DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA ~~DMA~~ Docket No. 2518

DO NOT DETACH THIS SLIP

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

This document has been recorded as

EXPLORATION PROJECT

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

Routing Slip One copy to USBM and USGS. One copy was retained by Region II.

To:	Code 500, Rm. 2614	Date	5-7-52
To:	Op. Com.	Date	5-16-52
To:	Op Com	Date	9-25-52
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Docket

FILE COPY
SURNAME:

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

500
Keating
Miller
Lemmon
Johnson
Miller

AUG 25 1952

Mr. J. W. Miller
Thompson Falls
Montana

Re: Docket DMEA-2518 (Lead-Zinc)
Bonanza Mine

Dear Mr. Miller:

The Government has made a careful study of the data submitted in your application together with all the geological and field reports available. We have reached the conclusion that the program of work you propose is not supported by sufficient positive evidence to warrant the belief that it might be successful in the discovery of essential mineral in substantial quantities.

Further consideration has been given to the possibility of alternative work but we have been unable to reach a favorable decision regarding such a program. Under the circumstances it is necessary for us to advise you that your application for exploration assistance is denied.

We appreciate the opportunity you have given us to consider your defense exploration project and it is with regret that we have to inform you of the unfavorable decision regarding your request.

Sincerely yours,

C. O. Mittendorf (for) 8/25

Acting Administrator

AGKeating-mb
August 22, 1952
Copy to: Docket
Adm. Reading File
Operating Committee
Mr. Keller (2)
Mr. Keating
Mr. Bishop
Mr. McKnight
Region II (2)
Chron

Docket

FILE COPY
SURNAME:

500

Keating
Lemmon

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

August 22, 1952

Memorandum

To: Acting Administrator

From: Acting Chief, Base Metals Division

Subject: Recommendation for denial of application for exploration assistance. Docket No. DMEA-2518, J. W. Miller property, Sanders County, Montana (Lead-Zinc)

The above numbered application was first submitted to the Field Office, Region II and forwarded to Washington, D. C., May 5, 1952. The proposed program of work consisting of an extension of the main tunnel level by drifting 300 feet over a period of 18 months at a cost of $24,000.00. This would result in a cost of $80.00 per foot of drift. In the letter of transmittal, the Field Team commented that essential information was lacking, the data submitted inconsistant and that they believe it impossible to obtain additional data from the Applicant.

The Field Team visited the project property and reported under date of June 26, 1952, that they were able to inspect only 500 feet of the reported 1800 feet of the main tunnel level. It also developed that the property ownership was divided between Mr. Miller and the Anaconda Mining Company and it was believed that the latter would not agree to entering into a contract with the Government in this instance.

The Field Team further reported that the project was geologically typical of deposits which have never produced significant amounts of ore in that region and that a large segment of the vein structure had already been explored unsuccessfully. It was their opinion that a few more feet of prospect tunnel would have exceedingly slim chance of finding ore.

The Field Team together with the Washington Members of the USBM and USGS recommend that the application be denied to which the Base Metals Division concurs.

H. F. Keller
Acting Chief

AGKeating-mb
August 22, 1952
Copy to: Docket ✓ Mr. Keller (2) Mr. McKnight
Adm. Reading File Mr. Keating
Operating Committee Mr. Bishop

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

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H. F. Keller
Acting Chief

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

Memorandum

August 12, 1952

To: Mr. Keller

From: Mr. E. T. McKnight

Subject: Denial of application

Re: DMEA 2518
J. W. Miller
Bonanza Mine,
Sanders County,
Montana
$24,000
Lead, Copper

Property has 1,800 feet of tunnel that explores a quartz vein in the pre-Cambrian Belt series. Mineralization found to date has been meager. The property lies in a district characterized by many similar deposits, none of which have been more than small marginal producers. Applicant proposes to lengthen drift on the vein by 300 feet.

In view of the extensive past exploration that has been unsuccessful, the chances of finding ore by the proposed exploration are too poor to warrant Government participation. I agree with the field team that this proposal should be denied.

Edwin T. McKnight

Concur with this recommendation.
O.M. Bishop, U.S.B.M.

IN REPLY REFER TO:

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

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Sgn. O.M. Bishop, U.S.B.M.

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

So. 157 Howard Street
Spokane 4, Washington

July 31, 1952

Mr. Frank E. Johnson
Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Re: J. W. Miller Property
Sanders County, Montana
Docket DMEA-2158, Lead
[2518]

Dear Mr. Johnson:

Enclosed is a report on the field examination of the referenced property. The Field Team concurs in the recommendation that the referenced application for DMEA assistance be denied.

