DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip Lead-Zinc

CONTROLLED DOCUMENT

DMEA ~~DMA~~ Docket No. 2268

DO NOT DETACH THIS SLIP

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_____

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

[redacted]

To: BASE METALS BRANCH Date 12-4-51

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DO NOT DETACH

CONTROLLED DOCUMENT

Docket

FILE COPY
SURNAME:

500

Corbett

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

SEP 5 1952

Mr. Roy Hawley
Howe
Idaho

Re: Docket No. DMEA-2268 (Lead-Zinc)
Great Western Mine
Dome Mining District
Butte County, Idaho

Dear Mr. Hawley:

Reference is made to your application for Government assistance in the exploration of your property.

The Base Metals Division of this Administration has carefully studied your application, reports and other information concerning your property and has reached the following conclusion; That, altho the lead mineralization on your property is rather persistant, the ore bodies within the dolomite are so irregular and scattered that the proposed exploration work would not discover sufficient deposits of ore to warrant the expenditure of public funds. We therefore regret to advise you that your application has been denied.

Your interest in the Defense Program is appreciated, and we wish to thank you for bringing your property to the attention of the Government.

Sincerely yours,

C. O. Mittendorf

Administrator

FXCorbett-mb
September 4, 1952
Copy to: Docket
Adm. ReadingFile
Operating Committee
Mr. Keller (2)
Mr. Corbett
Mr. Bishop
Mr. McKnight
Region I (2)

2268 - Roy Hawley- field team received in 2/18

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 8 1952

So. 157 Howard Street
Spokane 4, Washington

September 5, 1952

Mr. Roy Hawley
Howe,
Idaho

Re: Docket No. DMEA-2268
Great Western Mine

Dear Mr. Hawley:

It has been some time since Mr. Howard and I examined your property and we have often wondered how you are progressing with your mining operations, particularly in that work you were doing in the north tunnel and sublevel stope above that tunnel. You will remember that we suggested you advance the south face of the north tunnel following the structure which went into the wall at the curve in the tunnel. It was our thought that this area warranted further exploration.

We note in our map that your sublevel stope, above the north tunnel, is about 10 to 15 feet below the south tunnel meridian and about 30 feet to the north of those workings. You might make a connection without too much work.

Hoping to see you at some future date, and thanking you for the hospitality you showed us during our recent visit, I remain

Yours very truly,

Thor H. Hillsgaard
For: A. L. Weissenborn
Executive Officer, DMEA
Field Team, Region IX

cc: DMEA (2)
USBM, Spokane (1)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 8 1952

September 5, 1952

Mr. Roy Hawley
Kellogg,
Idaho

Re: Docket No. DMEA-2268
Great Western Mine

Dear Mr. Hawley:

It has been some time since Mr. Howard and I saw last your property and we have often wondered how you are progressing with your mining operations, particularly in that work you were doing in the north tunnel and sublevel stope above that tunnel. You will remember that we suggested you advance the south face of the north tunnel following the structure which went into the wall at the curve in the tunnel. It was our thought that this area warranted further exploration.

Word came to us that your sublevel stope, above the north tunnel, is about 14 to 15 feet below the south tunnel workings and about 40 feet to the north of those workings. You might make a connection without too much work.

Again we see you at some future date, and thank you for the hospitality you showed us during our recent visit, I remain

Yours very truly,

Thos. A. Mills and
For: A. A. Weissenborn
Executive Officer, D.M.A.
Field Team, Region 4

cc: DMA (2)
USBM, Spokane (1)

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

500

September 4, 1952

Memorandum

To: Administrator

From: Chief, Base Metals Division

Subject: Denial of Applicantion, Docket No. DMEA-2268

In compliance with the Field Team and Commodity Engineers regarding the merits of this proposal, this office has refused to grant exploration funds for this property.

The application was received in this office December 3, 1951, and a report by the USBM and USGS describing the property on August 22, 1952. The application is denied for the following reasons:

1. The work is not exploration, but more in the nature of development.

2. The Applicant lacks both the money and experience to do the work.

H. F. Keller

Docket

FILE COPY
SURNAME:

500

Corbett
Keller
Lemmon

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

September 4, 1952

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To: Administrator

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H. F. Keller

FXCorbett-mb
copy to: Docket
Adm. Reading File
OperatingCommittee
Mr. Keller (2)
Mr. Corbett
Mr. Bishop
Mr. McKnight

IN REPLY REFER TO:

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

August 29, 1952

Memorandum

Re: DMEA-2268
Great Western Mine
Dome Mining District
Butte County, Idaho
$12,000

To: Mr. H. F. Keller

From: E. L. Newcomb, USGS
O. M. Bishop, USBM

Subject: Concurrence with field team denial

The field team recommends that this application be denied. The applicant is not considered competent, either financially or technically, to successfully manage the type of program required to adequately explore the property.

The work proposed by the applicant would consist primarily of driving headings on the better ore occurrences. These headings would have no definite exploration objectives and would be essentially development work.

Although the property could be recommended geologically for exploration, this particular application is recommended for denial for the reasons presented by the field team.

E. L. Newcomb
E. L. Newcomb
Geologist

O. M. Bishop
O. M. Bishop
Mining Engineer

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

August 29, 1952

Memorandum

Re: DMEA-2268
Great Western Mine
Dome Mining District
Butte County, Idaho
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To: Mr. H. F. Keller

From: E. L. Newcomb, USGS
O. M. Bishop, USBM

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E. L. Newcomb
Geologist

O. M. Bishop
Mining Engineer

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

1201 North Division Street
Spokane 2, Washington
August 11, 1952

AUG 18 1952

MEMORANDUM

To: Chairman, Operating Committee, DMEA

From: Field Team, Region II

Subject: DMEA Docket No. 2268 (lead)
Great Western Mine, Butte County, Idaho

An examination memorandum by T. H. Kiilsgaard, Geologist, U. S. Geological Survey and T. E. Howard, Mining Engineer, U. S. Bureau of Mines, concerning the captioned property is forwarded herewith for consideration.

In spite of the fact that further exploration apparently is justified, the Field Team, in agreement with the examiners, recommends that assistance be denied because of the applicant's deficient financial and administrative competence.

By Field Team, Region II

Glenn C. Reed

Glenn C. Reed, for
M. E. Volin, Acting Exec. Off.

