DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 657

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

_____

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: Copper Branch Date 2/12/51

To: Docket Control Center Date 11/20/51

To: _____ Date _____

To: _____ Date _____

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CONTROLLED DOCUMENT

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

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

March 5, 1952

Memorandum

To: Mails and Files

From: Grace L. Ault
Rare and Misc. Metals Division

Subject: Closed dockets

The attached dockets should be closed in accordance with letters mailed to each applicant on January 31, 1952, allowing 30 days within which to submit additional information needed to process the applications. No responses have been made.

The files are as follows:

DMA-657X J. Andrew West (Black Rock Mine), Box 844, Prescott, Arizona
DMA-1061 Dan Buchanan, Box 23, Crossnore, North Carolina
DMA-1493 Piedmont Mining Company, P. O. Box 323, Spartanburg, S. C.
DMA-1546X Georgia C. Kaihof, c/o L. L. Hartley, Fresno, California
DMA-1547X Emperor-Duchess Mines Co., Inc., Fairfield, Idaho

Grace L. Ault

J. Andrew West
Lawyer
Prescott, Arizona

"Juneteenth" 1951

Mr. Tom Lyon
Director Supply Division
Defense Minerals Administration
Washington 25, D. C.

Dear Mr.Lyon: RE:Docket No.DMA-657X

Your letter 12th instance received and studied. Could I spare the funds I would go 50-50 with you at once to drill the Black Rock Copper. But doing assessment work on several groups, paying taxes right and left, spending the rest for inflated merchandise and food I must forego your kind offer. But if any other arrangement could be made I would be favorable. In the first place I cut the application to the red. I would take down my bull dozer and build our road and would arrange to keep the drilling supplied with water, and then when two holes are drilled if you don'd find a big copper mine as a result of secondary enrichment I would deed the three patented claims and locations to the Government.

Your Mr. Anderson, in charge of Government inspection of Properties, for your Department, saw me yesterday and stated you are drilling a property near me already. I know the property you are drilling, and your engineers and any other engineers will say that my property apperars to be a much larger mine.

I am making you a big offer, but I have no fear of losing, because the two holes 1000 feet each would reveal so much enriched copper ore that operators would take over and just about supply the Government with all the copper it needs.

Those who know me best do no accuse me of getting excited over a prospec prospect. I have shipped alot of ore, and have thrown out good looking pieces of ore until it hurt, because I knew the pieces did not have enough "kick" in them I knew the men who worked in the Black Rock and knew them to be honest and truthful. Thus I know the Black Rock is a big copper mine asleep in Gentleman Jim's Canyon, near the Hassayampa River.

Copy to Senator Ernest W. McFarland
The United States Senate
Washington, D.C.

Respectfully yours,

J. Andrew West

COPY

FILE COPY
SURNAME:

Bowen

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

June 12, 1951

Re: Docket No. DMA-657X

Mr. J. Andrew West
Box 844
Prescott, Arizona

Dear Mr. West:

The Copper Branch of the Defense Minerals Administration has studied your application for an exploration loan. We are sorry that we cannot take action on your application because the Act as stated in Section 9, Subsection (a) of the MO-5 is based on the matching of funds. In the case of copper the Government will supply 50 percent of the necessary funds to finance an approved project, but the other 50 percent must come from private sources. The estimated cost of your project is $7,500 and you state that the Government participation is to be $7,500 with all to be repaid with ore. We regret that a loan cannot be made under these terms.

As stated in your application $6,000 was for two 1,000 feet core drill holes at $3.00 per foot and $1,500 was to be used to fix road and for water. This cost should be broken down into the cost of each item, and you perhaps could obtain aid for access road. For this purpose we are enclosing five copies of Form MF-105.

In case you can arrange to raise the necessary 50 percent of the cost of the exploration project, you may amend your application giving us notice to that effect.

Very truly yours,

Tom Lyon

Tom Lyon, Director
Supply Division

Enclosures

JWAlt:pf

Copy to: Executive Officer, DMA Field Team, Region IV
224 New Customhouse, Denver 2, Colorado
Executive Secretary
Copper Branch, Room 3423,
Files

Docket 657

856

FILE COPY
SURNAME:

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

May 11, 1951

Mr. J. Andrew West
Box 844
Prescott, Arizona

Dear Mr. West:

We acknowledge your letter of May 4 addressed to Mr. J. B. Cowen, regarding information on serialization of mines.

We are enclosing several copies of the MO-7 Order for your information. You will note that under Section 5 that small mines applying for a serial number may furnish us with the information by letter instead of filing a form MF-100. It is requested that four copies of their letter should be addressed to the Defense Minerals Administration. We will supply copies of both the MO-7 Order and Form MF-100 to the Arizona Small Mines Operators Association, attention of Charles F. Willis, Phoenix, Arizona.

Very truly yours,

SIGNED

Francis B. Speaker
Chief, MRO Branch
Requirements Division

Enclosures
FBSpeaker:dbs

Copy to: Administrator's Reading File
Mr. Montag
Mr. Strobel
Files

FILE COPY
SURNAME:

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

April 27, 1951

Re: Docket No. DMA-657

Mr. J. Andrew West
Prescott
Arizona

Dear Mr. West:

This acknowledges receipt of your letter of April 20, requesting application forms for an exploratory drilling project on your copper property.

As it happens, I had written you April 19, sending you the desired forms. We shall be pleased to consider your application when and if you decide to submit one.

Very truly yours,

J. B. Gowen

J. B. Gowen, Acting Chief
Copper Branch, DMA

CHJohnson:pf

Copy to: Executive Secretary w.c.i.
Copper Branch Room 3423 w.c.i.
Files

657

856

April 27, 1951

Re: Docket No. DMA-657

Mr. J. Andrew West
Prescott
Arizona

Dear Mr. West:

This acknowledges receipt of your letter of April 20, requesting application forms for an exploratory drilling project on your copper property.

As it happens, I had written you April 19, sending you the desired forms. We shall be pleased to consider your application when and if you decide to submit one.

Very truly yours,

J. B. Cowen, Acting Chief
Copper Branch, DMA

CHJohnson:pf

Copy to: Executive Secretary w.c.i.
Copper Branch Room 3423 w.c.i.
Files

Phone
Office52
Home 08-JI

J. Andrew West
Lawyer
Prescott, Arizona

April - Twenty
1 9 5 1

J. B. GOWEN, Acting Chief Copper Branch DMA
Department of the Interior
Defense Minerals Administration
Washington 25, D. C.

Re: DOCKET NO. DMA-657

Dear Mr. Gowen:

Thanks for your letter of 10th instance. Engineer after engineer appraise the property as being secondarilly enriched, but private capital will not core drill 1000 feet to prove this. Canadians had sunk a shaft over 400 feet prior to World War I, which War stopped Canadian money from coming to the States for mining and also called the fellows to the Canadian colors and thus ended their efforts. Since three of us acquired the property one of the three has gone to the Great Beyond and the two of us have been unable to do more than the assessment work and pay the taxes on the patented ground. This is unquestionably a big copper mine, but is there any way or agency that would core drill one hole 1000 feet, provided we gave a mortgage on the property and also agreed to repay the cost of the hole out of production?