By DMEA Field Team, Region II

M. E. Volin

M. E. Volin, Acting Exec. Officer
(U. S. Bureau of Mines)

S. Warren Hobbs

S. Warren Hobbs, Acting Member
(U. S. Geological Survey)

Enclosures
cc: USBM

UNITED STATES
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DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
So. 157 Howard Street
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(U. S. Geological Survey)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
So. 157 Howard Street
Spokane 4, Washington

June 26, 1952

Memorandum

To: A. E. Weissenborn, Executive Officer, DMEA Field Team, Region II

From: R. E. Wallace, Geologist, U. S. Geological Survey
J. W. Hosterman, Geologist, U. S. Geological Survey

Subject: J. W. Miller property, Sanders County, Montana, field examination. Docket DMEA-2518, Lead.

LOCATION AND ACCESSIBILITY

The J. W. Miller property is located approximately 10 miles airline west southwest of Plains, Montana, in Sanders County, Montana. The adits are on the northwest side of, and near the head of Swamp Creek, a large stream tributary to the Clark Fork River. The property is located in sec. 31, T. 20 N., R. 27 W., shown on the U. S. Geological Survey topographic map of the St. Regis quadrangle.

The property can be reached by road from the railhead at Plains, Montana, where a bridge across the Clark Fork River gives access to roads on the south side of the river. For a distance of about 14 miles the road from Plains to the property is good gravel or dirt, and for the last two miles the road is very poor but passable to the property.

WORKINGS

The workings consist of about 1,800 feet of tunnel, but the Field Team was able to examine only about 500 feet of this because of bad air. A cabin in very poor condition is located near the portal of the main tunnel.

OWNERSHIP

Mr. Miller stated that the property ownership is divided between himself and Anaconda Copper Mining Company; he controlling three-fourths and Anaconda one-fourth of the total interest.

Reviewed by
DMEA OPERATING COMMITTEE
8-8-52
(date)

Mr. Miller does not believe that Anaconda would agree to entering into contract with the government for a DMEA loan.

GEOLOGY

Rapid reconnaissance along the road to the prospect showed evidence that the Miller property lies near the axis of a very large asymmetrical anticline, the north limb of which is composed of overturned beds aggregating 15,000 feet of strata and dipping 70° south. The workings appear to be on the southwestern flank of the anticline where beds dip about 45° southwest. The workings are in Prichard argillite of pre-Cambrian, Beltian age.

The vein is massive quartz with some siderite, and in a few places contains sulfide minerals. Galena and chalcopyrite have been reported but were not seen by the Field Team. Where seen, the vein was as much as 8 feet wide and is reported to be 40 feet wide elsewhere in the tunnel. The vein follows the hanging wall of a diorite-gabbro sill which is at least 20 feet and probably wider. The sill is typical of the many large sills that are prominent in the Belt rock of northern Idaho and western Montana.

This or a similar diorite sill almost along strike to the northwest is reported associated with the Eddy Creek mining district which lies approximately 3 miles northwest of Miller's property. A little lead-copper-silver ore has been shipped from the Eddy Creek district, but no large mine has been developed there.

A large fault, believed to be the southeastern extension of the combined Snowshoe and Hope faults which join near Thompson Falls, Montana, lies about 1½ miles southwest of the Miller property. These faults are of the order of 100 or more miles long and may represent major structural controls for ore deposits in this region.

PROPOSED EXPLORATION

Mr. Miller proposed to extend the main tunnel by about 300 feet although the amount of money planned to be expended should suffice to drive a tunnel almost twice that length.

CONCLUSION AND RECOMMENDATION

This area, which geologically is part of the Eddy Creek district, has some promise of containing economically significant deposits, but if those already found are an indication, most of the deposits probably would be marginal or sub-marginal at present metal prices. Associated

with diorite sills, throughout northern Idaho and western Montana, are numerous small mineral deposits, principally copper, but few have produced any ore. Massive quartz veins are also common in these sills but seldom carry appreciable amounts of ore minerals.

Inasmuch as the Miller property is geologically typical of deposits which have not produced significant amounts of ore in this region, and as a large segment of the vein structure has already been explored unsuccessfully, it is felt that a few hundred more feet of prospect tunnel would have an exceedingly slim chance of exposing minable ore. The situation of divided ownership would probably pose complications.

It is recommended that the application for DMEA assistance be denied.

cc: USBM, Spokane
~~USBM, Albany~~
USGS (SRO)
R. E. Wallace

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

No. 157 Howard Street
Spokane 4, Washington

June 26, 1952

Memorandum

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It is recommended that the application for DMEA assistance be denied.

cc: USBM, Spokane
~~USBM, Albany~~
USGS (SRO)
R. E. Wallace

IN REPLY REFER TO:

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

May 12, 1952

Memorandum

Re: DMEA-2518
J. W. Miller Property
Sanders County, Montana
$24,000
Lead-silver

To: Mr. D. E. Moulds

From: E. L. Newcomb

Subject: Review of application

The field team has retained one copy of the application to facilitate an examination of the property.

