DMA Form 1

DEFENSE MINERALS ADMINISTRATION
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DMEA ~~DMA~~ Docket No. 2484

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

AUG 4 1952

Mr. Al C. Fisher
1520 Phillips Avenue
Butte, Montana

Re: Docket No. DMEA-2484 (Lead-Zinc)
Rising Sun Mine
Grove Creek District
Silver Bow County, Montana

Dear Mr. Fisher:

With reference to your application of March 19, 1952, for aid for an exploration project on your property, the Government has made a detailed study of the data submitted by you, and also all geological and field data presently available.

As a result of this study, it is the opinion of this office, that altho the area you propose to explore shows some mineralization, the discovery of a significant deposit of lead-zinc ore is too improbable to justify the expenditure of public funds. Therefore, we regret to advise you that your application has been denied.

We appreciate the opportunity to review your project in the interest of strategic mineral reserves and ultimate production, and regret that it does not fulfill the requirements for Government participation.

JWAlt/mb
July 30, 1952
cc to: Docket
Adm. Reading File
Operating Committee
Mr. Keller (2)
Mr. Alt
Mr. Bishop
Mr. McKnight
Region II
Chron

Sincerely yours,

CC

C. O. Mittendorf (fw) 8/4/52

Acting Administrator
Defense Minerals Exploration
Administration

FILE COPY
500 SURNAME:

C.W.G.
Miller
Lemmon

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

July 30, 1952

Memorandum

To: C. O. Mittendorf
Acting Administrator

From: H. F. Keller, Acting Chief
Base Metals Division

Subject: Recommendation for Denial of application for exploration project assistance, Docket No. DMEA-2484, Rising Sun Property, Silver Bow County, Montana, Al C. Fisher, 1520 Phillips Avenue, Butte, Montana.

The subject application for exploration project assistance was made for a project amounting to $15,000.00, under date of March 19, 1952. Region II transmitted this application to the Defense Minerals Exploration Administration on April 11, 1952.

The Property

The property, which consists of the Rising Sun Quartz Lode Mining Claim, Survey No. 6645, is in sections 21 and 22, T.3N., R.7W., M.P.M., Grove Creek Mining District, Silver Bow County, Montana. It is 3½ miles west of Butte, Montana. The Applicant's rights, title, and interest in the Rising Sun claim are held by a lease with option to purchase granted by H. A. McDonald Haggin, owner of the claim.

The previous work on the property consisted of test pitting, trenching and driving short crosscut adits perpendicular to the strike of the vein.

There are no facilities or equipment on the property.

Geology

The Rising Sun claim is on the fringe of the Butte district in an area of small gold-silver prospects. The vein is in quartz monzonite and follows a foot zone of shearing. Mineralization consists of 1-2 inch quartz stringers in association with iron and manganese oxides. A sample cut across this zone assayed trace of gold, 0.3 oz. of silver, no copper, no lead, and a trace of zinc. A grab sample from an adit dump, which was reported to be typical ore by the applicant,

assayed 0.01 oz. gold, 0.4 oz. silver, no copper, no lead, and 0.9% zinc. A composite sample of float and specimens of vein material from various dumps, which was considered to be high grade ore by the Applicant, assayed 0.01 oz gold, 0.7 oz. silver, 0.2% lead, 0.15% copper and 0.9% zinc.

About 550 feet north of the Rising Sun vein, a second vein outcrops on the Carrie claim. This vein is on a 10 foot zone of sheared and altered quartz monzonite. A sample cut across a 2 inch quartz stringer on the footwall assayed 0.01 oz. gold, 2.6 oz. silver, 0.10% copper, no lead, and no zinc.

The Project

The Applicant proposes to drive a 200 foot adit crosscut to intersect the Rising Sun vein. In addition, the Applicant requested funds for the installation and construction of numerous mining facilities. These facilities include installation of 3/4 mile of power line, construction of compressor house and blacksmith shop, construction of ore bin, and purchase of all mine equipment necessary for the accomplishment of the project. The cost of the proposed work, facilities, and equipment as estimated by the Applicant is $15,000.00.

Conclusions

The Field Team report states:

> "Past exploration in the immediate vicinity of the Rising Sun claim has, for the most part, proven disappointing and any ore found has been valued for its gold and silver content. Assay results from the vein, dumps and "high grade" float indicate that no work is justified at the present time".

Recommendations

We concur with the recommendations of the Field Team. It is therefore recommended that the attached letter of denial be sent to the Applicant.

H. F. Keller, Acting Chief
Base Metals Division

Attachments:

JWAlt/mb
July 30, 1952
cc to: Docket ✓
Adm. Reading File
Operating Committee
Mr. Keller (2)
Mr. Alt
Mr. Bishop
Mr. McKnight
Chron

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

July 30, 1952

Memorandum

To: C. O. Mittendorf
Acting Administrator

From: H. F. Keller, Acting Chief
Base Metals Division

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The previous work on the property consisted of test pitting, trenching and driving short crosscut adits perpendicular to the strike of the vein.

There are no facilities or equipment on the property.

Geology

The Rising Sun claim is on the fringe of the Butte district in an area of small gold-silver prospects. The vein is in quartz monzonite and follows a foot zone of shearing. Mineralization consists of 1-2 inch quartz stringers in association with iron and manganese oxides. A sample cut across this zone assayed trace of gold, 0.3 oz. of silver, no copper, no lead, and a trace of zinc. A grab sample from an adit dump, which was reported to be typical ore by the Applicant, assayed 0.01 oz. gold, 0.4 oz. silver, no copper, no lead,

and 0.9% zinc. A composite sample of float and specimens of vein material from various dumps, which was considered to be high grade ore by the Applicant, assayed 0.01 oz. gold, 0.7 oz. silver, 0.2% lead, 0.15% copper and 0.9% zinc.

About 550 feet north of the Rising Sun vein, a second vein outcrops on the Carrie claim. This vein is on a 10 foot zone of sheared and altered quartz monzonite. A sample cut across a 2 inch quartz stringer on the footwall assayed 0.01 oz. gold, 2.6 oz. silver, 0.10% copper, no lead, and no zinc.

The Project

The Applicant proposes to drive a 200 foot adit crosscut to intersect the Rising Sun vein. In addition, the Applicant requested funds for the installation and construction of numerous mining facilities. These facilities include installation of 3/4 mile of power line, construction of compressor house and blacksmith shop, construction of ore bin, and purchase of all mine equipment necessary for the accomplishment of the project. The cost of the proposed work, facilities, and equipment as estimated by the Applicant is $15,000.00.

Conclusions

The Field Team report states:

> "Past exploration in the immediate vicinity of the Rising Sun claim has, for the most part, proven disappointing and any ore found has been valued for its gold and silver content. Assay results from the vein, dumps and "high grade" float indicate that no work is justified at the present time."

Recommendations

We concur with the recommendations of the Field Team. It is therefore recommended that the attached letter of denial be sent to the Applicant.

H. F. Keller, Acting Chief
Base Metals Division

Attachments:

IN REPLY REFER TO:

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

July 28, 1952

Memorandum

Re: DMEA-2484
Rising Sun Prospect
Grove Creek District
Silver Bow County, Mont.
$15,000

To: Mr. H. F. Keller

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

Subject: Concurrence with field team's denial

The applicant requests Government assistance to explore a zinc-copper-gold-silver vein on the Rising Sun claim. The proposed work consists of driving a 200 foot crosscut adit to intersect the vein at an estimated depth of 75 feet. Previous work has involved test pitting, trenching, and driving short crosscut adits perpendicular to the strike of the vein.

A field team memorandum recommends that the application be denied. The Rising Sun claim is on the fringe of the Butte district in an area of small gold-silver prospects. The vein is in quartz monzonite and follows a 4 foot zone of shearing. Mineralization consists of 1-2 inch quartz stringers in association with iron and manganese oxides. A sample cut across this zone assayed trace of gold, 0.3 oz. of silver, no copper, no lead, and a trace of zinc. A grab sample from an adit dump, which was reported to be typical ore by the applicant, assayed 0.01 oz. gold, 0.4 oz. silver, no copper, no lead, and 0.9% zinc. A composite sample of float and specimens of vein material from various dumps, which were considered to be high grade ore by the applicant, assayed only 0.01 oz. gold, 0.7 oz. silver, 0.2% lead, 0.15% copper and 0.9% zinc.

About 550 feet north of the Rising Sun vein, a second vein outcrops on the Carrie claim. This vein is in a 10 foot zone of sheared and altered quartz monzonite. A sample cut across a 2 inch quartz stringer on the footwall assayed only 0.01 oz. gold, 0.7 oz. silver, 0.2% lead, 0.15% copper, and 0.9% zinc. These assays from the vein, dumps and float material clearly indicate that DMEA assistance cannot be justified on this property.

On the basis of the evidence submitted, we concur with the field team's recommendation that the application be denied.

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.

July 28, 1952

Memorandum

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Rising Sun Prospect
Grove Creek District
Silver Bow County, Mont.
$15,000

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On the basis of the evidence submitted, we concur with the field team's recommendation that the application be denied.

E. L. Newcomb
Geologist

O. M. Bishop
Mining Engineer

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

June 24, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 30 1952

Memorandum

To: Operating Committee, DMEA

From: DMEA Field Team, Region II

Subject: Docket DMEA-2484, Lead-Zinc, Al C. Fisher, Rising Sun Property, Silver Bow County, Montana

Enclosed is a memorandum from Quinlan and McNabb recommending denial of the Fisher application. The Field Team concurs with this recommendation.

By Field Team, Region II

A. E. Weissenborn, Exec. Officer
(U. S. Geological Survey)

M. E. Volin, Member
(U. S. Bureau of Mines)

Enclosure

cc: USBM
USGS (SRO)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 30 1952

No. 157 Howard Street
Spokane 4, Washington

June 29, 1952

MEMORANDUM

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

From: J. J. Quinlan, Geologist, U.S., and J. D. McNeto, Engineer, USBM

Subject: Field Examination, Docket No. DMEA-2404 (Lead-Zinc), Rising Sun Property, Silver Bow County, Montana, Al C. Fisher, 1520 Phillips Avenue, Butte, Montana.

RECOMMENDATION

It is recommended that the applicant be denied assistance to explore the Rising Sun claim. It does not appear that the proposed exploration will disclose lead-zinc ore of commercial grade.

APPLICANT

The applicant is Mr. Al C. Fisher, 1520 Phillips Avenue, Butte, Montana.

OWNERSHIP

The applicant's rights, title, and interest in the Rising Sun claim are held by a lease with option to purchase granted by Mr. A. McDonald Higgin, owner of the claim. A copy of the lease with option to purchase was filed with the application.

LOCATION

The Rising Sun Quartz Lode Mining Claim, survey No. 6149 is in secs. 21 and 22, T. 5 N., R. 7 W., M.P.M., Grove Creek mining district, Silver Bow County, Montana. The property is 1½ miles west of Butte, Montana, and approximately one-fourth mile south of U. S. Highway 10[illegible].

Reviewed by
DMEA OPERATING COMMITTEE

7-7-52
(date)

HISTORY AND PAST PRODUCTION

The Rising Sun property is on the fringe of the Butte mining district. The many shafts, adits, and trenches in this part of the district testify to the numerous small prospecting ventures carried on over the years. This work has, for the most part, proved disappointing. However, several small ore bodies valued for silver and gold are reported to have been mined.

Little is known of the history of the Rising Sun claim. Field examination indicates that a minor amount of gold placering has been done. The size of the dumps and the shallow backs of the inaccessible adits indicate there has been little, if any, past production from the lode deposits.

PROPOSAL

The exploration program proposed by the applicant involves driving 200 feet of adit crosscut to intersect the Rising Sun vein. The proposed adit crosscut is shown on the accompanying sketch map. In addition, the applicant requested funds for the installation and construction of numerous mining facilities. These facilities include: installation of 3/4 mile of power line, construction of compressor house and blacksmith shop, construction of ore bin, and purchase of all mine equipment necessary for the accomplishment of the project.

The applicant's proposal allows just enough work to cut the vein, with no allowance for exploration along the vein. Many of the facilities listed in the application would not be allowed under a DMEA contract. No attempt was made to devise an alternative program acceptable to the DMEA, because geologic conditions (discussed below) indicated that exploration by the DMEA was not warranted. However, the applicant expressed his willingness to make any change in the proposed program so as to make it acceptable to the DMEA.

GEOLOGY (See Sketch Map accompanying memorandum)

The Rising Sun claim, situated in the southwest portion of the Butte mining district, is in the area mapped by W. H. Weed, S. F. Emmons, and G. W. Tower. 1/

1/ Weed, W. H., Geology and Ore Deposits, Butte District, Montana, USGS, p. 74, Plate X, 1912.

The claim is underlain by quartz monzonite of the Boulder batholith. In the immediate vicinity, both small dikes and sheet-like bodies of aplite and alaskite cut the quartz monzonite.