The title is in my name. I am willing to bet the property that the proposed hole would reveal a secondary enrichment and a big mine.

The DMA has already spent more in salaries than it would have cost to prove this property and get it into the production of copper.

Send me some kind of an application whereby I can get said hole drilled.

Respectfully yours,

/s/
J. Andrew West

COPY

CORRESPONDENTS:
WEST, SANDERS AND WEST
LAWYERS
CANTON, TEXAS
10418 WHIPPLE STREET
NORTH HOLLYWOOD, CALIF.

~~LANDON F. STROUT~~ Mr. Gowen

J. ANDREW WEST
LAWYER
PRESCOTT, ARIZONA

PHONES:
OFFICE 52
HOME 08-J1

April-Twenty Four
Nineteen-Fifty One

Mr. J.B.Gowen ,Acting Chief Copper Branch ,DMA,
United States Department of the Interior
Defense Minerals Administration
Washington 25, D.C.

Re: Docket No.DMA-657

Dear Mr.Gowen:

Thanks kindly for yours of 19th instance with Forms, which I have filled out and four copies enclosed herewith. Your prompt attention to this matter is not only appreciated but is convincing that you are on the job in search for copper ore.

Very Truly Yours,

JW

J.ANDREW WEST

FP-jaw
4 copies Enclosed.

CORRESPONDENTS:
WEST, SANDERS AND WEST
LAWYERS
CANTON, TEXAS
10418 WHIPPLE STREET
NORTH HOLLYWOOD, CALIF.

~~LANDON F. STROBEL~~

J. ANDREW WEST
LAWYER
PRESCOTT, ARIZONA

PHONES:
OFFICE 52
HOME 08-J1

answered 4-27-51 CHS:pf

April-Twenty
1 9 5 1

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 24 1951
LANDON F. STROBEL
Executive Secretary

J.B.GOWEN, Acting Chief Copper Branch DMA
Department of the Interior
Defense Minerals Administration
Washington 25, D.C.

Dear Mr.Gowen: RE: DOCKET NO. DMA-657

Thanks for your letter of 10th instance. Engineer after engineer appraise the property as being secondarilly enriched, but private capital will not core drill 1000 feet to prove this. Canadians had sunk a shaft over 400 feet prior to World War I, which War stopped Canadian money from coming to the States for mining and also called the fellows to the Canadian colors and thus ended their efforts. Since three of us acquired the property one of the three has gone to the Great Beyond and the two of us have been unable to do more than the assessment work and pay the taxes on the patented ground. This is unquestionably a big copper mine, but is there any way or agency that would core drill one hole 1000 feet, provided we gave a mortgage on the property and also agreed to repay the cost of the hole out of production?

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The DMA has already spent more in salaries than it would have cost to prove this property and get it into the production of copper.

Send me some kind of an application whereby I can get said hole drilled.

Respectfully yours,

J Andrew West

J.ANDREW WEST

BUREAU OF MINES
WASHINGTON, D.C.

APR 24 10 33 PM '51

FILE COPY
SURNAME:

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

April 19, 1951

Docket No. DMA-657

Mr. J. Andrew West
Box 844
Prescott, Arizona

Dear Mr. West:

Enclosed herewith is a copy of a press release dated April 11, 1951, a copy of the pertinent regulations, Form MO-5, also five copies each of the Form MF-100 (General Technical Data) and Form MF-103 (Application for Aid for an Exploration Project).

Very truly yours,

J. B. Gowen
J. B. Gowen, Acting Chief
Copper Branch, DMA

Enclosures:

JBGowen:bal

Copy to: Executive Secretary
Copper Branch
Files

DMA 657

856

FILE COPY
SURNAME:

Johnson

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

April 10, 1951

Re: Docket No. DMA-657

Mr. J. Andrew West
Box 844
Prescott Arizona

Dear Mr. West:

A study of your loan application for the Black Rock mining property in Yavapai County, Arizona, indicates that it comes under the category of an exploration project for which direct loans are not being made. Instead, a program about to be put into effect will make funds available on a matching basis for approved exploratory projects.

The enclosed press release of February 20, 1951 describes in general terms the way in which you may receive assistance for an exploratory project. If after studying the attached notice you feel that you wish to apply for assistance on a matching basis we will gladly send you the regulations and application forms when they become available.

Very truly yours,

J. B. Gowen

J. B. Gowen, Acting Chief
Copper Branch, DMA

Enclosure

JJCollins:pf

Copy to: Executive Officer, DMA Field Team, Region IV,
224 New Customhouse, Denver 2, Colorado
Executive Secretary
Copper Branch
Files

Barnard 657

856

FILE COPY
SURNAME:

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

February 21, 1951

Mr. J. Andrew West
Box 844
Prescott, Arizona

Dear Mr. West:

We are in receipt of your application for a lease on the Arizona Gold Group. This application has been given the number of DMA-657. Please use this number in future correspondence.

Your application will be considered as soon as possible.

Very truly yours,

Tom Lyon

Tom Lyon, Chief
Copper Branch

TLyon/apd

CC - Executive Secretary - 4623
Executive Officer, Field Team, Region IV (2)
Copper Commodity Committee
Files

Dmma 657

858

Form MF-103
(April 1951)

U. 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 657 X

Date received

Participation

J. Andrew West
Box 844
Prescott, Arizona

Name and address of applicant

Date April 24, 1951

~~Application with complete data made on form RMB-146 February 12, 1951~~

FILL IN THIS BLOCK

Date of application April 24, 1951

Estimated cost $7500.00

Mineral or metal Copper

Percentage of Government participation 7500. with all to be repaid with ore

Location of mine Black Rock Mine, Centleman Jim's Canton, Black Rock District, about ten miles northerly from Hickenburg, Arizona, near Hassayampa River, in Yavapai County, Arizona

Date of filing MF-100 Filed form RMB-146 Feb.12, 1951

DMA Docket Number, if available DMA-657

INSTRUCTIONS

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

THE APPLICANT

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

*2. If a partnership, state names and addresses of partners.

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

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. J. Andrew West, resident Yavapai County, Box 844, Prescott, Arizona

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

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

7. If lessee, attach a copy of the lease and state if it is in good standing.

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

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

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)? Pay up taxes, assessment work [illegible] all applicant can spare

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

16—64067-1

dma 657 (Cont.)