S. Warren Hobbs

S. Warren Hobbs,
Acting Member

Enclosure

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

1201 North Division Street
Spokane 2, Washington
August 11, 1952

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To: Chairman, Operating Committee, DMEA

From: Field Team, Region II

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By Field Team, Region II

Glenn C. Reed, for
M. E. Volin, Acting Exec. Off.

S. Warren Hobbs,
Acting Member

Enclosure
cc: Wash. - 3
USGS
Albany

OFFICE OF THE ADMINISTRATOR

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

1201 N. Division St.
Spokane 2, Wash.

August 1, 1952

Reviewed by
DMEA OPERATING COMMITTEE
8-22-52
(date)

MEMORANDUM

To: Field Team, DMEA, Region II

From: Thor H. Kiilsgaard, Geologist, U. S. Geological Survey, and T. E. Howard, Mining Engineer, U.S. Bureau of Mines

Subject: Field examination of the Great Western mine, Butte County, Idaho, DMEA Docket No. 2268 (lead)

INTRODUCTION

The Great Western mine was examined on June 6 and 7, 1952, by the writers in company with Mr. Roy Hawley, applicant.

RECOMMENDATION

It is recommended that the application for DMEA assistance on the subject property be denied. Although the Great Western mine workings explore a favorable ore horizon, the applicant is not considered competent, either financially or administratively, to successfully manage an exploration program of the type required to fully explore the property. Work proposed by the applicant would consist largely of driving headings on the better ore occurrences from which cobbed ore would be used to pay a part of the project costs. These headings would have no definite exploration target and would be essentially development work.

LOCATION AND ACCESSIBILITY

The Great Western mine is in Section 8, T. 7 N., R. 29 E., Boise meridian, Butte County, Idaho, about 20 miles north of Howe, Idaho, and about 40 miles by road from Arco, the nearest railhead. The first 15 miles of road to the mine is a graveled highway. The last 5 miles to the mine ascend over alluvial fans which form the southwestern flank of the Lemhi Range.

The highway north of Howe is kept open during the winter; the road from the mine to the highway could be kept open with a small amount of maintenance work. The Wilbert mine, 2 miles north of the Great Western, formerly operated throughout the year.

PROPERTY

The property consists of 6 unpatented claims, the Wyona, Elgin, Fairview, Bluebird, Edmond No. 1 and Edmond No. 2. The principal mine workings are on the Wyona and the Elgin.

Ownership of the property is equally divided between Mr. Hawley, the applicant, and the F. J. Cowan estate. John W. Jones, Blackfoot, Idaho, is administrator of the estate. At the present time Mr. Hawley holds the entire property under a 5-year lease.

COMPETENCE OF APPLICANT

The applicant is an elderly retired rancher whose health appears to be failing. His mining experience has been limited to a few years of surface and underground labor in the mines of the district and driving prospect headings on the Great Western property from which he has made several small ore shipments.

The applicant intends to do the proposed exploration work with the help of one other man. He stated that income from ranching interests was sufficient to enable him to supply his part of the cost of a project conducted in this manner.

GEOLOGY

The southwestern flank of the Lemhi Range is comprised of a thick series of Paleozoic sedimentary rocks which have been complexly folded and faulted. At the Great Western mine the rocks are quartzites with an interbedded sandy dolomite member, all of which are believed to be Ordovician in age. The rocks strike northwest, dip steeply to the southwest, and apparantly are overturned. These rocks are described by C. P. Ross, in a pamphlet on the Dome Mining district. 1/

1/ Ross, C. P., The Dome Mining District, Butte County, Idaho: Idaho Bureau of Mines and Geology, Pamphlet 39, 1933.

The mine workings explore a sandy dolomite member about 60 feet thick interbedded between a lower and a thick upper quartzite member. The dolomite is a light gray to buff, fine-grained rock which weathers to a slight rusty color. The rock is not extensively brecciated although it contains a number of bedding faults and faults cutting the bedding at slight angles.

The ore bodies within the dolomite are not confined to any particular vein but occur as irregular replacement bodies scattered

throughout the dolomite and as fissure fillings. The deposits, elongated parallel to the strike of the bedding, appear to be controlled to some extent by bedding faults. The ore consists of fine-grained galena which locally forms high-grade bodies and irregular pods. Elsewhere galena is disseminated throughout the dolomite. Wall rock adjacent to the ore bodies is usually silicified and often difficult to distinguish from the overlying quartzite. All ore examined was oxidized with the more disseminated galena being converted to anglesite and cerussite. The higher-grade and more massive aggregates, however, contain remnants of galena encrusted with oxidation products. Although the ore is valued chiefly for lead, it also contains a small amount of silver. Zinc appears in some assays but in such small amount that it is not reported on smelter returns. It is probable that the zinc content will increase in the sulfide zine. No samples were taken by the examiners. However, samples from the south workings taken by Landwehr (see accompanying map) have low weighted lead values and for the most part indicate ore below a mining grade.

The ore deposits are not continuous within the mine workings, although they appear to be persistent throughout the dolomite. At the Great Western mine, ore has been found in various workings throughout a strike length of over 1600 feet. The same dolomite member contains the productive ore deposits of the Wilbert mine, located about 2 miles north of the Great Western. The relatively unexplored dolomitic member between these two properties is reported to contain lead mineralization on the outcrop in several places.

The persistance of lead mineralization in the dolomitic member, and the occurrence of highly productive ore bodies, as at the Wilbert mine, is strong supporting evidence favoring further exploration of the dolomite. Such exploration should be sufficiently extensive to thoroughly test the more attractive targets and should be based on a more detailed geologic study than the area has heretofore received.

Thor H. Kiilsgaard, Geologist
(Geological Survey)

T. E. Howard, Mining Engineer
(Bureau of Mines)

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

1201 N. Division St.
Spokane 2, Wash.

August 1, 1952

MEMORANDUM

To: Field Team, DMEA, Region II

From: Thor H. Kiilsgaard, Geologist, U. S. Geological Survey, and T. E. Howard, Mining Engineer, U.S. Bureau of Mines

Subject: Field examination of the Great Western mine, Butte County, Idaho, DMEA Docket No. 2268 (lead)

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RECOMMENDATION

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Thor H. Kiilsgaard, Geologist
(Geological Survey)

T. E. Howard, Mining Engineer
(Bureau of Mines)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

So. 157 Howard Street
Spokane 4, Washington

February 19, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 25 1952

Mr. Frank E. Johnson,
Chairman, Operating Committee
DMEA
Department of Interior
Washington 25, D. C.

