DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 768

DO NOT DETACH THIS SLIP

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

This document has been recorded as

Loan

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

Routing Slip

To:	Supply Division	Date	AUG 20 1951
To:	Reports & Records	Date	8/21/51
To:		Date	
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DO NOT DETACH

CONTROLLED DOCUMENT

DMA Form 2

DEFENSE MINERALS ADMINISTRATION
Status Change Notice

DMA Docket No. 76[illegible]

To: Reports and Records Branch James Kearney
LEAD ZINC BRANCH

From: _____

Date: JUL 0 1951

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

Forwarded to _____

Type of request changed to:

_____

Denied ☐ Withdrawn ☐

Approved in amount of $ _____

Other action, specify:

to be denied

OFFICE OF THE ADMINISTRATOR

350

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

WASHINGTON 25, D. C.

R. E. C.

AUG 22 1951

Re: DMA-768x
James Kearney
Copper King, Madonna claims
Madison County, Montana
Exploration, $50,000
Lead

Memorandum

To: Reports and Records Unit
Administrative Management
Division

From: Lead Zinc Branch

Subject: Denial of loan

Applicant reports a vein on contact between porphyry sill and limestone, dipping 25 degrees. Vein is at least 3 feet wide on the outcrop with the footwall not exposed. Ore sample across the vein ran 2.30 oz. silver, 0.12 oz. gold, 9.2 percent lead. Applicant's proposal is very indefinite, but it is essentially to bulldoze a 1 mile road which he hopes will uncover the vein down the dip from the outcrop. He will then "strip the vein with the bulldozer as far as practical for successful mining operations," which might take 3 to 6 months. If he doesn't find a new outcrop below the present exposure, he proposes to drift into the hill from the present exposure, distance not specified.

His contribution will be $1,000, plus his services as supervisor (for a period of time estimated at less than 18 months), plus rental of the following equipment:

3 trucks
shovels, picks, bars, ropes
mine car
"some pipe"
jack hammer
cement mixer
wheelbarrows
"some rails"
"et cetera"

Proposed rental on above will be $75.00 per day.

It is recommended that the application be denied on the grounds that the applicant cannot carry his share of the exploration cost. When the 3 trucks and cement mixer are eliminated as allowable items of cost on the proposed project, the rental value on the other items

is very small. His salary for 18 months or less will contribute only a fraction of his share of the cost. As his experience in mining is doubtful, his actual value as a supervisor would be small.

Returned herewith are 3 copies MF 100, 3 copies MF 103, each with tracing cloth claim map; 3 photographs; 1 assay return sheet; and 1 page pencilled comments by F. W. Hanson of DMA, giving comments substantiating the above recommendation on this docket.

T. P. Billings by [illegible]
T. P. Billings, Chief
Lead Zinc Branch

Approved: Tom Lyon
Director, Supply Division

FILE COPY
SURNAME:
350

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

McKnight
O'Leary
(Fr. Hoyt)
Johnson

AUG 22 1951

Re: DMA-768x
James Kearney
Copper King, Madonna claims
Madison County, Montana
Exploration, $50,000
Lead

Memorandum

To: Reports and Records Unit
Administrative Management
Division

From: Lead Zinc Branch

Subject: Denial of loan

Applicant reports a vein on contact between porphyry sill and limestone, dipping 25 degrees. Vein is at least 3 feet wide on the outcrop with the footwall not exposed. Ore sample across the vein ran 2.30 oz. silver, 0.12 oz. gold, 9.2 percent lead. Applicant's proposal is very indefinite, but it is essentially to bulldoze a 1 mile road which he hopes will uncover the vein down the dip from the outcrop. He will then "strip the vein with the bulldozer as far as practical for successful mining operations," which might take 3 to 6 months. If he doesn't find a new outcrop below the present exposure, he proposes to drift into the hill from the present exposure, distance not specified.

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is very small. His salary for 18 months or less will contribute only a fraction of his share of the cost. As his experience in mining is doubtful, his actual value as a supervisor would be small.

Returned herewith are 3 copies MF 100, 3 copies MF 103, each with tracing cloth claim map; 3 photographs; 1 assay return sheet; and 1 page detailed comments by F. W. Hanson of D.A., giving comments substantiating the above recommendation on this docket.

T.P. Billings by BJ 8/22

T. P. Billings, Chief
Lead Zinc Branch

Approved: Tom Lyon

Director, Supply Division

ETMcKnight:jr
G: 8/17/51

cc: Files
A. E. Weissenborn (2)
Chief, Lead Zinc Br.
E. T. McKnight
R. H. Mote
Reports and Records
Dir. Reading, Rm. 4212, GSA
Br. Reading, Rm. 4212, GSA

FILE COPY
350 SURNAME:

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

AUG 22 1951

McKnight
O'Leary
(R.H. Mote)
Johnson

Re: DMA-768x

A.E.C.

Mr. James Kearney
605 West Quartz Street
Butte, Montana

Dear Mr. Kearney:

Your application for a Government loan of $25,000, matching an equal contribution from you, to explore your Copper King and Madonna claims, has been reviewed by the Defense Minerals Administration.

You propose to contribute $1,000 of your share in cash, and the other $24,000 is to be furnished by rental of equipment owned by you and as personal services. However, much of the equipment you have listed for rental, such as 3 trucks and a cement mixer, is not suited for use on the exploration project you have proposed, and the remaining equipment will have little rental value. Compensation for your personal services for a period of 18 months or less could account for only a minor part of the loan requested. I regret, therefore, that your matching contribution is inadequate, and we are unable to approve the loan that you request.

I wish to thank you for bringing this property to the attention of the Defense Minerals Administration.

Very truly yours,

BJ 8/22

Tom Lyon

Tom Lyon, Director
Supply Division

EJLyons:jr
G: 8/17/51

cc: Files
A. E. Weissenborn (2)
Chief, Lead Zinc Br.
E. T. McKnight
R. H. Mote
Reports and Records
Dir. Reading, Rm. 4212, GSA
Br. Reading, Rm. 4212, GSA

Copper King and Madonna
Claims in Tidal Wave Mining
District, Madison County, Montana.
About 12 mi. N.E. of Twin Bridges.

DMA-768 X
8-7-51 Lead

This property is a raw prospect but undoubtedly has some merit from a geological standpoint. However, the applicant has not demonstrated his ability to carry his share of the exploration cost amounting to $25,000. His experience in mining is also doubtful. In my opinion, the application as presented should be denied. If the owner of the claims is desirous of proving his prospect, he could set up a temporary camp and with his tractor bulldozer do the necessary surface work in uncovering the vein with comparatively little cost. If this operation discloses ore, he could then rent equipment such as a compressor and drills in order to break ground and make a trial shipment. The whole cost up to this point would probably be within his own financial ability.

J.S. Hanson

FILE COPY
SURNAME:

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

June 18, 1951

Mr. James Kearney
605 West Quartz Street
Butte, Montana

Subject: DMA-768X
Re: Exploration Loan -
Copper King Lode, Madonna

My dear Mr. Kearney:

Receipt is acknowledged of your application and attachments of May 28, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-768X and referred to Mr. Otto Herres, Chief, Lead-Zinc Branch on June 6, 1951.

In any future correspondence relating to your application, kindly refer to DMA-768X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

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

Dma-768X

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

May 31, 1951

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

Dear Mr. Strobel:

Enclosed is an application in quadruplicate for exploration aid on the King Lode and Madonna unpatented claims, Twin Bridges, Madison County, Montana. The application was submitted by James Kearney, 605 W. Quartz Street, Butte, Montana.

The applicant proposes to explore a lead-silver vein by bulldozing the outcrop and drifting upon the vein.

Sincerely yours,

Elton A. Youngberg

Elton A. Youngberg
For: A. E. Weissenborn
Executive Officer, DMA
Field Team, Region II

Enclosures

cc: U.S.B.M.

JUN 7 1951 5

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-768X

Date received 6/4/51

James Kearney

605 West Quartz St.
Butte, Montana

Name and address of applicant

Date May 28, 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

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

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

James Kearney
(Name of company)

By James Kearney
(Signature of authorized official)

May 28, 1951
(Date)

Owner
(Title)

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

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

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
GENERAL TECHNICAL DATA Form M. F. 100