8 sig

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. Black Rock Mining Property

*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. Ten Miles Kichenburg, Arizona on ATSF

*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. Power nearby Water in Kusayampe R.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. Two roads to property, both needing some repairs. River at W. end property

15. State in detail how the ore could be shipped and how and where milled. Millsite on Property. R.R. 10 miles

*16. History: Canadian 1914-16 sank 400 ft. (See reports form [illegible] filed Feb. 12, 1951)

(*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. Canadians sank 400 cross cutting, 1916 war

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

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

*17. Production: Form [illegible]-140, Feb. 12, 1951

(*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	See Reports Form [illegible]-140, Feb. 12, 1951			

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

(*a*) Describe the ore or mineral deposits briefly. Blocu red deposit about 2000 ft. wide; mile long

(*b*) Submit available maps and assay data. Filed with Form [illegible]-140 Feb. 12, 1951

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

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions. Old working easily restored, but purpose of loan to core drill deeper to prove secondary enrichment

THE EXPLORATION

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

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. 30 days

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. See Reports, Page [illegible] Form [illegible]-140, Feb. 12, 1951

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. Core drill 3.00 foot covering all costs. 5 holes 1000 ft.

(*b*) Supervisors, by numbers and positions, with salaries of each. None

(*c*) Cost of necessary repairs to existing facilities, structures, and buildings. $5000.

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings. None

(*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. None

(*f*) Cost of rental for equipment which the operator proposes to rent. none

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work. None

(*h*) Cost of materials and supplies, including items of equipment costing less than $50 each. None

(*i*) Cost of power, water, utilities, and any other items not provided for above. None

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. Already covered. The $1500. above core drilling would fix road and water

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.

The items of expense called for would be taken care of in contract with driller on footage basis

(Name of company) By (Signature of authorized official)

April 24, 1951 (Date)

Individual 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

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. _____

Date received _____

☐ Original application on form MF-100, Feb. 1, 1951

Name and address of applicant

J. Andrew West
Box 944
Prescott, Arizona

Date April 24, 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? Copper
   (*b*) What are the byproducts, if any? Gold
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. [illegible] feet
   (*b*) Linear feet of drifts and crosscuts. 2145
   (*c*) Linear feet of tunnels or adits. Included in 2145 ore reports
   (*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. Yes
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 20 miles N. Ickenburg, Ariz. On
   (*b*) Mining district. Black Rock Mining Dist. Gentleman Jim's Canyon
   (*c*) Township, Section, Range. [illegible] Sec. [illegible] Range [illegible] Gila & Salt River Base & Meridian
   (*d*) County, State. Yavapai County, Arizona
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. No
   (*b*) Are you operating this property as:
   ☐ Owner. J. Andrew West
   ☒ Lessee.
   ☐ Contractor.
5. Number of years in production About 5 yrs. 1910 to 1915 when World War I stopped Canadians from ore critical
   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. [illegible] Mining, legal work lately mining
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. [illegible] Steve, [illegible] Pisto,
   (*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.
   Couple reports filed from [illegible]

16—63792-1

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc.; Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
J. Andrew Lost, Individual Owner, Box 644, Prescott, Arizona							
	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)	None				
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. Answered heretofore

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.

Deposit of and 1000 feet widepile long

(*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)					

100 feet wide; mile long
Reports cover development.

(*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: Need some improvement

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

14. Water Supply: Chesapeake River at end of Property

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

15. Power:

State amount of power required 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.

(Name of company)

By _____
(Signature of authorized official)

April 24, 1951
(Date)

Individual 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

Form MF-103
(April 1951)

U. DEPARTMENT OF THE INTERI
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 657X

Date received

Participation

J.Andrew West
Box 844
Prescott, Arizona

Name and address of applicant

Date April 24, 1951

Application with complete data made on Form NSRB-146 February 12, 1951

FILL IN THIS BLOCK

Date of application April 24, 1951

Estimated cost $7500.00

Mineral or metal Copper

Percentage of Government participation 7500. with all to be repaid with ore

Location of mine Black Rock Mine, Gentleman Jim's Canton, Black Rock District, about ten miles northerly from Wickenburg, Arizona, near Hassayampa River, in Yavapai County, Arizona

Filed Form NSRB-146 Feb.12, 1951

Date of filing MF-100

DMA Docket Number, if available DMA-657

INSTRUCTIONS

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

THE APPLICANT

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

*2. If a partnership, state names and addresses of partners.

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

*4. Describe the mining and general business experience of (a) the applicant, and (b) the person or persons who will manage the project. J.Andrew West, President Yavapai Council ASMOA, Box 844, Prescott, Arizona

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

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

7. If lessee, attach a copy of the lease and state if it is in good standing.

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

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

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)? None as taxes, assessment work consumes all applicant can spare

*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. Black Rock Mining Property

*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. Ten Miles Wickenburg, Arizona on ATSFRY

*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. Power nearby Water in Hassayampa R.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. Two roads to property, both needing some repairs. River at W. end property

15. State in detail how the ore could be shipped and how and where milled. Millsite on Property. R.R. 10 miles

*16. History: Canadian 1914-16 sank 400 ft. (See reports Form NSRB Filed Feb. 12, 1951)

(*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. Canadianssank 400 cross cutting, 1916 War stopped 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. Complete Rpts., map, filed Form NSRB-146, Feb. 12, 1951

*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				

See Reports Form NSRB-146, Feb. 12, 1951

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

(*a*) Describe the ore or mineral deposits briefly. Blood red deposit about 1000 ft. wide; mile long

(*b*) Submit available maps and assay data. Filed with Form NSRB-146 Feb. 12, 1951

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

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

Old working easily restored, but purpose of loan to core drill deeper to prove secondary enrichment

THE EXPLORATION

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

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. 30 days

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. See reports, maps filed Form NSRB-146, Feb. 12, 1951

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. Core drill $3.00 foot

(*b*) Supervisors, by numbers and positions, with salaries of each. covering all costs. 2 holes 1000 ft.

(*c*) Cost of necessary repairs to existing facilities, structures, and buildings. None $6000.

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings. None

(*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. None

(*f*) Cost of rental for equipment which the operator proposes to rent. None

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work. none

(*h*) Cost of materials and supplies, including items of equipment costing less than $50 each. None

(*i*) Cost of power, water, utilities, and any other items not provided for above. None

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. Already covered. The $1500. above core drilling would fix road and water

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.

The items of expense called for would be taken care of in contract with driller on footage basis

(Name of company)

By _____
(Signature of authorized official)

April 24, 1951
(Date)

Individual 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

Form MF-100
(March 1951)

U. DEPARTMENT OF THE INTERI
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. .....

Date received .....