Dear Mr. Johnson:

This will acknowledge receipt of a copy of Form MF-100 and Form MF-103, Great Western Mine, Butte County, Idaho, Docket DMEA 2268.

We will conduct a field examination of this property at the earliest possible date which, because of winter conditions, will probably not be until April or May.

Sincerely yours,

Thor H. Kiilsgaard

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

c.c. USBM - Spokane

Docket

FILE COPY 500

SURNAME:

Moulds

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

FEB 14 1952

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

Re: Docket No. DMEA 2268
Roy Hawley, Lead-Zinc

Dear Mr. Weissenborn:

We are transmitting, herewith, a copy of each of the following: MF-100, MF-103, map of Great Western Mine, Review of Application by USGS and USBM and memorandum of review by D. E. Moulds.

The reviews indicate that several points should be investigated in addition to the geological and engineering feasibility. In event that the project appears favorable and can be definitely delineated, the applicant can be advised to furnish the material and information required for property rights and financial ability to participate.

Your letter of transmittal of November 28, 1951, indicates you have retained one copy of MF-103. Four copies were received, however, and we are returning one set for your use in event all copies were sent as indicated.

Sincerely yours,

2/14

(signed) FRANK E. JOHNSON
JHB

Chairman, Operating Committee
Defense Minerals Exploration
Administration

Enclosures-5

APPROVED:

J. H. Hedges (JHB)
Member, Bureau of Mines

L. P. Thayer (JHB)
Member, Geological Survey

DEMoulds/hmj
2-12-52

CC to: Adm. R. File
Docket File Copy
Mr. Bishop
Mr. McKnight
Mr. Moulds
Region II

Docket

FILE COPY
500 SURNAME:

Moulds

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

FEB 14 1952

Mr. Roy Hawley
Howe
Idaho

Re: Docket No. DMEA-2268
Great Western Mines

Dear Mr. Hawley:

Your application for assistance in exploring the Great Western Mines in Butte County, Idaho, 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 8, Idaho, for a field examination.

The Region Office will contact you at the earliest opportunity in regard to your project.

Sincerely yours,

D. E. Moulds mch cc 2/14

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

DEMoulds/hmj
2-14-52
cc to: Adm. R. File
Docket File Copy
Mr. Bishop
Mr. McKnight
Mr. Moulds
Region II

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

February 12, 1952

Memorandum

To: Acting Administrator

From: D. E. Moulds

Subject: Review of application Docket No. DMEA 2268, Roy Hawley, Howe, Idaho.

Application:

Filed Form MF-100 and MF-103 with Region II on November 15, 1951. Transmitted to this office by Region on November 28, 1951. Region states one copy of MF-103 retained but four sets were transmitted.

Property:

Not clearly defined. Stated to be NW¼ Sec. 17, T. 7 N., R. 29 E., B.M. Owner of most of property and leases the remainder. Secured property through trade with Johnson. Title and legal description of property owned will have to be clarified as well as leased property.

Development:

Mine being operated with sizeable amount of mill ore (400 tons). The weighted average of six lots shipped to A.S. & R. and combined metal during 1938 - 1948 totaling 238.36 tons was 1.95 oz. silver, 24.52 % lead and 1.96% zinc. 185 feet of shaft, 100 feet of raise and 1400 feet of drift have been driven.

Facilities include 2 buildings, 2 trucks, D-4 bulldozer, compressor hoist and skip, drills, pipe rail and small tools.

Project:

Program consists of driving approximately 400 feet of tunnel and 200 feet of shaft at an estimated cost of $12,000. Applicant states work on project is in progress and can be completed in 1 to 2 years, dependent on available labor. Applicant also states he may be prepared to invest $1,000 on the project.

Recommendation and material required:

The project is too indefinite to evaluate without field referral. The following points should be examined, in addition to geological and engineering feasibility.

(1) Clarification of title and legal description of property owned and leased accompanied by copy of lease and subordination required.

(2) A definite proposal of shaft sinking and drifting shown on a map and broken down as to labor, supervision, supplies, equipment and engineering costs.

(3) Is the project designed for exploration or is it primarily development for production?

(4) Clarification of applicant's ability to participate financially in the project.

(5) Definite time required to perform the work.

DE Moulds

D. E. Moulds

Docket 500
FILE COPY
SURNAME:

Moulds

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

February 12, 1952

Memorandum

To: Acting Administrator

From: D. E. Moulds

Subject: Review of application Docket No. DMEA 2268, Roy Hawley, Howe, Idaho.

Application:

Filed Form MF-100 and MF-103 with Region II on November 15, 1951. Transmitted to this office by Region on November 28, 1951. Region states one copy of MF-103 retained but four sets were transmitted.

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D. E. Moulds mch

D. E. Moulds

DEMoulds/hmj
2-12-52
cc to: Adm. R. File
Docket File Copy
Mr. Moulds
Region II

Howe, Idaho, Feb. 11, 1952.

Mr. Robert E. Adams, Acting Administrative Officer,
Defense Minerals Exploration Administration,
Washington, D. C.

Dear Sir:

On November 15, 1951, I made application for an Exploration Loan to operate my Great Western Claims in Butte county, Idaho.

In acknowledging my application you wrote that it had been assigned Docket No. DMEA-2268 and referred to Base Metals Branch.

It occurred to me that perhaps the application has been pigeon-holed and entirely overlooked. Naturally I am anxious to begin exploration of the property shortly and I should like to be informed whether or not the application is going to be considered. Three months have passed since the matter was first submitted to your department.

It seems to me also, that if exploration loans are available to small mines which have every prospect of becoming big mines, which I feel certain is the case of the Great Western Group, then the property should be examined by competent geologists from your department and some action be forthcoming.

Will you please advise what action, if any, is contemplated?

Yours very truly,

Roy Hawley

Roy Hawley, Owner,
Great Western Group of Claims,
Butte County Mineral Zone,
Howe, Idaho

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 1 5 1952

Subject: DMEA-2268
Re: Exploration Loan
Great Western Mines

Mr. Roy Hawley
Howe, Idaho

My dear Mr. Hawley:

This will acknowledge receipt of your application dated November 15, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2268 and referred to the Base Metals Branch.