The application lacks essential data which will probably be obtained at the time the property is examined. We are returning the attached application forms to your office. Further consideration of the applicant's proposal will be made after we receive the field team report.

E. L. Newcomb
E. L. Newcomb
Geologist

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

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Geologist

DMEA-2518

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

[illegible]

[illegible]

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 5 1952

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

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

Not To Be Filled in by Applicant

Docket No. DMEA-2518
Metal or Mineral
Date Received 5-5-52
Amount $
Participation (Government %)

[illegible]
Dragon Hills, Montana

Name and address of applicant

Date [illegible]

If you have already filed MF-100, give date filed ....., type of assistance requested .....,

DMA Docket Number (if available) .....

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*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. Sec. 2- Tp 20 N Rge 27E

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application. [illegible]

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

   NOTE: (1) 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 (*c*) 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.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract. (Names of claims) Bonanza, White elephant, Little Saloon Black Bear, Bull of the Woods.

2. (*a*) What metals or minerals do you expect to find? Silver [illegible]

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned. [illegible]

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 5 1952

16—64067-2

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project. Drive shaft on present tunnel. Total cost of project $12,000

   (*b*) State the time required to start the project and to complete it. 300' Drifting 5x7' 18 Months.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition. Respect cabin, roads and repairs $150.00

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item. None

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented 203-210 Ft Air Compressor - $ 299.00 per month

   (*b*) Purchased Drilling equipment, chisels $10.00, 2000 Ft - 3" air pipe, 200' 1" hose, 200' air hose, [illegible]

   (*c*) Furnished by you None

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each. No [illegible] - Miners

   Compressor

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project? $12,000

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)? Yes

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

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 J. W. Mielby
(Signature of authorized official)

March 27, 1952
(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—64067-2

Form MF-100
(May 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. DMEA-2518

Date received 5-5-52

J. W. Miller

Thompson Falls, Montana

Name and address of applicant

Date March 17, 1952

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) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? None
   (*b*) What are the byproducts, if any? None. No production
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. No shafts
   (*b*) Linear feet of drifts and crosscuts. } 1500 feet prospect tunnel & 500 ft diamond drilling in
   (*c*) Linear feet of tunnels or adits. } 3 different places off the main drift.
   (*d*) Linear feet of other mine openings (explain briefly). None

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. good drainage thru ditch
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 16 miles from Plains, Mont SW'ly
   (*b*) Mining district. Unorganized
   (*c*) Township, Section, Range. Sec 31, Twp 20, Rge 27
   (*d*) County, State. Sanders, Montana
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. Not in operation
   (*b*) Are you operating this property as:
   - [x] Owner.
   - [ ] Lessee.
   - [ ] Contractor.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 5 1952

5. Number of years in production No production
   If not in production or operation, estimated date when production will begin When a sufficient strike warrants
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. Applicant worked on this property for the last 30 years, experience lumberman, logger and banking.
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. (See attached)
   (*b*) State briefly the known history and production of adjoining and neighboring properties. (See attached
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations. Assays from $20.00 to $40.00 of outcroppings. Unable to locate reports made by mining engineers.

16—63792-2

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)
Individually owned							
by J. W. Miller,							
Plains, Montana.							
	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	None	None	None	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. Not producing

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. Co[illegible] ore - mostly lead and silver w[illegible] an assay value of [illegible] on surface showings.

7. History:

(a) Applicant has expended approximately $40,000 in hand mining operations, drifting on lead and silver vein. Suspended operations on account of winter season last Fall.

(b) Adjoining properties have numberous cuts and openings showing a limited amount of high grade silver lead ore in the same area.

Geology: Pyrite, quartzite formati ns as well as shale, apparently more or less the same as the ~~rest~~ Coeur d'Alene Region

(b) If deposit is other than [redacted]:

(1) Submit assay [redacted]ans and/or sections showing location and [redacted]e of proved (measured) and probable (indicated) ore or mineral reserve. None

(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: None

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)	None				
Indicated (probable)	None				

(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. Mountain road, very good - logging road within 1½ miles of property - 16 miles from shipping point

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year. Running water available all year around, amply for all mining purposes from Creek Creek runa all year, plenty of water.

15. Power:

State amount of power used, rate per hour, and source thereof. None

~~xNxxxxxxx~~ none yet

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period. None Last year Contracted 500 ft Diamond drilling.