J.Andrew West
Box 844
Prescott, Arizona

Name and address of applicant

Original application on Form NSRB-146, Feb.12, 1951

Date April 24, 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? Copper
   (*b*) What are the byproducts, if any? Gold
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. 435 feet
   (*b*) Linear feet of drifts and crosscuts. 1145
   (*c*) Linear feet of tunnels or adits. Included in 1145 .See reports
   (*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. Yes
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 10 miles N.Wickenburg, Ariz. In
   (*b*) Mining district. Black Rock Mining Dist. Gentleman Jim's Canyon
   (*c*) Township, Section, Range. Sec.36, Twp.9 N.R.4 W. Gila & Salt River Base & Meridian
   (*d*) County, State. Yavapai County, Arizona
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. No
   (*b*) Are you operating this property as:
   - ☐ Owner. J.Andrew West
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production About 5 yrs.1910 to 1915 when World War I stopped Canadians

   If not in production or operation, estimated date when production will begin Soon as core drilled
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. Shipped many cars. President Yavapai Council ASMOA, constantly in touch with mining, legal work larely mining
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. Congress
   (*b*) State briefly the known history and production of adjoining and neighboring properties. Octave, Monte Cristo
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

Comple reports filed Form NSRB-146

16—63792-1

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
J. Andrew West, individual Owner, Box 844, Prescott, Arizona							
	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)	None				
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. Answered heretofore

12. Ore or Mineral Reserves:

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

Deposit of red 1000 feet wide;mile long

(*b*) If deposit is other than plac

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

(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: Reports cover

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) 1000 feet wide;mile long					
Indicated (probable) Reports cover development					

(*c*) If placer:

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

(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: Need some improvement

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

14. Water Supply: Hassayampa River at W, End of Property

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

15. Power: Power lines nearby

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.

(Name of company)

By _____ (Signature of authorized official)

April 24, 1951

(Date)

Individual 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

Reports dma 157

Formerly BLACK ROCK MINES LTD.

LOCATION

This group is situated on the Hassayampa River 14 miles up the River from Wickenburg,Arizona, which is on the Santa Fe Ry. The group is 8 miles east of the Octave Mine (now operated by AS&RCO) and two miles west of the Monte Cristo Mine. A fairly good auto road is built from Wickenburg to Constellation and runs within two miles of the property. A road to the property is passable. The group consists of three patented, N.Y. San Francisco and Chicago, and 29 unpatented claims. The general formation of the district is granite,cut with intrusive porphyry dykes. The dykes on this property run east-west generally.

A large dyke cuts thru the center of the deposit. The granite is decomposed, oxidized and heavily impregnated with iron, with lime in someplaces, also quartsite, schist and gossen. The large porphyry dyke which runs thru the deposit dips to the south about 70 degrees from vertical.

The mineralized zone from the surface showin appears to be from six to seven hundred feet in width at the west end and widens to more than 2000 feet ne ar the east end and the length is about two miles. On the east end there is a large intrusion of Monzonite Porphyry which shows copper in places in the form of Azurite on the surface.

DEVELOPMENT

There is a 4 x 6 shaft down to the 435 foot level.There is a 300 foot tunnel crosscutting the shaft about 50 feet from the surface.There are two spurs from this tunnel of lesser length. The 2nd level is at a depth of 160 feet.This level crosscuts north 185 feet and south 35 feet all in oxidized ore zone and no walls.The 3rd level is at the 260 foot point in depth. This level drifts east 200 feet with a side spur 70 feet. The 4th level is at a depth of 360 feet and drifts 180 feet east and north. The 5th level is at a depth of 435 feet with a crosscut south 175 feet where it cuts the porphyry dyke, and a drift east and west from the south end of the crosscut and on the southside of the dyke exposed a vein of red oxide of iron ore.

Many samples were taken from the surface all showing gold and assaying from a trace trace to $4.00 per ton (at $20.67) A 1000 ton test made in 1907 from the surface tunnels and the crosscut on the 160 foot level gave a freemilling test of $3.60 per ton. The tailings pile shows a loss of a little better than $1.00 per ton.

In all these surface workings bunches of Azurite, Malachite and Copper Glence were found, these always running well in gold, silver and copper. In the south crosscut on the 160 foot level 1000 lbs. of this class of ore assay showed 288 ozs. in silver with some gold. On the 260 foot level 80 feet east of the shaft we encountered an unoxidized boulder about 30 feet thick. I assisted J.W.McCollum, President of the Company take two 50 lb. samples of the sulphide ore in this counder with these results:

No. 1	Gold $4.96	Silver 15.45 ozs.	Copper 12½ %	$33.41 (old price)
No. 2	Gold 1.60	Silver 17 oz.	Copper 12½ %	32.20 " "

Several smaller bunches of sulphides were found in the lower workings, about 20 in al which were assayed and these averaged $18.00 in gold and silver and ran from 5% to 15% in copper.

I was foreman of the shaft work down to the 360 foot level. Many of the surface tunne were run in 1907 and the shaft from the 360 foot level to the 435 foot level was put down in 1916, and the south crosscut was run at that time. Chas. Isacson was foreman at that time. Mr. Isaacson told me that along the crosscut from the 435 foot level considerable native copper was found, but these lower workings were still in oxidized ore. On this crosscut the porphyry dyke appearing on the surface was cut about 170 feet from the shaft. The dyke was much wider at this depth and carried some copper. On the southside of this dyke a vein of red Oxidized ore was encountered and it assayed $23.50 per ton in gold (old price) and carried some copper glance in a granular form, but was not assayed for copper. The ore was panned showing grains of gold as large as wheat grains and some wire gold.

(I had the pleasure of knowing well the writer of this report and his reputation for truth was 100%)

J.Andrew West, Attorney at law, Prescott,Arizona

The miners who panned this gold ore say it will run from $25 to $30 per ton in gold. The presence of Native Copper along this level indicates the near approach of the sulphide ore. It is quite possible that they will be reached in the next 100 feet.

CONCLUSION.

In 1901, before anything in the way of development had been done, I examined this property and advised the sinking of a shaft 500 or 600 feet in depth. I pointed out to them that all large copper deposits were oxidized to a considerable depth, and placed my estimate at that depth. I advised them always to sink, and always advised against the tunnels and drifts, but I did not have the say about the work to be done. I have always had the greatest confidence, that the Black Rock, Ltd. would make one of the big producers of Arizona. Any my confidence of the sureness of this becoming one of the large mines of this State has been strengthened as the development has progressed.

Signed H. H. Keays
Prescott, Arizona, Nov. 18, '28

FROM THE REPORT OF J. W. RAGSDALE, MADERIA, CALIFORNIA.
MADE IN 1907. THE LOWEST WORKINGS WERE ON THE L_) FOOT LEVEL.

BLACK ROCK MINES LIMITED, WICKENBURG, ARIZONA.

GENTLEMEN:

"I spent the major part of my time examining the Chicago Claim, especially as it is on this claim your work has been done so far, and the surface indications are marked more plainly on this particular claim. I have sampled the Chicago on the surface, and have several assays running from $1 to $2 in gold. There are also many surface indications of a large copper deposit.

"My examination consisted principally in going over the mineralized surface which appears to be 400 feet wide and about 3000 feet long. The formation appears to be of granite, decomposed, oxidized and heavily impregnated with iron, intermingled in different places with lime. There is a Porphry Dyke running through the center of this zone, apparently the entire distance of 3,000 feet.

"It will be necessary to do considerable amount of work before the real value of your property is demonstrated. However, I am of the opinion that with sufficient development, it should make one of the big producing mines of Arizona.

