOTATIONS Final gold quot. 34.125 GOLD .70625 SILVER 6.50 less 1.004 LEAD COPPER

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	Sb	Cd
A. S. & R. CO.	.02	11.2	40.4	.2	14.0	1.2	.8	.4	15.1	.3	3.0
UMPIRE											
SETTLEMENT ASSAY	.02	11.2	40.4	.2	14.0	1.2	.8	.4	15.1	.3	3.0

CAR INITIAL	NUMBER	WEIGHT
truck		

VALUES PER TON			
GOLD	@	31.31625	.64
SILVER, 95%	@	.70625	7.51
LEAD, LESS 1.5,906	@	.7792	34.28
COPPER, LESS	@		
			42.43
LESS TOTAL DEDUCTIONS			2.44

DEDUCTIONS PER TON		
BASE		2.35
over 30% lead	cr.	.71
		1.64
LABOR ADJUSTMENT		.31
INSOLUBLE % @		1.40
ZINC % @		
SULPHUR % @		
DEBIT		3.35
IRON % @		.91
TOTAL DEDUCTIONS		2.44

WEIGHT OF LOT 20640

WEIGHT OF 329 SACKS 339

WET WEIGHT 20281

LESS MOISTURE 1.8 % 509

DRY WEIGHT 19772 @ $ 32.99 PER TON $ 595.30

$55.30

567.36

567.36

FREIGHT ADVANCED

ADVANCES Hauling @ 6.00 85.86

SAMPLING 485.44

UMPIRE Sold c/o return of 30 affidavit - - - 38.19

ASSAYING Lead Bonus 567.36

Rates, except on contracts, subject to change without notice. Buyers assays govern if seller fails to make or submit assays prior to acceptance of payment.

NET PROCEEDS $ 421.65

FORM S. L. 247 8M 10-41

AMERICAN SMELTING AND REFINING COMPANY

MURRAY PLANT — SALT LAKE CITY, UTAH. June 27, 194[illegible]

1

BOUGHT OF Benson Bros., Box 117, Kimberly, Nev. MINE _____ LOT NO. _____

RECEIVED 6-15-42 SAMPLED BY W CLASS crude SHIPPING POINT Ely, Nev.

QUOTATIONS _____ GOLD 34.91 5 SILVER .706 5 LEAD 0.50 less 1.004 COPPER _____

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	[illegible]	[illegible]
A. S. & R. CO.	.04	11.1	32.5	.7	18.4	1.7	.6	.4	18.9	.6	2.6
UMPIRE											
SETTLEMENT ASSAY	.04	11.1	32.5	.7	18.4	1.7	.6	.4	18.9	.6	2.6

CAR INITIAL	NUMBER	WEIGHT
	truck	

VALUES PER TON			
GOLD	@	31.813 5	1.27
SILVER, 95%	@	.70625	7.45
LEAD, LESS 1.5, 90%	@	.9198	27.32
COPPER, LESS	@		
			36.04
LESS TOTAL DEDUCTIONS			3.09

DEDUCTIONS PER TON	
BASE	2.35
over 30% lead or.	.06
	2.21
LABOR ADJUSTMENT	.31
INSOLUBLE ____ % @	1.34
ZINC ____ % @	
SULPHUR ____ % @	
DEBIT	4.42
IRON ____ % @	1.13
TOTAL DEDUCTIONS	3.29

WEIGHT OF LOT _____

WEIGHT OF _____ SACKS _____

WET WEIGHT 32600

LESS MOISTURE 1.4 % 456

DRY WEIGHT 32144 @ $ 32.75 PER TON $ 526.36

FREIGHT ADVANCED held s/c return of [illegible] affidavit 60.11

ADVANCES _____

SAMPLING _____

UMPIRE Lead Bonus 244.00

ASSAYING _____

Lead Bonus 244.00 Freight 96.00 ~~Sales 60.11~~

526.36
244.00
770.36
96.00
674.36

Rates, except on contracts, subject to change without notice. Buyers assays govern if seller fails to make or submit assays prior to acceptance of payment.

NET PROCEEDS $ 466.25

JUN

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 2203

Date received 10-31-51

Participation

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application October 29, 1951

Estimated cost $14,000.00

Mineral or metal Copper and lead

Percentage of Government participation 50% to 100%

Location of mine Robinson District, White Pine County, Nevada

Date of filing MF-100 October 29, 1951

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? See Page 7-Supplement to Form MF-100
*2. If a partnership, state names and addresses of partners. Does not apply
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. Page 7, " " "
*4. Describe the mining and general business experience of (a) the applicant, and (b) the person or persons who will manage the project. See Page 5-supplement to Form MF-100
*5. Are you the owner or the lessee of the property? See Page 3- " " " " "
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. Does not apply.

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

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

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

16—64067-1

THE PROPERTY

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

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

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

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

*12. State, in detail, the location of the property with reference to supply roads or shipping points, including distances and directions and kinds and conditions of roads. See Page 9-supplement to Form MF-100

*13. State source and quantity of water available for operations and its sufficiency at all seasons. See Page 9- " " "
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structures now on the property that will be devoted to the exploration work. See Page 10-supplement to Form MF-100

15. State in detail how the ore could be shipped and how and where milled. See Page 6-supplement to Form MF-100

*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: Does not apply

(*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.) Does not apply

(*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 my knowledge and belief.

Kalamax Mining Company
(Name of company)

By Frederick S. Randall
(Signature of authorized official)

October 19, 1951
(Date)

President
(Title)

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

*Same as footnote on page 1.

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

Kalamazoo Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE APPLICANT

6. There are no claims, liens or encumbrances against our property.

THE APPLICANT

8.(a) Financial Statement

Assets

Current:	Cash in Bank Sept.1,1951		
	1st Nat.Bank,Ely	$ 356.79	
	Indus.State B'k,Kazoo	655.91	$ 1,012.70
	Accounts Receivable		
	Compressor Rent		150.00
Fixed:	Property		
	Climax Claim	$12,200.00	
	Climax Claim No.4	12,200.00	
	Lucky Claim	400.00	24,800.00
	Equipment		
	Compressor	$ 2,775.00	
	Jeep	800.00	
	Fisher M-Scope	225.00	
	Miscel.Tools & Supplies	835.00	
	Tugger Hoist	150.00	
		$ 4,785.50	
	Less Depreciation*	4,729.06	56.44
		Total Assets	$25,019.14

Liabilities

Current:	Accounts Payable	-----	
Capital:	(Stock authorised 100,000 shares)		
	(Less un-issued 9,527 ")		
	(Total issued 90,473 shares)		
	(Par $1.00 per share.Twenty shares)		
	(sold at par,balance @ 50¢.)		
	Stock issued for property	48,800 sh.	$24,400.00
	Stock issued for services	500 sh.	250.00
	Stock issued for cash	41,173 sh.	20,596.50
			$45,246.40
Surplus:			-20,227.36
			25,019.14

*Depreciation based on 42 months

THE APPLICANT

8(b) Operating Statement

Ely, Nevada, Properties

Sept.1,1947 - Sept.1,1951

Assays	$ 9.00	
Auto Expense	255.61	
Contract Labor Charges	1,451.50	
Supplies	82.40	
Operating Loss		$1,798.51

Combined Operating Statement

Tonopah and Ely Properties

Sept.1,1947 - Sept.1,1951

Operating Loss, Ely Properties	$ 1,798.51
Operating Loss, Tonopah Properties*	11,857.41
Total Operating Loss	$13,655.92

*The Tonopah, Nevada, properties were leased in December of 1947, and abandoned in July, 1948. Except to account for the bulk of our funds, they have nothing to do with this application. These were silver claims and looked good, but when we found it would cost way beyond our mens to locate anything on them, we dropped them. The following page gives details of this operational loss in case they should be wanted.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE APPLICANT

8(b) Supplement

Operating Statement

Tonopah, Nevada, Properties

Dec.1,1947 - Aug.1,1948

Disbursements

Auto Expense		$ 538.07	
Insurance - State Compensation	$160.71		
Compressor	16.65	177.36	
Lease - Jos. Clifford		2,500.00	
Royalties - Jos. Clifford		305.84	
Taxes - Social Security	$129.70		
Old Age & Unemploym't	367.28	496.98	
Travel - Pres. & Gen'l Mgr.		2,867.79	
Supplies		2,507.44	
Wages		4,793.62	
Total			$14,187.10

Receipts

Sale of Ore	2,329.69
Net Operating Loss	$11,857.41

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE APPLICANT

9. We are prepared to meet our 50% of the cost of this project in the following manner -

Equipment rental value, 12 months @ $100.00	$1,200.00
Supervision, 12 months @ $300.00	3,600.00
Cash*	2,200.00
Total	$7,000.00

*Note: Any cash we are short of to meet our share will be covered by the sale of stock.