Inaccessibility of underground workings and the age of the pits and trenches precluded a detailed study of the Rising Sun vein. However, much information was gained from the position of the workings, dump material, float, and by the cleaning out of one pit by the DMEA field examiners.

The position of the workings, pits, and trenches along the vein indicates the vein strikes N. 72° W. and dips steeply south. The strike of the vein, where exposed in the pit cleaned by the examiners, is N. 72° W. and dips 74° S. The vein consists of several 1- to 2-inch wide quartz stringers, with minor iron and manganese oxides in a 4-foot sheared and altered zone of quartz monzonite. A sample cut across this zone assayed: trace gold; 0.3 oz. silver; no copper; no lead; and trace zinc. The dump material and material from the pits indicate the other workings are on a structure similar to the one exposed in the cleaned pit. A grab sample of material from the No. 1 adit dump, reported by the applicant to represent ore, assayed: 0.01 oz. gold; 0.4 oz. silver; no copper; no lead; and 0.9 percent zinc.

During the course of the examination, a number of specimens of float and vein material from the dumps were collected by the applicant and the field examiners. The applicant considered these specimens indicative that high grade ore occurs in the vein. The specimens consisted of quartz with minor specks of pyrite, sphalerite, galena, and malachite. A composite sample of this material assayed: 0.01 oz. gold; 0.7 oz. silver; 0.2 percent lead; 0.15 percent copper; and 0.89 percent zinc.

The sketch map submitted with the application shows two veins outcropping on the Carrie claim, which is contiguous on the north with the Rising Sun claim. The applicant reports that he has the Carrie claim under lease.

One of these structures is exposed in a pit 550 feet north of the Rising Sun vein. It is difficult to determine from the applicant's map with which vein it correlates. The structure exposed consists of a 10-foot wide zone of sheared and altered quartz monzonite, striking N. 75° W. to west and dipping 60° to 75° south. On the footwall of this structure is a 2-inch wide stringer of quartz and gossan. A sample cut across the 2-inch quartz and gossan stringer assayed: 0.01 oz. gold; 2.6 oz. silver; 0.10 percent copper; no lead; and no zinc.

CONCLUSIONS

The proposal by Mr. Al C. Fisher to crosscut to the Rising Sun vein does not appear warranted under the DMEA program. Past exploration in the immediate vicinity of the Rising Sun claim has, for the most part, proven disappointing and any ore found has been valued

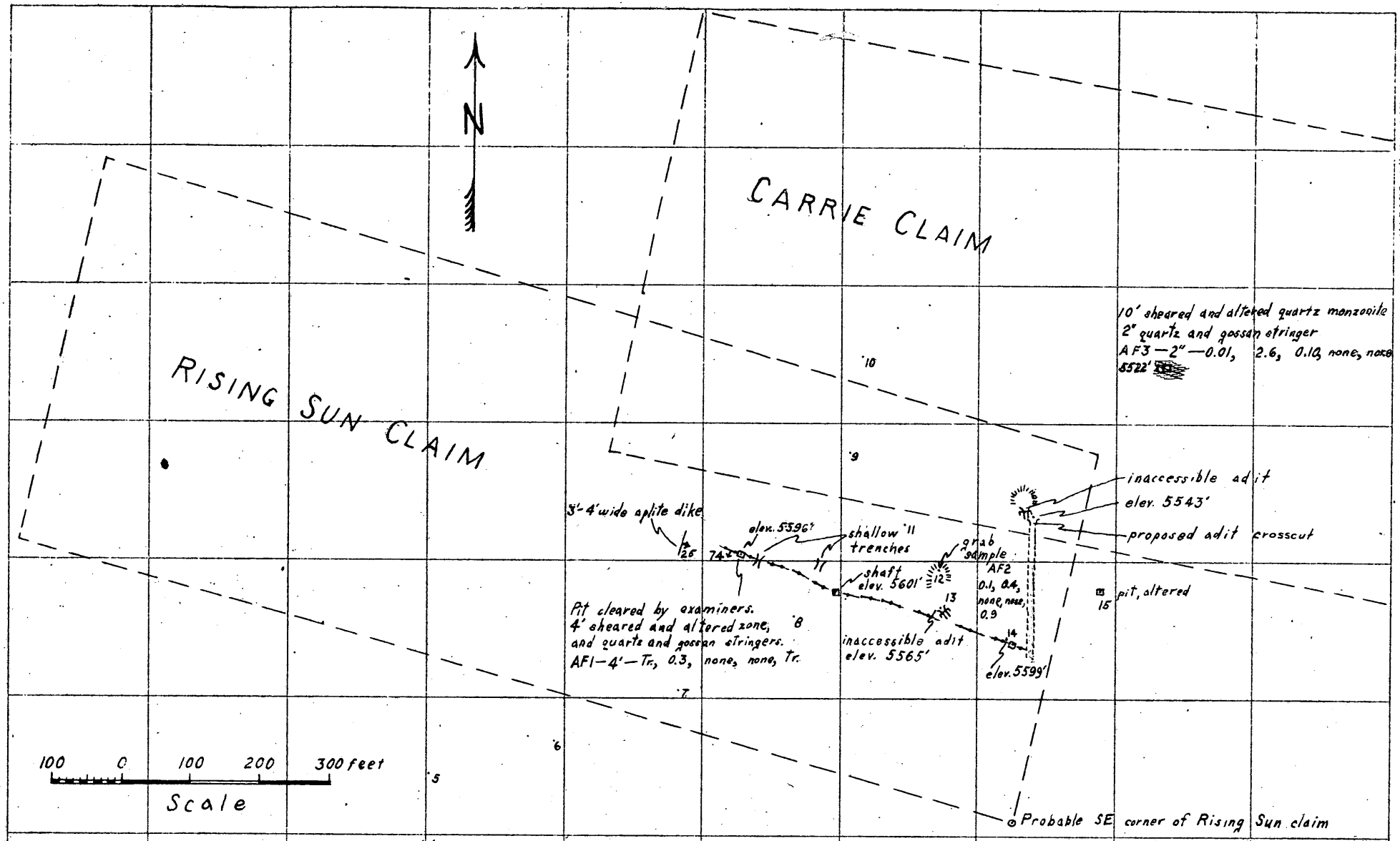
for its gold and silver content. Assay results of material obtained from the vein, dumps, and "high grade" float indicate that no work is justified at the present time.

J. J. Quinlan

Attachment

J. S. McNabb

cc: USBM, Albany
USBM, Spokane
USGS (SRO)



SKETCH MAP SHOWING GEOLOGY, WORKINGS, ASSAYS, AND PROPOSED WORKINGS

RISING SUN CLAIM

Secs. 21 and 22, T. 3 N., R. 7 W., M. P. M.

Silver Bow. County, Montana

Explanation of Assays

Sample No.	Width	Au	Ag	Cu	Pb	Zn
AF1	4'	Tr.,	0.3,	none,	none,	tr.

Workings and geology — Brunton and tape survey — JJQ & JSM, 1952
Claim outline from sketch map furnished by A. C. Fisher.
Tie to boundary is probable SE corner of claim; old post at approximate position as determined from information furnished by A. C. Fisher.

"ALBANENE" NO. 1500 M K & E CO., N.Y. REG. U.S. PAT. OFF.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 30 1952

gcl
6/16/53

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

WASHINGTON 25, D. C.

So. 157 Howard Street
Spokane 4, Washington

June 19, 1952

MEMORANDUM

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

From: J. J. Quinlan, Geologist, USGS, and J. S. McNabb, Engineer, USBM

Subject: Field Examination, Docket No. DMEA-2484 (Lead-Zinc), Rising Sun Property, Silver Bow County, Montana, Al C. Fisher, 1520 Phillips Avenue, Butte, Montana.

RECOMMENDATION

It is recommended that the applicant be denied assistance to explore the Rising Sun claim. It does not appear that the proposed exploration will disclose lead-zinc ore of commercial grade.

APPLICANT

The applicant is Mr. Al C. Fisher, 1520 Phillips Avenue, Butte, Montana.

OWNERSHIP

The applicant's rights, title, and interest in the Rising Sun claim are held by a lease with option to purchase granted by H. A. McDonald Haggin, owner of the claim. A copy of the lease with option to purchase was filed with the application.

LOCATION

The Rising Sun Quartz Lode Mining Claim, Survey No. 6645 is in secs. 21 and 22, T. 3 N., R. 7 W., M.P.M., Grove Creek mining district, Silver Bow County, Montana. The property is $3\frac{1}{2}$ miles west of Butte, Montana, and approximately one-fourth mile south of U. S. Highway 10S.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 30 1952

HISTORY AND PAST PRODUCTION

The Rising Sun property is on the fringe of the Butte mining district. The many shafts, adits, and trenches in this part of the district testify to the numerous small prospecting ventures carried on over the years. This work has, for the most part, proved disappointing. However, several small ore bodies valued for silver and gold are reported to have been mined.

Little is known of the history of the Rising Sun claim. Field examination indicates that a minor amount of gold placering has been done. The size of the dumps and the shallow backs of the inaccessible adits indicate there has been little, if any, past production from the lode deposits.

PROPOSAL

The exploration program proposed by the applicant involves driving 200 feet of adit crosscut to intersect the Rising Sun vein. The proposed adit crosscut is shown on the accompanying sketch map. In addition, the applicant requested funds for the installation and construction of numerous mining facilities. These facilities include: installation of 3/4 mile of power line, construction of compressor house and blacksmith shop, construction of ore bin, and purchase of all mine equipment necessary for the accomplishment of the project.

The applicant's proposal allows just enough work to cut the vein, with no allowance for exploration along the vein. Many of the facilities listed in the application would not be allowed under a DMEA contract. No attempt was made to devise an alternative program acceptable to the DMEA, because geologic conditions (discussed below) indicated that exploration by the DMEA was not warranted. However, the applicant expressed his willingness to make any change in the proposed program so as to make it acceptable to the DMEA.

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1/ Weed, W. H., Geology and Ore Deposits, Butte District, Montana, USGS, p. 74, Plate X, 1912.

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During the course of the examination, a number of specimens of float and vein material from the dumps were collected by the applicant and the field examiners. The applicant considered these specimens indicative that high grade ore occurs in the vein. The specimens consisted of quartz with minor specks of pyrite, sphalerite, galena, and malachite. A composite sample of this material assayed: 0.01 oz. gold; 0.7 oz. silver; 0.2 percent lead; 0.15 percent copper; and 0.~~X~~9 percent zinc.

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CONCLUSIONS

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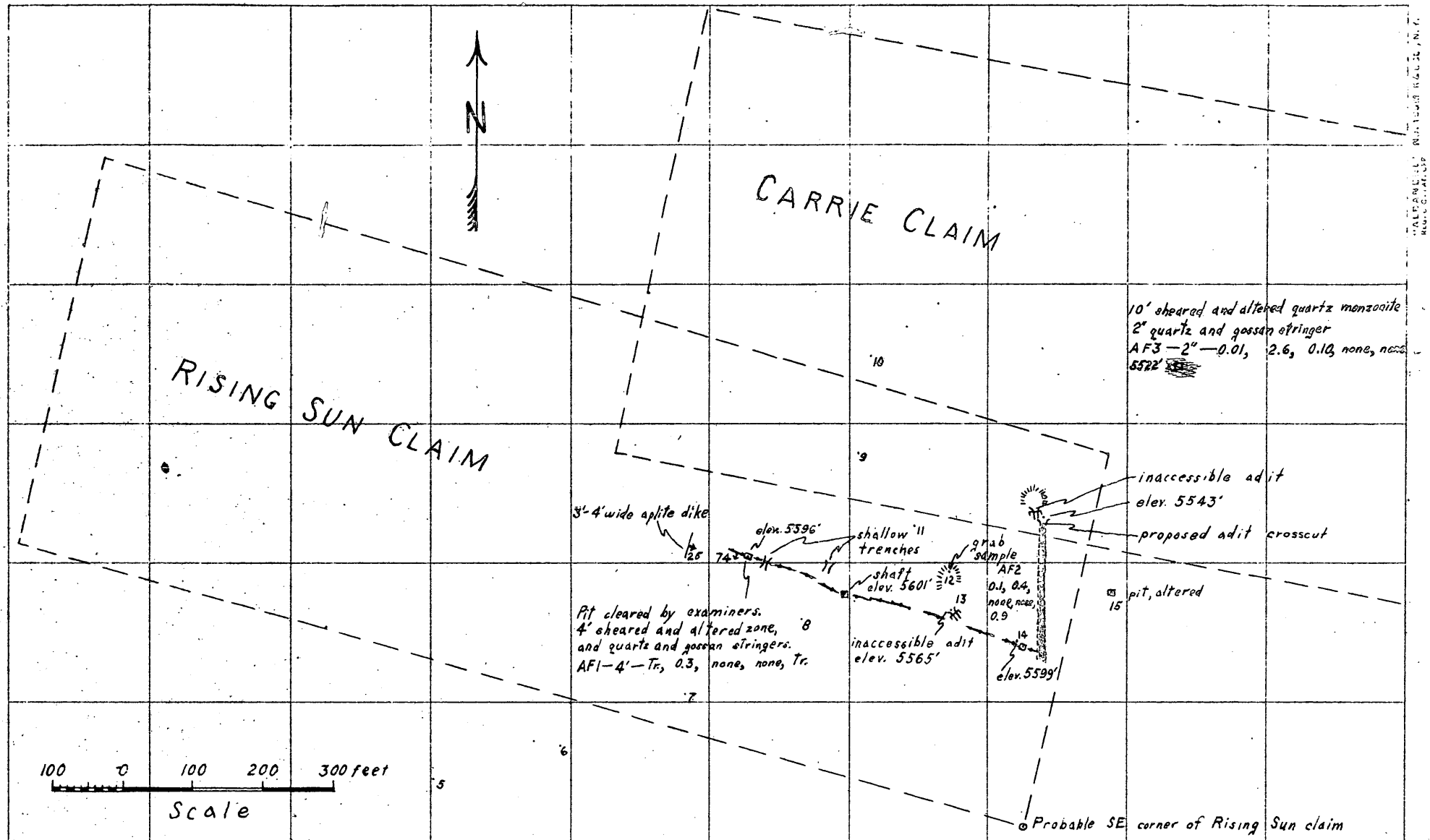
for its gold and silver content. Assay results of material obtained from the vein, dumps, and "high grade" float indicate that no work is justified at the present time.