Signed - J. W. Ragsdale, M.E.
Maderia, Calif

FROM THE REPORT OF C. N. LYNN, ME. ABERDEEN, SCOTLAND, MADE IN 1902. JUST AFTER COMPLETION OF THE 185 FOOT CROSSCUT ON THE 160 FOOT LEVEL.

"Your mineral claims are apparently the full regulation size, about 600 feet wide and 1500 feet long each. The formation is decomposed granite interpperced with lime in places, heavily oxidized with iron cappings. The Porphry Dyke which runs through the property suns due southeast and Northwest, dipping to the south from the mineralized zone which is according to surface indications, considerably over 300 feet wide and at least 2500 feet in length.

"You have in your development work at the 160 foot level encountered a very good grade of ore carrying gold, silver, copper, and I would advise by all means to sink a shaft at least 500 or 700 feet if necessary to open up the sulphid ore body, which the indications so far are sufficient to warrant proceeding with the work.

"Your mine to date is very similar to the Red Mountain Mine in Australia, which I had charge of for some time, and which developed into one of the big Australian Mines. I am of the opinion that if your property was properly developed, by sinking shafts and crosscutting, you would have one of the greatest producers on the Pacific Slope.

"Your mineral deposit at the 50 foot level on the general indications as stated herewith, points to a very large deposit of copper with depth. The picked samples which I took assayed $225.50.

"This of course is not a fair criterion to go by as it was picked especially by me to find out the highest value you were able to encounter at that level. However, you have already a fair body of ore at this level which should more than pay the expenses of mining and milling though this is not advisable at this time as the more important thing to do is to sink your shaft and crosscut, blocking out your ore body.

Signed- C. N. Lynn, M.E.
Aberdeen, Scotland.

School of Mines, Kingston, Ontario.

This is to certify that samples of ore marked as below and assayed for J. W. McCollum, gave the following results per ton of 2000 lbs.

Gold- $4.96. Silver 15.45 Oz. Copper 13 per cent valued at.12½¢

Signed- G. J. McKay, Assayer

Thomas Heys & Sons, Assay and Consulting Chemists, Toronto, Ont.

We certify that we have made an assay of ore marked No. 1, received from you, finding as follows:

Gold	$1.65
Silver	2.50
Copper	23.61
	$27.76

Gold	.52. oz.	$16.94
Silver-	43 .55 oz.	35.33
Copper	15. 24 P.C. 304.8	51.81
		$ 104.08

Gold	1.03
Silver	7.70
Copper	28.96
	$ 37.69

From F. J. Coleman, Phoenix, Arizona.

Gold	$ .83	Gold	$ 19.63
Silver	1.20	Silver	142.55
Copper	2.00	Copper	117.60
	$ 4.03		$ 279.78

TO WHOM IT MAY CONCERN:

I, E. N. Gibson, hereby certify that I worked at the Black Rock Mines Limited, under H. H. Keays as foreman down to the 360 foot level under Chas. Isaacson as foreman, from the 360 foot level to the 435 foot level. I know at the bottom of the shaft Isaacson cut thru the Porphry Dyke at the 435 foot level. The Dyke was 12 feet wide. On the south side of the Dyke he cut thru a gold ~~keing~~ vein, which I understood was 4 feet wide. I panned many samples of this ore and found much coarse gold. I have been mining for 30 years and consider this a splendid place to make a large mine. Mr Kaiser a mining engineer examined the property just before they closed down. I never seen any thing come out of the mine except the tools and oxidized and sulphide ores. The gold ore vein is on the upper side of the Dyke. This shaft should be sunk to the 600 foot or 700 foot level.

Signed- E. N. Gibson

Witnesses: E. C. Whitesitt
H. H. Keays.

Glendale, Arizona, Nov. 25, 1928

TO WHOM IT MAY CONCERN:

I, Chas. Isaacson, hereby certify that I sunk the shaft, on the Black Rock Mines Limited, situated about 14 miles East of Wickenburg, Arizona, from the 360 foot level to the 435 foot level, and drove a cross cut thru the Porphry Dyke, and the crosscut was about 155 feet south of the bottom of the shaft; also I drifted on the Red Oxide gold vein, at brest of this crosscut, about 60 feet, on this level. All of the work was in ore, oxidized ore, with bunches of sulphides and copper glance and some native copper. At the southwest end of the cross-cut the drift, or crosscut, cut a red oxidized ore body 46 inches wide. This ground was examined by Kaiser, M.E. I held the light for him while he cut one sample across the gold vein and measured it. His copy of assay, which he mailed back to me, showed the ore run $23.50 in gold. It was free milling ore.

I have been mining many years and unhesitatingly say that I have no knowledge of a better place to make a mine than the Black Rock Limited. I consider it a large deposit and a little more depth will prove a big sulphide ore body.

At the time they closed the mine down in 1916, I was told by McLean the Superintendent in charge, that they shut down because the Canadian Government would not let any more money come out of Canada for mining, account of the war.

I have no hesitancy in recommending this group of claims to any one who wants to make areal mine. The ground made more water as we went down with the shaft. The mine made about 2000 gallons each 24 hours. Wesley Furbush and E. N. Gibson worked for me.

(Signed) Chas. Isaacson

Witnesses: E. C. Whitesitt
H. H. Keays.

Wickenburg, Arizona,
Nov. 25, 1928.

TO WHOM IT MAY CONCERN:

I, Wesley Furbush, hereby certify that I was employed by H. H. Keays, at the Black Rock Mines Limited, situated 14 miles east of Wickenburg, as tool sharpener and hoist engineer from the 160 foot level to the 360 foot level, and retained in the same capacity by Chas. Isaacson, during the time the work was continued to the 435 foot leval and the drift and crosscutting done at that level. I know there was no change in formation below the 360 foot level, except more sulphides and more native copper and more water than above that level. I was there when Mr. Kaiser, M.E. examined the ground. I personally examined the work below the 360 foot level, including the 46 inch vein of free milling gold ore. I know it panned rich in coarse gold. There was considerable amount of sulphide ore between the 360 foot and 435 foot levels. I also seen many specimens of native copper and copper glance. I have no interest in this group and make this statement voluntarily. The water increased as depth was gained. I have been mining since 1884 and consider this one of the best places to make a big mine I have ever seen. I think shaft should be sunk and quit scratching the surface.

Signed. Wesley Furbush.

Witnesses: E. C. Whitesitt
H. H. Keays.

GEOPHYSICAL REPORT OF THE BLACK ROCK MINES
NOW KNOWN AS THE RED MOUNTAIN GROUP.

Report by Prof. Geo. C. Cady.

These mines are Northeast of Wickenburg, Arizona, a distance of 14 miles and consists of 21 mining claims, or 420 acres of mineral bearing land. (Since this report was made 12 more claims have been located which go with the entire deposit)

My first test was a set up of the instrument on the north side of the Honolulu Claim. The indications for mineral were very good, but not so strong as the set up near the center of the Honolulu Claim, where the instrument indicated a large strong body of mineral bearing ore.