However, since it is permissable and since the amount of money we require is comparatively small, we request your consideration of authorizing us an outright grant of $7,000.00.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE PROPERTY

10(a).The real property consists of three contiguous mining claims, two of which are full size, 600'x1500' as permitted by present day regulations. The third one is at present 260' short in length,but steps are now being taken to relocate this claim. The claims are located in Sections 7 and 8,Township 16 North, Range 63 East. They lie a mean distance of three miles from the town of Ely, White Pine County, Nevada, two miles of which are over U.S.Highway 50. From the highway a narrow, one way unimproved road winds through a steep canyon,crossing the lower east-west claim(The Lucky),going up the length of the north-south claim(Climax No.4), reaching the summit near the western end of the upper east-west claim(The Climax) and running back east on that claim to the main workings. The area there is rugged and the elevation of the claims runs from about 6900' to 7600'. No patents have ever been issued on the claims.

(b).Legal Descriptions of the Claims:

(1).....1500 linear feet and horizontal measurments on the CLIMAX lode, vein, ledge or deposit along the vein thereof, with all its dips, angles and variations as allowed by law, together with 300 feet on the North side and 300 feet on the South side of the middle of said vein at the surface; so and all veins, lodes, ledges or deposits and surface ground within the lines of said claim 50 feet running Westerly from the discovery monument, and 1450 feet running Easterly from the discovery monument, said discovery monument being situate upon said lode,vein,ledge or deposit, and within the lines of said claim, in Sections 7 and 8,Township 16 North, Range 63 East, Robinson Mining District,County of White Pine and State of Nevada....

(2)....1500 linear feet and horizontal measurements on the CLIMAX NO.4 lode,vein,ledge or deposit along the vein thereof, with all its dips, angles,and variations as allowed by law,together with 300 feet on the East side and 300 feet on the West side of the middle of said vein at the surface; and all veins,lodes,ledges or deposits and surface ground within the lines of said claim 750 feet running Northerly from the discovery monument, and 750 feet running southerly from the discovery monument,said discovery monument being situate upon said lode,vein,ledge, or deposit, and within the lines of said claim, in Section 8,Township 16 North, Range 63 East, Robinson Mining District,County of White Pine and State of Nevada....

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE PROPERTY

10(b).Legal Descriptions of the Claims, Continued from Page 6:

(3)....1500 linear feet and horizontal measurement on the Lucky Lode,vein ledge or deposit along the vein thereof,with all its dips, angles and variations as allowed by law, together with 300 feet on the north side and 300 feet on the south side of the middle of said vein at the surface, so far as can be determined from present developments; and all veins, lodes, ledges or deposits and surface ground within the lines of said claim 1150 feet running Easterly from the discovery monument, and 350 feet running Westerly from the discovery monument, said discovery monument being situate upon said lode, vein, ledge, or deposit, and within the lines of said claim, in Sections 7 and 8,Township 16 North, Range 63 East, Robinson Mining District, County of White Pine and State of Nevada.....

Note: The foregoing legal descriptions of the Claims were furnished us by the County Clerk of White Pine County Nevada. Since they did not contain the numbers of the Sections and Townships, the latter were inserted by us in accordance of our understanding of the locations. Any errors in these descriptions are unintentional.

(c).Both areas are the same, except that no work is planned for Climax Claim No.4,which runs north and south between the Lucky and the Climax.

(d).We have put in a bid to lease, with option to buy, the other three Climax claims which are contiguous to ours and are shown on the accompanying map. We have no answer as yet.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE PROPERTY

11. The Lucky Claim was formerly called The Doctor.

The Climax Claim was formerly called the Highland Boy No.4.

It is believed that Climax No.4 was formerly the Willmer.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE PROPERTY

15. Ore can be shipped in sacks by trucks, which pick up ore on regular schedules in this area; or it can be shipped by rail. As previously noted, both U.S.Highway 50 and the Nevada Northern Railroad are adjacent to our claims.

The ore in these properties is direct smelting and does not have to be milled.

Copper ore would be shipped to Consolidated Copper Company's smelter at McGill, not over 15 miles away. Lead ore would have to be shipped to Salt Lake City for smelting.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE PROPERTY

19.(a) Direct smelting ore - no milling necessary - means a successful operation is possible on lower grade ore and with a much lower capital investment.

(b) A nearby copper smelter means very low transportation costs on this ore.

(c) No camp has to be built for workers.

(d) Being not over 3 miles from the town of Ely,Nevada, it will not be necessary for some time to invest in a water supply pipe line, as water can be hauled in.

(e) Work can be done on a contract basis,keeping costs down.

(f) Our claims are located in the heart of the country's richest producing district.

(g) We have an important stockholder living only 3 miles from our claims capable of supervising all initial work and operations.

THE EXPLORATION

20. In the Climax there is lead with good silver showings.

In the Lucky there is copper, with a trace of gold.

THE EXPLORATION

21. It is planned to sink a 50-foot shaft in the Lucky Claim, and to drive a 200-foot tunnel into the Climax Claim, as indicated on the enclosed map.

    The time required for both operations, considering winter weather and possible contractual difficulties, will not exceed one year.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE EXPLORATION

22. Geology.

In several places on the Climax, Climax No. 4 and Lucky Claims there are outcroppings of iron, and small veins of copper and lead show in the limestone formation. These generally lead to ore bodies and occur in chambers.

On the west portion of the Lucky there is an outcrop of iron about 50 feet square which is impregnated with copper stain, also there is vein matter about 2 feet in width dipping north into the hill which may, with work, show a good grade of ore in commercial quantities. Other surface showings on the Lucky may be gossans.

On the Climax Claim the showings are lead, born out by samples taken from old dumps, from an old shaft and from our own test shafts. The strike here appears to be East-West, and a narrow vein goes almost the entire length of the claim on the surface. As elsewhere noted, the vein being explored by the Benson Brothers on the west appears to dip into the west end of the Climax, indicating the main ore body could be at that end, although very deep. Our shaft at the east end of the Climax did not intersect the vein we were hoping to hit, but small amounts of rich lead were encountered.

From the showings, we could develop either or both a copper and lead mine on these claims, hence the desirability of exploring both possibilities.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE REQUIREMENTS AND COSTS

23(a)	Labor - on contract: 250' @ $15 per foot	$ 3,750.00
(b)	Supervisor: 1 @ $300.00 per month for 12 months	3,600.00
(c)	None	
(d)	None	
(e)	None	
(f)	None	
(g)	$100 per month for 12 months	1,200.00
(h)		4,450.00
(i)		1,000.00
	Total	$14,000.00

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE REQUIREMENTS AND COSTS

	Lucky Claim Progress	Cost	Climax Claim Progress	Cost
24. 1st month**	10 feet	$ [illegible].00		
2nd "	15 "	840.00		
3rd "	15 "	840.00		
4th "	10 "	560.00	15 feet	$ 840.00
5th "			25 "	1,400.00
6th "			25 "	1,400.00
7th "			25 "	1,400.00
8th "			25 "	1,400.00
9th "			25 "	1,400.00
10th "			25 "	1,400.00
11th "			25 "	1,400.00
12th "			10 "	560.00
	50 feet	$2,800.00	200 feet	$11,200.00
				2,800.00
			Total	$14,000.00

**Based on beginning operations in December or January. It is not feasible to begin operations on the Climax Claim in the winter, but work can be commenced on the Lucky Claim at almost any time of the year.