J. J. Quinlan

Attachment

J. S. McNabb

cc: USBM, Albany
USBM, Spokane
USGS (SRO)



SKETCH MAP SHOWING GEOLOGY, WORKINGS, ASSAYS, AND PROPOSED WORKINGS

RISING SUN CLAIM

Secs. 21 and 22, T. 3 N., R. 7 W., M. P. M.

Silver Bow County, Montana

Workings and geology — Brunton and tape survey — JJQ & JSM, 1952
Claim outline from sketch map furnished by A. C. Fisher.
Tie to boundary is probable SE corner of claim; old post at approximate position as determined from information furnished by A. C. Fisher.

Explanation of Assays

Sample No.	Width	Au	Ag	Cu	Pb	Zn
AF1 —	4' —	Tr.,	0.3,	none,	none,	tr.

FILE COPY
SURNAME:

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

O. W. C.
Moldes

MAY 1 1952

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

Re: Docket No. DMEA-2484 (Lead-Zinc)
Al C. Fisher
1520 Phillips Ave.
Butte, Montana

Dear Mr. Weissenborn:

A review of the above referenced docket, of which you have retained a copy, indicates that additional information is needed in order to process this application for Government Exploration Assistance.

The following points have been raised in the review of the application which, if field examination of the project indicates worthwhile Government participation, will require attention prior to processing a contract:

1. The Geological and engineering feasibility of the project.

2. Maps showing proposed work with necessary copies.

3. A Landlord's Subordination Agreement.

4. A check of applicant's requirements for equipment and supplies such as the purchase of a truck, air compressor and 500 feet of 16 pound rail, and other costs such as installing electric power line and advance to Power Company. All of these costs could be eliminated for a project of short duration and necessary operating equipment could be rented.

5. Fees, for an attorney are not allowable costs.

6. If exploration assistance is justified, include detailed cost figures for the program recommended.

Any other information that you may think is necessary for processing of this application will be appreciated. We have only attempted to point out some of the items that we consider essential and realize that the usual field examination is necessary.

Sincerely yours,

(signed) FRANK E. JOHNSON

Chairman, Operating Committee (NB)
Defense Minerals Exploration
Administration

S.H.
5-1-52

APPROVED:

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

D. M. Lemmon (NB)
Member, Geological Survey

JWAlt/hmj
4-25-52
CC to: Adm. Reading File
Operating Committee
Docket File Copy
Region II
Mr. Bishop
Mr. McKnight
Mr. Moulds
Mr. Alt

500

FILE COPY
SURNAME:

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

J.W.A.
Moulds
H. Johnson
OBW

MAY 1 1952

Mr. Al C. Fisher
1520 Phillips Avenue
Butte, Montana

Re: Docket No. DMEA-2484
Rising Sun Mine
Grove Creek District
Silver Bow County, Montana
Lead-Zinc

Dear Mr. Fisher:

Your application for assistance in exploring the Rising Sun property in Silver Bow County, Montana, 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, Washington, for a field examination.

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

Sincerely yours,

D. E. Moulds

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

S.H.
5-1-52

JWAlt/hmj
4-29-52
CC to: Adm. Reading File
Docket File Copy
Region II (2)
Mr. Moulds
Mr. Alt

IN REPLY REFER TO:

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

April 23, 1952

Memorandum

Re: DMEA-2484
Rising Sun Mine
Grove Creek District
Silver Bow County, Mont.
$15,000.

To: Mr. D. E. Moulds

From: E. L. Newcomb

Subject: Recommendation for field referral

The applicant requests Government assistance to explore a zinc-copper-gold-silver vein on the Carrie and Rising Sun claims near Butte, Montana.

The proposed work consists of driving a 200-foot crosscut to intersect the vein at depth. According to the applicant, exposures of commercial ore along the strike of the vein indicate that 75 feet of "back" may be developed by the proposed crosscut.

There is very little geologic information in the application upon which to judge the merits of the proposed project. The claims are in a quartz monzonite area, which has been largely a precious metal producer. In fact, the applicant's map shows an existing gold vein near his property.

Although this property appears to be primarily a gold-silver prospect, rather than a good base metal prospect, we believe the field team should examine the reported zinc-copper exposures to determine whether the proposed project is geologically feasible.

We recommend that the application be referred to the field for their appraisal and recommendations.

E. L. Newcomb
E. L. Newcomb
Geologist

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

April 23, 1952

Memorandum

To: D. E. Moulds, DMEA

From: H. E. Olund, USBM

Subject: Recommendation for field referral

The applicant, Mr. Al C. Fisher, 1520 Phillips Avenue, Butte, Montana has submitted a request for $15,000 to run 200 feet of x-cut tunnel at the Carrie and Rising Sun claims, in sections 21 and 22, T3N, R7W, Grove Creek Mining District, Silver Bow County, Montana.

We feel sure that Mr. Fisher needs help in filling out his application, as the application he submitted to us will indicate.

In the first place, he does not say anything about the mine, the ore, assays, etc., so we cannot judge the geology. In the second place he has allowed just enough work to cut the vein, with no allowance for exploration of the vein. In the third place, he submitted cost estimates which include $5,380 for an electric driven compressor, $250 for a roller-bearing mine car, $1,000 for a 1½ ton truck, and $300 for attorneys fees and $1,306.68 for an ore bin, without breaking these costs down to rental values for the length of the contract. Then he states "We will be able to furnish our requirements of 50% of the total amount for cost of this program providing we are assured of Government reimbursement of our monthly expenditures as required by operations cost."

We therefore recommend that this application be referred to the regional field team and that they determine any preliminary work which might be done before the larger program is started, provided that the geologist determines that any program is warranted at all.

H. E. Olund

H. E. Olund

DMEA-2489

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

[illegible] Howard Street
Spokane 4, Washington

April [illegible], [illegible]2

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
Received
APR 15 1952

Mr. [illegible] Johnson, Chairman
Operating Committee
Defense Minerals Exploration Administration
Department of Interior
Washington 25, D. C.

Dear Mr. Johnson:

Enclosed are three copies of an application for exploration assistance filed by Mr. [illegible] Fisher on the [illegible] property, [illegible] County, Montana. From information furnished in the application, we present that the application should be processed by the Rapid-Line Branch of DMEA.

One copy of the application has been retained for use in making an examination of the property, if [illegible] that is necessary.

Yours truly,

James [illegible]
For [illegible] Weissenborn
Executive Officer, DMEA
Field [illegible], Region II

[illegible]

EXPLORATION

Subject: DMEA-2484
Re: Exploration Loan
Riseing Sun Mine Quartz Lode Claim
April 15, 1952

Mr. Al. C. Fisher
1520 Phillips Ave.
Butte, Montana

My dear Mr. Fisher:

This will acknowledge receipt of your application dated March 19, 1952 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2484 and referred to the Base Metals Division.

Kindly refer to DMEA-2484 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Administrative Officer

7862

DMEA-2484

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 11, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 15 1952

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

Dear Mr. Johnson:

Enclosed are three copies of an application for exploration assistance filed by Mr. Al C. Fisher on the Riseing Sun property, Silver Bow County, Montana. From information furnished in the application, we presume that the application should be processed by the Lead-Zinc Branch of DMEA.

One copy of the application has been retained for our use in making an examination of the property if the DMEA believes that this is necessary.

Yours truly,

James J. Quinlan

James J. Quinlan
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: USBM

Mr. A. E. Weisenborn
Executive Officer, D. W. E. A.
South 157 Howard Street
Spokane 4, Washington

Dear Mr. Weisenborn:

This is to acknowledge my thanks and appreciation for your kind favor in sending me the required application blanks in applying for a U. S. Government exploration mine loan.

If you will recall our meeting here last December 13, our discussion was pertaining to applying for Government mine loan to be used to unwater and reopen the Anna Butte mine and to resume the mining of ore. During our discussion I produced two mine models, one which showed the underground workings of the gold mine, the surface building including the gold mill. The other mine model represented the Anna mine and it showed all the underground workings of the mine, also different veins and proven ore bodies, with all mine records and data to confirm same. This model also showed the surface and mine buildings. I take it for granted from the interest you have shown me that you were highly impressed with my work, ability and knowledge in the mining field and the method I used by the use of the model to show the work that has been accomplished in the mine up to date, and verifying same by underground survey maps. I trust our discussion and my work shown you met with your approval and convinced you of my ability and knowledge of being well versed and qualified in this field to master a mine of great merit, and being capable of knowing a property by its ore works and essentials required in assurance of the property having an ore body sufficient to warrant a returnable profit for its expenditures and time required to place the mine on profitable earning basis, working it from a prospect stage and developing it into a paying mine.

RECEIVED
APR 6 1952

EAR MARKS

I have been rewarded credit for such achievement.

After reading over and studying my report and findings and the date of this property known as the Rising Sun quartz lode mine property of which I am

applying for a Government Exploration mine loan in preference of the Anna Butte mine for numerous reasons that I have referred to in the mine report; if your findings are that my ability and my finding of the property justifies and warrants me being granted a Government loan to be used for the purpose asked for, I will appreciate hearing from you in the very near future.

No doubt in having a loan approved if granted it will require several days, and if this be the case as time is very essential in me getting the work started on this property by May 1st, so as to allow me to reach the ore body through the proposed cross cut tunnel by late spring or before we resume the mine and mill operations of our gold mine. A letter of your encouragement or approval of the loan being granted will be a great help to me in getting the necessary financial backing required to carry and cover the monthly mine expenditures with the assurance of the reimbursement of 50% of the monthly mine expenditures up to the amount of the loan granted.

If it is in your authority to favor me with such a letter I would appreciate this very much. I will assure you I will in no way take advantage of this favor trusted me. I trust before now you have fully recovered of your illness. Should you see or write to any of the men on the Board who I had the honor of meeting here, give them my regards.

If you feel I can be of any service to your mining board, I would appreciate hearing from you.

With my kindest regards I am,

Very sincerely yours

Al C Fisher

Al C. Fisher

RECEIVED
APR 6 1952
U.S.C.S.
SPOKANE, WASH.

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-2484
Metal or Mineral
Date Received 4-15-52
Amount $
Participation (Government %)

Riseing Sun
Quartz Lode Mining Property

Al. C. Fisher
1520 Phillips Ave.
Butte, Montana

Name and address of applicant

Date March 19, 1952

~~$15,204.93~~
~~$15,000.00~~

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

DMA Docket Number (if available) $15,000.00

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. No other property will be involved

   (*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? Gold, Silver, Lead, Zinc and Possibly copper with depth

   (*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.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 15 1952

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 Yes

   (*b*) Purchased Yes

   (*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 (3 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? If parties now interested approve of property, we will be able to provide for 50% of cost

    (*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.

Riseing Sun Property
(Name of company)
(No Corporate Name)

By Al C Fisher
(Signature of authorized official)

Recently General Manager & President
South Butte Mining & Milling Co. Inc.
(Title)

March 19, 1952
(Date)

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

3 - (A) Work on Rising Sun Mine quartz lode claim will be confined to driving a 200 ft. cross cut and installing necessary building to house compressor and blacksmith shop as all referred to in report and cost showing required expenditures to accomplish this 200 ft. cross cut and for sole purpose to reopen ore body, mine and extract ore and repay loan and cost for same. Please refer to cost sheet showing amount of monies required for mine program and development--total $14,896.40 (Fourteen thousand eight hundred dollars and forty cents)

Cost of installing electric power line for distance of approximately 3/4 mile at expense of $1000.00, and required deposit to Power Co. for their assurance for their power bill amounting to $900.00. This money will be refunded should we close down mine operations. In order to furnish transportation for men working at mine and to haul supplies will require ½ ton truck which will cost $1000.00. Cost for monthly electric current per month is unknown at this time.