The next test to the west was on the San Diego Claim. This test was strong and no doubt a part of the same deposit of ore as was shown on the Honolulu Claim.

The set up next made was on the west end of the U. S. Claim and close to the large intrusive Dyke that cuts the whole length of the group; at this point the mineral sounding was very strong. Climbing from this point of last set up just mentioned to the top of the mountain, my next setup was on the Valley Claim. Here mineral indications were strong and indicate that the ore body extends to the contact line on the south. These conclusions are drawn from the fact that my instrument acts on a radius of 400 feet.

A setup was made on the Riverside Claim near the Cottonwood trees; here the mineral sounding was very strong. In crossing down towards the working shaft on the San Francisco and across the Watt Claim the mineral seems to be stratified with the formation and more in the form of large veins of ore. It is probable that this stratified condition extends across the Carpenter and Lewis Claims.

The next ~~xxxxx~~ setup was on the East end of the U.S.Claim. the mineral sounding was very good considering the fact that the test was made almost on the top of the Mountain, at an elevation of more than 300 feet above the collar of the shaft on the San Francisco Claim.

The nest setup was on the San Francisco Claim about 500 feet west of the shaft and near a series of quartz veins, which cross-cut the deposit North and south. At this point the mineral sounding was very strong, indicating heavy mineral deposit below the surfact. Two readings were made on the Chicago Claim east of the shaft; one near the side line of the Watt Claim. The mineral sounding here was excellent. Another test further east was also over a body of mineral.

My next setup was near the center of the east end of the New York Claim. This setup was the strongest reading I had, and indicating the center of a very large mineral zone.

A test was made on the side line of the Laura and the Charlotte; also two on the south side of the Blue Point Claim. These connected with the large central deposit on the New York Claim. My next setup to the east on the Powell Claim was good, indicating there is plenty of mineral to be found there.

From all indications the Eastern part of this group will produce the largest ore body and also the highest in mine metal values. The west end of this group has been proven by actual development of these ore bodies, of highly mineralized rich ores.

The whole group is more or less mineralized with mineral, and it is my judgment you have one of the Big Mines of Arizona, both in gold, silver and copper. In my Geophysical tests of various mineral deposits, this group is one of the largest mineral deposits I have ever tested out.

One other feature, the test showed that all the mineral deposit carries good Gold Values.

Signed. Prof. Geo. C. Cady.
Chicago, Illinois

Formerly with the Western Electric Co.

These tests were made Jan 25, 26 and 27, 1929, with H. H. Keays and L. S. Williams being present and assisting in the work.

PRELIMINARY REPORT OF THE BLACK ROCK MINES LIMITED.

This group consists of 33 mining claims, which are so located as to cover the outcrop of this large deposit. 3 of the said claims are patented, the other 30 are unpatented. The property is located about 14 miles North and a little East of Wickenburg, Yavapai County, Arizona.

GENERAL FEATURES.

Most all of the work in the way of development, has been done on the patented group. The property has the advantage of a power line crossing the group about 300 feet North of the Shaft, and the Hassayampa River is just west of the west end of the group and will furnish plenty of water for all purposes. There are several sources of water for domestic use on the ground. There is a good road to the property, which connects the property with Wickenburg. About one mile of this road will need some repair before heavy machinery can be moved in, there are still a few things of value, at the mine. The old Mill building is still in fairly good condition. There are two old Huntington Mills in the building and the old stands that held the amalgamating plates, there is a station pump with 3 or 3½ inch discharge, there is a 2 drill compressor but no air tank, a double cylinder hoisting engine with 450 feet of 3/4 inch cable. There is a good Gas engine, about 20 H. P. All this material seems to be usable. There are quite a few rails around the shaft, ore cars are missing. The shaft is caved and cannot be entered even from the tunnel. There is a fairly good house, 6 men and a cook can be cared for therein. The road runs to the house, and autos can drive down the wash to the river. There is little or no fuel on the property for domestic use.

MINE DEVELOPMENT.

(The underground work has been heretofore described in reports of H. H. Keays and others, therefore will omit same.)

GEOLOGY

The ore body of this property occurs in a highly sheared and brecciated mass of altered granite. I did not have the time to go carefully into the matter of faults, fissures and etc. There are a number ofigneous Dykes, stocks and blowouts which have a general trend of lengthwise of the property, these Dyke rocks are of great importance to this property, for at the time of these intruaions, the granite was crushed and highly altered, the said Dykes are composed of Diabase, Monzonite, Rhyolite Porphry and Diorite. The Porphry is mostly in the form of large blowouts and might carry good gold values. The Rhyolite seems to be dry unmineralized rock. The Monzonites carry bodies of copper ore ~~xxxxx~~ and possibly some gold and silver with it. The Diabase does not seem to be mineralized at the surface, but I have no doubt but copper will be found in it in place. The Diorite will be found to be a trap rock with little or no ore. The Igneous Dykes run in a Northeasterly and Southwesterly direction and generally north of the brecciated zone where the workings are located. I would say it would be well to thoroughly prospect the quartz porphry blowouts near the north side of the property.
It will hardly be possible for the whole rock mass in this great ore body to be mill ore, as there are doubless masses of rock that were not crushed enough to let the solutions which carried the minerals pass thru them; however, this cannot always be taken as a criterion, since the hot solutions do a lot of things not always shown on the surface, in any event it would seem to be enough tonnage in this great changed ore mass which is several thousand feet long by at least 400 feet wide, and more in places, to not mention the possibilities of Monzonite and Quartz Porphry Zones on the North side of the Dykes.

In conclusion I wish to say, should the sulphide Zone show up as large as the oxidized ore bodies above, the property will warrant an operation with steam shovels, and should furnish ore for a large mill for 75 years to come. I would therefore advise that the old shaft be cleaned and timbered, and sunk to at least 800 feet, then cross cut the mass and drift east and west along the ore mass for 1000 to 2000 feet and crosscut at intervals of 300 feet. Of course Diamond drill work would be fairly reliable, but it would take a lot of work on so large a deposit, if the sulphide zones are found to be as good as the surface would seem to indicate, the property would soon need a 5000 ton capacity mill.

I would recommend therefore that you thoroughly prospect the property as it seems to warrant the expenditure of a considerable sum of money for this purpose.

When the shaft has been put in working condition, no doubt the ore from the vein at the bottom of the shaft, running 46 inches wide and assaying $23.50 per ton in free milling gold together with the 12 foot vein on the 160 foot level, which assays $12 per ton in free milling gold would furnish sufficient money to continue the work of exploration until the large sulphide zone is opened up.

Respectfully submitted,

(Signed) Geo. W. Bartholomew
Geological Engineer.