James Kearney
605 W. Quartz St.
Butte, Montana

1. Materials Produced:
   (a) Lead, Silver, and Gold.
   (b) Iron and Sulpur.
2. Copper King Lode and Madonna unpatented Claims.
   (a) 400 cubit feet.
   (b) One tunnel 150 ft. another 30ft.
   (c) No adits.
   (d) An open cut made with a bulldozer for two hundred and fifty feet.
   No the mines are not flooded. No pumping problems. The size or productive capacity is hard to say at the present time as the property is not developed as yet, that is why I would like to secure your aid at this time to develop the property and find out the productive capacity.
3. (a) Twelve miles N. E. from Twin Bridges.
   (b) Tidal Wave mining district.
   (c) T. 3S. R. 5W. Sectins 1 and 12.
   (d) Madison County, Montana
4. (a) No the property is not in operations at the present time.
   (b) I am the owner. I am not operating at the present time.
5. Number of years in production:
   The Copper King Claim was located Oct. 18, 1901. It was patented in Sept. 7, 1916. I obtainted this Claim June 11, 1948 from Madison County by a Quit Claim Deed and I do not know the past production of this claim. It was in 1948 that the bulldozer make the open-cut, but I run out of funds before I could prove the claim. I do not know the past production of this claim. The Madonna claim I located and filed for record July 10, 1948. I have not producted from this claim yet. I would say I could have both claims in operations two months after receiving government assistances.
6. Experience of operators:
   I have had ten years experience at leasing and general mining. I have had seven years experience at contracting cement and plaster ing work, and at the present time I am a member of the Kearney Bros. Contruction Co. This Company is incorporated under the laws of the state of Montana. I will be the manger. Mr. Uno M. Sahinen will be my consulting mining geologist. Mr. Sahinen is a well known and capable mining geologist, with twenty years experience.
7. History:
   (a) All I know of the previous exploration is stated in question two. The reasons for suspension of operations, the low price of metals and the hardships under which the last owner had to operate. The past production of the property is
   (b) not known to me.
   The Lincoln, Linda, and Lighthouse, adjoining the Copper King and Madonna, has produced some very high grade lead ore and at the present time assays of lead running from six to fifty percent lead may be obtained. Copper and zinc samples are also obtainable on these properties. The total amount produced by these properties is not available to me. I own $\frac{1}{2}$ interest in the Lincoln, Linda, and Lighthouse. The Giant which also adjoins the Copper King has produced gold, silver, and lead. The Little Bear, and Grouse claims which adjoins the Gaint shipped ore containing lead and silver. The Bielenberg and Higgins mine which isa mile east from the Copper King produced some high grade gold, silver, lead, copper, and zinc ores.
   (c) According to our investigations the ore in the shallow shaft is a continuation of the Lighthouse vein. The last sample which Mr. Sahinen took May 8, 1951 proved that this was so. The vein sampled silver, 2.30 ozs., gold 0.12 ozs., lead 9.20 percent. He also took a grab sample off the dump, which sampled 4.50 ozs. silver, 0.07 ozs. gold and 26.90 percent lead. We would like to expose this vein as far as possible as the vein is dipping in the direction of the road and the closer we can expose it to the road the less expense we would have. It would also enable us to determined what our production might be.

James Kearney
605 W. Quartz St.
Butte, Montana

8. I am the sole owner and intend to be the sole operator. I intend to hire all my help.
9. No stock has been issued.
10. The production is unknown to me.
11. There is no production at the present time.
12. The ore reserves I will have to prove with my development work. According to the strike and dip it may be very great.
(a) A porphyritic sill penetrates lower paleozoic sediments and is directly over-lain by a limestone member. Lead has been developed in both the porphyry and the limestones.
(b) The properties are insufficient develop to determine the possible ore reserves.
13. Twelve miles to shipping point on a good mountain road. At the present time it is in very good condition.
14. Bear creek and Little Bear creek crosses the Copper King claim with an ample water supply the year around.
15. Power:
To start with I intend to use gasoline power. If I should uncover enough ore, which would warrant more power; a power-line passes thru the Copper King claim and I am sure if I need the power the Montana Power Co. would be glad to supply this power.
16. Labor:
Two miners and 3 to 4 laborers.
17. Equipment and Facilities:
At the present time I have three trucks. One large enough for hauling ore, and two pickup trucks. I have prospects of obtaining a compressor in the near future. I do not have any buildings on the properties at the present time, but intend to build living quarters and other necessary structures.
18. The whole development program is contingent on obtaining this loan which will be used to build the necessary access road, not over one mile, and to pay for the necessary wages and supplies to develop the properties.

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-768X

Date received 6/4/51

Participation

James Kearney
605 West Quartz St.
Butte, Montana

Name and address of applicant

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28, 1951

Estimated cost $50,000

Mineral or metal Lead

Percentage of Government participation $25,000

Location of mine The Tidal Wave Mining District
Madison County, Montana

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

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

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

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

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

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

THE EXPLORATION

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

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

THE REQUIREMENTS AND COSTS

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

CERTIFICATION

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

James Kearney
(Name of company)

By James Kearney
(Signature of authorized official)

May 28, 1951
(Date)

Owner
(Title)

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

*Same as footnote on page 1.

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

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
THE APPLICANT MF-103

James Kearney
605 W. Quartz St.
Butte, Montana

*1. An individual.
*2. No partners
*3. It is not a corporation, and there are no stockholders.
*4. I have prospected these claims and the surrounding claims for the past ten years, I worked at mining for a livelihood, and have a general knowledge of mining. I have worked at construction and I am a partner with the Kearney Bros. Construction Company. My business record is very good. The project will be managed by me, James Kearney.
*5. The owner.
*6. There are no claims, liens, or encumbrances against the property.
*7. It is not a lease.
*8. The Copper King claim contains 21 acres and is valued at five dollars an acres I do not owe any back taxes.
*9. A thousand dollars. Two years of my labor and three trucks. Yes.
10.(a) The Copper King claim Mineral Survey No. 9952. And the Madonna unpatented claim.
(b) Both areas are the same.
11. The Copper King and the Madonna claims.
12. The property is located in the Tidal Wave mining district, sec. 1 & 12, T. 3S. R. 5W., Madison County, Montana. The nearest town is Twin Bridges, 12 miles southwest, railroad 12 miles, shipping point 12 miles. The Direction is N. E. from Twin Bridges. The properties are located about ½ mile from a very good mountain road.
13. An ample water supply the year around, from two mountain streams. Gasoline power to start with, a power line crosses the Copper King claim and would be available if needed.
14. There is no equipment, or buildings on the properties at the present time.
15. It could be trucked direct to East Helena, or trucked to Twin Bridges and shipped by rail to East Helena, which ever one should be the most economical.
16. This question I answered on Form MF 100 question 7.
17. I do not know the past production.
18.(a) The vein is three to four feet wide, maybe wider, as I have not reached the foot wall as yet. The vein samples 2.30 ounces silver, 0.12 ounces gold, and 9.20 percent lead.
(b) Map and assay data enclosed.
(c) The properties are insufficiently developed to answer this question.
19. This I did on Form MF 100 question 18.
20. Lead and silver. It is possible also to encountered copper and zinc.
21. A propose road about a mile long, which I believe would take a week maybe two weeks to build. If the bulldozer should uncover the vein while the road is being build, which is very possible, I intend to strip the vein with the bulldozer as far as is practical for successfully mining operations. How long this might take is hard to say, but I assume this could be accomplished in three to six months. If the dozer does not cut the vein at a more convenient point, I intend to drift on it where it is now exposed and further develop it. The proposed work can be accomplished in less than two years.

James Kearney
605 W. Quartz St.
Butte, Montana

*22. The Copper King and Madonna claims are in the upper reaches of Bear Gulch in the Tidal Wave mining district sec. 1 & 12 T. 3S. R. 5W., northeast of Twin Bridges, Madison County, Montana. The country rocks are sediments of middle and upper cambrian age (Wolsey, Meagher, Park, and Pilgrim formations). The ore deposits occur as bedding plane replacements in the Meagher limestone which is the ~~best~~ most rock for many important ore deposits in south-western Montana in such districts as the Highland Mountains, Hecla (Byrant) district, Philipsburg, and others.

The ore, where exposed in sufaces cuts consists of porous quartz, earthy brown limonite, and greasy grey cerussite (lead carbonate). Some specimens showed residual galena (lead sulphide). The lead contents of near surface materials ranged from 9 to 30 percent. At the best exposure on the Madonna unpatented mining claim, the vein has a northly strike and dips about 25 degrees west. Here at least 3 feet of the vein is exposed, the footwall not being uncovered. A sample across the exposed portion of the vein assayed 0.12 ounces in gold, 2.30 ounces in silver, and 9.20 percent in lead. A grab sample of the dump material showed 0.07 ounces in gold, 4.50 ounces in silver and 26.90 percent in lead.

Surface indications are such as to warrant much more exploratory work to prove the extant of this vein. It is undoubtedly of the same system as the veins which are exposed on the Linda, Lighthouse, and Lincoln claims to the north.