Kindly refer to DMEA-2268 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams, Acting
Administrative Officer
Defense Minerals Exploration
Administration

7862

DMEA 2268

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

So. 157 Howard Street
Spokane 4, Washington

November 28, 1951

MEMORANDUM

To: Operating Committee

From: Field Team, Region II

Subject: Transmittal of Exploration Application

Enclosed are 4 copies of MF-100, 3 copies of MF-103, a map, and a set of smelter returns for an exploration application by Mr. Roy Hawley, Howe, Idaho.

A copy of MF-103 is being retained in this office in order to expedite any field examination.

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
DEC 3 10 40 AM '51

Verne C. Fryklund

Verne C. Fryklund, Jr.
For: A.E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures
cc: U.S.B.M.

Rec'd - four copies MF-103.

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. DMEA-2268

Date received 12-3-51

Roy Hawley

Howe Iadho

Name and address of applicant

Date November 15, 1951

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C. 10 40 AM '51

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

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

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

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: 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)
Roy Hemley	Owner & lessor	none	/	not incorporated		1000.	1000.00
No other partners.							
	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 No 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.~~)	Silver & lead ore	40 tons	none	none	30 tons monthly
2. Quantity of product processed (specify unit of measure and type of process)	none	40 tons smelted	---	---	none so far
3. Quantity and grade of product sold or shipped (specify units of measure)	none as above				

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

12. Ore or Mineral Reserves:

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

REPLIES TO WHITE ANSWER ON FORM MF #100

GENERAL TECHNICAL DATA FOR USE UNDER THE
EXPENSE PROMOTION ACT OF 1950

1- Materials produced:
(a) Lead and silver.
(b) No by products.

2- Mines etc. Great Western Mines
(a) Linear feet of shaft, 185 feet
(b) Linearfeet of drifts & cross cuts, 1400 feet
(c) Included in above.
(d) Linear feet of other mine openings, 100 feet of raise.
The mine is dry.

3-
(a) Forty miles southeast of Arco Idaho.
(b) Dome mining district.
(c) Section 17 Township 7 N. Range 29 E. B.M.
(d) Butte County, Idaho

4-
(a) Property is now being operated by myself, Roy Howley.
(b) Part owner and part lessee.

5-
Has been in operation about 71 years.

6-
I have managed and operated this mine about forty years.

7- History
(a) Property was first owned and operated by a man named Blackburn. He took some $80,000.00 in lead and silver from it. Blackburn sold the property to parties by the name of Johnson, and I secured same from Johnsons through a trade. Prior to my operation there was but about 300 feet of tunnel. Because of the low value of metal Johnsons did not operate at a profit and they sold out.
(b) The Wilbert mine joins this property on the north. This is a good and producing mine and has produced some 3 to 4 million dollars. Most of the ore from this mine was sold from 3 to 6 cents. We are within two miles of the Wilbert and on the same lode.
(c) This mine was investigated by the Bureau of Mines in 1943 & 1944. Investigators were Mr. Stoley and Anderson., who recommended a mining access road which is now constructed to the mine and is accessable yearlong. I do not have the paprrs confirming this but they are available at the Bureau of Mines at Moscow, Idaho.

8- See form MF-100

9- Capitol Stock Issues-
Not incorporated.

10- Production - See form MF-100

11- Yes. Mine has not been operation for the last year or two but I expect to keep the mine in operation as fast as two laborers and myself can work it. We estimate we will produce at least 30 tons monthly for two months. After that time we hope to step it up a great deal.

12- Description of ore.
We have three or four extensive crpppings. There is a sizeable amount of mill ore on the property that is developed. I believe the shipping ore will run from 12 to 40%. It carries 6 to 40 ounces of silver per ton. Engineers who have looked over the property believe that what is needed is more depth before the main ore bodies are reached.
(b) We have now 400 tons of mill ore in sight. The vein is about 15 ft. wide and 12 feet deep.

13- Access Roads-
Good graveled road all the way to the mine from Arco, the shipping point. (Half of thes road is oiled.) Arco is forty miles distant. We have two cabins on the property. Supplies are purchased at Howe, 20 miles distant and at Arco.

14- Water supply.
There is a small spring at the cabins.

15- Power.
There is no electric power at the mine. The gasoline motor beeng used on the compressor is 45 horse power.

16- Labor-
Besides myself, I have two miners who do their own mucking.

17- Equipment and facilities-
There is one log building 12 x 16, and one lumber building, two room with up stairs, about 18 x 26 feet.
Other equipment at the mine is 1 truck 1½ ton, 1 pickup 3/4 ton, compressor, 5 machines, 800 feet 2" pipe, 2000 feet of rail, ample steel bits and hand tools, a hoist and a skip, a D-4 Caterpillar Tractor with dozer. Also 2 mining cars.

18- Other conditions.
Our main obstacle has been lack of finance to place property in operation.

By Roy Hardy

11/15-37
Date

Owner
Title

(*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 Roy Hawley
(Signature of authorized official)

11/15—57
(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
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-2268
Metal or Mineral
Date Received 12-3-51
Amount $
Participation (Government %)

Name and address of applicant

Roy Hawley

Howe Idaho

Date November 15, 1951

If you have already filed MF-100, give date filed 11-15-51, type of assistance requested finance,

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.

   (*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.

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

   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.

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

   (*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.

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.

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

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.

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.

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   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.

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?

    (*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)?

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 T Roy Hanly (Signature of authorized official)
11/15-57 (Date)	Owner (Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—64067-2

APPLICATION FOR AID

TO ACCOMPANY FORM MF-103

1-
(a) Sec. 17, Township 7 N, Range 29 E.B.M.
(b) I am owner of most of the property. Copy of the lease for that portion I do not own will follow.
(c) NW$\frac{1}{4}$, Sec 17, T. 7 N., R 29 E.B.M.

2-
(a) Led & silver.
(b) Map enclosed. Has been a producing and paying mine.

3-
(a) Driving approximately 400 feet of tunnel and 200 feet of shaft. Estimated cost $12,000.00.
(b) Work on the project is in progress at present and can be completed from one to two years dependent upon the available labor.

4-
Map is being submitted with this report.