17. Equipment and Facilities: Prospective cabin, needs roof repairs. No machinery

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation. None All work has been done by hand.

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 J. W. Miller
(Signature of authorized official)

March 17, 1952
(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

500
FILE COPY
SURNAME:

Moulds
Lemmon
Hedges
Johnson

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

MAY 16 1952

Mr. J. W. Miller
Thompson Falls
Montana

Re: Docket No. DMEA 2518
Exploration Loan

Dear Mr. Miller:

Your application for Government assistance, Docket No. DMEA2518, has been reviewed by the Base Metals Division of the Defense Minerals Exploration Administration, and has been referred to Mr. A. E. Weissenborn, Executive Officer, Region II, DMEA Field Team, South 157 Howard Street, Spokane 4, Washington for an examination of your property as soon as practicable.

The Region office will contact you at their earliest opportunity in regard to your project.

Sincerely yours,

D. E. Moulds

J.N. 5-16-52

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

DEMoulds/hmj
5-14-52
CC to: Adm. Reading File
Docket File Copy
Region II
Mr. Moulds

500

FILE COPY
SURNAME:

Moulds
Lyons
McClure

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

MAY 16 1952

Mr. A. E. Weissenborn
Executive Officer, Region II
DMEA Field Team
South 157 Howard Street
Spokane 8, Washington

Re: Docket No. DMEA 2518
J. W. Miller - Lead

Dear Mr. Weissenborn:

With reference to your letter of transmittal on the subject docket in which essential information is lacking and data submitted is inconsistent; we are advising Mr. Miller that a field examination will be made by your office as soon as practicable.

Sincerely yours,

(signed) FRANK E. JOHNSON

Chairman, Operating Committee
Defense Minerals Exploration
Administration

J.N. 5-16-52

APPROVED:

J. H. Hedges

Member, Bureau of Mines

D. M. Lemmon

Member, Geological Survey

DEMoulds/hmj
5-14-52
CC to: Adm. Reading File
Docket File Copy
Operating Committee
Mr. Bishop
Mr. McKnight
Mr. Moulds

Subject: DMEA-2518
Re: Exploration Loan
Bonanza, White Elephant, etc.
May 7, 1952

Mr. J. W. Miller
Thompson Falls
Montana

My dear Mr. Miller:

This will acknowledge receipt of your application dated March 17, 1952 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2518 and referred to the Base Metals Division.

Kindly refer to DMEA-2518 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Administrative Officer

7862

DMEA-2518

OFFICE OF THE ADMINISTRATOR

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

So. 157 Howard Street
Spokane 4, Washington

April 30, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 5 1952

Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Dear Sir:

Enclosed are three copies of Forms MF-100 and MF-103 submitted by Mr. J. W. Miller, Thompson Falls, Montana.

The application is being forwarded although essential information is lacking and data submitted is inconsistent. For example, work to be done consists of 300 feet of drifting over a period of 18 months at a cost of $24,000 or $80/ft. We are of the opinion that it will be impossible to obtain additional data from the applicant; therefore, we are submitting the application as is, and will schedule an examination of the property as soon as practicable to supply additional information.

Sincerely yours,

Thor H. Kiilsgaard

Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures.

cc: USBM

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

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

Not To Be Filled in by Applicant

Docket No. DMEA-2518
Metal or Mineral
Date Received 5-5-52
Amount $
Participation (Government %)

J. W. Miller
Thompson Falls, Montana

Name and address of applicant

Date March 17, 1952

If you have already filed MF-100, give date filed ....., type of assistance requested .....,

DMA Docket Number (if available) .....

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 5 1952

1. (*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.

Sec. 31- Twp 20 N Rge 27E

(*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application. Five unpatented claims on west fork of Swamp Creek, 16 miles sw'ly from Plains, Mont. Sec 31, Twp 20 N. Range 27 West.

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

Names of claims shown in County Records. Both areas same.

NOTE: (1) 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 (*c*) 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.

(2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract. (Names of claims) Bonanza, White elephant, Little Salena Black Bear, Bull of the Woods.

2. (*a*) What metals or minerals do you expect to find? Silver and lead

(*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

Well defined vein on surfact along dyrite dyke, quartsite formations.