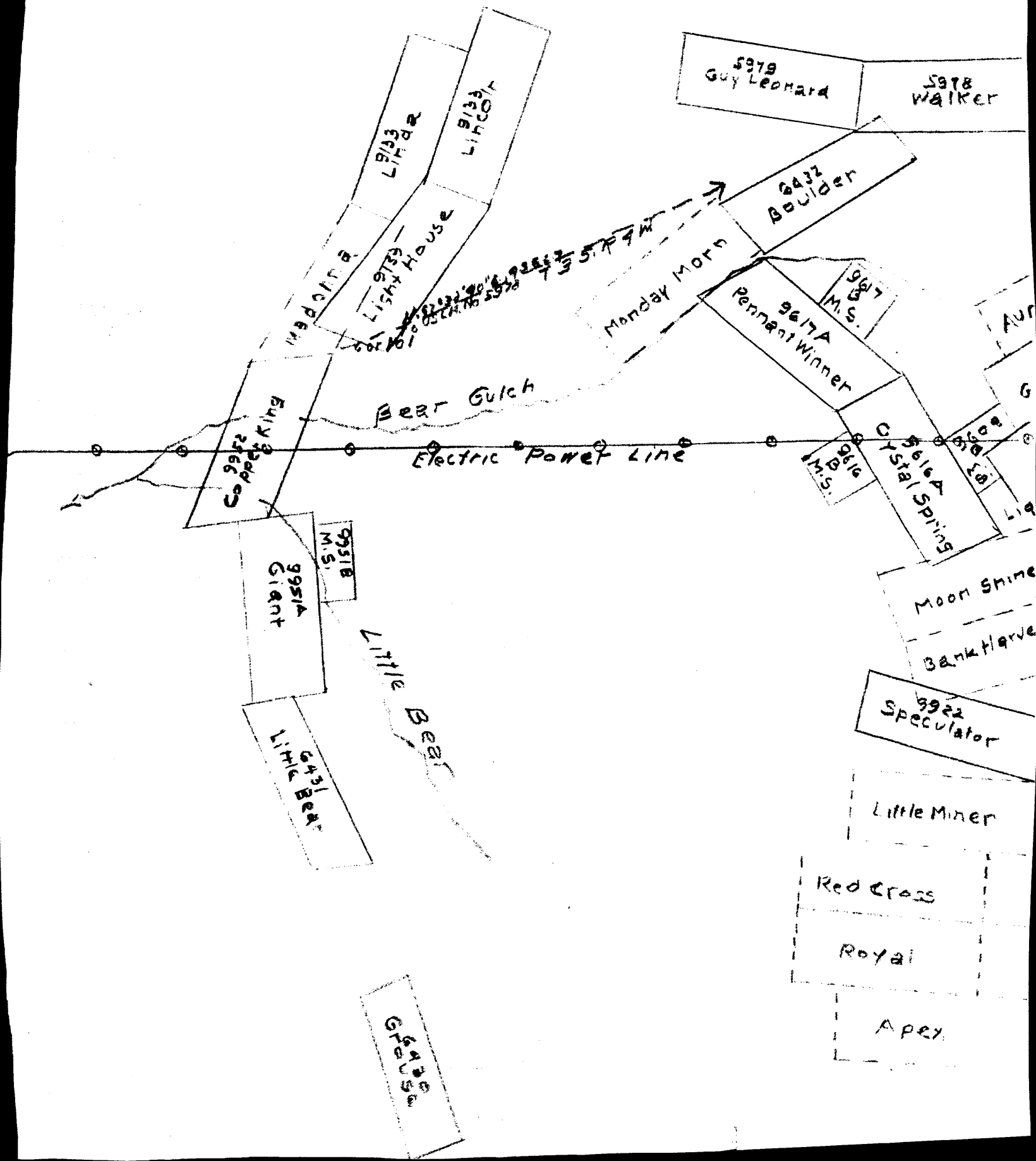
Uno M Sahinen

UNO M. SAHINEN, Geologist

*23 (a) Two miners at $15. a day each. Three laborers at $12. a day.
(b) I, James Kearney will be the supervisor, my wages to apply as part of my investment. One consulting engineer with a salary of $100. a month. Part time.
(c) Cost of building living quarters and other structures would be around $5,000.
(d) As close as I can figure this will cost close to $5,000.
(e) Air hoses, rails, steels and bits, power and caps, this will cost around $500.
(f) Bulldozer which will cost around $100. a day.
(g) Three trucks, shovels, picks, bars, ropes, mine car, some pipe a jack hammer, cement mixer, wheelbarrows, some rails, etc. at $75. a day.
(h) I intend to rent the government most of this equipment.
(i) Gasoline, oil, grease, carbide etc. at about $30. a day.

24. I intend to finish exploratory work in less than 18 months. I expect to be shipping ore to help defray the expenses in 60 days, and I am hoping once I start shipping that I can continue to ship a car or more a month during the life of the project. I expect my current expenses to be high and I figure it will cost about $50,000 before the mine will be on paying basis.

Part of Tidal Wave Mining District
Scale 1" = 1000'



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

April 18, 1951

DMA-768
Madison County
Montana

Mr. James Kearney
605 West Quartz Street
Butte, Montana

Dear Mr. Kearney:

This will acknowledge receipt of your letter of April 10 concerning your application for Government assistance in the development of your mining property.

I am enclosing forms and information relating to the mineral exploration program which became effective a few days ago. Possibly you will find this program helpful.

You will note from the press release attached that the Government will loan half the money needed to explore for new ore deposits of lead or zinc. In case the search is successful the loan is to be paid back out of ore production. But if profitable production is not possible as a result of the work, the loan is cancelled.

If I can be of further assistance, please let me know.

Yours very truly,

Otto Herres

OTTO HERRES, Chief
Lead-Zinc Branch

Enclosure

OHERRES:lks

cc: Mr. Strobel
Mr. Mote
Mr. McKnight
Mr. Herres
Files

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

March 29, 1951

Mr. James Kearney
605 West Quartz Street
Butte, Montana

Re: DMA Docket 768

Dear Mr. Kearney:

Your letter of February 19, addressed to Dr. James Boyd, Administrator, Defense Minerals Administration and requesting information on government loans to mine operators for development and production of strategic minerals, has been referred to me for reply.

Federal aid to expand productive capacity and supply of strategic and critical minerals as provided in the Defense Production Act of 1950, is available in the following forms: 1. Accelerated amortization allowed under the tax laws to operators for certificates of necessity issued by the Defense Production Administration after investigation by the Defense Minerals Administration. 2. Purchase contracts with the floor at the current market price made by the General Services Administration on applications certified by the Defense Minerals Administration. 3. Government loans made by the Reconstruction Finance Corporation on applications certified by Defense Minerals Administration providing private financing is not other wise available on reasonable terms. 4. Encouragement of exploration.

From the nature of your inquiry, I doubt if your property would qualify for a purchase contract, accelerated amortization, or a Government loan. However, a program for encouragement ~~and~~ of exploration has recently been announced which may be applicable to your property. For your information, I am enclosing a copy of a press release which outlines the general details of this program. Application blanks for requesting aid in exploration will be available for distribution soon together with rules and regulations pertaining to the administration of the program. If you are interested in this type of assistance, I suggest you arrange to receive the necessary schedules and other information from A. E. Weissenborn, Executive Officer Field Team, Region II, South 157 Howard Street, Spokane 8, Washington.

I trust this information will satisfactorily answer your inquiry. If there are any further questions, I will be glad to help to the best of my ability.

Very truly yours,
Otto Herres

OTTO HERRES, Chief
Lead-Zinc Branch, DMA

RHMOTE/ppm
Copy to - Base Metals
Mrs. Parker
R. H. Mote
Lowell B.Moon
Otto Herres
Ed McKnight, Geol.Survey

Enclosure 1
Files

C. O. Mittendorf
L. F. Strobel
2 copies to Region II
A. E. Weissenborn
and M. E. Volin,
South 157 Howard St.
Spokane 8, Wa.

LANDON F. STROBEL

605 West Quartz St.
Butte, Montana
February 19, 1951

Mr. James Boyd, Acting Director
Minerals Administration for Defense
Room 6416, Department of Interior Building
Washington 25, D. C.

Dear Mr. Boyd:

In endeavoring to obtain Government assistance in securing financial aid for the purpose of developing my lead-zinc and copper claims; I have communicated with the Washington Office of the Reconstruction Finance Corporation. Mr. Chas. W. Tully of that office referred me to the Loan Agency of the Reconstruction Finance Corporation at Helena, Montana. Mr. H. Nelson of this Office informed me that I might expedite consideration of this loan by writing directly to you.

I have five claims in Madison County, Montana, which I believe contains the most potential lead deposits lying dormant in these United States today. The lead will sample from one to as high as fifty four per-cent. The zinc as high as sixteen per-cent. The copper from one to ten per-cent. These claims produced ore many years ago, but due to the hardships under which they were working, the claims became too expensive to mine by hand labor.

If the Government will help me financially to develop these claims; these claims may help to relieviate the strategic metal shortest.

In order to develop these claims a hill side road should be made, and compressor, drilling machinery, rails, mine cars, mine, air hose are needed. A mill for the lower grade ore may also be necessary.

How much financial aid I need is almost impossible to say but a conservative figure might be around one hundred and twenty five thousand dollars.

Feeling that my Country may need the ore which I have to offer, in the near future, I think that it is my patriotic duty to have the Government investigate these claims as soon as possible.

Your consideration of this matter will be greatly appreciate.

Very truly yours,

James Kearney

James Kearney

MAR -2 1951
Mr. Kearney

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-768X

Date received 6/4/51

James Kearney
605 West Quartz St.
Butte, Montana

Name and address of applicant

Date May 28, 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

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

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

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

James Kearney
(Name of company)

By James Kearney
(Signature of authorized official)

May 28, 1951
(Date)

Owner
(Title)

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

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

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
GENERAL TECHNICAL DATA Form M. F. 100

James Kearney
605 W. Quartz St.
Butte, Montana

1. Materials Produced:
   (a) Lead, Silver, and Gold.
   (b) Iron and Sulpur.
2. Copper King Lode and Madonna unpatented Claims.
   (a) 400 cubit feet.
   (b) One tunnel 150 ft. another 30ft.
   (c) No adits.
   (d) An open cut made with a bulldozer for two hundred and fifty feet.
   No the mines are not flooded. No pumping problems. The size or productive capacity is hard to say at the present time as the property is not developed as yet, that is why I would like to secure your aid at this time to develop the property and find out the productive capacity.
3. (a) Twelve miles N. E. from Twin Bridges.
   (b) Tidal Wave mining district.
   (c) T. 3S. R. 5W. Sectins 1 and 12.
   (d) Madison County, Montana
4. (a) No the property is not in operations at the present time.
   (b) I am the owner. I am not operating at the present time.
5. Number of years in production:
   The Copper King Claim was located Oct. 18, 1901. It was patented in Sept. 7, 1916. I obtainted this Claim June 11, 1948 from Madison County by a Quit Claim Deed and I do not know the past production of this claim. It was in 1948 that the bulldozer make the open-cut, but I run out of funds before I could prove the claim. I do not know the past production of this claim. The Madonna claim I located and filed for record July 10, 1948. I have not producted from this claim yet. I would say I could have both claims in operations two months after receiving government assistances.
6. Experience of operators:
   I have had ten years experience at leasing and general mining. I have had seven years experience at contracting cement and plaster ing work, and at the present time I am a member of the Kearney Bros. Contruction Co. This Company is incorporated under the laws of the state of Montana. I will be the manger. Mr. Uno M. Sahinen will be my consulting mining geologist. Mr. Sahinen is a well known and capable mining geologist, with twenty years experience.
7. History:
   (a) All I know of the previous exploration is stated in question two. The reasons for suspension of operations, the low price of metals and the hardships under which the last owner had to operate. The past production of the property is
   (b) not known to me.
   The Lincoln, Linda, and Lighthouse, adjoining the Copper King and Madonna, has produced some very high grade lead ore and at the present time assays of lead running from six to fifty percent lead may be obtained. Copper and zinc samples are also obtainable on these properties. The total amount produced by these properties is not available to me. I own ½ interest in the Lincoln, Linda, and Lighthouse. The Giant which also adjoins the Copper King has produced gold, silver, and lead. The Little Bear, and Grouse claims which adjoins the Gaint shipped ore containing lead and silver. The Bielenberg and Higgins mine which isa mile east from the Copper King produced some high grade gold, silver, lead, copper, and zinc ores.
   (c) According to our investigations the ore in the shallow shaft is a continuation of the Lighthouse vein. The last sample which Mr. Sahinen took May 8, 1951 proved that this was so. The vein sampled silver, 2.30 ozs., gold 0.12 ozs., lead 8.00 percent. He also took a grab sample off the dump, which sampled 4.50 ozs. silver, 0.07 ozs. gold and 26.80 percent lead. We would like to expose this vein as far as possible as the vein is dipping in the direction of the road and the closer we can expose it to the road the less expense we would have. It would also enable us to determined what our production might be.