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 657X

Date received

Participation

J.Andrew West
Box 844
Prescott, Arizona

Name and address of applicant

Date April 24, 1951

Application with complete data made on Form NSRB-146 February 12, 1951

FILL IN THIS BLOCK

Date of application April 24, 1951

Estimated cost $7500.00

Mineral or metal Copper

Percentage of Government participation 7500. with all to be repaid with ore

Location of mine Black Rock Mine, Gentleman Jim's Canton, Black Rock District, about ten miles northerly from Wickenburg, Arizona, near Hassayampa River, in Yavapai County, Arizona

Filed Form NSRB-146 Feb.12, 1951

Date of filing MF-100

DMA Docket Number, if available DMA-657

INSTRUCTIONS

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

THE APPLICANT

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

*2. If a partnership, state names and addresses of partners.

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

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. J.Andrew West, President Yavapai Council ASMOA, Box 844, Prescott, Arizona

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

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

7. If lessee, attach a copy of the lease and state if it is in good standing.

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

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

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)? None as taxes, assessment work consumes all applicant can spare

*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. Black Rock Mining Property

*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. Ten Miles Wickenburg, Arizona on ATSFRY

*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. Power nearby Water in Hassayampa R.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. Two roads to property, both needing some repairs.River at W.end property

15. State in detail how the ore could be shipped and how and where milled. Millsite on Property.R.R.10 miles

*16. History: Canadian 1914-16 sank 400 ft.(See reports Form NSRB Filed Feb.12,1951)

(*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. Canadianssank 400 cross cutting,1948 War

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

(*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations. Complete Rpts.,map,filed Form NSRB-146, Feb.12,1951

*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	See Reports Form NSRB-146, Feb.12,1951			

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

(*a*) Describe the ore or mineral deposits briefly. Blood red deposit about 1000 ft.wide;mile long

(*b*) Submit available maps and assay data. Filed with Form NSRB-146 Feb.12,1951

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

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions. Old working easily restored, but purpose of loan to core drill deeper to prove secondary enrichment

THE EXPLORATION

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

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. 30 days

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. See reports,maps filed Form NSRB-146, Feb.12,1951

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. Core drill $3.00 foot

(*b*) Supervisors, by numbers and positions, with salaries of each. Covering all costs.2 holes 1000 ft.

(*c*) Cost of necessary repairs to existing facilities, structures, and buildings. None $6000.

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings. None

(*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. None

(*f*) Cost of rental for equipment which the operator proposes to rent. None

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work. none

(*h*) Cost of materials and supplies, including items of equipment costing less than $50 each. None

(*i*) Cost of power, water, utilities, and any other items not provided for above. None

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. Already covered . The $1500. above core drilling would fix road and water

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.

The items of expense called for would be taken care of in contract with driller on footage basis

(Name of company) By _____ (Signature of authorized official)

April 24,1951 (Date)

Individual 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

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. _____

Date received _____

J.Andrew West
Box 844
Prescott, Arizona

Name and address of applicant

Original application on Form NSRB-146, Feb.12,1951

Date April 24,1951

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? Copper
   (*b*) What are the byproducts, if any? Gold
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. 435 feet
   (*b*) Linear feet of drifts and crosscuts. 1145
   (*c*) Linear feet of tunnels or adits. Included in 1145 .See reports
   (*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. Yes
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 10 miles N.Wickenburg,Ariz. In
   (*b*) Mining district. Black Rock Mining Dist. Gentleman Jim's Canyon
   (*c*) Township, Section, Range. Sec.36,Twp.9 N.R.4 W. Gila & Salt River Base & Meridian
   (*d*) County, State. Yavapai County,Arizona
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. No
   (*b*) Are you operating this property as:
   - ☐ Owner. J.Andrew West
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production About 5 yrs.1910 to 1915 when World War I stopped Canadians
   If not in production or operation, estimated date when production will begin Soon as core drilled
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. Shipped many cars. President Yavapai Council ASMOA, constantly in touch with mining, legal work larely mining
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. Congress
   (*b*) State briefly the known history and production of adjoining and neighboring properties. Octave, Monte Cristo,
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

Comple reports filed Form NSRB-146

16—63792-1

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
J.Andrew West, individual Owner, Box 344, Prescott, Arizona							
	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.)		None			
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. Answered heretofore

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. Deposit of red 1000 feet wide;mile le

(*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~~ ~~assay~~ of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL ~~RESERVES~~ Reports cover

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)
1000 feet wide; mile long					
Measured (proved)					
100 feet wide; mile long					
Indicated (probable)	Reports cover development.				

(*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. Unlimited 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: Need some improvement

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

14. Water Supply: Hassayampa River at W. End of Property

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

15. Power:

Power lines nearby

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.

(Name of company)

By (Signature of authorized official)

April 24, 1951

(Date)

Individual 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

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 657 X

Date received

Participation

J. Andrew West
Box 844
Prescott, Arizona

Name and address of applicant

Date April 24, 1951

~~Application with complete data made on Form NSRB-146 February 12, 1951~~

FILL IN THIS BLOCK

Date of application April 24, 1951

Estimated cost $7500.00

Mineral or metal Copper

Percentage of Government participation 7500. with all to be repaid with ore

Location of mine Black Rock Mine, Gentlemen Jim's Canton, Black Rock District, about ten miles northerly from Wickenburg, Arizona, near Hassayampa River, in Yavapai County, Arizona

Date of filing MF-100 Filed Form NSRB-146 Feb.12, 1951

DMA Docket Number, if available DMA-657

INSTRUCTIONS

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

THE APPLICANT

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

*2. If a partnership, state names and addresses of partners.

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

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. J. Andrew West, President Yavapai Council ASMOA, Box 844, Prescott, Arizona

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

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

7. If lessee, attach a copy of the lease and state if it is in good standing.

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

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

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)? None as taxes, assessment work consumes all applicant can spare

*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. Black Rock Mining Property

*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. Ten Miles Wickenburg, Arizona on ATSFRY

*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. Power nearby Water in Hassayampa R.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. Two roads to property, both needing some repairs. River at W.end property

15. State in detail how the ore could be shipped and how and where milled. Millsite on Property. R.R. 10 miles

*16. History: Canadian 1914-16 sank 400 ft. (See reports Form NSRB filed Feb.12, 1951)

(*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. Canadians sank 400 cross cutting, 1916 War stopped 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. Complete Rpts., map, filed Form NSRB-146, Feb.12, 1951

*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	See Reports Form NSRB-146, Feb.12, 1951			

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

(*a*) Describe the ore or mineral deposits briefly. Blood red deposit about 1000 ft. wide; mile long

(*b*) Submit available maps and assay data. Filed with Form NSRB-140 Feb.12, 1951

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

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

Old working easily restored, but purpose of loan to core drill deeper to prove secondary enrichment

THE EXPLORATION

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

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. 30 days

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. See reports, maps filed Form NSRB-146, Feb.12, 1951

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. Core drill $3.00 foot

(*b*) Supervisors, by numbers and positions, with salaries of each. covering all costs. 2 holes 1000 ft.

(*c*) Cost of necessary repairs to existing facilities, structures, and buildings. None $6000.