(B)- I plan to start said mine operations on or before the 1st of April and sooner if possible if being granted the assurance of a Government reimbursement loan of 50% of our monthly cost of mine expenditures. Will have great bearing on how soon I will start operations on this property. I plan starting mine operations the 1st part of April.

4 - Map attached to application.

5 - At present there is no building on property. The only building required for to complete this work will be to house compressor and blacksmith. Later on it will require adding on ore bin to store and to dump ore in to truck for hauling. For time being to accomplish driving a 200 ft. cross cut. The ore bin will be of no value to mine development, however it will be required at mine when ore production starts. I am attaching a drawn bin sketch and cost sheet for same amounting to same.

7 - Operating equipment will consist of 210 cu. ft. air Compressor, will cost at price shown on cost sheet --$5,304.00. This can be purchased on conditional contract as follows: Under U. S. Government restriction requiring 1/3 cash down payment, balance to be divided in 12 to 18 equal payments monthly, added 6% interest carrying charge and cost insurance on same.

Items such as drill steel & bits, jack hammers, air hose, water hose, mine cars, mine trucks, tools etc., generally require outright purchase.

8- 2 miners required including myself as well as my supervision over operations, making a total of 3 men per 8 hour shift unless I find it impossible to give my time to aid miners for my services and supervision. My wages will be over miner wage per 8 hour shift. So as not to allow myself to be on the same wage level as the men under my supervision and to hold the respect of the men working under me.

9 - Cost sheet showing each item will be attached to application. Assays will cost 2.50 each, and will require at least 4 assays daily when mining ore.

10 - We will be able to furnish our requirements of 50% of the total amount for cost of this program providing we are assured of Government reimbursement of our monthly expenditures as required by operations cost.

Yours very truly,

Al C. Fisher

Al C. Fisher

-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-2484

Date received 4-15-52

Riseing Sun

Quartz Lode Mining Property

Requesting ~~$14,000.00~~ 15,000.00

Exploration Aid Loan
Al. C. Fisher
1520 Phillips Avenue
Butte, Montana

Name and address of applicant

Date March 19, 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) ~~XXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX~~ ~~zation Deduction) of Internal Revenue Code, 1950, (5)~~ ~~XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX~~ priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and ~~(6)~~ 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?
   (*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.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 15 1952

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

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

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

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

March 19, 1952

Al. C. Fisher
1520 Phillips Ave.
Butte, Montana

1. (a) Lead, Zinc, Gold, Silver
   (b) Silica

2. Quartz Lode Mine
   (a) Unknown
   (b) Unknown
   (c) Unknown
   (d) Unknown----Water drains from tunnel

3. (a) Butte, Montana--three and one-half miles
   (b) Grove Creek Mining District
   (c) 3N, Sec. 21 & 22, Range 7, West
   (d) Silver Bow County, Montana

4. (a) No
   (b) Lessee

5. Unknown--Approximately sixty days after work is started

6. Present Operator, many years active operation

7. (a) Refer to report
   (b) Orphan Girl, Nettie, many others

12. (b) Proper method will be followed--Ground permissible
    2000# per ton-regular ton

12. (b)
    (1-a) Unknown--unable to determine due to deep snow
    Considerable
    b) unknown at present
    c) to be determined when permissible
    show of vein
    d) unknown at present
    e) approximately $4, drift slope mining

(*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.

Rising Sun ~~Quartz Lode Mining property~~ Mine
(Name of company)

By Al C Fisher
(Signature of authorized official)

March 19 1951
~~April 3rd 1952~~
(Date)

Recently Gen Mgr & President South Butte Mining Milling Co Inc
(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

THIS AGREEMENT made and entered into this 17th day of March, 1952, by and between H. A. McDONALD HAGGIN, of Butte, Montana, party of the first part, and ALBERT C. FISHER, of Butte, Montana, party of the second part;

W I T N E S S E T H: That for and in consideration of the sum of One Dollar ($1.00), lawful money of the United States, in hand paid, the receipt whereof is hereby acknowledged, and for other valuable consideration and the performance of the agreements herein specified to be performed by the party of the second part, the party of the first part has leased, demised and let, and by these presents does lease, demise and let unto the said party of the second part, his heirs and assigns, the following described mining claim, situated in the Summit Mining District, Silver Bow County, Montana, to-wit:

Rising Sun Quartz Lode Mining Claim, Survey No. 6645, consisting of approximately 15.77 acres.

TO HAVE AND TO HOLD, all and singular, the property rights hereinabove mentioned, for a period of two (2) years from and after the date hereof, and as long thereafter as minerals are produced in paying quantities therein, unless forfeited or terminated by reason of the violation of any of the covenants or agreements of said party of the second part hereinafter contained, with full right in said party of the second part, his heirs and assigns, to mine and extract ore from said described premises, or any part thereof.

Said party of the second part covenants and agrees with the party of the first part as follows:

That he will begin mining operations on said premises on or before May 1st, 1952, and continuously thereafter during the existence of this lease will do and perform or cause to be done and performed at least 20 shifts of labor during the month of May, 1952, and at least 30 shifts of labor during each

calendar month thereafter.

That all work done upon said premises will be performed in a good workmanlike and minerlike manner and in accordance with good mining practice and that all new workings will be safely and properly timbered where required and all old workings requiring timbering to be safely worked hereunder will be properly timbered and cared for.

That he will, at his own expense, apply for and obtain Industrial Accident Insurance covering indemnity in the event of injury to any persons employed in or about said premises.

That he will not do, nor permit anything to be done, which will in any manner subject the parties of the first part to any liability as the result of mining and/or milling operations carried on hereunder; and that he will not suffer, nor permit, the placing of any liens against said premises as the result of failure on his part to pay for all labor expended and equipment or materials used upon said premises.

That he will cause to be posted upon said premises a notice to the effect that he solely is responsible for the operation of said premises and responsible for all operations carried on therein.

To permit said party of the first part, or her authorized agent or agents, at any and all reasonable times and/or hours, to enter upon said premises and inspect the same, and for that purpose hereby grants her the right to use any and all drifts, tunnels, shafts or passageways, and also any and all equipment upon said premises necessary for said purpose.

To pay to the party of the first part from the net smelter returns of each and every lot of ore or concentrates shipped hereunder, and from the premium price payments if any,

a royalty of 15%.

By net smelter returns is meant the full value of the ore or concentrates as determined by the smelter after the charges for transportation, smelting, sampling and umpire assaying have first been deducted and the metal deductions made in accordance with the custom treatment rates and basis of settlement then effective.

Payment of royalties shall be made by the mill or smelter treating or purchasing said ores directed to the party of the first part at her residence, 733 Maryland Avenue, Butte, Montana. In case the party of the second part shall receive any other amount from the sale of such ores over and above the settlement made by the mill or smelter said party of the second part shall pay to the party of the first part the same percentage of such additional receipts as specified for the lots for which settlement is made. With the payment of such additional royalty the party of the second part shall submit to the party of the first part at her residence, 733 Maryland Avenue, Butte, Montana, a statement showing the lot for which the additional payment was received, together with proof of the amount of such additional payment. All payments of royalty shall be applied upon the purchase price of said premises as provided for in the option hereinafter set forth.

That failure on the part of the party of the second part to abide by his covenants and agreements herein contained shall confer upon the party of the first part the right, at her election, to declare this agreement forfeited, and, after 30 days after the service of written notice of her intention to so do, upon the party of the second part, to enter upon and take possession of the herein demised premises and personal property.

That the said party of the second part shall have the right to remove from said premises any mining and/or milling machinery placed thereon by him, such removal to be made within 30 days after the expiration of the term herein mentioned, or within 30 days after the service of a notice of declaration of forfeiture hereof by said first party, but it is expressly agreed and understood between the parties hereto that all water and/or air pipes, tracks and/or buildings placed thereon by the party of the second part shall become the property of the party of the first part and shall remain upon the premises.

PARTY OF THE SECOND PART TO PAY TAXES AND ASSESSMENTS. The party of the second part, in addition to paying the royalty herein stipulated, shall pay before the same becomes delinquent all taxes and all assessments which, during the term hereof, may be lawfully levied or assessed against said mining claim and premises and upon all structures and improvements, equipment and other property erected, constructed, installed and/or used by the party of the second part in connection with the exercise of the rights herein granted, and shall also pay when due all occupation, license and output taxes upon all ores or minerals extracted from said premises or resulting or growing out of the mining operations of the party of the second part upon said premises. The party of the second part, upon the payment of such taxes and assessments, shall promptly furnish the party of the first part with satisfactory evidence of such payment.

That any failure to abide by the terms hereof, on the part of the party of the second part, if caused by strikes, floods, fires, Act of God, or any other means beyond the control of said party of the second part, shall not be grounds for declaring a forfeiture of this agreement.

In consideration of the foregoing provisions and the sum of One Dollar ($1.00), lawful money of the United States, in hand paid, the receipt whereof is hereby acknowledged, the said party of the first part does hereby give and grant to the said party of the second part the right and privilege of purchasing all of the mining property and premises hereinabove described upon the following terms, to-wit:

The purchase price of said property shall be the sum of Five Thousand Dollars ($5,000.00), payable as follows:

On or before the 15th day of April, 1952, the sum of $250.00.

On or before the 15th day of each and every month thereafter until the full purchase price of $5,000.00 is paid, a sum not less than $250.00. If the royalties from said ores for each calendar month do not equal the sum of $250.00 a minimum payment of $250.00 must be paid upon the purchase price.

In case said party of the second part shall fail to make any payment of the purchase price within the time and manner foregoing specified, then the option to purchase herein contained, together with this lease, shall cease and terminate and thereafter shall be null and void and the said party of the first part shall thereupon become entitled to immediate possession of the leased premises, and any and all payments made to the said party of the first part as fixed, determined and liquidated damages and as rental for the use of the premises described herein without claim or demand of the party of the second part.

When the party of the second part shall have made the payments due upon the purchase price as herein set forth in the sum of Five Thousand Dollars ($5,000.00) the said party of the first part shall cause to be executed a good and sufficient deed of conveyance conveying said mining claim and

premises together with the improvements and appurtenances to the said party of the second part free and clear from all incumbrances.

It is agreed between the parties hereto that the party of the second part shall not assign this lease or option or any interest therein, or sub-let the same or any part thereof, without first obtaining the written consent of the party of the first part.

The covenants, agreements and conditions of this agreement shall be continuing ones, and any forbearance of the said party of the first part to enforce a forfeiture on the occasion of one or more breaches thereof shall not be construed as a waiver of the right to enforce such forfeiture for any subsequent breach.

Time is of the essence of this agreement, and all of the terms provisions and conditions of this agreement shall extend to and be binding upon the heirs, legal representatives, successors and assigns of the respective parties hereto.

IN WITNESS WHEREOF, the said parties have hereunto set their hands and seals the day and year first above written.

H. A. McDonald Hoggin

Party of the First Part.

Albert C Fisher

Party of the Second Part.

STATE OF MONTANA, }
COUNTY OF SILVER BOW. } ss:

On this 15th day of March, 1952, before me, ALF C. KREMER, a Notary Public for the State of Montana, personally appeared H. A. McDONALD HAGGIN and ALBERT C. FISHER, known to me to be the persons whose names are subscribed to the foregoing instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Notarial Seal on the day and year in this certificate above written.

NOTARY PUBLIC for the State of Montana, residing at Butte, Montana.

My commission expires Sept. 11, 1954.

RISING SUN & CARRIE QUARTZ LODE CLAIMS

Brief Geology Report.

The general geology of the Butte District has been covered thoroughly by Walter Harvey Weed in the U. S. Geology as shown by professional papers, Bulletin #74, and by other writers, therefore no special references are considered necessary; however, I will relate a brief report of findings of this property.

The country rocks are typical Butte quartz monzenite granite. The strike of the course of the vein is an easterly and westerly direction. The entire country rocks of vein and dyke material lying between the different veins are altered to a great extent, showing a heavy stain of oxidization on the surface along the length of the vein. The outcropping of the vein system of the Rising Sun and the Carrie quartz lode mining claims are the same as those well recognized veins which have been credit of the great ore bodies of the proven mines of the surrounding district, which is a great factor in favor of the properties and is further proof of the deep seated ore bodies at depth. Undoubtedly the properties are rich in complex metals as well as gold and silver.

There is no doubt in my mind that this formation in forming this rich strong vein structure was due to a heavy apalite intrusion of these dykes penetrating to the surface, therefore, causing fissures of the vein struction, through the country rock.

The apalite intrusion in the district has undoubtedly proved to be a big factor in maing large mines of the Butte District.