James Kearney
625 W. Quartz St.
Butte, Montana

8. I am the sole owner and intend to be the sole operator. I intend to hire all my help.
9. No stock has been issued.
10. The production is unknown to me.
11. There is no production at the present time.
12. The ore reserves I will have to prove with my development work. According to the strike and dip it may be very great.
(a) A porphyritic sill penetrates lower paleozoic sediments and is directly over-lain by a limestone member. Lead has been developed in both the porphyry and the limestones.
(b) The properties are insuffiaient develop to determine the possible ore reserves.
13. Twelve miles to shipping point on a good mountain road. At the present time it is in very good condition.
14. Bear creek and Little Bear creek crosses the Copper King claim with an ample water supply the year around.
15. Power:
To start with I intend to use gasoline power. If I should uncover enough ore, which would warrant more power; a power-line passes thru the Copper King claim and I am sure if I need the power the Montana Power Co. would be glad to supply this power.
16. Labor:
Two miners and 3 to 4 laborers.
17. Equipment and Facilities:
At the present time I have three trucks. One large enough for hauling ore, and two pickup trucks. I have prospects of obtaining a compressor in the near future. I do not have any buildings on the properties at the present time, but intend to build living quarters and other necessary structures.
18. The whole development program is contingent on obtaining this loan which will be used to build the necessary access road, not over one mile, and to pay for the necessary wages and supplies to develop the properties.

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-268X

Date received 6/4/51

Participation

James Kearney
605 West Quartz St.
Butte, Montana

Name and address of applicant

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28, 1951

Estimated cost $50,000

Mineral or metal Lead

Percentage of Government participation $25,000

Location of mine Tidal Wave mining district
Madison County, Montana

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

CERTIFICATION

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

James Kearney
(Name of company)

By James Kearney
(Signature of authorized official)

May 28, 1951
(Date)

Owner
(Title)

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

*Same as footnote on page 1.

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

U. S. DEPARTMENT OF THE INTERIOR
DISPOSE MINERALS ADMINISTRATION
THE APPLICANT MF-103

James Kearney
605 W. Quartz St.
Butte, Montana

*1. An individual.
*2. No partners
*3. It is not a corporation, and there are no stockholders.
*4. I have prospected these claims and the surrounding claims for the past ten years, I worked at mining for a livelihood, and have a general knowledge of mining. I have worked at construction and I am a partner with the Kearney Bros. Construction Company. My business record is very good. The project will be managed by me, James Kearney.
*5. The owner.
*6. There are no claims, liens, or encumbrances against the property.
*7. It is not a lease.
*8. The Copper King claim contains 21 acres and is valued at five dollars an acres I do not owe any back taxes.
*9. A thousand dollars. Two years of my labor and three trucks. Yes.
10.(a) The Copper King claim Mineral Survey No. 9352. And the Madonna unpatented claim.
(b) Both areas are the same.
11. The Copper King and the Madonna claims.
12. The property is located in the Tidal Wave mining district, sec. 1 & 12, T. 8S. R. 5W., Madison County, Montana. The nearest town is Twin Bridges, 12 miles southwest, railroad 12 miles, shipping point 12 miles. The Direction is N. E. from Twin Bridges. The properties are located about ½ mile from a very good mountain road.
13. An ample water supply the year around, from two mountain streams. Gasoline power to start with, a power line crosses the Copper King claim and would be available if needed.
14. There is no equipment, or buildings on the properties at the present time.
15. It could be trucked direct to East Helena, or trucked to Twin Bridges and shipped by rail to East Helena, which ever one should be the most economical.
16. This question I answered on Form MF 100 question 7.
17. I do not know the past production.
18.(a) The vein is three to four feet wide, maybe wider, as I have not reached the foot wall as yet. The vein samples 2.30 ounces silver, 0.12 ounces gold, and 9.20 percent lead.
(b) Map and assay data enclosed.
(c) The properties are insufficiently developed to answer this question.
19. This I did on Form MF 100 question 18.
20. Lead and silver. It is possible also to encounter copper and zinc.
21. A propose road about a mile long, which I believe would take a week maybe two weeks to build. If the bulldozer should uncover the vein while the road is being build, which is very possible, I intend to strip the vein with the bulldozer as far as is practical for successfully mining operations. How long this might take is hard to say, but I assume this could be accomplished in three to six months. If the dozer does not cut the vein at a more convenient point, I intend to drift on it where it is now exposed and further develop it. The proposed work can be accomplished in less than two years.

U. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
THE APPLICANT Form MF-105
Page two

James Kearney
605 W. Quartz St.
Butte, Montana

*22. The Copper King and Madonna claims are in the upper reaches of Bear Gulch in the Tidal Wave mining district sec. 1 & 12 T. 3S. R. 5W., northeast of Twin Bridges, Madison County, Montana. The country rocks are sediments of middle and upper cambrian age (Wolsey, Meagher, Park, and Pilgrim formations). The ore deposits occur as bedding plane replacements in the Meagher limestone which is the most rock for many important ore deposits in south-western Montana in such districts as the Highland Mountains, Hecla (Syrant) district, Philipsburg, and others.

The ore, where exposed in surfaces cuts consists of porous quartz, earthy brown limonite, and greasy grey cerussite (lead carbonate). Some specimens showed residual galena (lead sulphide). The lead contents of near surface materials ranged from 9 to 30 percent. At the best exposure on the Madonna unpatented mining claim, the vein has a northly strike and dips about 25 degrees west. Here at least 5 feet of the vein is exposed, the footwall not being uncovered. A sample across the exposed portion of the vein assayed 0.12 ounces in gold, 2.30 ounces in silver, and 9.20 percent in lead. A grab sample of the dump material showed 0.07 ounces in gold, 4.80 ounces in silver and 28.90 percent in lead.

Surface indications are such as to warrant much more exploratory work to prove the extent of this vein. It is undoubtedly of the same system as the veins which are exposed on the Linda, Lighthouse, and Lincoln claims to the north.