5-
Equipment on hand is : One log building 12 x 16; one lumber building 18 x 26, two room with up stairs; 1 one and one half ton International Truck 1941; 1 pickup 3/4 ton, Chevrolet, 1950; 1 compressor; 5 machines 800 foot 2" pipe; 2000 feet rail; ample steel bits and hand tools; 1 hoist; 1 skip; and a Caterpillar D-4 Tractor with dozer; 2 mine cars. I would like to acquire or purchase a mucking machine.
Condition of the equipment I have on hand is good. Part of it is new.

6-
None other than the mucking machine mentioned above for the present. Estimated cost of the machine estimated to be 3100.00.

7-
(a) No rented property.
(b) None purchased until I am financed.
(c) Furnished by me. I have no way to figure operation or depreciation costs of the equipment listed above, But all of it will be used in the mine to bring same into maximum production with equipment on hand,

8-
I anticipate hiring two miners who are to be paid $1.25 per hour and subsistence.
My own time will have a value of $1.50 per hour. Subsistence for the

three miners I value $200.00 per month.

9-

Rental of and operation of pickup truck	$100.00	per	month
Rental and operation of 1½ ton truck	$ 50.00	"	#
Powder caps & fuse	$200.00	"	"
Accounting & assaying	$ 50.00	"	"
Miscellaneous costs	$100.00	"	"

10-
(a) I may be prepared to invest $1000.00 in the project
(b) Yes.

11-
This will depend upon the findings of the Government engineers.

Roy Hanley

11/15-51
Date

Owner
Title

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-2268
Metal or Mineral
Date Received 12-3-51
Amount $
Participation (Government %)

Name and address of applicant

Roy Hawley

Howe Idaho

Date November 15, 1951

If you have already filed MF-100, give date filed 11-15-51, type of assistance requested finance,

DMA Docket Number (if available)

INSTRUCTIONS

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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.

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   (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.

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   (*a*) Rented

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   (*c*) Furnished by you

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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.

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(Name of company)

By J. Roy Hanly
(Signature of authorized official)

11/15—57
(Date)

Owner
(Title)

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U. S. GOVERNMENT PRINTING OFFICE 16—64067-2

APPLICATION FOR AID

TO ACCOMPANY FORM MP-10D

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8-
I anticipate hiring two miners who are to be paid $1.25 per hour and subsistence.
My own time will have a value of $1.50 per hour. Subsistence for the

three miners I value $200.00 per month.

9-

Rental of and operation of pickup truck	$100.00	per month
Rental and operation of 1½ ton truck	$ 50.00	" "
Powder caps & fuse	$200.00	" "
Accounting & assaying	$ 50.00	" "
Miscellaneous costs	$100.00	" "

10-

(a) I may be prepared to invest $1000.00 in the project

(b) Yes.

11-

This will depend upon the findings of the Government engineers.

Roy Hanly

11/15—57

Date

Owner

Title

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. DMEA-2268

Date received 12-3-51

Roy Lowley
Lone Tadho

Name and address of applicant

Date November 18, 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

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

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

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: 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)
Roy Hawley	Owner & leasor	none	/	not incorporated		2000.	$1000.00
No other partners.							
	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 No 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.) ~~xxxxxxxxxxxxxxxxxxxxxxxx~~	Silver & led ore	40 tons	none	none	30 tons monthly
2. Quantity of product processed (specify unit of measure and type of process)	same	40 tons smelted	---	---	none to date
3. Quantity and grade of product sold or shipped (specify units of measure)	same as above				

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

12. Ore or Mineral Reserves:

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

REPLIES TOQUE TIONS ASKED OM FORM MF *100

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

1- Materials produced:
(a) Led and silver.
(b) No by products.

2- Names etc. Great Western Mines
(a) Linear feet of shaft,185 feet
(b) Linearfeet of drifts & cross cuts, 1400 feet
(c) Included in above.
(d) Linear feet of other mine openings, 100 feet of raise.
The mine is dry.

3-
(a) Forty miles southeast of Arco Idaho.
(b)Dome mining district.
(c) Section 17 Township 7 N. Range 29 E. B&M.
(d) Butte County, Idaho

4-
(a) Property is now being operated by myself, Roy Hawley.
(b) Part owner and part leasee.

5-
Has been in operation about 71 years.

6-
I have managed and operated this mine about forty years.

7- History
(a) Property was first owned and operated by a man named Blackburn. He took some $80,000.00 in led and silver from it. Blackburn sold the property to parties by the name of Johnson,and I secured same from Johnsons through a trade. Prior to my operation there was but about 300 feet of tunnel. Because of the low value of metal Johnsons did not operate at a profit and they sold out.
(b) The Wilbert mine joins this property on the north. This is a good and producing mine and has produced some 3 to 4 million dollars. Most of the ore from this mine was sold from 3 to 6 cents. We are within two miles of the Wilbert and on the same lode.
(c) This mine was investigated by the Bureau of Mines in 1943 & 1944. Investigators were Mr. Staley and Anderson., who recommended a mining access road which is now constructed to the mine and is accessable yearlong. I do not have the paprrs confirming this but they are available at the Bureau of Mines at Moscow, Idaho.

8- See form MF-100

9- Capitol Stock Issues-
Not incorporated.

10- Production - See form MF-100

11- Yes. Mine has not been operation for the last year or two but I expect to keep the mine in operation as fast as two laborers and myself can work it. We estimate we will produce at least 30 tons monthly for two months. After that time we hope to step it up a great deal.

12- Description of ore.
We have three or four extensive crpppings. There is a sizeable amount of mill ore on the property that is developed. I believe the shipping ore will run from 12 to 40%. It carries 6 to 40 ounces of silver per ton. Engineers who have looked over the property believe that what is needed is more depth before the main ore bodies are reached.
(b) We have now 400 tons of mill ore in sight. The vein is about 15 ft. wide and 12 feet deep.

13- Access Roads-
Good graveled road all the way to the mine from Arco, the shipping point. (Half of this road is oiled.) Arco is forty miles distant. We have two cabins on the property. Supplies are purchased at Howe , 20 miles distant and at Arco.

14- Water supply.
There is a small spring at the cabins.

15- Power.
There is no electric power at the mine. The gasoline motor being used on the compressor is 45 horse power.

16- Labor-
Besides myself, I have two miners who do their own mucking.