At one time it was believed that the apalite formation was comparatively shallow, however, the findings of the writer are somewhat contradictory, as the writer having been given credit for discovery of the ore in the Highland Mine, at that time held by the Ardsley Butte Mines Company. The Ardsley Butte mine produced great ore tonnage of complex metals and showed that the vein did not pass out of the apalite dykes and proved the apalite formed the footwall of the Highland vein. This mine was recognized as being all time one of the largest producer of ores of complex metal of the district. Therefore, the apalite dykes it played in forming these veins was a great beneficiary to the mine and the part it played in mineralizing the vein structure in rich values.

These findings of the apalite formation in the Highland Mine should apply to the apalite formation of the Rising Sun and the Carrie veins of our district.

I may add a few lines regarding the shear zones of these properties in contact with the apalite dykes, etc., which is considered highly favorable for finding extensive ore bodies and increasing as depth is gained.

The writer having had an active part in opening up ore bodies in this district has gained the important related facts as stated above, and has taken advantage of his findings, acquiring the Rising Sun quartz lode mine and the Carrie quartz lode mining property, both in the same district, joining one another, under a very reasonable bond and lease agreement. The term of the lease bond and option on the properties runs from two to five years.

The writer leased these properties for the purpose of carrying on mining operations to open up the ore bodies he believes present from all indications of surface ore findings on the properties. All indications warrant further development to ascertain whether or not commercial ore will be found and the quantity.

The writer is confident that if his present development program is completed, same being the driving of a 200 ft. crosscut through to open the ore bodies which show on the surface of the vein, that ore will be found of commercial value warranting the expenditure for same.

On the surface of the vein and on the hill side, heavy float material is scattered which has broken from the vein and shows a large deterioration has taken place on the surface of the vein structure. On the vein structure in a number of places ores of commercial value is shown which is further proof that the crosscut should open this grade of ore if not better.

These findings as related to the ore outcrops undoubtedly was the finding of the locator causing the properties to be located and patented by him, as the work on the property shows it was his intention to develop the property. His death prevented this development.

Respectfully submitted,

Al C Fisher

Al. C. Fisher
Mines & Mining.

Butte, Montana
March 10, 1952

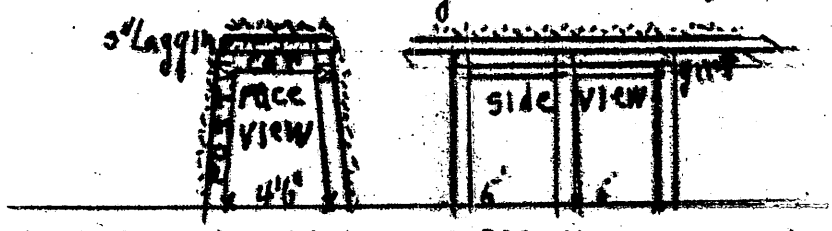
Cost Sheet of Crosscut Development of Rising Sun Mine.

The work will be confined to driving a proposed 200 ft. cross cut as shown on mine sketch and will be driven so that where the vein and ore body is opened it will give us a back of ore 75 ft. over drift timbers to permit steping of ore at the least cost possible.

The time required to complete this work is about 60 days and the cost will amount as follows:

Allowing day wages for 2 miners per 8 hr. shift $14.00 each or $28.00 for a period of 60 days	$ 1,680.00	
Allowing for 1½ shift for 6th day of every week - 10 days	140.00	
Allowing Al. C. Fisher, Supervision - aiding with work $15.00 per day, time and half for 10 days..	975.00	
		$2,975.00

Sketch showing Timber Sets for Xcut



Cost for mine timber of 200 ft. cross cut.

Allowing - 2 timbers 7' x 10" posts and 3'6"x10" drift cap. " 1 timber 18' x 10" will cut 2 posts and 1 cap or one set at $2.00 a timber will require 40 mine timbers	80.00	
Allowing 1 - 18 ft. x 6" timber cut 4 mine girts sufficient for 2 drift sets or 20 sets amounting to 20 timbers at $1.25	$ 25.00	
Allowing 5' length lagging to 1 drift set will require 2 pieces 3" thick by 5' length x 12" wide and 1 piece likewise 6" in width or 45 ft. to a set - for 40 sets 1800 ft. at $110.00 per 1000 ft.	$ 198.00	
		$ 303.00
Will require 100 pieces 3" x 5' x 6" mine track ties or 300 ft. at $110.00	$ 33.00	

Cost of Hardware

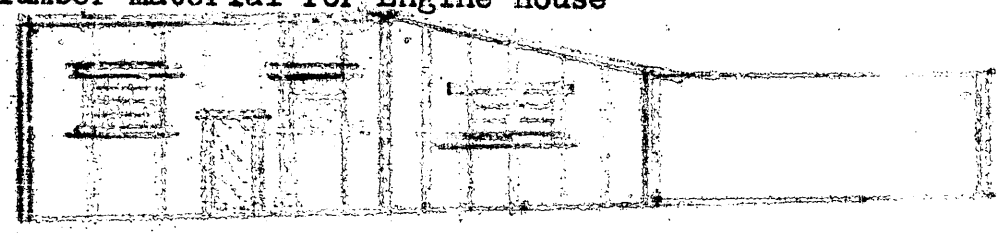
500' of 16# steel track rails or 9000# at $150.00 per 1000 ft	1,350.00	
20 sets of steel fish plates at .46 cents a set	9.20	
20 sets of steel fish plates bolts and nuts at 20 cents per pound	4.00	
80 pounds of track spikes at 40 cents a pound . .	32.00	
300 pounds mixed nails (60) - 40 - 80 at 8 cents a lb.	24.00	
		$1,419.20

$4,550.20

Tools

1 carpenter hand saw at $4.25	$ 4.25	
1 - 6 ft. mine hand saw $3.00	3.00	
6 mine drift picks and handles $3.50 each	21.00	
6 round point shovels 3.00 each	18.00	
6 square " " 3.00 each	18.00	
Misc. tools	20.00	
		$ 144.25

Cost for lumber-material for Engine House



14 pieces 2" x 4" x 10' studdings for both ends	- 98 ft.	
6 " 2" x 4" x 10' " " front ends	70 ft.	
6 " 2" x 4" x 8' " " back	56 ft.	
Rafters 9 pieces 2" x 6" x 16'	144 ft.	
	368 ft.	
9 pieces 2" x 6" x 14' Floor sills	126 ft.	
18 pieces 2" x 22" x 14' Flooring	504 ft.	

Board Sheeting

Front	140 ft.	
Back	122 ft.	
2 Ends	280 ft.	
Roofing	320 ft.	
Total lumber 1860 ft. at $110 a 1000 ft.	1,860 ft.	$204.60
4 sets windows each at $6.00		24.00
2 single doors " " 5.00		10.00
2 door locks " " 2.00		4.00
12 rolls two roofing-building paper @ $2. per roll		24.00
100# mixed nails at 8 cents a pound		8.00 $ 274.60

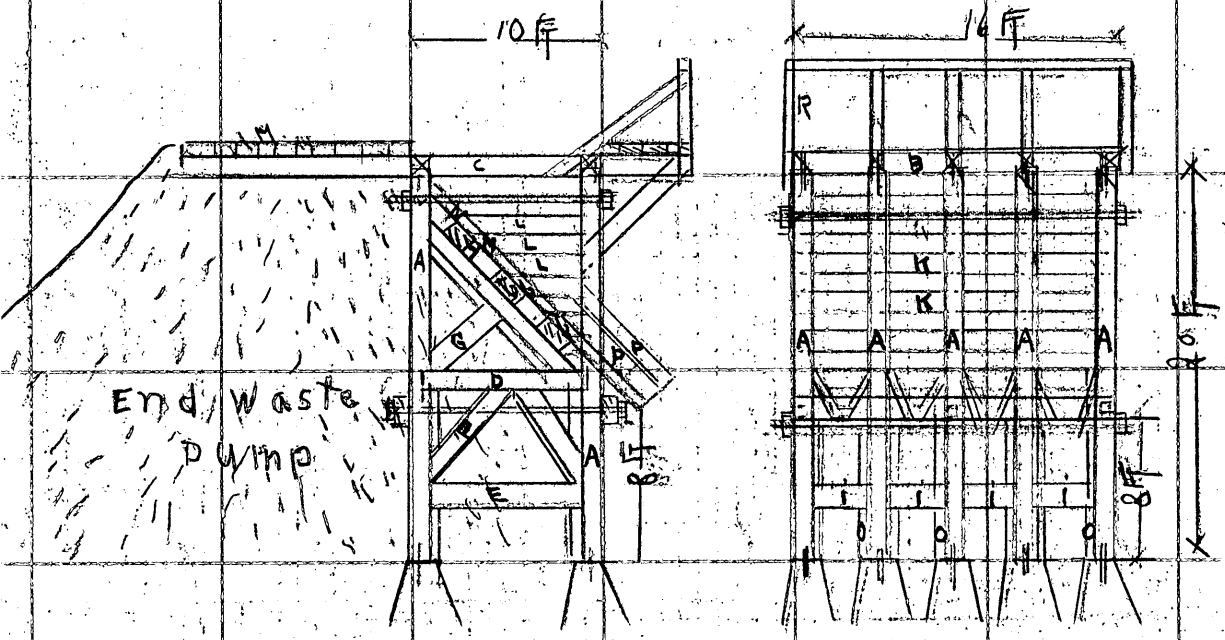
Blasting Chart

Cost for powder - caps - fuse.		$ 4,969.05
To break ground for 5 ft. advance and cut, will require 10 holes 4 ft. deep to each round fired will require 4 sticks powder 40% to each hole, 10 holes to 1 round will require 40 sticks, for 200 ft. of cross cut it will require 40 rounds, amounting to 1600 sticks or 320 lbs. at 22 cents a pound	$ 70.40	
		70.40
		$ 5,039.45
400 blasting caps - sells at 1000 to bow	$ 21.50	
Blasting fuse 8 ft. to hole amounting to 3200 ft. sells per roll $13.70 a thousand ft. - 3 rolls	41.10	
		62.60
Equipment		
1 - 210 cu. ft. Electric drivers Air Compressor This compressor is now available at Butte Machinery Co.	5,380.00	
1 Jack Hammer - New	300.00	
1 - 50 ft. Rubber air hose with speed connections complete	30.00	
1 - 50 ft. Rubber water hose with speed connections complete	30.00	
4 - sets 4 piece drill steel sets at $30.00 a set	120.00	
80 drill bits each at .49 cents	39.20	
1 - 3/4 ton steel roller bearing mine car	250.00	
		$ 6,149.20
Miscellaneous Costs.		
Installing 3/4 mile Electric Power Line	1,000.00	
Advance deposit to Power Co.	700.00	
Advance payment State Ind. Accident Board Ins. on men	250.00	
Will require 1½ ton truck hauling merc. and supplies to mine	1,000.00	
Cost for Att'y fees, Incorporating Co. - Filing papers, etc.	300.00	
		$ 3,250.00
		$ 14,501.25
Cost ore bin		1 306 68
		$ 15,809.93

A C Fisher

Capitalization of Sun Rise Mining Co., Inc.
250,000 shares par value $1.00 per share

ORE Bin Sketch and cost Sheet



Timber Material			
A 10 peices	8"x8"x20 FT	=	10680
B = 2 "	" " 16 "	=	1708
C = 5 "	" " 20 "	=	5340
D = 5 "	" " 12 "	=	320
E = 5 "	" " 10 "	=	267
F = 5 "	" " 12 "	=	320
G = 5 "	" " 12 "	=	320
H = 5 "	" " 12 "	=	320
I = 4 "	" " 12 "	=	256
J = 12 "	4 x 12 x 16 "	=	768
K = 10 "	3" x 12 x 16 "	=	480
L = 20 "	" " 16 "	=	960
M = 10 "	" " 16 "	=	480
N = 16 "	" " 16 "	=	768
O = 4 "	" 8 x 12 "	=	96
P = 8 "	" 12" x 12 "	=	288
Q = 1 "	4 x 6 x 18 "	=	36
U = 1 "	3 x 6 x 10 "	=	27
R = 3 "	3 x 6 x 10 "	=	45
			6068 Feet

Spikes			
100#	1 Keg of 80c	=	= 977
"	" 60c		947
"	" 40c	=	= 952
"	" 30 "	=	= 952

8 Peices bolt Rod iron 10'10" x 7/8 with nuts washers with threads both ends at	$400	$1200
4 peices bolt Rod iron 7/8 x 20'2½" thread both ends with nuts washers each at	1044	41.60
2 peices 3/4 x 10' for stud pins		800
Cost for Lumber and Labor required Time for Completing ore bin allowing 4 men 8h shift each at 1500 or $60.00 per 8hs 10 days x 60		$600.00
Lumber Cost		$606.80
6068 Feet at $100.00 per 1000 Feet = 606.80		
Total		$1806.68

Sketch and cost sheet By A C Fisher
March 27 = 1952

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-2484

Date received 4-15-52

Riseing Sun

Quartz Lode Mining Property

Requesting ~~$14,000.00~~ $15.000.00
cost ore bin added = 15,809.93
Exploration Aid Loan 15,000.00

Name and address of applicant
Al C. Fisher
1520 Phillips Avenue
Butte, Montana

Date March 19, 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?
   (*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.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 15 1952

4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☒ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

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

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

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

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

March 19, 1952

Al. C. Fisher
1520 Phillips Ave.
Butte, Montana

1. (a) Lead, Zinc, Gold, Silver
   (b) Silica

2. Quartz Lode Mine
   (a) Unknown
   (b) Unknown
   (c) Unknown
   (d) Unknown——Water drains from tunnel

3. (a) Butte, Montana—three and one-half miles
   (b) Grove Creek Mining District
   (c) 3N, Sec. 21 & 22, Range 7, West
   (d) Silver Bow County, Montana

4. (a) No
   (b) Lessee

5. Unknown—Approximately sixty days after work is started

6. Present Operator, many years active operation

7. (a) Refer to report
   (b) Orphan Girl, Nettie, many others

12. (b) Proper method will be followed—Ground permissible 2000# per ton-regular ton

12. (b)
   (1-a) Unknown—unable to determine due to deep snow Considerable
   b) unknown at present
   c) to be determined when permissible show of vein
   d) unknown at present
   e) approximately $4, drift slope mining

(*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.