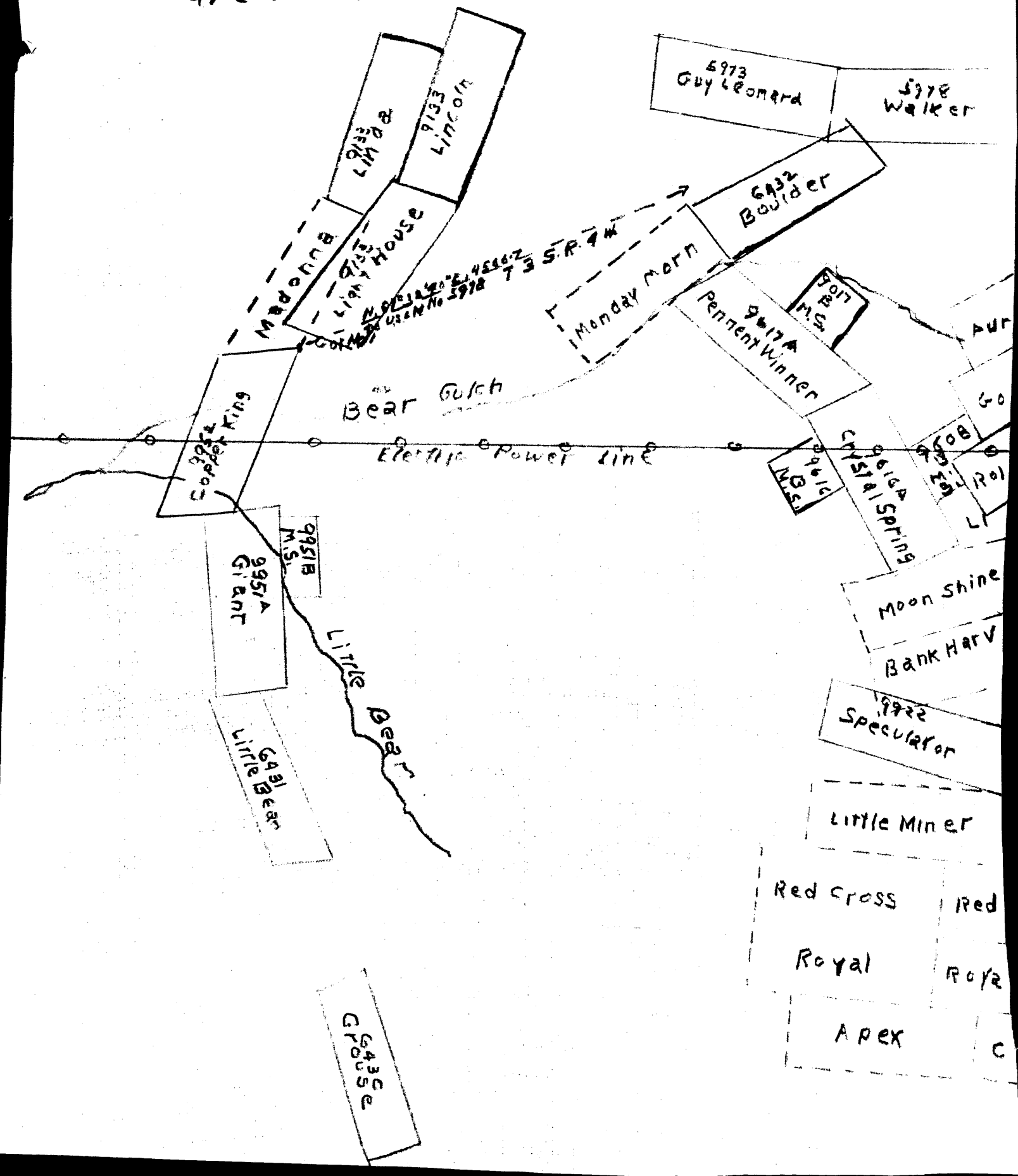
Uno M. Sahinen

UNO M. SAHINEN, Geologist

*23 (a) Two miners at $15. a day each. Three laborers at $12. a day.
(b) I, James Kearney will be the supervisor, my wages to apply as part of my investment. One consulting engineer with a salary of $100. a month. Part time.
(c) Cost of building living quarters and other structures would be around $5,000.
(d) As close as I can figure this will cost close to $5,000.
(e) Air hoses, rails, steels and bits, power and caps, this will cost around $500.
(f) Bulldozer which will cost around $100. a day.
(g) Three trucks, shovels, picks, bars, ropes, mine car, some pipe a jack hammer, cement mixer, wheelbarrows, some rails, etc. at $75. a day.
(h) I intend to rent the government most of this equipment.
(i) Gasoline, oil, grease, carbide etc. at about $30. a day.

24. I intend to finish exploratory work in less than 18 months. I expect to be shipping ore to help defray the expenses in 60 days, and I am hoping once I start shipping that I can continue to ship a car or more a month during the life of the project. I expect my current expenses to be high and I figure it will cost about $50,000 before the mine will be on paying basis.

Part of Tidal Wave Mining District
Scale 1" = 1000'



JOHN S. ROACH

From the Madonna Claim

EDWARD ROACH

LEWIS & WALKER

ASSAYERS AND CHEMISTS

SHIPPERS' REPRESENTATIVES

Drawer 1980

Phone 3982

108 North Wyoming Street
BUTTE, MONTANA

Date May 8, 1951

Mr. Uno M. Sahinen

Your Sample Assayed as Follows:

		OZS. PER TON	OZS. PER TON	VALUE PER TON AT $35 PER OZ.	%	%	%	%	%	%	%
		SILVER	GOLD	GOLD $ Cts.	COPPER	LEAD	ZINC	SILICA	IRON	MANGANESE	
Vein	$37.54	$2 08 2.30	$4 20 0.12			$31 28 9.20					
Grab	$99.98	$4 09 4.50	$2 45 0.07			26.90					

Charges $_____

Respectfully Submitted

Lewis & Walker

9.20 .17
3.40 20
3.40
36800
2760
31.2800

26.90
340
107600
8070
91.4600

4.20
2.08 2.30
.905
37.56
1150
20700
208.150

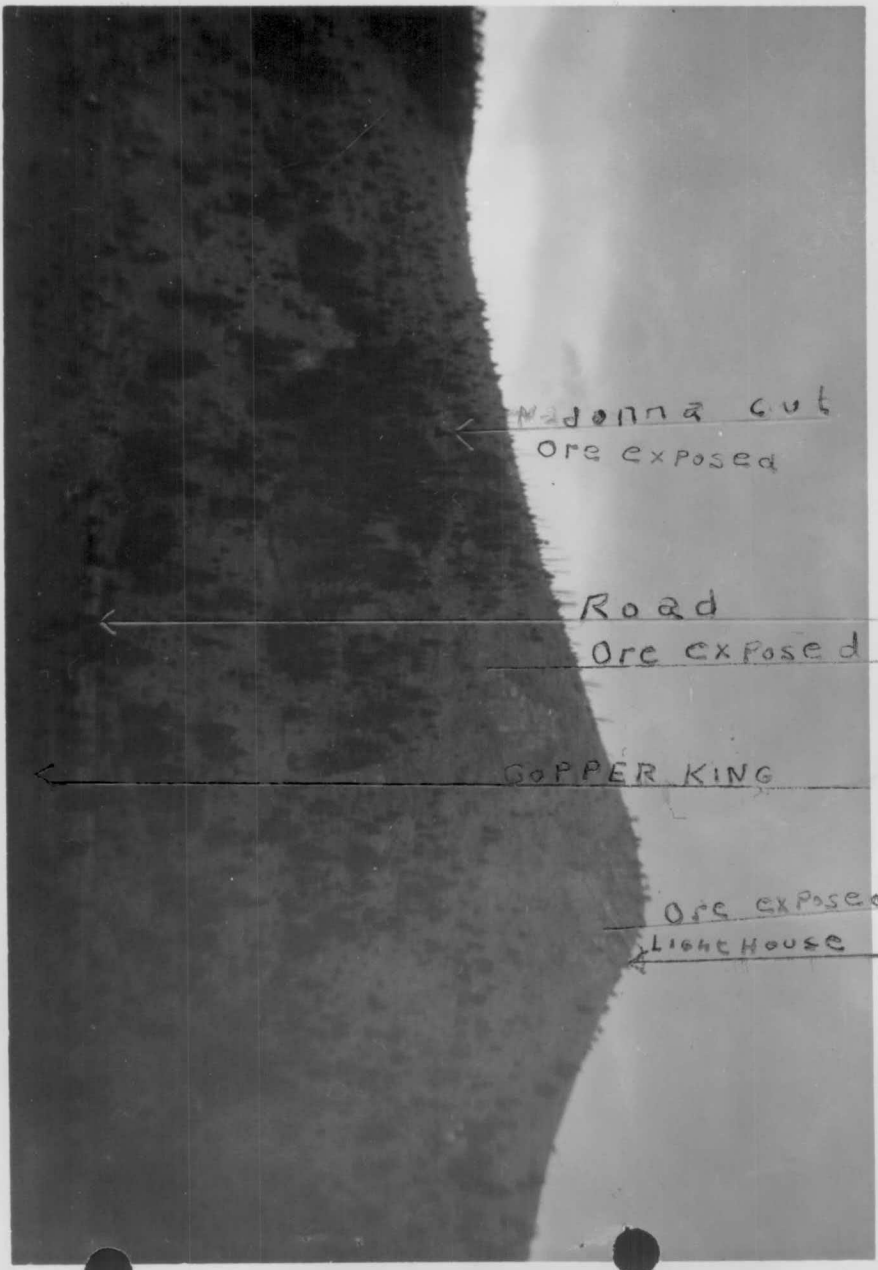
407
245
99.98

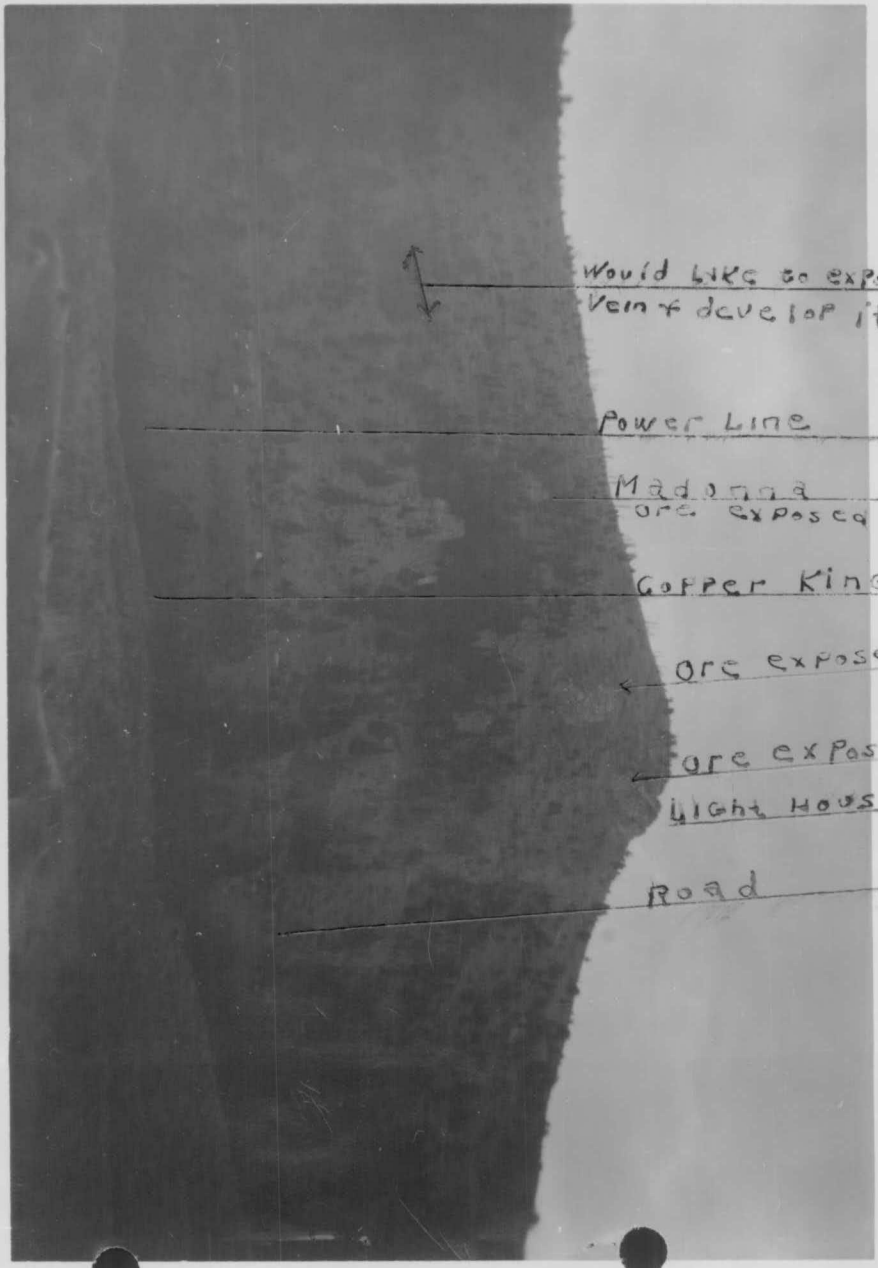
35
.12
70
35
420

4.50
905
2250
40500
4.07250

35
.07
2.45

This was taken from the B. & M. Co. Properties now cassed the U. S. Gold Co.