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 2203

Date received 10-31-51

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

Name and address of applicant

Date October 29, 1951

INSTRUCTIONS

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

DEFENSE MINERALS ADMINISTRATION WASHINGTON 25 NOV 3 9 AM '51

GENERAL TECHNICAL DATA

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

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

   Does not apply

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

   If not in production or operation, estimated date when production will begin .....
6. Experience of operators:
   Describe the mining and general business experience of (a) the applicant, and (b) the person or persons who manage the project.
7. History:
   (a) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (b) State briefly the known history and production of adjoining and neighboring properties.
   (c) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Frederick S. Randall Kalamazoo, Michigan	Pres. - D.	None	10,000.	7400	None	None	None
Harold J. Vandenberg Kalamazoo, Michigan	V.P. - D.	"	25,000	1600	"	"	"
Morris Roberts Ely, Nevada	V.P. - D.	"	15,000.	16,000	"	"	"
Ben R. Preston Kalamazoo, Michigan	D. Sec.-Treas.	"	100,000	2500	"	"	"
Roger C. Gleason Kalamazoo, Michigan	D.	"	90,000.	1500	"	"	"
Allen G. Longstreet Duluth, Minnesota	D.	"	25,000.	7200	"	"	"
Howard Pore Kalamazoo, Michigan	D.	"	250,000.	1000	"	"	"
	Total	None	x x x x x	37,200	None	x x x x x	x x x x x

If more lines are needed continue on separate sheet. See Page 7 - Supplement.

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	$ 100,000.	$ 90,473.	$ 1.00	90,473	None
Preferred stock	$ None	$	$		

*Indicate period covered.

10. Production: Does not apply

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

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. Does not apply

12. Ore or Mineral Reserves: Does not apply

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power: Does not apply

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

16. Labor: Does not apply

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

Kalamax Mining Company
(Name of company)

By Frederick S. Randall
(Signature of authorized official)

October 19, 1951
(Date)

President
(Title)

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

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

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

1. Materials Produced: None.

(a) Chief mine products anticipated are copper and lead.

(b) Byproducts anticipated are silver and gold.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

3. For mining:

(a) Three miles west of Ely, Nevada. Shipping can be done by truck via U.S.Highway 50 which lies 3/4 of a mile below the property; or on the Nevada Northern Railroad, which parallels U.S.Highway 50, by building a loading ramp.

(b) Robinson Mining District.

(c) Township 16 North, Range 63 East, Sections 7 & 8.

(d) White Pine County, Nevada.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

4.(a) Property is not now in operation, and never has been in operation, although exploration work has been done from time to time.

(b) When property goes into operation, we will operate as owners.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

5. Number of years of Production - none.

Estimated date for beginning production is November, 1952, unless development work can be completed sooner.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo,Michigan

GENERAL TECHNICAL DATA

6. Experience of Operators:

(a) The experience of the corporation is limited to the length of time since it was incorporated - Nov.21,1947.

(b) Mr.Morris Roberts, Ely, Nevada, is our Vice-President in Charge of Operations. He has been engaged in mining work since he was a boy, at one time being foreman of of the open pit operation at Ruth, Nevada. While not an engineer, Mr.Roberts is a practical mining man with a good reputation, perfectly capable of handling the development work and early operation of this property.

(c) Mr.Kenneth M.Harris,Winter,Wisconsin, is also available to us.Like Mr.Roberts, Harris is a principal stockholder, he and Roberts being joint owners of the two Climax Claims which are now corporation Property. Harris has had over 15 years of experience in mining operations. In September of this year he spent two weeks in Ely with Mr.Roberts going over the property and discussing development plans outlined in this application.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

7. History:

(a) The only development work we have done on the property is at "K" on the enclosed map, where we sank an 85-foot shaft in 1949 at the eastern end of the Climax Claim. We were attempting to hit a vein which has a good surface showing of lead, but did not reach it. We did nothing more than assessment work in 1950, trying to conserve our meager funds pending a decision by Congress on the various plans being condidered to give federal assistance to small mine operators.

As indicated on the map, considerable work has been done on these claims at one time or another, but almost all the workings were prior to 1900 - probably aimed at finding silver or gold. When none was located in paying quantities, the old timers moved on.

At the point "A" on the map, a tunnel 100-feet long was driven, date unknown. Some desultory work was done there in 1929 and 1930 by the Benson Brothers, who now own the Greenstake Claims adjoining the Climax Claim to the west. Nothing was shipped.

Considerable work was done in the vicinity of "C", apparently very old. There are two shafts and three openings to or from filled stopes. These workings are about 200-feet higher than the tunnel driven into the hill at "B", which might have been driven with the intention of intersecting the downward continuation of the vein at "C". This tunnel is 334 feet in length, but would have to be driven an additional 300 feet to get under the old workings.

(b) The Benson Brothers have been shipping lead ore in small quantities from the Greenstake claims, formerly the Golden Rule Claims, periodically since 1934, except while the three men were in service during World War II. Attached are some assay reports and smelter returns belonging to the Bensons. They are now down about 325 feet and are blocking out shipping ore. Their vein appears to dip into the Climax Claim.

(c) No private reports are available. Attached are copies of assay reports made in 1941 from samples taken from various test shafts on the Climax. During September we sank a short shaft in the Lucky to test the copper showings and see if we could locate the direction the vein dipped.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

8. Continued from the form - Five largest stockholders:

(a) Name & Address	(d) * Net Worth	(e) Shares of Common Stock
John E.Fetzer Kalamazoo,Mich.	$250,000.00	16,000
Kenneth M.Harris Winter,Wis.	25,000.00	16,000
Morris Roberts Ely,Nevada	15,000.00	16,000
Frederick S.Randall Kalamazoo,Mich.	10,000.00	7,400
Allen J.Longstreet Duluth,Minn.	25,000.00	7,200
Charles J.Monroe Kalamazoo,Mich.	1,000,000.00 plus	7,200

*Estimates only based on fairly accurate knowledge.

Kalamazoo Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

13. Access Roads:

It is 3/4 of a mile from our top claim, The Climax, to U.S.Highway 50, where trucks pick up sacked ore. It is only a few yards further to the Nevada Northern Railroad, which parallels the highway at that point, and where a loading ramp can be built when needed.

The road from our claim to the highway and the railroad is one-way and unimproved, and half of it is quite steep; but it is passable for 4-wheel-drive trucks, jeeps,etc. The lower claim, The Lucky, is accessible to any type of vehicle.

It is a little over 2 miles from our road to Ely - our supply and resident point.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

14. Water Supply:

Water is obtained in Ely, two miles away, and hauled by truck to our property. There is an ample supply from the city water works for all seasons of the year. We have not felt it necessary at this time to investigate either the feasibility or the cost of piping water in from Ely.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

17. Equipment and Facilities:

We have a portable gasoline compressor, hose and tools on the Lucky Claim at the present time.

We have no buildings on our property. Our equipment, tools and supplies are stored in Ely and brought out as needed.

Equipment now available and in serviceable condition included that mentioned above, a tugger hoist and cable, small tools such as drills, and a small inventory of supplies.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

18. The ore in these claims is direct-smelting, eliminating the need for milling.

We consider this one of our best assets since it means a smaller capital investment is needed, production costs will be greatly reduced, time from mine to smelter is greatly reduced, and there is the possibility of a successful operation on lower grade ores.