Rising Sun ~~Quartz Lode Property~~ Mine
(Name of company)

By _____
(Signature of authorized official)

no Corporation name

March 19 (Date) 1958

_____
(Title)

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

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

Form MF-103
(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-2484
Metal or Mineral
Date Received 4-15-52
Amount $
Participation (Government %)

Riseing Sun
Quartz Lode Mining Property

Al. C. Fisher
1520 Phillips Ave.
Butte, Montana

Name and address of applicant

Date

If you have already filed MF-100, give date filed ....., type of assistance requested Exploration Aid Loan $15,000.00
Cost. Ore bin added

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

A.C.F
$15000.00

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. No other property will be involved

   (*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? Gold, Silver, Lead, Zinc and possibly copper at depth

   (*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.

APR 15 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.

   (*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 Yes

   (*b*) Purchased Yes

   (*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? If parties now interested approve of property, we will be able to provide for 50% of cost

    (*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.

Riseing Sun Property
(Name of company)
(No Corporate Name)

By W C Gushes
(Signature of authorized official)

Recently was General Manager & President
South Butte Mining & Milling Co. Inc.
(Title)

March 19, 1952
(Date)

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

ANSWER SHEET TO BACK PAGE EXPLORATION PROJECT

3 - (A) Work on Rising Sun Mine Quartz Lode claim will be confined in driving a 200 ft. cross cut and installing necessary building to house compressor and blacksmith shop as all referred to in report and cost showing required expenditures to accomplish this 200 ft. cross cut and for sole purpose to reopen ore body, mine and extract ore and repay loan and cost for same. Please refer to cost sheet showing amount of monies required for mine program and development--total $14,896.40 (Fourteen thousand eight hundred dollars and forty cents)

Cost of installing electric power line for distance of approximately 3/4 mile at expense of $1000.00, and required deposit to Power Co. for their assurance for their power bill amounting to $900.00. This money will be refunded should we close down mine operations. In order to furnish transportation for men working at mine and to haul supplies will require ½ ton truck which will cost $1000.00. Cost for monthly electric current per month is unknown at this time.

(B)- I plan to start said mine operations on or before the 1st of April and sooner if possible if being granted the assurance of a Government reimbursement loan of 50% at our monthly cost of mine expenditures. Will have great bearing on how soon I will start operations on this property. I plan starting mine operations the 1st part of April.

4 - Map attached to application.

5 - At present there is no building on property. The only building required for to complete this work will be to house compressor and blacksmith. Later on it will require adding an ore bin to store and to dump ore in to truck for hauling. For time being to accomplish driving a 200 ft. cross cut. The ore bin will be of no value to mine development, however it will be required at mine when ore production starts. I am attaching a drawn bin sketch and cost sheet for same amounting to same.

7 - Operating equipment will consist of 210 cu. ft. air Compressor, will cost at price shown on cost sheet —$5,384.00. This can be purchased on conditional contract as follows: Under U. S. Government restriction requiring 1/3 cash down payment, balance to be divided in 12 to 18 equal payments monthly, added 6% interest carrying charge and cost insurance on same.

Items such as drill still & bits, jack hammers, air hose, water hose, mine cars, mine trucks, tools etc., generally require outright purchase.

8- 2 miners required including myself as well as my supervision over operations, making a total of 3 men per 8 hour shift unless I find it impossible to give my time to aid miners for my services and supervision. My wages will be over miner wage per 8 hour shift. So as not to allow myself to be on the same wage level as the men under my supervision and to hold the respect of the men working under me.

9 - Cost sheet showing each item will be attached to application. Assays will cost 2.50 each, and will require at least 4 assays daily when mining ore.

10 - We will be able to furnish our requirements of 50% of the total amount for cost of this program providing we are assured of Government reimbursement of our monthly expenditures as required by operations cost.

Yours very truly

Al C. Fisher

Al C. Fisher

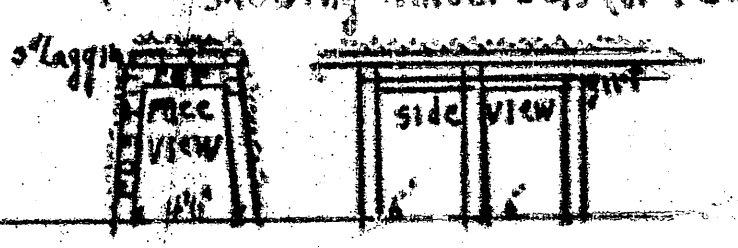
Cost Sheet of Crosscut Development of Rising Sun Mine.

The work will be confined to driving a proposed 200 ft. cross cut as shown on mine sketch and will be driven so that where the vein and ore body is opened it will give us a back of ore 75 ft. over drift timbers to permit stoping of ore at the least cost possible.

The time required to complete this work is about 60 days and the cost will amount as follows:

Allowing day wages for 2 miners per 8 hr. shift $14.00 each or $28.00 for a period of 60 days	$ 1,680.00	
Allowing for 1½ shift for 6th day of every week - 10 days	140.00	
Allowing Al. C. Fisher, Supervision - aiding with work $15.00 per day, time and half for 10 days..	975.00	
		$2,975.00

Sketch showing Timber Sets for Cut



Cost for mine timber of 200 ft. cross cut.

Allowing - 2 timbers 7' x 10" posts and 3'6"x10" drift cap. " 1 timber 18' x 10" will cut 2 posts and 1 cap or one set at $2.00 a timber will require 40 mine timbers	$ . . 80.00	
Allowing 1 - 18 ft. x 6" timber cut 4 mine girts sufficient for 2 drift sets or 20 sets amounting to 20 timbers at $1.25	$ 25.00	
Allowing 5' length lagging to 1 drift set will require 2 pieces 3" thick by 5' length x 12" wide and 1 piece likewise 6" in width or 45 ft. to a set - for 40 sets 1800 ft. at $110.00 per 1000 ft.	$ 198.00	
		$ 303.00
Will require 100 pieces 3" x 5' x 6" mine track ties or 300 ft. at $110.00	$ 33.00	

Cost of Hardware

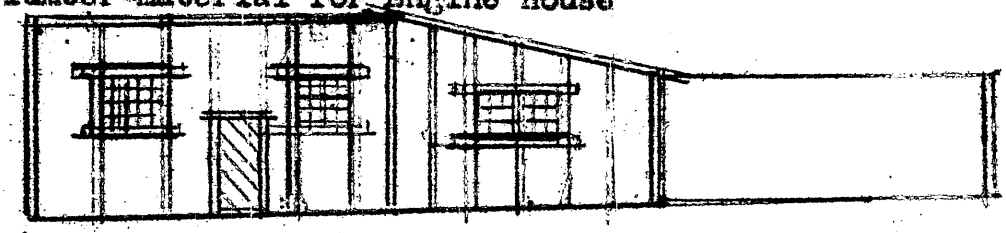
500' of 16# steel track rails or 9000# at $150.00 per 1000 ft	1,350.00	
20 sets of steel fish plates at .46 cents a set	9.20	
20 sets of steel fish plates bolts and nuts at 20 cents per pound	4.00	
80 pounds of track spikes at 40 cents a pound . .	32.00	
300 pounds mixed nails (60) - 40 - 80 at 8 cents a lb.	24.00	
		$1,419.20

$4,550.20

Tools

1 carpenter hand saw at $4.25	$ 4.25	
1 - 6 ft. mine hand saw $3.00	3.00	
6 mine drift picks and handles $3.50 each	21.00	
6 round point shovels 3.00 each	18.00	
6 square " " 3.00 each	18.00	
Misc. tools	20.00	
		$ 144.25

Cost for lumber-material for Engine House

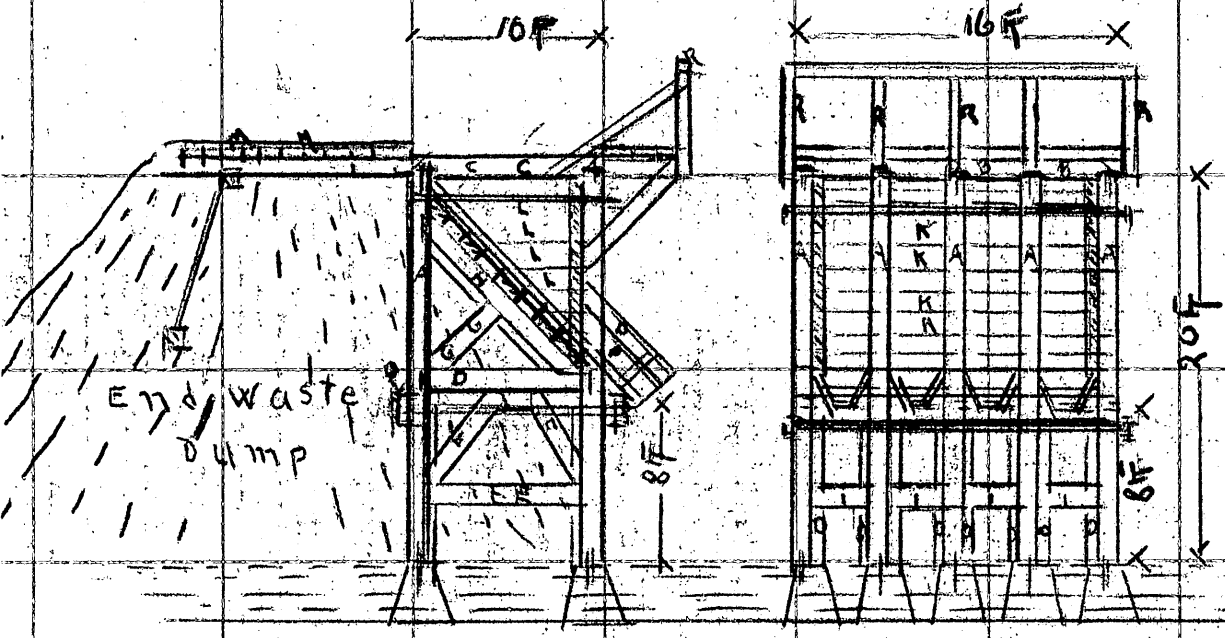


14 pieces 2" x 4" x 10' studdings for both ends	98 ft.	
6 " 2" x 4" x 10' " " front ends	70 ft.	
6 " 2" x 4" x 8' " " back	56 ft.	
Rafters 9 pieces 2" x 6" x 16'	144 ft.	
	368 ft.	
9 pieces 2" x 6" x 14' Floor sills	126 ft.	
18 pieces 2" x 22" x 14' Flooring	504 ft.	

Board Sheeting

Front	140 ft.	
Back	122 ft.	
2 Ends	280 ft.	
Roofing	320 ft.	
Total lumber 1860 ft. at $110 a 1000 ft.	1,860 ft.	$204.60
4 sets windows each at $6.00		24.00
2 single doors " " 5.00		10.00
2 door locks " " 2.00		4.00
12 rolls two roofing-building paper @ $2. per roll		24.00
100# mixed nails at 8 cents a pound		8.00
		$ 274.60

ORE Bin Sketch and cost Sheet



Timber Material			
A 10 pieces	8" x 8" x 20' F	=	10680
B = 2 "	" " " 16 "	=	1708
C = 5 "	" " 20 "	=	5340
D = 5 "	" " 12 "	=	320
E = 5 "	" " 10 "	=	267
F = 5 "	" " 12 "	=	320
G = 5 "	" " 12 "	=	320
H = 5 "	" " 12 "	=	320
I = 4 "	" " 12 "	=	256
J = 12 "	4" x 12 x 16 "	=	768
K = 10 "	3" x 12 x 16 "	=	480
L = 20 "	" " 16 "	=	960
M = 10 "	" " 16 "	=	480
N = 16 "	" " 16 "	=	768
O = 4 "	" 8 x 12 =	=	96
P = 8 "	" 12 x 12 =	=	288
Q = 1 "	4" x 6" x 18 =	=	36
Y = 1	3 x 6 x 18 =	=	27
R = 3 "	3 x 6 x 10 "	=	45
	6068 feet at $100.00 per 1000' =		$60680

Spikes		
100 # Keg of 80c at		977
" # " 60 =		947
" " 40 =		952
" " 30 =		952
8 pieces bolt Rod iron 10'10" x 7/8" with nuts washers threads both ends each at	$4.00	1200
4 pieces bolt Rod iron 7/8 x 20' 2½" Threads both ends with nuts washers each at	10.40	460
2 pieces 3/4 x 10 for stud pins		800
Cost for Labor and required time for completing ore bin. allowing 4 men 8 hrs shift each at $15.00 = $60.00 per 8 hrs 10 days		60000
Lumber cost		60680

Total $130668.