16—64067-2

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project. Drive ahead on present tunnel. Total cost of project $24,000 300' Drifting 5x7

   (*b*) State the time required to start the project and to complete it. 18 Months.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition. Prospect cabin, needs roof repairs $150.00

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

   None

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented 105-210 Ft Air Compressor - $ 233.00 per month

   (*b*) Purchased Drilling equipment, drifter $600.00 , 2000 Ft - 2" air pipe, 200' 1" hose, 125' air hose, Tram Car

   (*c*) Furnished by you None

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) Miners supervisors by numbers and positions, with the maximum wages or salaries to be paid to each. Two men - Compressor

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project? $12,000

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO-5)? Yes

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

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 F. W. Spillers (Signature of authorized official)

March 17, 1952 (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—64067-2

Form MF-100
(May 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. DMEA-2518

Date received 5-5-52

J. W. Miller

Thompson Falls, Montana

Name and address of applicant

Date March 17, 1952

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) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? None
   (*b*) What are the byproducts, if any? None No production
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. No shafting
   (*b*) Linear feet of drifts and crosscuts. } 1800 feet prospect tunnel & 500 ft diamond drilling in
   (*c*) Linear feet of tunnels or adits. } 3 different places off the main drift.
   (*d*) Linear feet of other mine openings (explain briefly). None
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. (Good drainage thru ditch
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 16 miles from Plains, MontSW'ly
   (*b*) Mining district. Unorganized
   (*c*) Township, Section, Range. Sec 31, Twp 20, Rge 27
   (*d*) County, State. Sanders, Montana
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. Not in operation
   (*b*) Are you operating this property as:
   ☒ Owner.
   ☐ Lessee.
   ☐ Contractor.
5. Number of years in production No production
   If not in production or operation, estimated date when production will begin When a sufficient strike warrants
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. Applicant worked on this property for the last 30 years, experience lumberman, logger and banking.
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. (See attached)
   (*b*) State briefly the known history and production of adjoining and neighboring properties. (See attached
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations. Assays from $26.00 to $40.00 of outcroppings. Unable to locate reports made by mining engineers.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 5 1952

16—63792-2

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)
Individually owned by							
J. W. Miller,							
Plains, Mont.							
	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	None	None	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. Not producing

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. Compl[illegible] ore - mostly lead and silver w[illegible] an assay value of $25 to $40 on surface showings.

16—63792-1

7. History:

(a) Applicant has expended approximately [illegible],000 in hand mining operations, drifting on lead and silver vein. Suspended operations on account of winter season last Fall.

(b) Adjoining properties have numerous cuts and openings showing a limited amount of high grade silver lead ore in the same area.

Geology: Dyrite, quartsite formations as well as shale, apparently more or less the same as the ~~Red Ash~~ Coeur d'Alene Region

(*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. None

(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: None

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)	None				
Indicated (probable)	None				

(*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. Mountain road, very good - logging road within 1½ mile of property - 16 miles from shipping point

14. Water Supply: Running water available all year around, amply for all mining purposes

State source and quantity of water available for operations and whether sufficient for all seasons of year. from Creek Creek runs all year plenty of water,

15. Power:

State amount of power used, rate per hour, and source thereof. None

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period. None

17. Equipment and Facilities: Last year Contracted 500 ft Diamond drilling, Prospective cabin, needs roof repairs. No machinery

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation. None. All work has been done by hand.

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 J. W. Millay
(Signature of authorized official)

March 17, 1952
(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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
E. 157 HOWARD ST.
Spokane 8, Wash.

OFFICIAL BUSINESS

SPOKANE, WASH. APR 30 1952 7 PM

2

Chairman, Operating Committee

Defense Minerals Exploration Administration

Department of the Interior

Washington 25, D. C.

DMEA-2518

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

[illegible] Grant Street
[illegible], Washington

April 30, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 5 1952

Chairman, Operating Committee
Defense Minerals Administration Administration
Department of the Interior
Washington 25, D. C.

Dear Sir:

[illegible] enclosed two copies of [illegible] submitted by Mr. J. [illegible], [illegible], [illegible].

[illegible] additional information is needed before a meaningful [illegible] can be submitted to the Committee. For example, work to be done consists of 300 feet of drift [illegible] price of the contract at most [illegible] or [illegible]/ft. [illegible] the solution but it will be [illegible] additional [illegible] the applicant [illegible], so are submitting the application as is, and will schedule an examination of the property as soon as [illegible] to supply additional information.

Sincerely yours,

[illegible]
[illegible]
Executive Officer,
[illegible]

Enclosures.

cc:

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

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

Not To Be Filled in by Applicant

Docket No. DMEA-2518
Metal or Mineral
Date Received 5-5-52
Amount $
Participation (Government %)

J. W. Miller
Thompson Falls, Montana

Name and address of applicant

Date March 7, 1952

If you have already filed MF-100, give date filed ....., type of assistance requested .....,

DMA Docket Number (if available) .....