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 22203

Date received 10-31-51

Participation

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

Name and address of applicant

Date Oct. 29, 1951

FILL IN THIS BLOCK

Date of application October 29, 1951

Estimated cost $14,000.00

Mineral or metal Copper and lead

Percentage of Government participation 50% to 100%

Location of mine Robinson District, White Pine County, Nevada

Date of filing MF-100 October 29, 1951

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? See Page 7-Supplement to Form MF-100

*2. If a partnership, state names and addresses of partners. Does not apply

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. Page 7, " " "

*4. Describe the mining and general business experience of (a) the applicant and (b) the person or persons who will manage the project. See Page 5-Supplement to Form MF-100

*5. Are you the owner or the lessee of the property? See Page 3- " " " " "

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. Does not apply.

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

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

16—64067-1

THE PROPERTY

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

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

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

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

*12. State, in detail, the location of the property with ~~sufficient~~ See Page 8-supplement to Form MF-100 ~~to show~~ its location, 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. See Page 9- " " "
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, etc., on the property that will be used to the exploration work. See Page 10-supplement to Form MF-100

15. State in detail how the ore could be shipped and how and where milled. See Page 6-supplement to Form MF-100

*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. Does not apply

*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				

Does not apply

*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~~.

Kalamax Mining Company
(Name of company)

By Frederick S. Randall
(Signature of authorized official)

October 19, 1951
(Date)

President
(Title)

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

*Same as footnote on page 1.

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

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE APPLICANT

6. There are no claims, liens or encumbrances against our property.

THE APPLICANT

8.(a) Financial Statement

Assets

Current:	Cash in Bank Sept.1,1951		
	1st Nat.Bank,Ely	$ 356.79	
	Indus.State B'k,Kazoo	655.91	$ 1,012.70
	Accounts Receivable		
	Compressor Rent		150.00
Fixed:	Property		
	Climax Claim	$12,200.00	
	Climax Claim No.4	12,200.00	
	Lucky Claim	400.00	
			24,800.00
	Equipment		
	Compressor	$ 2,775.00	
	Jeep	800.00	
	Fisher M-Scope	225.00	
	Miscel.Tools & Supplies	835.00	
	Tugger Hoist	150.00	
		$ 4,785.50	
	Less Depreciation*	4,729.06	
			56.44
	Total Assets		$25,019.14

Liabilities

Current:	Accounts Payable	-----	
Capital:	(Stock authorized	100,000 shares)	
	(Less un-issued	9,527 ")	
	(Total issued	90,473 shares)	
	(Par $1.00 per share.Twenty shares sold at par,balance @ 50¢.)		
	Stock issued for property	48,800 sh.	$24,400.00
	Stock issued for services	500 sh.	250.00
	Stock issued for cash	41,173 sh.	20,596.50
			$45,246.40
Surplus:			-20,227.36
			25,019.14

*Depreciation based on 42 months

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE APPLICANT

8(b) Operating Statement

Ely, Nevada, Properties

Sept.1,1947 - Sept.1,1951

Assays	$ 9.00	
Auto Expense	255.61	
Contract Labor Charges	1,451.50	
Supplies	82.40	
Operating Loss		$1,798.51

Combined Operating Statement

Tonopah and Ely Properties

Sept.1,1947 - Sept.1,1951

Operating Loss, Ely Properties	$ 1,798.51
Operating Loss, Tonopah Properties*	11,857.41
Total Operating Loss	$13,655.92

*The Tonopah, Nevada, properties were leased in December of 1947, and abandoned in July, 1948. Except to account for the bulk of our funds, they have nothing to do with this application. These were silver claims and looked good, but when we found it would cost way beyond our mens to locate anything on them, we dropped them. The following page gives details of this operational loss in case they should be wanted.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE APPLICANT

8(b) Supplement

Operating Statement

Tonopah, Nevada, Properties

Dec. 1, 1947 - Aug. 1, 1948

Disbursements

Auto Expense		$ 538.07	
Insurance - State Compensation	$160.71		
Compressor	16.65	177.36	
Lease - Jos. Clifford		2,500.00	
Royalties - Jos. Clifford		305.84	
Taxes - Social Security	$129.70		
Old Age & Unemploym't	367.28	496.98	
Travel - Pres. & Gen'l Mgr.		2,867.79	
Supplies		2,507.44	
Wages		4,793.62	
Total			$14,187.10

Receipts

Sale of Ore	2,329.69
Net Operating Loss	$11,857.41

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE APPLICANT

9. We are prepared to meet our 50% of the cost of this project in the following manner -

Equipment rental value, 12 months @ $100.00	$1,200.00
Supervision, 12 months @ $300.00	3,600.00
Cash*	2,200.00
Total	$7,000.00

*Note: Any cash we are short of to meet our share will be covered by the sale of stock.

However, since it is permissable and since the amount of money we require is comparatively small, we request your consideration of authorizing us an outright grant of $7,000.00.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE PROPERTY

10(a).The real property consists of three contiguous mining claims, two of which are full size, 600'x1500' as permitted by present day regulations. The third one is at present 260' short in length,but steps are now being taken to relocate this claim. The claims are located in Sections 7 and 8,Township 16 North, Range 63 East. They lie a mean distance of three miles from the town of Ely, White Pine County, Nevada, two miles of which are over U.S.Highway 50. From the highway a narrow, one way unimproved road winds through a steep canyon,crossing the lower east-west claim(The Lucky),going up the length of the north-south claim(Climax No.4), reaching the summit near the western end of the upper east-west claim(The Climax) and running back east on that claim to the main workings. The area there is rugged and the elevation of the claims runs from about 6900' to 7600'. No patents have ever been issued on the claims.

(b).Legal Descriptions of the Claims:

(1).....1500 linear feet and horizontal measurments on the CLIMAX lode, vein, ledge or deposit along the vein thereof, with all its dips, angles and variations as allowed by law, together with 300 feet on the North side and 300 feet on the South side of the middle of said vein at the surface; so and all veins, lodes, ledges or deposits and surface ground within the lines of said claim 50 feet running Westerly from the discovery monument, and 1450 feet running Easterly from the discovery monument, said discovery monument being situate upon said lode,vein,ledge or deposit, and within the lines of said claim, in Sections 7 and 8,Township 16 North, Range 63 East, Robinson Mining District,County of White Pine and State of Nevada....

(2)....1500 linear feet and horizontal measurements on the CLIMAX NO.4 lode,vein,ledge or deposit along the vein thereof, with all its dips, angles,and variations as allowed by law,together with 300 feet on the East side and 300 feet on the West side of the middle of said vein at the surface; and all veins,lodes,ledges or deposits and surface ground within the lines of said claim 750 feet running Northerly from the discovery monument, and 750 feet running southerly from the discovery monument,said discovery monument being situate upon said lode,vein,ledge, or deposit, and within the lines of said claim, in Section 8,Township 16 North, Range 63 East, Robinson Mining District,County of White Pine and State of Nevada....

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE PROPERTY

10(b).Legal Descriptions of the Claims, Continued from Page 6:

(3)....1500 linear feet and horizontal measurement on the Lucky Lode,vein ledge or deposit along the vein thereof,with all its dips, angles and variations as allowed by law, together with 300 feet on the north side and 300 feet on the south side of the middle of said vein at the surface, so far as can be determined from present developments; and all veins, lodes, ledges or deposits and surface ground within the lines of said claim 1150 feet running Easterly from the discovery monument, and 350 feet running Westerly from the discovery monument, said discovery monument being situate upon said lode, vein, ledge, or deposit, and within the lines of said claim, in Sections 7 and 8,Township 16 North, Range 63 East, Robinson Mining District, County of White Pine and State of Nevada.....

Note: The foregoing legal descriptions of the Claims were furnished us by the County Clerk of White Pine County Nevada. Since they did not contain the numbers of the Sections and Townships, the latter were inserted by us in accordance of our understanding of the locations. Any errors in these descriptions are unintentional.