17- Equipment and facilities-
There is one log building 12 x 16, and one lumber building, two room with up stairs, about 18 x 26 feet.
Other equipment at the mine is 1 truck 1½ ton, 1 pickup 3/4 ton, compressor, 5 machines, 800 feet 2" pipe, 2000 feet of rail, ample steel bits and hand tools, a hoist and a skip, a D-4 Caterpillar Tractor with dozer. Also 2 mining cars.

18- Other conditions.
Our main obstiele has been lack of finance to place property in operation.

By Ron Hanly

11/13 — 51
Date

owner
Title

(*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 Roy Hanly
(Signature of authorized official)

11/15 — 57
(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

Voucher No. 5218 *Mo.* May, 1[illegible]

For

Lot 2, Great Western 5%, 13.87

AMERICAN SMELTING AND REFINING COMPANY
MURRAY PLANT

The endorsement by the payee of the detached check constitutes a receipt in full for the items listed hereon.

DETACH AND RETAIN BEFORE DEPOSITING CHECK

Voucher No. 8165 *Mo.* Aug.1947

For

Lot 1, Roy Hawley 554.16

AMERICAN SMELTING AND REFINING COMPANY
MURRAY, UTAH

The endorsement by the payee of the detached check constitutes a receipt in full for the items listed hereon.

DETACH AND RETAIN BEFORE DEPOSITING CHECK

Voucher No. 1010 *Mo.* Jan., 1944

For hauling - Great Western Mg. Co.

Lot 3, 61780 lbs. @ 4.00	123.56
fed.tax on frt.3%,	3.71
MP 64353	
Lot 3, 5%,	5.23
	132.50

AMERICAN SMELTING AND REFINING COMPANY
MURRAY PLANT

The endorsement by the payee of the detached check constitutes a receipt in full for the items listed hereon.

DETACH AND RETAIN BEFORE DEPOSITING CHECK

DETACH AND RETAIN THIS STATEMENT
UNITED STATES SMELTING REFINING AND MINING COMPANY
INTER-MOUNTAIN DEPARTMENT
IF VOUCHER IS INCORRECT RETURN TO P. O. BOX 1980.
SALT LAKE CITY, UTAH, AND EXPLAIN ERROR

For net proceeds of Lot No. 1 - Provisional, per settlement sheet - 397.93

VOUCHER
NUMBER
69220

PLEASE DETACH

ITEMS	AMOUNT		ITEM	AMOUNT	
Royalty: Lot 1026/1	49	85			
			December Account		

COMBINED METALS REDUCTION COMPANY

Salt Lake City, Utah January 8, 1948

Pay Combined Metals Reduction Company

Ore Floyd Sherry C.M.R. Co. Lot No. 1026 Shippers Lot No. 1/no Int'l Lot. Class Shipping

Received Int'l. 12-20-47 E & M J Quotations: Gold Silver Lead 15.00 Zinc

Assays	Ozs. Au.	Ozs. Ag.	% Pb.	% Zn.	% Fe.	% Insol.	% CaO	% S	% Cu	% Mn	%
C.M.R. Co.	.01	1.39	15.6	1.7	2.8	34.8	13.2	1.3	.15	1.2	
Shipper	.007	1.09	15.5	1.7	2.6	35.3	12.3	1.8	Tr.	Tr.	
[illegible]	.005									.65	
Check	.007										
Settlement	.007	1.24	15.55	1.7	2.7	35.05	12.75	1.55	.075	.65	

Values Per Ton					Treatment		
Gold		@			Base	5	809
Silver	95%	@ .90	1	060	Chg Pb under 20% @ .08		476
Lead-1.5	90%	@ .13375	33	825	Cr Fe @ .08		214
Zinc		@			Chg Insol @ .10	3	503
Copper	90%	@ .13375		181	Cr CaO @ .05		638
					Cr Mn @ .08		032
Gross Metal Payment			35	066			
Less Treatment			8	884			
Net Value Per Ton			26	182	Net Treatment	8	884

Initial	Car Number	Weight
RGW	71520	59,640

29.131 Dry Tons @ 26.182 Per Ton 762 71

Freight @ .72	21	47
Tax @ 3%		64
Umpire	4	00
Haulage Lindburg Truck Line @ 3.75	111	83
Tax @ 3%	3	35
Freight, Arco Idaho to Bauer @ 3.64 + 10%	119	39
Tax @ 3%	3	58
Royalty: Roy Hawley @ 10%	49	85
		498 45

Total Wet Weight	59,640	Total Deductions	314 11
2.31 % Moisture			
Dry Weight	58,262	Net Proceeds	448 60

Approved by AG Checked by LJJ OLN

3M 10-46 22881 © Dittoforms

Sept. 17, 1947

Mr. Roy Hawley -

You sent the enclosed Settlement Paper along with your Silver Affidavit and as this is for your files, are returning same to you, herewith.

Yours very truly,
American Smelt.& Refg.Co.

FORM NO. 247 10M 5-47

AMERICAN SMELTING AND REFINING COMPANY

MURRAY PLANT

SALT LAKE CITY, UTAH. Aug. 22, 1947

BOUGHT OF Roy Hawley, Howe, Idaho MINE LOT NO. 1

RECEIVED 8-13-47 SAMPLED BY MP CLASS crude SHIPPING POINT Arco, Idaho

QUOTATIONS GOLD SILVER .90 LEAD 15.00 less 1.717 tax on bullion .0255 COPPER

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	Sb	CaO
A. S. & R. CO.	-	1.1	13.2	-	42.8	1.6	.4	.2	2.7	-	11.4
C&N	.01	1.15	13.8								
UMPIRE B&D			13.2								
SETTLEMENT ASSAY	.005	1.125	13.2		42.8	1.6	.4	.2	2.7		11.4

CAR INITIAL	NUMBER	WEIGHT
UCR	21922	

VALUES PER TON		
GOLD	@	
SILVER, 95% min. .5	@ .90	.56
LEAD, LESS 1.5, 90%	@ 2.6515	27.92
COPPER, LESS	@	
		28.48
LESS TOTAL DEDUCTIONS		8.50 max.