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*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. Sec. 31- Twp 20 N Rge 27E

(*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application. Five unpatented claims on west fork of Swan Creek, 40 miles south Kalispell, Mont. Sec 31, Twp 20 N. Range 27 West.

(*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. Names of claims shown in County Records. Both areas same.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 5 1952

NOTE: (1) 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 (*c*) 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.

(2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract. (Names of claims) Bonanza, White elephant, Little Salena Black Bear, Bull of the Woods.

2. (*a*) What metals or minerals do you expect to find? Silver and lead

(*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

Well defined vein on surface along dyke type, quartzite formations.

16—64067-2

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project. Drive ahead on present tunnel. Total cost of project $24,000

   (*b*) State the time required to start the project and to complete it. 300' Drifting 5x7' 18 Months.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition. Prospect cabin, needs roof repairs $150.00

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

   None

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented 105-210 Ft Air Co pressor - $ 233.00 per month

   (*b*) Purchased Drilling equipment, drifter $600.00, 2000 Ft - 2" air pipe, 200' 1" hose, 125' air hose, iron cart

   (*c*) Furnished by you None

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each. No men - Miners

   Compressor

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project? $12,000

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)? Yes

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

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 J. W. Smiller (Signature of authorized official)

March 17, 1952 (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—64067-2

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1926.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2518

Date received 5-5-52

E. W. Miller

Thompson Falls, Montana

Name and address of applicant

Date March 17, 1952

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) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? none
   (*b*) What are the byproducts, if any? none
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts. none
   (*b*) Linear feet of drifts and crosscuts. } 1800 feet prospect tunnel & 500 ft diamond drilling in
   (*c*) Linear feet of tunnels or adits. } 3 different places off the main drift.
   (*d*) Linear feet of other mine openings (explain briefly). none

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity good drainage thru ditch
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 16 miles from Plains, Mont. Unorganized
   (*b*) Mining district.
   (*c*) Township, Section, Range. Sec 31, Twp 20, Rge 27
   (*d*) County, State. Sanders, Montana
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. not in operation
   (*b*) Are you operating this property as:
   - ☒ Owner.
   - ☐ Lessee.
   - ☐ Contractor.

   DEPARTMENT OF THE INTERIOR
   Defense Minerals Administration
   RECEIVED
   MAY 5 1952
5. Number of years in production ---------- No production
   If not in production or operation, estimated date when production will begin ---------- when a sufficient strike warrants
6. Experience of operators:
   Describe the applicant's (*a*) business experience generally, (*b*) the applicant's experience with this property, (*c*) the persons or persons who manage them, projects logger and banking.
7. History:
   (*a*) Give a statement, as complete as possible, of the exploration, development, operation, and production of property, with reasons for suspension of operation. (See attached)
   (*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 any examinations or recommended exploration and development and metallurgical investigations. Unable to locate reports made by mining engineers.

16—63792-2

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)
Individually owned by							
J. W. Miller,							
Plains, Montana.							
	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	none	none	none	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. Not producing

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. Complex ore - mostly lead and silver with an assay value of $25 [illegible] on surface showings.

16—63792-1

7. History:

(a) Applicant has expended approximately $40,000 in hand mining operations, drifting on lead and silver vein. Suspended operations on account of winter season last Fall.

(b) Adjoining properties have numberous cuts and openings showing a limited amount of high grade silver lead ore in the same area.

(b) If deposit is other than placer: Geology: Pyrite, quartzite formati ns as well as shale, apparently more or less the same as the [illegible] Coeur d'Alene Region

(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) None 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 None

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)	None				
Indicated (probable)	None				

(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. Mountain road, very good. Logging road within 1½ mile of property - 16 miles from shipping point

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year. Running water available all year around, ample for all mining purposes from creek Creek runs all year, plenty of water,

15. Power:

State amount of power used, rate per hour, and source thereof. none yet. None

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period. Last year, contracted 500 ft diamond drilling.

17. Equipment and Facilities None

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. Prospective cabin, needs roof repairs. No machinery None all work has been done by hand.

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.