Sketch and cost sheet By Al C Jeffrey
March 27-1952

Cost for powder - caps - fuse.		$ 4,969.05
To break ground for 5 ft. advance and cut, will require 10 holes 4 ft. deep to each round fired will require 4 sticks powder 40% to each hole, 10 holes to 1 round will require 40 sticks, for 200 ft. of cross cut it will require 40 rounds; amounting to 1600 sticks or 320 lbs. at 22 cents a pound	$ 70.40	
		70.40
		$ 5,039.45
400 blasting caps - sells at 1000 to bow	$ 21.50	
Blasting fuse 8 ft. to hole amounting to 3200 ft. sells per roll $13.70 a thousand ft. - 3 rolls	41.10	
		62.60
Equipment		
1 - 210 cu. ft. Electric drivers Air Compressor This compressor is now available at Butte Machinery Co.	5,380.00	
1 Jack Hammer - New	300.00	
1 - 50 ft. Rubber air hose with speed connections complete	30.00	
1 - 50 ft. Rubber water hose with speed connections complete	30.00	
4 - sets 4 piece drill steel sets at $30.00 a set	120.00	
80 drill bits each at .49 cents	39.20	
1 - 3/4 ton steel roller bearing mine car	250.00	
		$ 6,149.20
Miscellaneous Costs.		
Installing 3/4 mile Electric Power Line	1,000.00	
Advance deposit to Power Co.	700.00	
Advance payment State Ind. Accident Board Ins. on men	250.00	
Will require 1½ ton truck hauling merc. and supplies to mine	1,000.00	
Cost for Att'y fees, Incorporating Co. - Filing papers, etc.	300.00	
		$ 3,250.00
		$ 14,501.25
Capitalization of Sun Rise Mining Co., Inc.	cost ore bin since added	1 306 68
		$ 15,807.93

a e Fisher

THIS AGREEMENT made and entered into this 15th day of March, 1952, by and between H. A. McDONALD HAGGIN, of Butte, Montana, party of the first part, and ALBERT C. FISHER, of Butte, Montana, party of the second part;

W I T N E S S E T H: That for and in consideration of the sum of One Dollar ($1.00), lawful money of the United States, in hand paid, the receipt whereof to hereby acknowledged, and for other valuable consideration and the performance of the agreements herein specified to be performed by the party of the second part, the party of the first part has leased, demised and let, and by these presents does lease, demise and let unto the said party of the second part, his heirs and assigns, the following described mining claim, situated in the Summit Mining District, Silver Bow County, Montana, to-wit:

Rising Sun Quartz Lode Mining Claim, Survey No. 6645, consisting of approximately 15.77 acres.

TO HAVE AND TO HOLD, all and singular, the property rights hereinabove mentioned, for a period of two (2) years from and after the date hereof, and as long thereafter as minerals are produced in paying quantities therein, unless forfeited or terminated by reason of the violation of any of the covenants or agreements of said party of the second part hereinafter contained, with full right in said party of the second part, his heirs and assigns, to mine and extract ore from said described premises, or any part thereof.

Said party of the second part covenants and agrees with the party of the first part as follows:

That he will begin mining operations on said premises on or before May 1st, 1952, and continuously thereafter during the existence of this lease will do and perform or cause to be done and performed at least 20 shifts of labor during the month of May, 1952, and at least 30 shifts of labor during each calendar month thereafter.

That all work done upon said premises will be performed in a good workmanlike and minerlike manner and in accordance with good mining practice and that all new workings will be safely and properly timbered where required and all old workings requiring timbering to be safely worked hereunder will be properly timbered and cared for.

That he will, at his own expense, apply for and obtain Industrial Accident Insurance covering indemnity in the event of injury to any persons employed in or about said premises.

That he will not do, nor permit anything to be done, which will in any manner subject the parties of the first part to any liability as the result of mining and/or milling operations carried on hereunder; and that he will not suffer, now permit, the placing of any liens against said premises as the result of failure on his part to pay for all labor expended and equipment or materials used upon said premises.

That he will cause to be posted upon said premises a notice to the effect that he solely is responsible for the operation of said premises and responsible for all operations carried on therein.

To permit said party of the first part, or her authorpzed agent or agents, at any and all reasonable times and/or hours, to enter upon said premises and inspect the same, and for that purpose hereby grants her the right to use any and all drifts, tunnels, shafts, or passageways, and also any and all equipment upon said premises necessary for said purpose.

To pay to the party of the first part from the net smelter returns of each and every lot of ore or concentrates shipped hereunder, and from the premium price payments if any, a royalty of 15%.

By net smelter returns is meant the full value of the ore or concentrates as determined by the smelter after the charges for transportation, smelting, sampling and umpire assaying have

first been deducted and the metal deductions made in accordance with the custom treatment rates and basis of settlement then effective.

Payment of royalties shall be made by the mill or smelter treating or purchasing said ores directed to the party of the first part at her residence, 733 Maryland Avenue, Butte, Montana. In case the party of the second part shall receive any other amount from the sale of such ores over and above the settlement made by the mill or smelter said party of the second part shall pay to the party of the first part the same percentage of such additional receipts as specified for the lots for which settlement is made. With the payment of such additional royalty the party of the second part shall submit to the party of the first part at her residence, 733 Maryland Avenue, Butte, Montana, a statement showing the lot for which the additional payment was received, together with proof of the amount of such additional payment. All payments of royalty shall be applied upon the purchase price of said premises as provided for in the option hereinafter set forth.

That failure on the part of the party of the second part to abide by his covenants and agreements herein contained shall confer upon the party of the first part the right, at her election, to declare this agreement forfeited, and, after 30 days after the service of written notice of her intention to do so, upon the party of the second part, to enter upon and take possession of the herein demised premises and personal property.

That the said party of the second part shall have the right to remove from said premises any mining and/or milling machinery placed thereon by him, such removal to be made within 30 days after the expiration of the term herein mentioned, or within 30 days after the service of a notice of declaration of forfeiture hereof by said first party, but it is expressly agreed

and understood between the parties hereto that all water and/or air pipes, tracks and/or buildings placed thereon by the party of the second part shall become the property of the party of the first part and shall remain upon the premises.

PARTY OF THE SECOND PART TO PAY TAXES AND ASSESSMENTS. The party of the second part, in addition to paying the royalty herein stipulated, shall pay before the same becomes delinquent all taxes and all assessments which, during the term thereof, may be lawfully levied or assessed against said mining claim and premises and upon all structures and improvements, equipment and other property erected, constructed, installed and/or used by the party of the second part in connection with the exercise of the rights herein granted, and shall also pay when due all occupation, license and output taxes upon all ores or minerals extracted from said premises or resulting or growing out of the mining operations of the party of the second part upon said premises. The party of the second part, upon the payment of such taxes and assessments, shall promptly furnish the party of the first part with satisfactory evidence of such payment.

That any failure to abide by the terms hereof, on the part of the party of the second part, if caused by strikes, floods, fires, Act of God, or any other means beyond the control of said party of the second part, shall not be grounds for declaring a forfeiture of this agreement.

In Consideration of the foregoing provisions and the sum of One Dollar ($1.00), lawful money of the United States, in hand paid, the receipt whereof is hereby acknowledged, the said party of the first part does hereby give and grant to the said party of the second part the right and privilege of purchasing all of the mining property and premises hereinabove described upon the following terms, to-wit:

The purchase price of said property shall be the sum of Five Thousand Dollars ($5,000.00), payable as follows:

On or before the 15th day of April, 1952, the sum of $250.00.

On or before the 15th day of each and every month thereafter until the full purchase price of $5,000.00 is paid, a sum not less than $250.00. If the royalties from said ores for each calendar month do not equal the sum of $250.00 a minimum payment of $250.00 must be paid upon the purchase price.

In case said party of the second part shall fail to make any payment of the purchase price within the time and manner foregoing specified, then the option to purchase herein contained, together with this lease, shall cease and terminate and thereafter shall be null and void and the said party of the first part shall thereupon become entitled to immediate possession of the leased premises, and any and all payments made to the said party of the first part as fixed, determined and liquidated damages and as rental for the use of the premises described herein without claim or demand of the party of the second part.

When the party of the second part shall have made the payments due upon the purchase price as herein set forth in the sum of Five Thousand Dollars ($5,000.00) the said party of the first part shall cause to be executed a good and sufficient deed of conveyance conveying said mining claim and premises together with the improvements and appurtenances to the said party of the second part free and clear from all incumbrances.

It is agreed between the parties hereto that the party of the second part shall not assign this lease or option or any interest therein, or sub-let the same or any part thereof, without first obtaining the written consent of the party of the first part.

The covenants, agreements and conditions of this agreement shall be continuing ones, and any forbearance of the said party of the first part to enforce a forfeiture on the occasion

of one or more breaches thereof shall not be construed as a waiver of the right to enforce such forfeiture for any subsequent breach.

Time is of the essence of this agreement, and all of the terms provisions and conditions of this agreement shall extend to and be binding upon the heirs, legal representatives, successors and assigns of the respective parties hereto.

IN WITNESS WHEREOF, the said parties have hereunto set their hands and seals the day and year first above written.

Signed - H. A. McDonald Haggin

Party of the First Part

Signed - Albert C. Fisher

Party of the Second Part.

STATE OF MONTANA,

ss:

COUNTY OF SILVER BOW.

On this 15th day of March, 1952, before me, ALF C. KREMER, a Notary Public for the State of Montana, personally appeared H. A. McDONALD HAGGIN and ALBERT C. FISHER, known to me to be the persons whose names are subscribed to the foregoing instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Notarial Seal on the day and year in this certificate above written.

Signed - Alf C. Kremer

NOTARY PUBLIC for the State of Montana,
residing at Butte, Montana.

My commission expires Sept. 11, 1954.

RISING SUN & CARRIE QUARTZ LODE CLAIMS

Brief Geology Report.

The general geology of the Butte District has been covered thoroughly by Walter Harvey Weed in the U. S. Geology as shown by professional papers, Bulletin #74, and by other writers, therefore no special references are considered necessary; however, I will relate a brief report of findings of this property.

The country rocks are typical Butte quartz monzenite granite. The strike of the course of the vein is an easterly and westerly direction. The entire country rocks of vein and dyke material lying between the different veins are altered to a great extent, showing a heavy stain of oxidization on the surface along the length of the vein. The outcropping of the vein system of the Rising Sun and the Carrie quartz lode mining claims are the same as those well recognized veins which have been credit of the great ore bodies of the proven mines of the surrounding district, which is a great factor in favor of the properties and is further proof of the deep seated ore bodies at depth. Undoubtedly the properties are rich in complex metals as well as gold and silver.

There is no doubt in my mind that this formation in forming this rich strong vein structure was due to a heavy apalite intrusion of these dykes penetrating to the surface, therefore, causing fissures of the vein struction, through the country rock.

The apalite intrusion in the district has undoubtedly proved to be a big factor in making large mines of the Butte District.

At one time it was believed that the apalite formation was comparatively shallow, however, the findings of the writer are somewhat contradictory, as the writer having been given credit for discovery of the ore in the Highland Mine, at that time held by the Ardsley Butte Mines Company. The Ardsley Butte mine produced great ore tonnage of complex metals and showed that the vein did not pass out of the apalite dykes and proved the apalite formed the footwall of the Highland vein. This mine was recognized as being the largest producer of ores of complex metal of the district. Therefore, the apalite dykes it played in forming these veins was a great beneficiary to the mine and the part it played in mineralizing the vein structure in rich values.

These findings of the apalite formation in the Highland Mine should apply to the apalite formation of the Rising Sun and the Carrie veins of our district.

I may add a few lines regarding the shear zones of these properties in contact with the apalite dykes, etc., which is considered highly favorable for finding extensive ore bodies and increasing as depth is gained.

The writer having had an active part in opening up ore bodies in this district has gained the important related facts as stated above, and has taken advantage of his findings, acquiring the Rising Sun quartz lode mine and the Carrie quartz lode mining property, both in the same district, joining one another, under a very reasonable bond and lease agreement. The term of the lease bond and option on the properties runs from two to five years.