Madonna cut
Ore exposed
Road
Ore exposed
COPPER KING
Ore exposed
Light House


Would like to expose
Vein & develop it
Power Line
Madonna
ore exposed
Copper King
ore exposed
ore exposed
Light House
Road

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dma-768X

Date received 6/4/51

James Kearney
605 West Quartz St.
Butte, Montana

Name and address of applicant

Date May 28, 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

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

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

James Kearney
(Name of company)

By James Kearney
(Signature of authorized official)

May 28, 1951
(Date)

Owner
(Title)

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

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

U. S. DEPARTMENT OF THE INTERI
DEFENSE MINERALS ADMINISTRATIO
GENERAL TECHNICAL DATA Form M. F. 100

James Kearney
605 W. Quartz St.
Butte, Montana

1. Materials Produced:
   (a) Lead, Silver, and Gold.
   (b) Iron and Sulpur.
2. Copper King Lode and Madonna unpatented Claims.
   (a) 400 cubit feet.
   (b) One tunnel 150 ft. another 30ft.
   (c) No adits.
   (d) An open cut made with a bulldozer for two hundred and fifty feet.
   No the mines are not flooded. No pumping problems. The size or productive capacity is hard to say at the present time as the property is not developed as yet, that is why I would like to secure your aid at this time to develop the property and find out the productive capacity.
3. (a) Twelve miles N. E. from Twin Bridges.
   (b) Tidal Wave mining district.
   (c) T. 3S. R. 5W. Sectins 1 and 12.
   (d) Madison County, Montana
4. (a) No the property is not in operations at the present time.
   (b) I am the owner. I am not operating at the present time.
5. Number of years in production:
   The Copper King Claim was located Oct. 18, 1901. It was patented in Sept. 7, 1916. I obtainted this Claim June 11, 1948 from Madison County by a Quit Claim Deed and I do not know the past production of this claim. It was in 1948 that the bulldozer make the open-cut, but I run out of funds before I could prove the claim. I do not know the past production of this claim. The Madonna claim I located and filed for record July 10, 1948. I have not producted from this claim yet. I would say I could have both claims in operations two months after receiving government assistances.
6. Experience of operators:
   I have had ten years experience at leasing and general mining. I have had seven years experience at contracting cement and plaster ing work, and at the present time I am a member of the Kearney Bros. Contruction Co. This Company is incorporated under the laws of the state of Montana. I will be the manger. Mr. Uno M. Sahinen will be my consulting mining geologist. Mr. Sahinen is a well known and capable mining geologist, with twenty years experience.
7. History:
   (a) All I know of the previous exploration is stated in question two. The reasons for suspension of operations, the low price of metals and the hardships under which the last owner had to operate. The past production of the property is
   (b) not known to me.
   The Lincoln, Linda, and Lighthouse, adjoining the Copper King and Madonna, has produced some very high grade lead ore and at the present time assays of lead running from six to fifty percent lead may be obtained. Copper and zinc samples are also obtainable on these properties. The total amount produced by these properties is not available to me. I own ½ interest in the Lincoln, Linda, and Lighthouse. The Giant which also adjoins the Copper King has produced gold, silver, and lead. The Little Bear, and Grouse claims which adjoins the Gaint shipped ore containing lead and silver. The Bielenberg and Higgins mine which isa mile east from the Copper King produced some high grade gold, silver, lead, copper, and zinc ores.
   (c) According to our investigations the ore in the shallow shaft is a continuation of the Lighthouse vein. The last sample which Mr. Sahinen took May 8, 1951 proved that this was so. The vein sampled silver, 2.30 ozs., gold 0.12 ozs., lead 9.20 percent. He also took a grab sample off the dump, which sampled 4.50 ozs. silver, 0.07 ozs. gold and 26.90 percent lead. We would like to expose this vein as far as possible as the vein is dipping in the direction of the road and the closer we can expose it to the road the less expense we would have. It would also enable us to determined what our production might be.

James Kearney
605 W. Quartz St.
Butte, Montana

8. I am the sole owner and intend to be the sole operator. I intend to hire all my help.
9. No stock has been issued.
10. The production is unknown to me.
11. There is no production at the present time.
12. The ore reserves I will have to prove with my development work. According to the strike and dip it may be very great.
(a) A porphyritic sill penetrates lower paleozoic sediments and is directly over-lain by a limestone member. Lead has been developed in both the porphyry and the limestones.
(b) The properties are insufficient develop to determine the possible ore reserves.
13. Twelve miles to shipping point on a good mountain road. At the present time it is in very good condition.
14. Bear creek and Little Bear creek crosses the Copper King claim with an ample water supply the year around.
15. Power:
To start with I intend to use gasoline power. If I should uncover enough ore, which would warrant more power; a power-line passes thru the Copper King claim and I am sure if I need the power the Montana Power Co. would be glad to supply this power.
16. Labor:
Two miners and 3 to 4 laborers.
17. Equipment and Facilities:
At the present time I have three trucks. One large enough for hauling ore, and two pickup trucks. I have prospects of obtaining a compressor in the near future. I do not have any buildings on the properties at the present time, but intend to build living quarters and other necessary structures.
118. The whole development program is contingent on obtaining this loan which will be used to build the necessary access road, not over one mile, and to pay for the necessary wages and supplies to develop the properties.

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-768X

Date received 6/4/51

Participation

James Kearney
605 West Quartz St.
Butte, Montana

Name and address of applicant

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28, 1951

Estimated cost $50,000.

Mineral or metal Lead

Percentage of Government participation $25,000

Location of mine The Tidal Wave Mining District
Madison County, Montana

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

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

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

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

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

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

THE EXPLORATION

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

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

THE REQUIREMENTS AND COSTS

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

CERTIFICATION

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

James Kearney
(Name of company)

By James Kearney
(Signature of authorized official)

May 28, 1951
(Date)

Owner
(Title)

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

*Same as footnote on page 1.

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

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
THE APPLICANT MF-103

James Kearney
605 W. Quartz St.
Butte, Montana

*1. An individual.
*2. No partners
*3. It is not a corporation, and there are no stockholders.
*4. I have prospected these claims and the surrounding claims for the past ten years, I worked at mining for a livelihood, and have a general knowledge of mining. I have worked at construction and I am a partner with the Kearney Bros. Construction Company. My business record is very good. The project will be managed by me, James Kearney.
*5. The owner.
*6. There are no claims, liens, or encumbrances against the property.
*7. It is not a lease.
*8. The Copper King claim contains 21 acres and is valued at five dollars an acres I do not owe any back taxes.
*9. A thousand dollars. Two years of my labor and three trucks. Yes.
10.(a) The Copper King claim Mineral Survey No. 9952. And the Madonna unpatented claim.
(b) Both areas are the same.
11. The Copper King and the Madonna claims.
12. The property is located in the Tidal Wave mining district, sec. 1 & 12, T. 3S. R. 5W., Madison County, Montana. The nearest town is Twin Bridges, 12 miles southwest, railroad 12 miles, shipping point 12 miles. The Direction is N. E. from Twin Bridges. The properties are located about ½ mile from a very good mountain road.
13. An ample water supply the year around, from two mountain streams. Gasoline power to start with, a power line crosses the Copper King claim and would be available if needed.
14. There is no equipment, or buildings on the properties at the present time.
15. It could be trucked direct to East Helena, or trucked to Twin Bridges and shipped by rail to East Helena, which ever one should be the most economical.
16. This question I answered on Form MF 100 question 7.
17. I do not know the past production.
18.(a) The vein is three to four feet wide, maybe wider, as I have not reached the foot wall as yet. The vein samples 2.30 ounces silver, 0.12 ounces gold, and 9.20 percent lead.
(b) Map and assay data enclosed.
(c) The properties are insufficiently developed to answer this question.
19. This I did on Form MF 100 question 18.
20. Lead and silver. It is possible also to encountered copper and zinc.
21. A propose road about a mile long, which I believe would take a week maybe two weeks to build. If the bulldozer should uncover the vein while the road is being build, which is very possible, I intend to strip the vein with the bulldozer as far as is practical for successfully mining operations. How long this might take is hard to say, but I assume this could be accomplished in three to six months. If the dozer does not cut the vein at a more convenient point, I intend to drift on it where it is now exposed and further develop it. The pwoposed work can be accomplished in less than two years.

U. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
THE APPLICANT Form MF-105

James Kearney
605 W. Quartz St.
Butte, Montana

Page two

*22. The Copper King and Madonna claims are in the upper reaches of Bear Gulch in the Tidal Wave mining district sec. 1 & 12 T. 5S. R. 5W., northeast of Twin Bridges, Madison County, Montana. The country rocks are sediments of middle and upper cambrian age (Wolsey, Meagher, Park, and Pilgrim formations). The ore deposits occur as bedding plane replacements in the Meagher limestone which is the host rock for many important ore deposits in south-western Montana in such districts as the Highland Mountains, Neola (Ryant) district, Philipsburg, and others.