March 17, 1952

(Name of company)

By J. W. Milligan

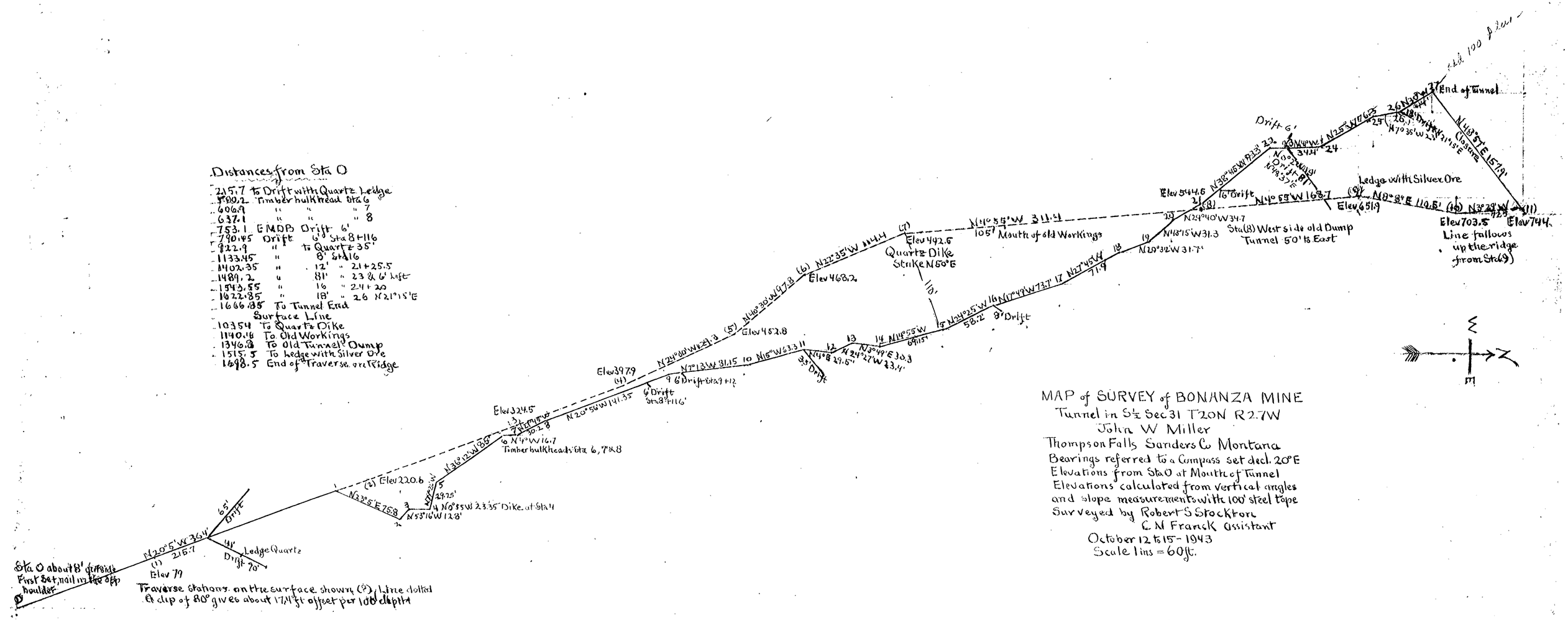
(Signature of authorized official)

(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.