(c).Both areas are the same, except that no work is planned for Climax Claim No.4,which runs north and south between the Lucky and the Climax.

(d).We have put in a bid to lease, with option to buy, the other three Climax claims which are contiguous to ours and are shown on the accompanying map. We have no answer as yet.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE PROPERTY

11. The Lucky Claim was formerly called The Doctor.

The Climax Claim was formerly called the Highland Boy No.4.

It is believed that Climax No.4 was formerly the Willmer.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE PROPERTY

15. Ore can be shipped in sacks by trucks, which pick up ore on regular schedules in this area; or it can be shipped by rail. As previously noted, both U.S.Highway 50 and the Nevada Northern Railroad are adjacent to our claims.

The ore in these properties is direct smelting and does not have to be milled.

Copper ore would be shipped to Consolidated Copper Company's smelter at McGill, not over 15 miles away. Lead ore would have to be shipped to Salt Lake City for smelting.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE PROPERTY

19.(a) Direct smelting ore - no milling necessary - means a successful operation is possible on lower grade ore and with a much lower capital investment.

(b) A nearby copper smelter means very low transportation costs on this ore.

(c) No camp has to be built for workers.

(d) Being not over 3 miles from the town of Ely,Nevada, it will not be necessary for some time to invest in a water supply pipe line, as water can be hauled in.

(e) Work can be done on a contract basis,keeping costs down.

(f) Our claims are located in the heart of the country's richest producing district.

(g) We have an important stockholder living only 3 miles from our claims capable of supervising all initial work and operations.

THE EXPLORATION

20. In the Climax there is lead with good silver showings.

In the Lucky there is copper, with a trace of gold.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE EXPLORATION

21. It is planned to sink a 50-foot shaft in the Lucky Claim, and to drive a 200-foot tunnel into the Climax Claim, as indicated on the enclosed map.

    The time required for both operations, considering winter weather and possible contractual difficulties, will not exceed one year.

Kalamax Mining Company
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Kalamazoo, Michigan

THE EXPLORATION

22. Geology.

In several places on the Climax, Climax No.4 and Lucky Claims there are outcroppings of iron, and small veins of copper and lead show in the limestone formation. These generally lead to ore bodies and occur in chambers.

On the west portion of the Lucky there is an outcrop of iron about 50 feet square which is impregnated with copper stain, also there is vein matter about 2 feet in width dipping north into the hill which may, with work, show a good grade of ore in commercial quantities. Other surface showings on the Lucky may be gossans.

On the Climax Claim the showings are lead, born out by samples taken from old dumps, from an old shaft and from our own test shafts. The strike here appears to be East-West, and a narrow vein goes almost the entire length of the claim on the surface. As elsewhere noted, the vein being explored by the Benson Brothers on the west appears to dip into the west end of the Climax, indicating the main ore body could be at that end, although very deep. Our shaft at the east end of the Climax did not intersect the vein we were hoping to hit, but small amounts of rich lead were encountered.

From the showings, we could develop either or both a copper and lead mine on these claims, hence the desirability of exploring both possibilities.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE REQUIREMENTS AND COSTS

23(a)	Labor - on contract: 250' @ $15 per foot	$ 3,750.00
(b)	Supervisor: 1 @ $300.00 per month for 12 months	3,600.00
(c)	None	
(d)	None	
(e)	None	
(f)	None	
(g)	$100 per month for 12 months	1,200.00
(h)		4,450.00
(i)		1,000.00
	Total	$14,000.00

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE REQUIREMENTS AND COSTS

	Lucky Claim Progress	Cost	Climax Claim Progress	Cost
24. 1st month**	10 feet	$ [illegible].00		
2nd "	15 "	840.00		
3rd "	15 "	840.00		
4th "	10 "	560.00	15 feet	$ 840.00
5th "			25 "	1,400.00
6th "			25 "	1,400.00
7th "			25 "	1,400.00
8th "			25 "	1,400.00
9th "			25 "	1,400.00
10th "			25 "	1,400.00
11th "			25 "	1,400.00
12th "			10 "	560.00
	50 feet	$2,800.00	200 feet	$11,200.00
				2,800.00
			Total	$14,000.00

**Based on beginning operations in December or January. It is not feasible to begin operations on the Climax Claim in the winter, but work can be commenced on the Lucky Claim at almost any time of the year.

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 2203

Date received 10-31-51

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

Name and address of applicant

Date October 29, 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

   Does not apply

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

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

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

DEFENSE MINERALS ADMINISTRATION D.C. NOV 5 PM '51

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Frederick S.Randall Kalamazoo,Michigan	Pres. - D.	None	10,000.	7400	None	None	None
Harold J.Vandenberg Kalamazoo,Michigan	V.P. - D.	"	25,000.	1600	"	"	"
Morris Roberts Ely, Nevada	V.P. - D.	"	15,000.	16,000	"	"	"
Ben R.Preston Kalamazoo,Michigan	D. Sec.-Treas.	"	100,000.	2500	"	"	"
Roger C.Gleason Kalamazoo,Michigan	D.	"	50,000.	1500	"	"	"
Allan G.Longstreet Duluth,Minnesota	D.	"	25,000.	7200	"	"	"
Howard Pore Kalamazoo, Michigan	D.	"	250,000.	1000	"	"	"
	Total	None	x x x x x	37,200	None	x x x x x	x x x x x

If more lines are needed continue on separate sheet. See Page 7 - Supplement.

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	$100,000.	$90,473.	$1.00	90,473	None
Preferred stock	None	$	$		

*Indicate period covered.

10. Production: Does not apply

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

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. Does not apply

12. Ore or Mineral Reserves: Does not apply

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power: Does not apply

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

16. Labor: Does not apply

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

Kalamax Mining Company
(Name of company)

By Frederick S. Randall
(Signature of authorized official)

October 29, 1951
(Date)

President
(Title)

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

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

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

1. Materials Produced: None.

   (a) Chief mine products anticipated are copper and lead.

   (b) Byproducts anticipated are silver and gold.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

3. For mining:

(a) Three miles west of Ely, Nevada. Shipping can be done by truck via U.S.Highway 50 which lies 3/4 of a mile below the property; or on the Nevada Northern Railroad, which parallels U.S.Highway 50, by building a loading ramp.

(b) Robinson Mining District.

(c) Township 16 North, Range 63 East, Sections 7 & 8.

(d) White Pine County, Nevada.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo,Michigan

GENERAL TECHNICAL DATA

4.(a) Property is not now in operation, and never has been in operation, although exploration work has been done from time to time.

(b) When property goes into operation, we will operate as owners.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

5. Number of years of Production - none.

   Estimated date for beginning production is November, 1952, unless development work can be completed sooner.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo,Michigan

GENERAL TECHNICAL DATA

6. Experience of Operators:

(a) The experience of the corporation is limited to the length of time since it was incorporated - Nov.21,1947.

(b) Mr.Morris Roberts, Ely, Nevada, is our Vice-President in Charge of Operations. He has been engaged in mining work since he was a boy, at one time being foreman of of the open pit operation at Ruth, Nevada. While not an engineer, Mr.Roberts is a practical mining man with a good reputation, perfectly capable of handling the development work and early operation of this property.

(c) Mr.Kenneth M.Harris,Winter,Wisconsin, is also available to us.Like Mr.Roberts, Harris is a principal stockholder, he and Roberts being joint owners of the two Climax Claims which are now corporation Property. Harris has had over 15 years of experience in mining operations. In September of this year he spent two weeks in Ely with Mr.Roberts going over the property and discussing development plans outlined in this application.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

7. History:

(a) The only development work we have done on the property is at "K" on the enclosed map, where we sank an 85-foot shaft in 1949 at the eastern end of the Climax Claim. We were attempting to hit a vein which has a good surface showing of lead, but did not reach it. We did nothing more than assessment work in 1950, trying to conserve our meager funds pending a decision by Congress on the various plans being condidered to give federal assistance to small mine operators.