DEDUCTIONS PER TON	
BASE	
LABOR ADJUSTMENT	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
DEBIT	
IRON % @	
TOTAL DEDUCTIONS	

WEIGHT OF LOT

WEIGHT OF SACKS

WET WEIGHT 110200

LESS MOISTURE 3.5 % 3856

DRY WEIGHT 106344 (Roy. net:- @ $ 19.98 PER TON $1062.38

(John W. Jones, 5% 29.17

(Roy Hawley, bal. 554.16

FREIGHT ADVANCED	@3.30	181.83
ADVANCES fed. tax on frt. 3%,		5.45
SAMPLING hauling @ 5.00		275.50
UMPIRE fed. tax on frt. 3%,		8.27
ASSAYING		4.00
umpire		4.00 479.05

NET PROCEEDS $ 583.33

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

MEL AUG.

FORM S. L. 247 3M 10-41

copy

AMERICAN SMELTING AND REFINING COMPANY

MURRAY PLANT

SALT LAKE CITY, UTAH. Dec. 10, 1937

BOUGHT OF F. J. Cowen, Blackfoot, Idaho MINE Great Western Mines LOT NO. 1

(final settlement)

RECEIVED 12-3-37 SAMPLED BY MP CLASS crude SHIPPING POINT Arco, Idaho

QUOTATIONS GOLD SILVER .77 LEAD 5.00 less 1.50 COPPER

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	Sb	CaO
A. S. & R. CO.	-	2.4	31.0	-	26.6	2.3	2.0	.7	1.7	.3	9.3
Cowan		2.55	31.3		25.8	2.0	1.7		2.8		
UMPIRE											
SETTLEMENT ASSAY		2.475	31.15		26.2	2.15	1.85	.7	2.25	.3	9.3

CAR INITIAL	NUMBER	WEIGHT
UP	20301	

VALUES PER TON			
GOLD	@		
SILVER, 95% Min..5	@	.775	1.52
LEAD, LESS 1.5,90%	@	.70	18.68
COPPER, LESS	@		
			20.20
LESS TOTAL DEDUCTIONS			4.64

DEDUCTIONS PER TON	
BASE	2.15
Under 30% lead	.04
Labor 12/1/37	.44
LABOR ADJUSTMENT	
INSOLUBLE % @	2.62
ZINC % @	
SULPHUR % @	
DEBIT	5.25
CaO % @	.47
IRON % @	.14
TOTAL DEDUCTIONS	4.64

WEIGHT OF LOT

WEIGHT OF SACKS

WET WEIGHT 90740

LESS MOISTURE 2.1 % 1906

DRY WEIGHT 88834 @ $ 15.56 PER TON $ 691.13

FREIGHT ADVANCED @ 2.50 113.43

ADVANCES

SAMPLING

UMPIRE

ASSAYING 5.00 118.43

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

MEM DEC.

NET PROCEEDS $ 572.70

FORM S. L. 247 8M 10-41

copy

AMERICAN SMELTING AND REFINING COMPANY

MURRAY PLANT

SALT LAKE CITY, UTAH. Dec. 22, 1937

BOUGHT OF F.J.Cowen,Blackfoot, Idaho MINE Great Western (final settlement) LOT NO. 2

RECEIVED 12-17-37 SAMPLED BY MP CLASS crude SHIPPING POINT Arco, Idaho

QUOTATIONS GOLD SILVER .77 LEAD 4.875 less 1.50 COPPER

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
A. S. & R. CO.	-	2.0	28.0	-	27.1	1.7	2.0		2.7	10.0
Cowan		2.2	28.4		26.6	2.0	1.1		3.3	
UMPIRE										
SETTLEMENT ASSAY		2.1	28.2		26.85	1.85	1.55		3.0	10.0

CAR INITIAL	NUMBER	WEIGHT
UP	63695	

VALUES PER TON		
GOLD @		
SILVER, 95% Min. .5 @ .77		1.23
LEAD, LESS 1.5, 90% @ .675		16.22
COPPER, LESS @		
		17.45
LESS TOTAL DEDUCTIONS		4.93

DEDUCTIONS PER TON	
BASE	2.15
Under 30% lead	.33
labor 12/1/37	.44
LABOR ADJUSTMENT	
INSOLUBLE % @	2.69
ZINC % @	
SULPHUR % @	
DEBIT	5.61
CaO %	.50
IRON % @	.18
TOTAL DEDUCTIONS	4.93

WEIGHT OF LOT

WEIGHT OF SACKS

WET WEIGHT 82800

LESS MOISTURE 5.8 % 4802

DRY WEIGHT 77998 @ $ 12.52 PER TON $ 488.27

FREIGHT ADVANCED @ 2.25 93.15

ADVANCES

SAMPLING

UMPIRE

ASSAYING 5.00 98.15

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

MEM DEC.

NET PROCEEDS $ 390.12

FORM S. L. 247 8M 10-41

copy

AMERICAN SMELTING AND REFINING COMPANY

MURRAY PLANT

SALT LAKE CITY, UTAH. June 14, 1938

BOUGHT OF F.J.Cowen, Howe, Idaho MINE Great Western Mines (final settlement) LOT NO. 4

RECEIVED 6-6-38 SAMPLED BY MP CLASS crude SHIPPING POINT Arco, Idaho

QUOTATIONS GOLD SILVER .64125 LEAD 4.00 less 1.5625 COPPER

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
A. S. & R. CO.	-	3.0	34.6	-	34.7	2.6	1.6		2.4	4.8
Cowan		2.95	35.7		34.2	2.5	1.6		3.8	
UMPIRE Bardwell			35.3							
SETTLEMENT ASSAY		2.975	35.3		34.45	2.55	1.6		3.1	4.8

CAR INITIAL	NUMBER	WEIGHT
UP	63446	

VALUES PER TON			
GOLD	@		
SILVER, 95% Min..5	@	.64125	1.59
LEAD, LESS 1.5,90%	@	.4875	14.83
COPPER, LESS	@		
			16.42

DEDUCTIONS PER TON	
BASE	2.15
over 30% lead	.38
	1.77
~~LABOR ADJUSTMENT~~ Insol.	3.45
Labor 1-1-38 ~~INSOLUBLES~~ % x @	.28
ZINC % @	
SULPHUR % @	
DEBIT	5.50
IRON % @	.19
TOTAL DEDUCTIONS	5.31