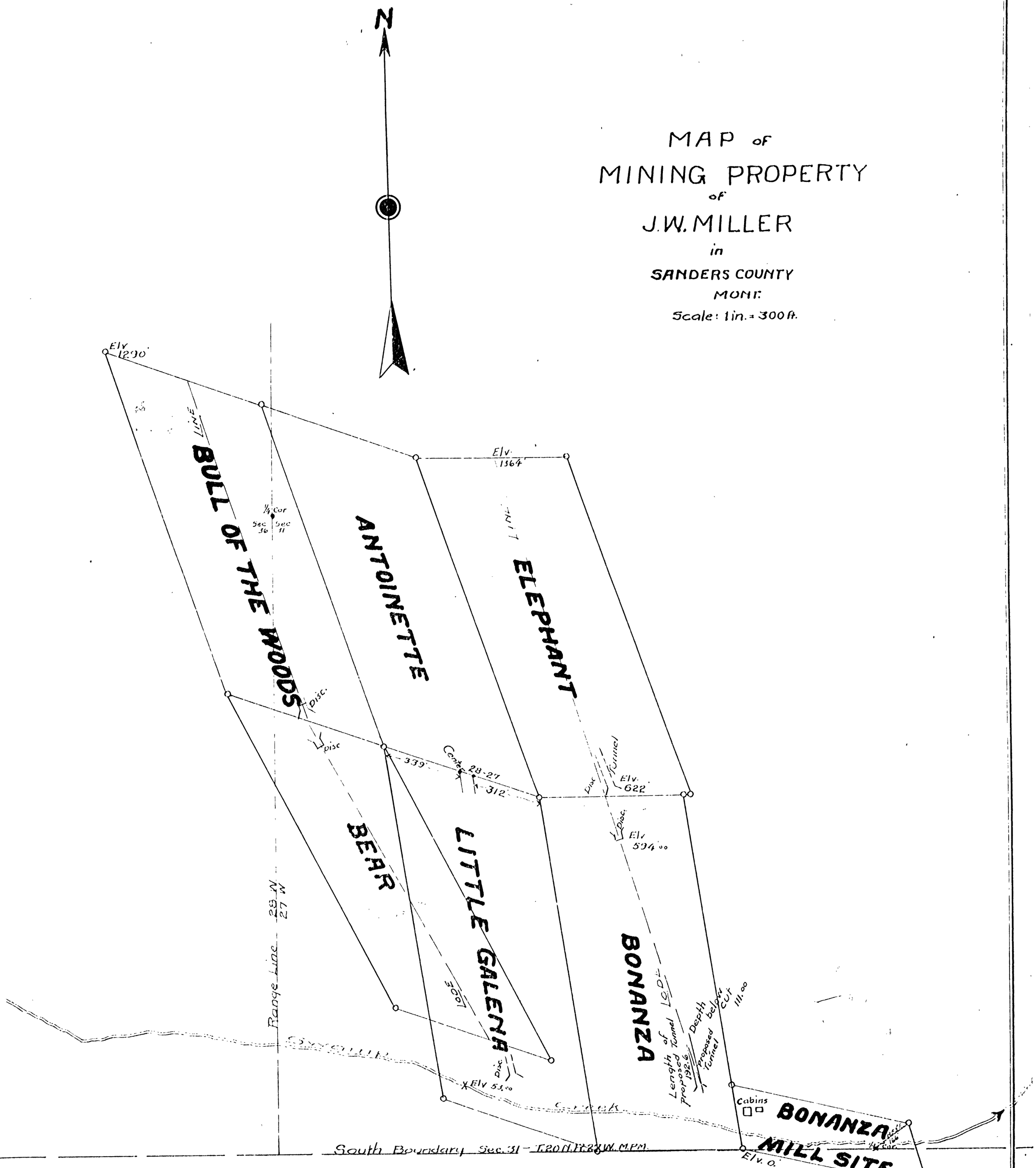
U. S. GOVERNMENT PRINTING OFFICE 16—63792-1



MAP of SURVEY of BONANZA MINE
Tunnel in S½ Sec 31 T20N R27W
John W Miller
Thompson Falls Sanders Co Montana
Bearings referred to a Compass set decl. 20°E
Elevations from Sta O at Mouth of Tunnel
Elevations calculated from vertical angles and slope measurements with 100' steel tape
Surveyed by Robert S Stockton
C N Franck Assistant
October 12 to 15 - 1943
Scale 1 ins = 60 ft.

MAP of MINING PROPERTY of J.W. MILLER in SANDERS COUNTY MONT.

Scale: 1 in. = 300 ft.



Underground			Surface				
0-1	N20°5'W	36.4'	1-2	N 20°5' W	39'	Elev	2206.6'
1-2	N23°5'E	15.8'	2-3	"	172.1'	"	3245'
2-3	N53°16'W	12.8'	3-4	"	121.6'	"	39-9'
3-4	N0°55'W	23.35'	4-5	N24°38'W	129.3'	"	452.8'
4-5	N79°20'W	29.25'	5-6	N40°30'W	97.8'	"	488.2'
5-6	N36°12'W	8.5'	6-7	N25°35'W	114.9'	"	492.5'
6-7	N4°W	16.7'	7-8	N4°55'W	311.9'	"	554.5'
7-8	N22°45'W	30.2'	8-9	"	168.7'	"	651.9'
8-9	N20°34'W	19.35'	9-10	N8°8'E	110.5'	"	703.3'
9-10	N7°15'W	81.15'	10-11	N3°29'W	72.3'	"	744'
10-11	N15°W	63.3'	11-27	N38°57'E	57.9'		
11-12	N4°E	29.5'					
12-13	N29°27'W	23.4'					
13-14	N3°49'E	30.3'					
14-15	N19°15'W	68.15'					
15-16	N48°25'W	38.2'					
16-17	N17°49'W	7.7'					
17-18	N27°48'W	71.9'					
18-19	N20°52'W	31.7'					
19-20	N43°30'W	10.3'					
20-21	N29°40'W	38.7'					
21-22	N38°40'W	93.3'					
22-23	N0°2'W	19'					
23-24	N4°W	34.4'					
24-25	N25°W	76.3'					
25-26	N7°35'W	23'					
26-27	N10°W	44'					

Copy of
Survey of DONANZA MINE
S½ Sec 31, T.20N., R.27W
John W. Miller
Tompson Falls, Sanders Co. Mont.
by
Robert S. Stockton
C.N. Franck
Oct. 1943
1" = 60'

LEGEND
Quartz
Diorite

Bedrock is undifferentiated Belt sediments

Section A-A'