As indicated on the map, considerable work has been done on these claims at one time or another, but almost all the workings were prior to 1900 - probably aimed at finding silver or gold. When none was located in paying quantities, the old timers moved on.

At the point "A" on the map, a tunnel 100-feet long was driven, date unknown. Some desultory work was done there in 1929 and 1930 by the Benson Brothers, who now own the Greenstake Claims adjoining the Climax Claim to the west. Nothing was shipped.

Considerable work was done in the vicinity of "C", apparently very old. There are two shafts and three openings to or from filled stopes. These workings are about 200-feet higher than the tunnel driven into the hill at "B", which might have been driven with the intention of intersecting the downward continuation of the vein at "C". This tunnel is 334 feet in length,but would have to be driven an additional 300 feet to get under the old workings.

(b) The Benson Brothers have been shipping lead ore in small quantities from the Greenstake claims,formerly the Golden Rule Claims, periodically since 1934,except while the three men were in service during World War II. Attached are some assay reports and smelter returns belonging to the Bensons. They are now down about 325 feet and are blocking out shipping ore.Their vein appears to dip into the Climax Claim.

(c) No private reports are available. Attached are copies of assay reports made in 1941 from samples taken from various test shafts on the Climax. During September we sank a short shaft in the Lucky to test the copper showings and see if we could locate the direction the vein dipped.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

8. Continued from the form - Five largest stockholders:

(a) Name & Address	(d) * Net Worth	(e) Shares of Common Stock
John E.Fetzer Kalamazoo,Mich.	$250,000.00	16,000
Kenneth M.Harris Winter,Wis.	25,000.00	16,000
Morris Roberts Ely,Nevada	15,000.00	16,000
Frederick S.Randall Kalamazoo,Mich.	10,000.00	7,400
Allen J.Longstreet Duluth,Minn.	25,000.00	7,200
Charles J.Monroe Kalamazoo,Mich.	1,000,000.00 plus	7,200

*Estimates only based on fairly accurate knowledge.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

13. Access Roads:

It is 3/4 of a mile from our top claim, The Climax, to U.S.Highway 50, where trucks pick up sacked ore. It is only a few yards further to the Nevada Northern Railroad, which parallels the highway at that point, and where a loading ramp can be built when needed.

The road from our claim to the highway and the railroad is one-way and unimproved, and half of it is quite steep; but it is passable for 4-wheel-drive trucks, jeeps,etc. The lower claim, The Lucky, is accessible to any type of vehicle.

It is a little over 2 miles from our road to Ely - our supply and resident point.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

14. Water Supply:

Water is obtained in Ely, two miles away, and hauled by truck to our property. There is an ample supply from the city water works for all seasons of the year. We have not felt it necessary at this time to investigate either the feasibility or the cost of piping water in from Ely.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

17. Equipment and Facilities:

We have a portable gasoline compressor, hose and tools on the Lucky Claim at the present time.

We have no buildings on our property. Our equipment, tools and supplies are stored in Ely and brought out as needed.

Equipment now available and in serviceable condition included that mentioned above, a tugger hoist and cable, small tools such as drills, and a small inventory of supplies.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

18. The ore in these claims is direct-smelting, eliminating the need for milling.

We consider this one of our best assets since it means a smaller capital investment is needed, production costs will be greatly reduced, time from mine to smelter is greatly reduced, and there is the possibility of a successful operation on lower grade ores.

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 2203

Date received 10-31-51

Participation

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application October 29, 1951

Estimated cost $14,000.00

Mineral or metal Copper and lead

Percentage of Government participation 50% to 100%

Location of mine Robinson District, White Pine County, Nevada

Date of filing MF-100 October 29, 1951

DMA Docket Number, if available

INSTRUCTIONS

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

RECEIVED MINERALS ADMINISTRATION WASHINGTON 25, D.C. NOV 3 1951

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? See Page 7-Supplement to Form MF-100
*2. If a partnership, state names and addresses of partners. Does not apply
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. Page 7, " " "
*4. Describe the mining and general business experience of (a) the applicant, and (b) the person or persons who will manage the project. See Page 3-Supplement to Form MF-100
*5. Are you the owner or the lessee of the property? See Page 3- " " " " "
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. Does not apply.

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

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

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

16—64067-1

THE PROPERTY

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

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

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

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

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads. See Page-Supplement to Form MF-100

*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. See Page 9- " " "

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. See Page 10-Supplement to Form MF-100

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

*16. History: See Page 6-Supplement to Form MF-100

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

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

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

*17. Production: Does not apply

(*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.) Does not apply

(*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.

Kalamax Mining Company
(Name of company)

By Frederick S. Randall
(Signature of authorized official)

October 19, 1951
(Date)

President
(Title)

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

*Same as footnote on page 1.

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

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE APPLICANT

6. There are no claims, liens or encumbrances against our property.

Kalamax[illegible]ning Company
115 Alle[illegible] Blvd
Kalamazoo, Michigan

THE APPLICANT

8.(a) Financial Statement

Assets

Current:	Cash in Bank Sept.1,1951		
	1st Nat.Bank,Ely	$ 356.79	
	Indus.State B'k,Kazoo	655.91	$ 1,012.70
	Accounts Receivable		
	Compressor Rent		150.00
Fixed:	Property		
	Climax Claim	$12,200.00	
	Climax Claim No.4	12,200.00	
	Lucky Claim	400.00	24,800.00
	Equipment		
	Compressor	$ 2,775.00	
	Jeep	800.00	
	Fisher M-Scope	225.00	
	Miscel.Tools & Supplies	835.00	
	Tugger Hoist	150.00	
		$ 4,785.50	
	Less Depreciation*	4,729.06	56.44
	Total Assets		$25,019.14

Liabilities

Current:	Accounts Payable	-----	
Capital:	(Stock authorized	100,000 shares)	
	(Less un-issued	9,527 ")	
	(Total issued	90,473 shares)	
	(Par $1.00 per share.Twenty shares)		
	(sold at par,balance @ 50¢.)		
	Stock issued for property	48,800 sh.	$24,400.00
	Stock issued for services	500 sh.	250.00
	Stock issued for cash	41,173 sh.	20,596.50
			$45,246.40
Surplus:			-20,227.36
			25,019.14

*Depreciation based on 42 months

THE APPLICANT

8(b) Operating Statement

Ely, Nevada, Properties

Sept.1,1947 - Sept.1,1951

Assays	$ 9.00	
Auto Expense	255.61	
Contract Labor Charges	1,451.50	
Supplies	82.40	
Operating Loss		$1,798.51

Combined Operating Statement

Tonopah and Ely Properties

Sept.1,1947 - Sept.1,1951

Operating Loss, Ely Properties	$ 1,798.51
Operating Loss, Tonopah Properties*	11,857.41
Total Operating Loss	$13,655.92

*The Tonopah, Nevada, properties were leased in December of 1947, and abandoned in July, 1948. Except to account for the bulk of our funds, they have nothing to do with this application. These were silver claims and looked good, but when we found it would cost way beyond our mens to locate anything on them, we dropped them. The following page gives details of this operational loss in case they should be wanted.

Kalamax Mining Company
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THE APPLICANT

8(b) Supplement

Operating Statement

Tonopah, Nevada, Properties

Dec.1,1947 - Aug.1,1948

Disbursements

Auto Expense		$ 538.07	
Insurance - State Compensation	$160.71		
Compressor	16.65	177.36	
Lease - Jos. Clifford		2,500.00	
Royalties - Jos. Clifford		305.84	
Taxes - Social Security	$129.70		
Old Age & Unemploym't	367.28	496.98	
Travel - Pres. & Gen'l Mgr.		2,867.79	
Supplies		2,507.44	
Wages		4,793.62	
Total			$14,187.10

Receipts

Sale of Ore	2,329.69
Net Operating Loss	$11,857.41

Kalamax Mining Company
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Kalamazoo, Michigan

THE APPLICANT

9. We are prepared to meet our 50% of the cost of this project in the following manner -

Equipment rental value, 12 months @ $100.00	$1,200.00
Supervision, 12 months @ $300.00	3,600.00
Cash*	2,200.00
Total	$7,000.00

*Note: Any cash we are short of to meet our share will be covered by the sale of stock.