WEIGHT OF LOT

WEIGHT OF SACKS

WET WEIGHT 46340

LESS MOISTURE .2 % 92

LESS TOTAL DEDUCTIONS 5.31

DRY WEIGHT 46248 @ $ 11.11 PER TON $ 256.91

FREIGHT ADVANCED @ 2.48 57.46

ADVANCES

SAMPLING

UMPIRE

ASSAYING 5.00 62.46

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

MEM JUNE

NET PROCEEDS $ 194.45

FORM S. L. 247 8M 10-41

copy

AMERICAN SMELTING AND REFINING COMPANY

MURRAY PLANT

SALT LAKE CITY, UTAH. Jan. 5,1938

BOUGHT OF F.J.Cowen,Blackfoot, Idaho MINE Great Western Mines (final settlement) LOT NO. 3

RECEIVED 12-31-38 SAMPLED BY MP CLASS crude SHIPPING POINT Arco,Idaho

QUOTATIONS GOLD SILVER .77 LEAD 4.75 less 1.50 COPPER

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
A. S. & R. CO.	-	2.1	25.7	-	32.3	2.2	1.7		2.6	8.5
Cowan		2.25	26.0		31.6	1.9	1.7		4.0	
UMPIRE										
SETTLEMENT ASSAY		2.175	25.85		31.95	2.05	1.7		3.3	8.5

CAR INITIAL	NUMBER	WEIGHT
RG	40798	

VALUES PER TON		
GOLD	@	
SILVER, 95% Min. .5	@ .77	1.29
LEAD, LESS 1.5.90%	@ .65	14.24
COPPER, LESS	@	
		15.53
LESS TOTAL DEDUCTIONS		5.73

DEDUCTIONS PER TON	
BASE	2.15
Under 30% lead	.57
Labor 12/1/37	.44
LABOR ADJUSTMENT	
INSOLUBLE % @	3.20
ZINC % @	
SULPHUR % @	
DEBIT	6.36
CaO % @	.43
IRON % @	.20
TOTAL DEDUCTIONS	5.73

WEIGHT OF LOT

WEIGHT OF SACKS

WET WEIGHT 102980

LESS MOISTURE 3.8 % 3914

DRY WEIGHT 99066 @ $ 9.80 PER TON $ 485.42

FREIGHT ADVANCED @ 2.00 102.98

ADVANCES

SAMPLING

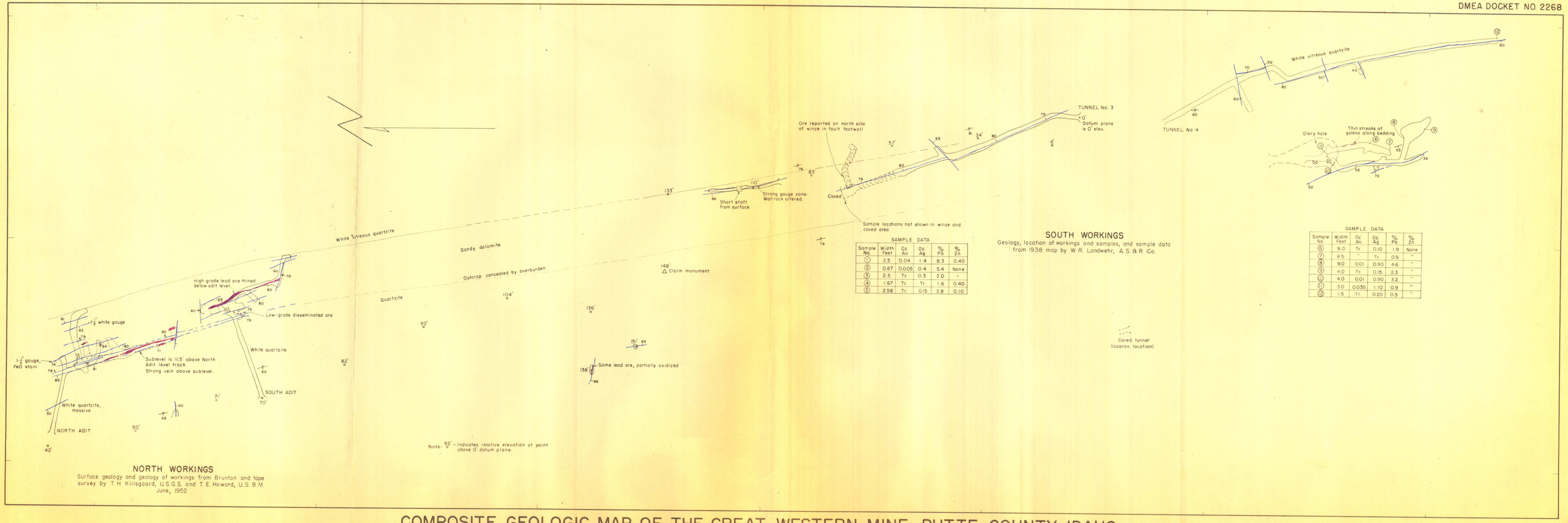
UMPIRE

ASSAYING 5.00 107.98

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

MEM OFN.

NET PROCEEDS $ 377.44



NORTH WORKINGS

Surface geology and geology of workings from Brunton and tape survey by T. H. Kiilsgaard, U.S.G.S. and T. E. Howard, U.S.B.M. June, 1952

SAMPLE DATA

Sample No.	Width Feet	Oz. Au	Oz. Ag	% Pb	% Zn
1	2.5	0.04	1.4	8.3	0.40
2	0.67	0.005	0.4	5.4	None
3	2.5	Tr.	0.3	2.0	"
4	1.67	Tr.	Tr.	1.6	0.40
5	2.58	Tr.	0.15	2.8	0.10

SOUTH WORKINGS

Geology, location of workings and samples, and sample data from 1938 map by W. R. Landwehr, A.S.B.R. Co.

SAMPLE DATA

Sample No.	Width Feet	Oz. Au	Oz. Ag	% Pb	% Zn
6	9.0	Tr.	0.10	1.9	None
7	6.5	"	Tr.	0.9	"
8	9.0	0.01	0.90	4.6	"
9	4.0	Tr.	0.15	2.3	"
10	4.0	0.01	0.90	3.2	"
11	3.0	0.035	1.10	0.9	"
12	1.5	Tr.	0.20	0.5	"

COMPOSITE GEOLOGIC MAP OF THE GREAT WESTERN MINE, BUTTE COUNTY, IDAHO

0 50 100 150 200 250 300 Feet