The ore, where exposed in surfaces cuts consists of porous quartz, earthy brown limonite, and greasy grey cerussite (lead carbonate). Some specimens showed residual galena (lead sulphide). The lead contents of near surface materials ranged from 9 to 30 percent. At the best exposure on the Madonna unpatented mining claim, the vein has a northly strike and dips about 25 degrees west. Here at least 5 feet of the vein is exposed, the footwall not being uncovered. A sample across the exposed portion of the vein assayed 0.12 ounces in gold, 2.30 ounces in silver, and 9.20 percent in lead. A grab sample of the dump material showed 0.07 ounces in gold, 4.50 ounces in silver and 26.90 percent in lead.

Surface indications are such as to warrant much more exploratory work to prove the extent of this vein. It is undoubtedly of the same system as the veins which are exposed on the Linda, Lighthouse, and Line[redacted]ms to the north.

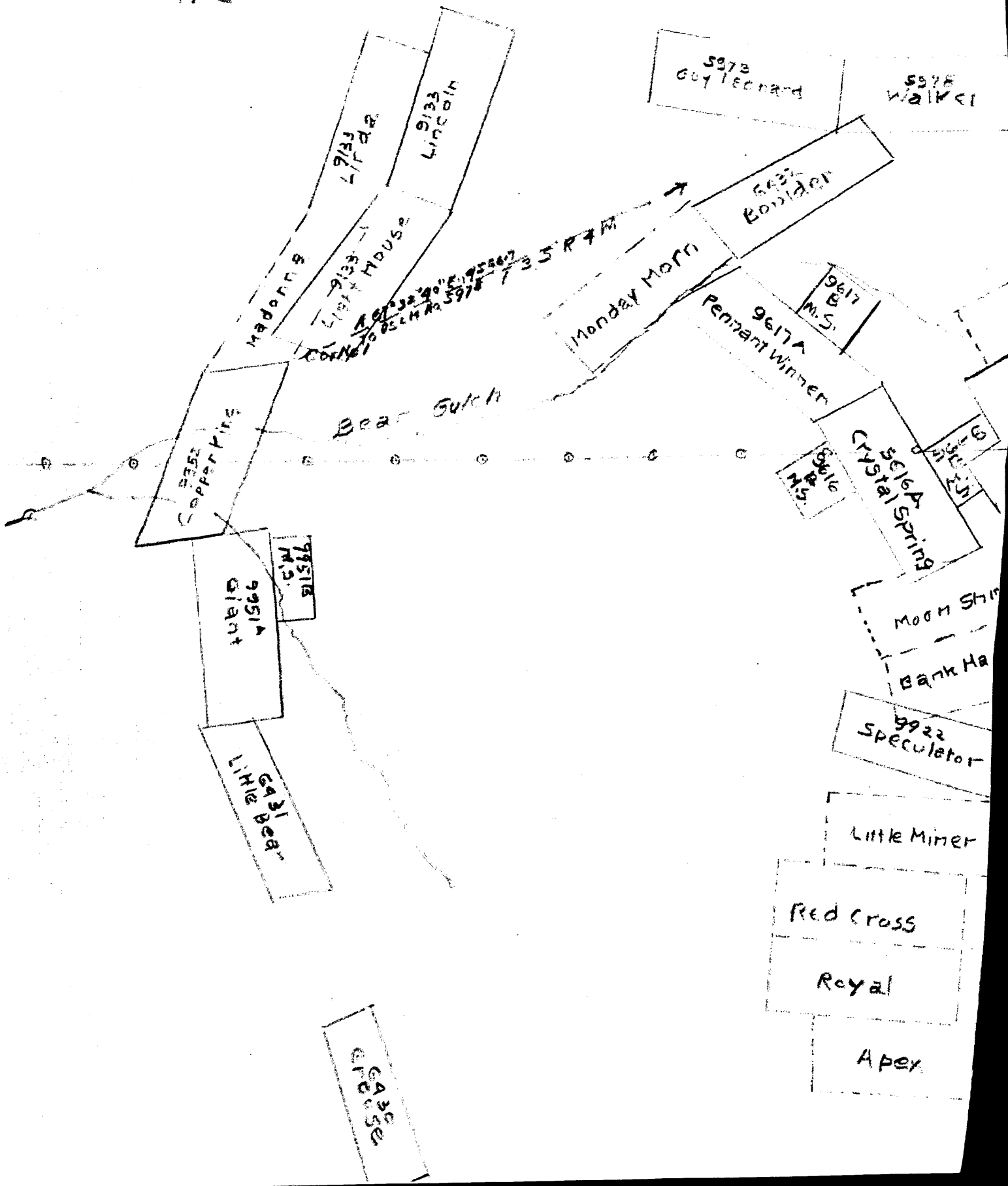
Uno M. Saninen

UNO M. SANINEN, Geologist.

*23. (a) Two miners at $15. a day each. Three laborers at $12. a day.
(b) I, James Kearney will be the supervisor, my wages to apply as part of my investment. One consulting engineer with a salary of $100. a month. Part time.
(c) Cost of building living quarters and other structures would be around $5,000.
(d) As close as I can figure this will cost close to $5,000.
(e) Air hoses, rails, steels and bits, power and caps, this will cost around $500.
(f) Bulldozer which will cost around $100. a day.
(g) Three trucks, shovels, picks, bars, ropes, mine car, some pipe a jack hammer, cement mixer, wheelbarrows, some rails, etc. at $75. a day.
(h) I intend to rent the government most of this equipment.
(i) Gasoline, oil, grease, carbide etc. at about $50. a day.

24. I intend to finish exploratory work in less than 18 months. I expect to be shipping ore to help defray the expenses in 60 days, and I am hoping once I start shipping that I can continue to ship a car or more a month during the life of the project. I expect my current expenses to be high and I figure it will cost about $50,000 before the mine will be on paying basis.

Part of Tidal Wave ...
Mining District
Scale 1" = 1000'



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. Oma-768X

Date received 6/4/51

James Kearney
605 West Quartz St.
Butte, Montana

Name and address of applicant

Date May 28, 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

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

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

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

James Kearney
(Name of company)

By James Kearney
(Signature of authorized official)

May 28, 1951
(Date)

Owner
(Title)

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

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

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
GENERAL TECHNICAL DATA Form M. F. 100

James Kearney
605 W. Quartz St.
Butte, Montana

1. Materials Produced:
   (a) Lead, Silver, and Gold.
   (b) Iron and Sulpur.
2. Copper King Lode and Madonna unpatented Claims.
   (a) 400 cubit feet.
   (b) One tunnel 150 ft. another 50ft.
   (c) No adits.
   (d) An open cut made with a bulldozer for two hundred and fifty feet.
   No the mines are not flooded. No pumping problems. The size or productive capacity is hard to say at the present time as the property is not developed as yet, that is why I would like to secure your aid at this time to develop the property and find out the productive capacity.
3. (a) Twelve miles N. E. from Twin Bridges.
   (b) Tidal Wave mining district.
   (c) T. 5S. R. 5W. Sections 1 and 12.
   (d) Madison County, Montana
4. (a) No the property is not in operations at the present time.
   (b) I am the owner. I am not operating at the present time.
5. Number of years in production:
   The Copper King Claim was located Oct. 18, 1901. It was patented in Sept. 7, 1916. I obtainted this Claim June 11, 1948 from Madison County by a Quit Claim Deed and I do not know the past production of this claim. It was in 1948 that the bulldozer make the open-cut, but I run out of funds before I could prove the claim. I do not know the past production of this claim. The Madonna claim I located and filed for record July 10, 1948. I have not producted from this claim yet. I would say I could have both claims in operations two months after receiving government assistances.
6. Experience of operators:
   I have had ten years experience at leasing and general mining. I have had seven years experience at contracting cement and plaster ing work, and at the present time I am a member of the Kearney Bros. Construction Co. This Company is incorporated under the laws of the state of Montana. I will be the manger. Mr. Uno M. Sahinen will be my consulting mining geologist. Mr. Sahinen is a well known and capable mining geologist, with twenty years experience.
7. History:
   (a) All I know of the previous exploration is stated in question two. The reasons for suspension of operations, the low price of metals and the hardships under which the last owner had to operate. The past production of the property is
   (b) not known to me.
   The Lincoln, Linda, and Lighthouse, adjoining the Copper King and Madonna, has produced some very high grade lead ore and at the present time assays of lead running from six to fifty percent lead may be obtained. Copper and zinc samples are also obtainable on these properties. The total amount produced by these properties is not available to me. I own ½ interest in the Lincoln, Linda, and Lighthouse. The Giant which also adjoins the Copper King has produced gold, silver, and lead. The Little Bear, and Grouse claims which adjoins the Gaint shipped ore containing lead and silver. The Bielenberg and Higgins mine which isa mile east from the Copper King produced some high grade gold, silver, lead, copper, and zinc ores.
   (c) According to our investigations the ore in the shallow shaft is a continuation of the Lighthouse vein. The last sample which Mr. Sahinen took May 8, 1951 proved that this was so. The vein sampled silver, 2.30 ozs., gold 0.12 ozs., lead 9.20 percent. He also took a grab sample off the dump, which sampled 4.50 ozs. silver, 0.07 ozs. gold and 26.90 percent lead. We would like to expose this vein as far as possible as the vein is dipping in the direction of the road and the closer we can expose it to the road the less expense we would have. It would also enable us to determined what our production might be.