However, since it is permissable and since the amount of money we require is comparatively small, we request your consideration of authorizing us an outright grant of $7,000.00.

Kalamax Mining Company
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Kalamazoo, Michigan

THE PROPERTY

10(a).The real property consists of three contiguous mining claims, two of which are full size, 600'x1500' as permitted by present day regulations. The third one is at present 260' short in length,but steps are now being taken to relocate this claim. The claims are located in Sections 7 and 8,Township 16 North, Range 63 East. They lie a mean distance of three miles from the town of Ely, White Pine County, Nevada, two miles of which are over U.S.Highway 50. From the highway a narrow, one way unimproved road winds through a steep canyon,crossing the lower east-west claim(The Lucky),going up the length of the north-south claim(Climax No.4), reaching the summit near the western end of the upper east-west claim(The Climax) and running back east on that claim to the main workings. The area there is rugged and the elevation of the claims runs from about 6900' to 7600'. No patents have ever been issued on the claims.

(b).Legal Descriptions of the Claims:

(1).....1500 linear feet and horizontal measurments on the CLIMAX lode, vein, ledge or deposit along the vein thereof, with all its dips, angles and variations as allowed by law, together with 300 feet on the North side and 300 feet on the South side of the middle of said vein at the surface; so and all veins, lodes, ledges or deposits and surface ground within the lines of said claim 50 feet running Westerly from the discovery monument, and 1450 feet running Easterly from the discovery monument, said discovery monument being situate upon said lode,vein,ledge or deposit, and within the lines of said claim, in Sections 7 and 8,Township 16 North, Range 63 East, Robinson Mining District,County of White Pine and State of Nevada....

(2)....1500 linear feet and horizontal measurements on the CLIMAX NO.4 lode,vein,ledge or deposit along the vein thereof, with all its dips, angles,and variations as allowed by law,together with 300 feet on the East side and 300 feet on the West side of the middle of said vein at the surface; and all veins,lodes,ledges or deposits and surface ground within the lines of said claim 750 feet running Northerly from the discovery monument, and 750 feet running southerly from the discovery monument,said discovery monument being situate upon said lode,vein,ledge, or deposit, and within the lines of said claim, in Section 8,Township 16 North, Range 63 East, Robinson Mining District,County of White Pine and State of Nevada....

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Kalamazoo, Michigan

THE PROPERTY

10(b).Legal Descriptions of the Claims, Continued from Page 6:

(3)....1500 linear feet and horizontal measurement on the Lucky Lode,vein ledge or deposit along the vein thereof,with all its dips, angles and variations as allowed by law, together with 300 feet on the north side and 300 feet on the south side of the middle of said vein at the surface, so far as can be determined from present developments; and all veins, lodes, ledges or deposits and surface ground within the lines of said claim 1150 feet running Easterly from the discovery monument, and 350 feet running Westerly from the discovery monument, said discovery monument being situate upon said lode, vein, ledge, or deposit, and within the lines of said claim, in Sections 7 and 8,Township 16 North, Range 63 East, Robinson Mining District, County of White Pine and State of Nevada.....

Note: The foregoing legal descriptions of the Claims were furnished us by the County Clerk of White Pine County Nevada. Since they did not contain the numbers of the Sections and Townships, the latter were inserted by us in accordance of our understanding of the locations. Any errors in these descriptions are unintentional.

(c).Both areas are the same, except that no work is planned for Climax Claim No.4,which runs north and south between the Lucky and the Climax.

(d).We have put in a bid to lease, with option to buy, the other three Climax claims which are contiguous to ours and are shown on the accompanying map. We have no answer as yet.

Kalamax Mining Company
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THE PROPERTY

11. The Lucky Claim was formerly called The Doctor.

The Climax Claim was formerly called the Highland Boy No.4.

It is believed that Climax No.4 was formerly the Willmer.

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THE PROPERTY

15. Ore can be shipped in sacks by trucks, which pick up ore on regular schedules in this area; or it can be shipped by rail. As previously noted, both U.S.Highway 50 and the Nevada Northern Railroad are adjacent to our claims.

The ore in these properties is direct smelting and does not have to be milled.

Copper ore would be shipped to Consolidated Copper Company's smelter at McGill, not over 15 miles away. Lead ore would have to be shipped to Salt Lake City for smelting.

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THE PROPERTY

19.(a) Direct smelting ore - no milling necessary - means a successful operation is possible on lower grade ore and with a much lower capital investment.

(b) A nearby copper smelter means very low transportation costs on this ore.

(c) No camp has to be built for workers.

(d) Being not over 3 miles from the town of Ely,Nevada, it will not be necessary for some time to invest in a water supply pipe line, as water can be hauled in.

(e) Work can be done on a contract basis,keeping costs down.

(f) Our claims are located in the heart of the country's richest producing district.

(g) We have an important stockholder living only 3 miles from our claims capable of supervising all initial work and operations.

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THE EXPLORATION

20. In the Climax there is lead with good silver showings.

In the Lucky there is copper, with a trace of gold.

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THE EXPLORATION

21. It is planned to sink a 50-foot shaft in the Lucky Claim, and to drive a 200-foot tunnel into the Climax Claim, as indicated on the enclosed map.

    The time required for both operations, considering winter weather and possible contractual difficulties, will not exceed one year.

THE EXPLORATION

22. Geology.

In several places on the Climax, Climax No.4 and Lucky Claims there are outcroppings of iron, and small veins of copper and lead show in the limestone formation. These generally lead to ore bodies and occur in chambers.

On the west portion of the Lucky there is an outcrop of iron about 50 feet square which is impregnated with copper stain, also there is vein matter about 2 feet in width dipping north into the hill which may, with work, show a good grade of ore in commercial quantities. Other surface showings on the Lucky may be gossans.

On the Climax Claim the showings are lead, born out by samples taken from old dumps, from an old shaft and from our own test shafts. The strike here appears to be East-West, and a narrow vein goes almost the entire length of the claim on the surface. As elsewhere noted, the vein being explored by the Benson Brothers on the west appears to dip into the west end of the Climax, indicating the main ore body could be at that end, although very deep. Our shaft at the east end of the Climax did not intersect the vein we were hoping to hit, but small amounts of rich lead were encountered.

From the showings, we could develop either or both a copper and lead mine on these claims, hence the desirability of exploring both possibilities.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE REQUIREMENTS AND COSTS

23(a)	Labor - on contract: 250' @ $15 per foot	$ 3,750.00
(b)	Supervisor: 1 @ $300.00 per month for 12 months	3,600.00
(c)	None	
(d)	None	
(e)	None	
(f)	None	
(g)	$100 per month for 12 months	1,200.00
(h)		4,450.00
(i)		1,000.00
	Total	$14,000.00

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

THE REQUIREMENTS AND COSTS

	Lucky Claim Progress	Cost	Climax Claim Progress	Cost
24. 1st month**	10 feet	$ 560.00		
2nd "	15 "	840.00		
3rd "	15 "	840.00		
4th "	10 "	560.00	15 feet	$ 840.00
5th "			25 "	1,400.00
6th "			25 "	1,400.00
7th "			25 "	1,400.00
8th "			25 "	1,400.00
9th "			25 "	1,400.00
10th "			25 "	1,400.00
11th "			25 "	1,400.00
12th "			10 "	560.00
	50 feet	$2,800.00	200 feet	$11,200.00
				2,800.00
			Total	$14,000.00

**Based on beginning operations in December or January. It is not feasible to begin operations on the Climax Claim in the winter, but work can be commenced on the Lucky Claim at almost any time of the year.