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings. None

(*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. None

(*f*) Cost of rental for equipment which the operator proposes to rent. None

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work. none

(*h*) Cost of materials and supplies, including items of equipment costing less than $50 each. None

(*i*) Cost of power, water, utilities, and any other items not provided for above. None

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. Already covered. The $1500. above core drilling would fix road and water

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.

The items of expense called for would be taken care of in contract with driller on footage basis

(Name of company)

By _____
(Signature of authorized official)

April 24, 1951
(Date)

Individual 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

Form MF-100
(March 1951)

U. DEPARTMENT OF THE INTERI
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. _____

Date received _____

J. Andrew West
Box 844
Prescott, Arizona

Name and address of applicant

Original application on Form MMP-146, Feb.12,1951

Date April 24,1951

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? Copper
   (b) What are the byproducts, if any? Gold
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. 635 feet
   (b) Linear feet of drifts and crosscuts. 1145
   (c) Linear feet of tunnels or adits. Included in 1145 .See reports
   (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. Yes
3. For each operation listed above supply the following:
   (a) Distance and direction from nearest town and shipping point. 10 miles N.Wickenburg,Ariz. In
   (b) Mining district. Black Rock Mining Dist. Gentleman Jim's Canyon
   (c) Township, Section, Range. Sec.35, Twp.9 N.R.4 E. Gila & Salt River Base & Meridian
   (d) County, State. Yavapai County, Arizona
4. (a) State whether or not property is now in operation, and if in operation, by whom operated. No
   (b) Are you operating this property as:
   - ☐ Owner. J. Andrew West
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production About 5 yrs.1910 to 1915 when World War I stopped Canadians
   If not in production or operation, estimated date when production will begin Soon as core drilled
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. Shipped many cars. President Yavapai Council ASCOA, constantly in touch with mining, legal work largely mining
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. Octave, Conde Cristo,
   (c) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

   Couple reports filed Form MMP-146

16—63792-1

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
J. Andrew West, individual owner, Box 044, Prescott, Arizona							
	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)	None				
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. Answered heretofore

12. Ore or Mineral Reserves:

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

Deposit of red 1000 feet wide mile long

(*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.

(Name of company)

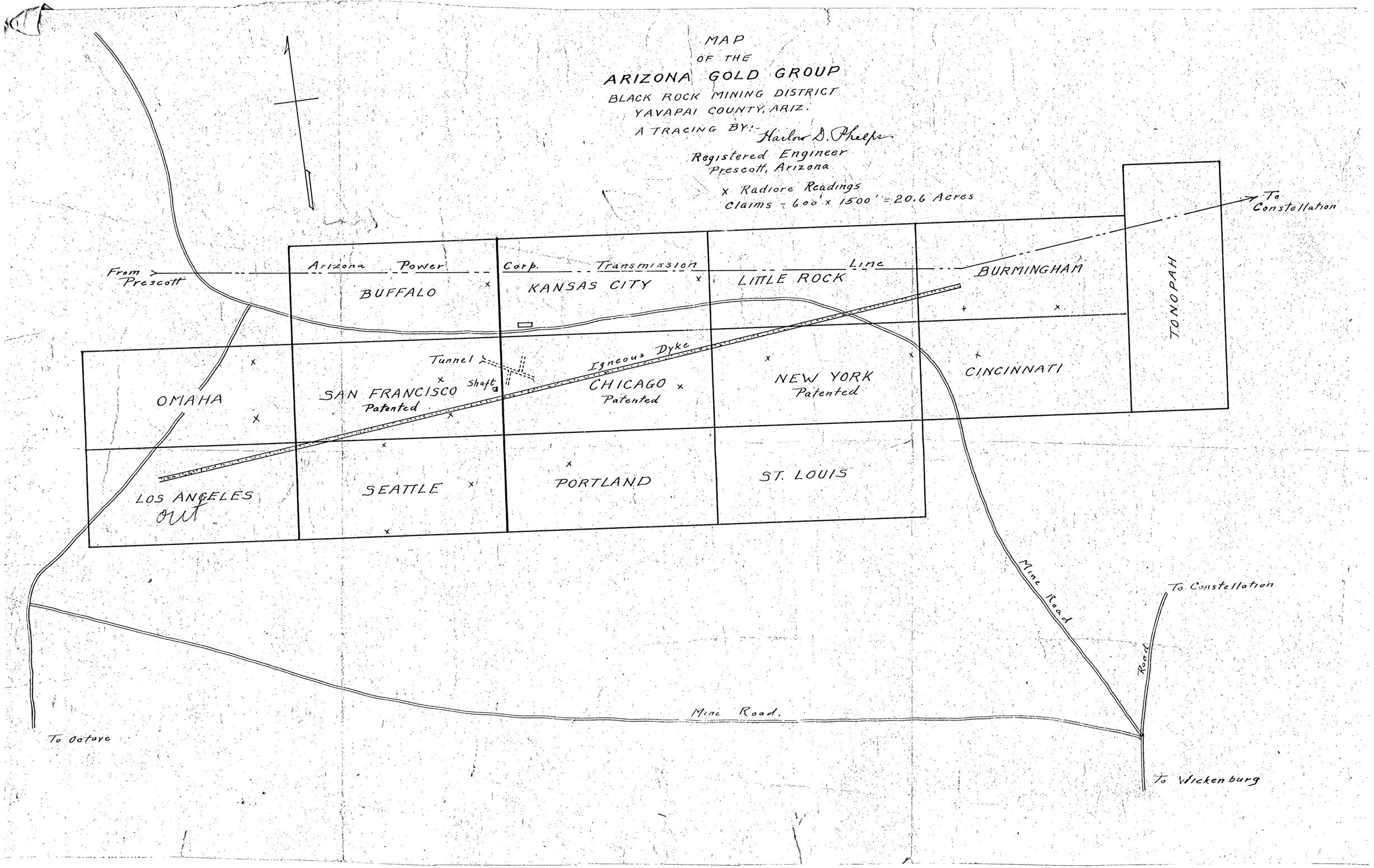
By
(Signature of authorized official)

(Date)

(Title)

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

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


MAP
OF THE
ARIZONA GOLD GROUP
BLACK ROCK MINING DISTRICT
YAVAPAI COUNTY, ARIZ.
A TRACING BY:- Harlow D. Phelps
Registered Engineer
Prescott, Arizona
x Radiore Readings
Claims - 600' x 1500' = 20.6 Acres
From Prescott
Arizona Power Corp. Transmission Line
To Constellation
BUFFALO
KANSAS CITY
LITTLE ROCK
BURMINGHAM
TONOPAH
OMAHA
Tunnel
Shaft
Igneous Dyke
SAN FRANCISCO
Patented
CHICAGO
Patented
NEW YORK
Patented
CINCINNATI
LOS ANGELES
out
SEATTLE
PORTLAND
ST. LOUIS
Mine Road
To Constellation
Road
Mine Road.
To Oatare
To Wickenburg