James Kearney
605 W. Quartz St.
Butte, Montana

8. I am the sole owner and intend to be the sole operator. I intend to hire all my help.
9. No stock has been issued.
10. The production is unknown to me.
11. There is no production at the present time.
12. The ore reserves I will have to prove with my development work. According to the strike and dip it may be very great.
(a) A porphyritic sill penetrates lower paleozoic sediments and is directly over-lain by a limestone member. Lead has been developed in both the porphyry and the limestones.
(b) The properties are insufficient develop to determine the possible ore reserves.
13. Twelve miles to shipping point on a good mountain road. At the present time it is in very good condition.
14. Bear creek and Little Bear creek crosses the Copper King claim with an ample water supply the year around.
15. Power:
To start with I intend to use gasoline power. If I should uncover enough ore, which would warrant more power; a power-line passes thru the Copper King claim and I am sure if I need the power the Montana Power Co. would be glad to supply this power.
16. Labor:
Two miners and 3 to 4 laborers.
17. Equipment and Facilities:
At the present time I have three trucks. One large enough for hauling ore, and two pickup trucks. I have prospects of obtaining a compressor in the near future. I do not have any buildings on the properties at the present time, but intend to build living quarters and other necessary structures.
18. The whole development program is contingent on obtaining this loan which will be used to build the necessary access road, not over one mile, and to pay for the necessary wages and supplies to develop the properties.

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-768 X

Date received 6/4/51

Participation

James Kearney
605 West Quartz St.
Butte, Montana

Name and address of applicant

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28, 1951

Estimated cost $50,000.

Mineral or metal Lead

Percentage of Government participation $25,000

Location of mine Tidal Wave mining district
Madison County, Montana

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

CERTIFICATION

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

James Kearney
(Name of company)

By James Kearney
(Signature of authorized official)

May 28, 1951
(Date)

Owner
(Title)

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

*Same as footnote on page 1.

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

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
THE APPLICANT MF-103

James Kearney
605 W. Quartz St.
Butte, Montana

*1. An individual.
*2. No partners
*3. It is not a corporation, and there are no stockholders.
*4. I have prospected these claims and the surrounding claims for the past ten years, I worked at mining for a livelihood, and have a general knowledge of mining. I have worked at construction and I am a partner with the Kearney Bros. Construction Company. My business record is very good. The project will be managed by me, James Kearney.
*5. The owner.
*6. There are no claims, liens, or encumbrances against the property.
*7. It is not a lease.
*8. The Copper King claim contains 21 acres and is valued at five dollars an acres I do not owe any back taxes.
*9. A thousand dollars. Two years of my labor and three trucks. Yes.
10.(a) The Copper King claim Mineral Survey No. 9952. And the Madonna unpatented claim.
(b) Both areas are the same.
11. The Copper King and the Madonna claims.
12. The property is located in the Tidal Wave mining district, sec. 1 & 12, T. 3S. R. 5W., Madison County, Montana. The nearest town is Twin Bridges, 12 miles southwest, railroad 12 miles, shipping point 12 miles. The Direction is N. E. from Twin Bridges. The properties are located about ½ mile from a very good mountain road.
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19. This I did on Form MF 100 question 18.
20. Lead and silver. It is possible also to encountered copper and zinc.
21. A propose road about a mile long, which I believe would take a week maybe two weeks to build. If the bulldozer should uncover the vein while the road is being build, which is very possible, I intend to strip the vein with the bulldozer as far as is practical for successfully mining operations. How long this might take is hard to say, but I assume this could be accomplished in three to six months. If the dozer does not cut the vein at a more convenient point, I intend to drift on it where it is now exposed and further develop it. The proposed work can be accomplished in less than two years.

James Kearney
605 W. Quartz St.
Butte, Montana

*22. The Copper King and Madonna claims are in the upper reaches of Bear Gulch in the Tidal Wave mining district sec. 1 & 12 T. 3S. R. 5W., northeast of Twin Bridges, Madison County, Montana. The country rocks are sediments of middle and upper cambrian age (Wolsey, Meagher, Park, and Pilgrim formations). The ore deposits occur as bedding plane replacements in the Meagher limestone which is the host rock for many important ore deposits in south-western Montana in such districts as the Highland Mountains, Hecla (Syrent) district, Philipsburg, and others.

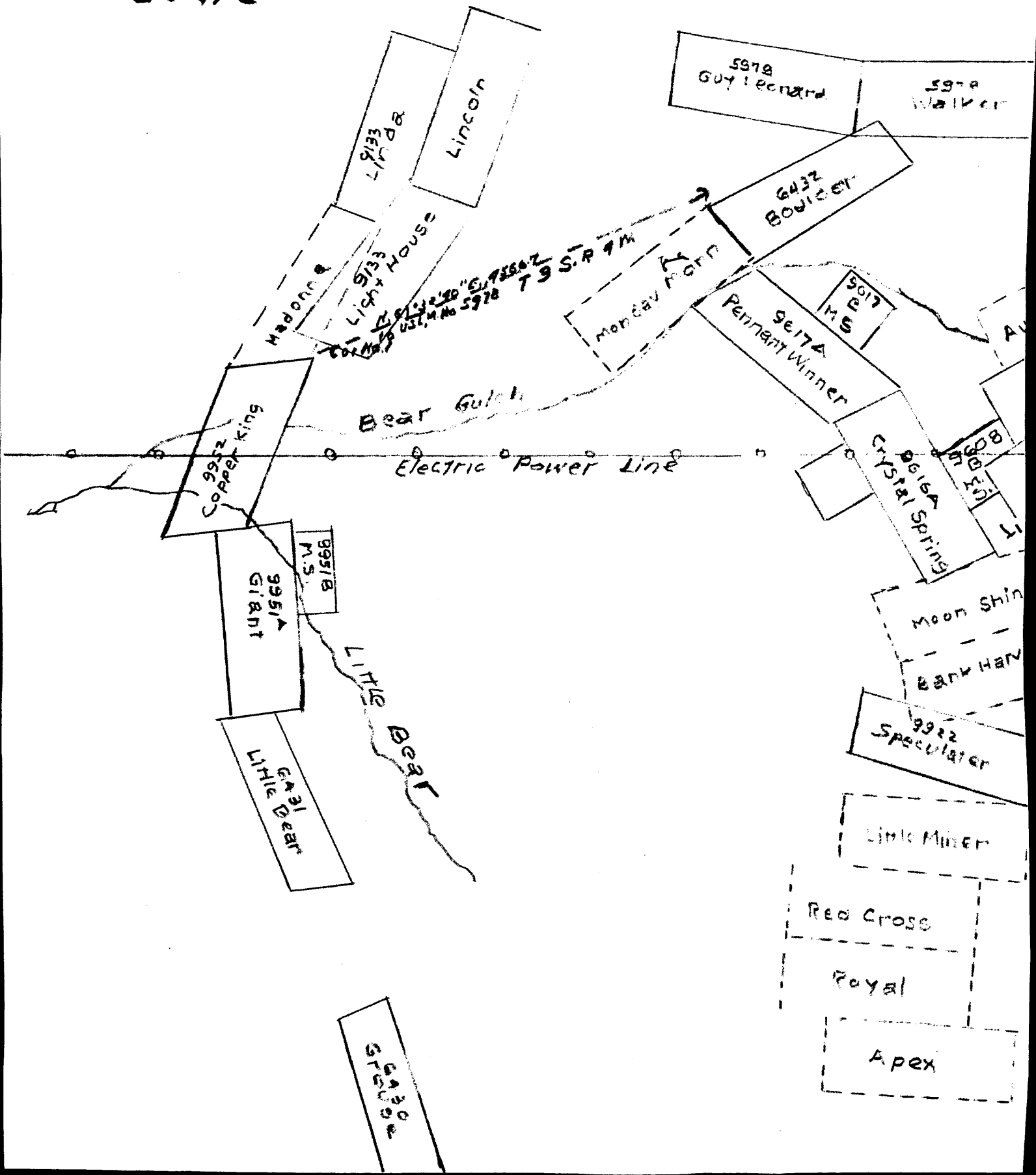
The ore, where exposed in surfaces cuts consists of porous quartz, earthy brown limonite, and greasy grey cerussite (lead carbonate). Some specimens showed residual galena (lead sulphide). The lead contents of near surface materials ranged from 9 to 30 percent. At the best exposure on the Madonna unpatented mining claim, the vein has a northly strike and dips about 25 degrees west. Here at least 3 feet of the vein is exposed, the footwall not being uncovered. A sample across the exposed portion of the vein assayed 0.12 ounces in gold, 2.50 ounces in silver, and 9.20 percent in lead. A grab sample of the dump material showed 0.07 ounces in gold, 4.50 ounces in silver and 28.90 percent in lead.

Surface indications are such as to warrant much more exploratory work to prove the extent of this vein. It is undoubtedly of the same system as the veins which are exposed on the Linda, Lighthouse, and Lincoln claims to the north.

Geo. W. Sahinen

WM. M. SAHINEN, Geologist

*23. (a) Two miners at $15. a day each. Three laborers at $12. a day.
(b) I, James Kearney will be the supervisor, my wages to apply as part of my investment. One consulting engineer with a salary of $100. a month. Part time.
(c) Cost of building living quarters and other structures would be around $5,000.
(d) As close as I can figure this will cost close to $5,000.
(e) Air hoses, rails, steels and bits, power and caps, this will cost around $500.
(f) Bulldozer which will cost around $100. a day.
(g) Three trucks, shovels, picks, bars, ropes, mine car, some pipe a jack hammer, cement mixer, wheelbarrows, some rails, etc. at $75. a day.
(h) I intend to rent the government most of this equipment.
(i) Gasoline, oil, grease, carbide etc. at about $30. a day.

24. I intend to finish exploratory work in less than 18 months. I expect to be shipping ore to help defray the expenses in 60 days, and I am hoping once I start shipping that I can continue to ship a car or more a month during the life of the project. I expect my current expenses to be high and I figure it will cost about $50,000 before the mine will be on paying basis.

Part of Tidal Wave Mining District
Scale 1" = 1000'