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. dmd 22203

Date received 10-31-51

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

Name and address of applicant

Date October 19, 1951

INSTRUCTIONS

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

DEFENSE MINERALS ADMINISTRATION
MINING DIV.

GENERAL TECHNICAL DATA

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

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

   Does not apply

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

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

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Frederick S. Randall Kalamazoo, Michigan	Pres. - D.	None	10,000.	7400	None	None	None
Harold J. Vandenberg Kalamazoo, Michigan	V.P. - D.	"	25,000	1600	"	"	"
Morris Roberts Ely, Nevada	V.P. - D.	"	15,000.	16,000	"	"	"
Ben R. Preston Kalamazoo, Michigan	D. Sec.-Treas.	"	100,000.	2500	"	"	"
Roger C. Gleason Kalamazoo, Michigan	D.	"	50,000.	1500	"	"	"
Allan G. Longstreet Duluth, Minnesota	D.	"	25,000.	7200	"	"	"
Howard Pore Kalamazoo, Michigan	D.	"	250,000.	1000	"	"	"
	Total	None	x x x x x	37,200	None	x x x x x	x x x x x

If more lines are needed continue on separate sheet. See Page 7 - Supplement.

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	$ 100,000.	$ 90,473.	$ 1.00	90,473	None
Preferred stock	$ None	$	$		

*Indicate period covered.

10. Production: Does not apply

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

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. Does not apply

12. Ore or Mineral Reserves: Does not apply

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power: Does not apply

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

16. Labor: Does not apply

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

Kalamax Mining Company
(Name of company)

By Frederick S. Randall
(Signature of authorized official)

October 29, 1951
(Date)

President
(Title)

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

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

Kalamax Mining Company
115 Allen Blvd
Kalamazoo,Michigan

GENERAL TECHNICAL DATA

1. Materials Produced: None.

   (a) Chief mine products anticipated are copper and lead.

   (b) Byproducts anticipated are silver and gold.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

3. For mining:

(a) Three miles west of Ely, Nevada. Shipping can be done by truck via U.S.Highway 50 which lies 3/4 of a mile below the property; or on the Nevada Northern Railroad, which parallels U.S.Highway 50, by building a loading ramp.

(b) Robinson Mining District.

(c) Township 16 North, Range 63 East, Sections 7 & 8.

(d) White Pine County, Nevada.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo,Michigan

GENERAL TECHNICAL DATA

4.(a) Property is not now in operation, and never has been in operation, although exploration work has been done from time to time.

(b) When property goes into operation, we will operate as owners.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo,Michigan

GENERAL TECHNICAL DATA

5. Number of years of Production - none.

Estimated date for beginning production is November, 1952, unless development work can be completed sooner.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo,Michigan

GENERAL TECHNICAL DATA

6. Experience of Operators:

(a) The experience of the corporation is limited to the length of time since it was incorporated - Nov.21,1947.

(b) Mr.Morris Roberts, Ely, Nevada, is our Vice-President in Charge of Operations. He has been engaged in mining work since he was a boy, at one time being foreman of of the open pit operation at Ruth, Nevada. While not an engineer, Mr.Roberts is a practical mining man with a good reputation, perfectly capable of handling the development work and early operation of this property.

(c) Mr.Kenneth M.Harris,Winter,Wisconsin, is also available to us.Like Mr.Roberts, Harris is a principal stockholder, he and Roberts being joint owners of the two Climax Claims which are now corporation Property. Harris has had over 15 years of experience in mining operations. In September of this year he spent two weeks in Ely with Mr.Roberts going over the property and discussing development plans outlined in this application.

Kalamax Mining Company
115 Allen Blvd
Kalamazoo, Michigan

GENERAL TECHNICAL DATA

7. History:

(a) The only development work we have done on the property is at "K" on the enclosed map, where we sank an 85-foot shaft in 1949 at the eastern end of the Climax Claim. We were attempting to hit a vein which has a good surface showing of lead, but did not reach it. We did nothing more than assessment work in 1950, trying to conserve our meager funds pending a decision by Congress on the various plans being condidered to give federal assistance to small mine operators.

As indicated on the map, considerable work has been done on these claims at one time or another, but almost all the workings were prior to 1900 - probably aimed at finding silver or gold. When none was located in paying quantities, the old timers moved on.

At the point "A" on the map, a tunnel 100-feet long was driven, date unknown. Some desultory work was done there in 1929 and 1930 by the Benson Brothers, who now own the Greenstake Claims adjoining the Climax Claim to the west. Nothing was shipped.

Considerable work was done in the vicinity of "C", apparently very old. There are two shafts and three openings to or from filled stopes. These workings are about 200-feet higher than the tunnel driven into the hill at "B", which might have been driven with the intention of intersecting the downward continuation of the vein at "C". This tunnel is 334 feet in length,but would have to be driven an additional 300 feet to get under the old workings.

(b) The Benson Brothers have been shipping lead ore in small quantities from the Greenstake claims,formerly the Golden Rule Claims, periodically since 1934,except while the three men were in service during World War II. Attached are some assay reports and smelter returns belonging to the Bensons. They are now down about 325 feet and are blocking out shipping ore.Their vein appears to dip into the Climax Claim.

(c) No private reports are available. Attached are copies of assay reports made in 1941 from samples taken from various test shafts on the Climax. During September we sank a short shaft in the Lucky to test the copper showings and see if we could locate the direction the vein dipped.

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GENERAL TECHNICAL DATA

8. Continued from the form - Five largest stockholders:

(a) Name & Address	(d) * Net Worth	(e) Shares of Common Stock
John E.Fetzer Kalamazoo,Mich.	$250,000.00	16,000
Kenneth M.Harris Winter,Wis.	25,000.00	16,000
Morris Roberts Ely,Nevada	15,000.00	16,000
Frederick S.Randall Kalamazoo,Mich.	10,000.00	7,400
Allen J.Longstreet Duluth,Minn.	25,000.00	7,200
Charles J.Monroe Kalamazoo,Mich.	1,000,000.00 plus	7,200

*Estimates only based on fairly accurate knowledge.

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13. Access Roads:

It is 3/4 of a mile from our top claim, The Climax, to U.S.Highway 50, where trucks pick up sacked ore. It is only a few yards further to the Nevada Northern Railroad, which parallels the highway at that point, and where a loading ramp can be built when needed.

The road from our claim to the highway and the railroad is one-way and unimproved, and half of it is quite steep; but it is passable for 4-wheel-drive trucks, jeeps,etc. The lower claim, The Lucky, is accessible to any type of vehicle.

It is a little over 2 miles from our road to Ely - our supply and resident point.

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14. Water Supply:

Water is obtained in Ely, two miles away, and hauled by truck to our property. There is an ample supply from the city water works for all seasons of the year. We have not felt it necessary at this time to investigate either the feasibility or the cost of piping water in from Ely.

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17. Equipment and Facilities:

We have a portable gasoline compressor, hose and tools on the Lucky Claim at the present time.

We have no buildings on our property. Our equipment, tools and supplies are stored in Ely and brought out as needed.

Equipment now available and in serviceable condition included that mentioned above, a tugger hoist and cable, small tools such as drills, and a small inventory of supplies.

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18. The ore in these claims is direct-smelting, eliminating the need for milling.

    We consider this one of our best assets since it means a smaller capital investment is needed, production costs will be greatly reduced, time from mine to smelter is greatly reduced, and there is the possibility of a successful operation on lower grade ores.

MAP OF
KALAMAX AND MORRIS ROBERTS GROUPS
ELY MINININGDISTRICT, NEVADA
Claim Outlines Are Taken From F.W. Millard
And Son 300-Foot Per Inch Scale Map