The applicant requests government assistance to drive a 200 foot crosscut to a lead-zinc-gold-silver vein on the Carrie and Rising Sun claims near Butte, Montana.

~~This work will test the vein~~

~~The an exit work~~

~~The vein~~

~~The proposed work will test for~~

~~explore the for~~

~~The surface ~~the~~ appearance~~ on the vein ~~suggests~~

The exposures along the vein at the surface indicate that commercial ore may be found at depth. Although the applicant implies that the vein is strongly oxidized, he also states that commercial ore ~~occurs~~ is exposed along the vein. ~~No There are no dumps~~ Apparently, ~~no or~~ ~~Ther~~ the ore has not been sampled, nor is ther any

known production from the old workings on the property.

The claims are in ~~area~~ the silver lode area of the Butte District. ~~and~~ ~~it~~ although the prospect is probably a precious metal proposition, we are unable from available information to ~~make~~ make any firm recommendation regarding the copper zinc possibilities of the property.

Inasmuch as the claims are near known producers in the Butte District we believe that the application should be referred to the field ~~for further~~ team for their review and recommendation.

The writer leased these properties for the purpose of carrying on mining operations to open up the ore bodies he believes present from all indications of surface ore findings on the properties. All indications warrant further development to ascertain whether or not commercial ore will be found and the quantity.

The writer is confident that if his present development program is completed, same being the driving of a 200 ft. crosscut through to open the ore bodies which show on the surface of the vein, that ore will be found of commercial value warranting the expenditure for same.

On the surface of the vein and on the hill side, heavy float material is scattered which has broken from the vein and shows a large deterioration has taken place on the surface of the vein structure. On the vein structure in a number of places ores of commercial value is shown which is further proof that the crosscut should open this grade of ore if not better.

These findings as related to the ore outcrops undoubtedly was the finding of the locator causing the properties to be located and patented by him, as the work on the property shows it was his intention to develop the property. His death prevented this development.

Respectfully submitted,

Al C Fisher

Al. C. Fisher
Mines & Mining.

Butte, Montana
March 10, 1952

DMEA-2484

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

[illegible]

[illegible]

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

APR 15 1952

Mr. [illegible] Johnson, Chairman
[illegible]
Defense Minerals Exploration Administration
Department of Interior
Washington 25, D. C.

Dear Mr. Johnson:

[illegible] copies of the application for exploration [illegible] Mr. [illegible] Fisher on the [illegible] property, [illegible] Mr. [illegible] from [illegible] of the application, or [illegible] application should be [illegible] by the [illegible] of [illegible]

[illegible] copy of the application was [illegible] for [illegible] in [illegible] of the property. [illegible] believe this [illegible] necessary.

Yours truly,

[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-2484
Metal or Mineral
Date Received 4-15-52
Amount $
Participation (Government %)

Riseing Sun
Quartz Lode Mining Property

Al C. Fisher
1520 Phillips Ave.
Butte, Montana

Name and address of applicant

Date March 19, 1952

If you have already filed MF-100, give date filed ....., type of assistance requested Exploration Aid Loan $15,000.00, cost of ore bin added $15,807.93

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

Exploration Aid Loan $15000.00

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. No other property will be involved

   (*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.

Department of the Interior
Defense Minerals Administration
RECEIVED
APR 15 1952

2. (*a*) What metals or minerals do you expect to find? Gold, Silver, Lead, Zinc and possibly copper at depth

   (*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 Yes

   (*b*) Purchased Yes

   (*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? If parties now interested approve of property, we will be able to provide for 50% of cost

    (*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.

Riseing Sun Property
(No Corporate Name)
(Name of company)

By _____
(Signature of authorized official)

March 19, 1952
(Date)

Recently General Manager & President
South Butte Mining & Milling Co. Inc.
(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

ANSWER SHEET TO BACK PAGE EXPLORATION PROJECT

3 - (A) Work on Rising Sun Mine Quartz Lode claim will be confined in driving a 200 ft. cross cut and installing necessary building to house compressor and blacksmith shop as all referred to in report and cost showing required expenditures to accomplish this 200 ft. cross cut and for sole purpose to reopen ore body, mine and extract ore and repay loan and cost for same. Please refer to cost sheet showing amount of monies required for mine program and development--total $14,896.40 (Fourteen thousand eight hundred dollars and forty cents)

Cost of installing electric power line for distance of approximately 3/4 mile at expense of $1000.00, and required deposit to Power Co. for their assurance for their power bill amounting to $900.00. This money will be refunded should we close down mine operations. In order to furnish transportation for men working at mine and to haul supplies will require ½ ton truck which will cost $1000.00. Cost for monthly electric current per month is unknown at this time.

(B)- I plan to start said mine operations on or before the 1st of April and sooner if possible if being granted the assurance of a Government reimbursement loan of 50% at our monthly cost of mine expenditures. Will have great bearing on how soon I will start operations on this property. I plan starting mine operations the 1st part of April.

4 - Map attached to application.

5 - At present there is no building on property. The only building required for to complete this work will be to house compressor and blacksmith. Later on it will require adding an ore bin to store and to dump ore in to truck for hauling. For time being to accomplish driving a 200 ft. cross cut. The ore bin will be of no value to mine development, however it will be required at mine when ore production starts. I am attaching a drawn bin sketch and cost sheet for same amounting to same.

7 - Operating equipment will consist of 210 cu. ft. air Compressor, will cost at price shown on cost sheet —$5,304.00. This can be purchased on conditional contract as follows: Under U. S. Government restriction requiring 1/3 cash down payment, balance to be divided in 12 to 18 equal payments monthly, added 6% interest carrying charge and cost insurance on same.

Items such as drill still & bits, jack hammers, air hose, water hose, mine cars, mine trucks, tools etc., generally require outright purchase.

8- 2 miners required including myself as well as my supervision over operations, making a total of 3 men per 8 hour shift unless I find it impossible to give my time to aid miners for my services and supervision. My wages will be over miner wage per 8 hour shift. So as not to allow myself to be on the same wage level as the men under my supervision and to hold the respect of the men working under me.

9 - Cost sheet showing each item will be attached to application. Assays will cost 2.50 each, and will require at least 4 assays daily when mining ore.

10 - We will be able to furnish our requirements of 50% of the total amount for cost of this program providing we are assured of Government reimbursement of our monthly expenditures as required by operations cost.

Yours very truly

Al C Fisher

Al C. Fisher

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-2484

Date received 4-15-52

Riseing Sun

Quartz Lode Mining Property

Requesting ~~$14,000.00~~ $15,000.00
Cost ore bin added ~~$15,807.93~~
Exploration Aid Loan

Name and address of applicant
Al. C. Fisher
1520 Phillips Avenue
Butte, Montana

Date March 19, 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) ~~XXXXXXXXXXXX~~ ~~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.

X
5

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: L
   - ☐ Owner.
   - ☒ Lessee.
   - ☐ Contractor.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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5. Number of years in production .....

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

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

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

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

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

March 19, 1952

Al. C. Fisher
1820 Phillips Ave.
Butte, Montana

1. (a) Lead, Zinc, Gold, Silver
   (b) Silica

2. Quartz Lode Mine
   (a) Unknown
   (b) Unknown
   (c) Unknown
   (d) Unknown ——Water drains from tunnel

3. (a) Butte, Montana—three and one-half miles
   (b) Grove Creek Mining District
   (c) SE, Sec. 21 & 22, Twpp 7, Rnt
   (d) Silver Bow County, Montana

4. (a) No
   (b) Lessee

5. Unknown—Approximately sixty days after work is started

6. Present Operator, many years active operation

7. (a) Refer to report
   (b) Orphan Girl, Hettie, many others

12. (b) Proper method will be followed—Ground permissible
    2.00/ per ton-regular ton

12. (c)
    (1-a) Unknown—unable to determine due to deep snow
    Considerable
    b) unknown at present
    c) to be determined when permissible
    shoe of vein
    d) unknown at present
    e) approximately 24, drift slope mining

(*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.

Rising Sun Quartz Lode Mining Property
(Name of company)

By Al C Fishy
(Signature of authorized official)

March 19 1952
(Date)

Recently Gen Mgr @ President South Butte Mining Co. Inc
(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

THIS AGREEMENT made and entered into this 15th day of March, 1952, by and between H. A. McDONALD HAGGIN, of Butte, Montana, party of the first part, and ALBERT C. FISHER, of Butte, Montana, party of the second part;

W I T N E S S E T H: That for and in consideration of the sum of One Dollar ($1.00), lawful money of the United States, in hand paid, the receipt whereof to hereby acknowledged, and for other valuable consideration and the performance of the agreements herein specified to be performed by the party of the second part, the party of the first part has leased, demised and let, and by these presents does lease, demise and let unto the said party of the second part, his heirs and assigns, the following described mining claim, situated in the Summit Mining District, Silver Bow County, Montana, to-wit:

Rising Sun Quartz Lode Mining Claim, Survey No. 6645, consisting of approximately 15.77 acres.

TO HAVE AND TO HOLD, all and singular, the property rights hereinabove mentioned, for a period of two (2) years from and after the date hereof, and as long thereafter as minerals are produced in paying quantities therein, unless forfeited or terminated by reason of the violation of any of the covenants or agreements of said party of the second part hereinafter contained, with full right in said party of the second part, his heirs and assigns, to mine and extract ore from said described premises, or any part thereof.

Said party of the second part covenants and agrees with the party of the first part as follows:

That he will begin mining operations on said premises on or before May 1st, 1952, and continuously thereafter during the existence of this lease will do and perform or cause to be done and performed at least 20 shifts of labor during the month of May, 1952, and at least 30 shifts of labor during each calendar month thereafter.

That all work done upon said premises will be performed in a good workmanlike and minerlike manner and in accordance with good mining practice and that all new workings will be safely and properly timbered where required and all old workings requiring timbering to be safely worked hereunder will be properly timbered and cared for.

That he will, at his own expense, apply for and obtain Industrial Accident Insurance covering indemnity in the event of injury to any persons employed in or about said premises.

That he will not do, nor permit anything to be done, which will in any manner subject the parties of the first part to any liability as the result of mining and/or milling operations carried on hereunder; and that he will not suffer, now permit, the placing of any liens against said premises as the result of failure on his part to pay for all labor expended and equipment or materials used upon said premises.

That he will cause to be posted upon said premises a notice to the effect that he solely is responsible for the operation of said premises and responsible for all operations carried on therein.

To permit said party of the first part, or her authorpzed agent or agents, at any and all reasonable times and/or hours, to enter upon said premises and inspect the same, and for that purpose hereby grants her the right to use any and all drifts, tunnels, shafts, or passageways, and also any and all equipment upon said premises necessary for said purpose.

To pay to the party of the first part from the net smelter returns of each and every lot of ore or concentrates shipped hereunder, and from the premium price payments if any, a royalty of 15%.

By net smelter returns is meant the full value of the ore or concentrates as determined by the smelter after the charges for transportation, smelting, sampling and umpire assaying have

first been deducted and the metal deductions made in accordance with the custom treatment rates and basis of settlement then effective.

Payment of royalties shall be made by the mill or smelter treating or purchasing said ores directed to the party of the first part at her residence, 733 Maryland Avenue, Butte, Montana. In case the party of the second part shall receive any other amount from the sale of such ores over and above the settlement made by the mill or smelter said party of the second part shall pay to the party of the first part the same percentage of such additional receipts as specified for the lots for which settlement is made. With the payment of such additional royalty the party of the second part shall submit to the party of the first part at her residence, 733 Maryland Avenue, Butte, Montana, a statement showing the lot for which the additional payment was received, together with proof of the amount of such additional payment. All payments of royalty shall be applied upon the purchase price of said premises as provided for in the option hereinafter set forth.

That failure on the part of the party of the second part to abide by his covenants and agreements herein contained shall confer upon the party of the first part the right, at her election, to declare this agreement forfeited, and, after 30 days after the service of written notice of her intention to do so, upon the party of the second part, to enter upon and take possession of the herein demised premises and personal property.

That the said party of the second part shall have the right to remove from said premises any mining and/or milling machinery placed thereon by him, such removal to be made within 30 days after the expiration of the term herein mentioned, or within 30 days after the service of a notice of declaration of forfeiture hereof by said first party, but it is expressly agreed

and understood between the parties hereto that all water and/or air pipes, tracks and/or buildings placed thereon by the party of the second part shall become the property of the party of the first part and shall remain upon the premises.

PARTY OF THE SECOND PART TO PAY TAXES AND ASSESSMENTS. The party of the second part, in addition to paying the royalty herein stipulated, shall pay before the same becomes delinquent all taxes and all assessments which, during the term thereof, may be lawfully levied or assessed against said mining claim and premises and upon all structures and improvements, equipment and other property erected, constructed, installed and/or used by the party of the second part in connection with the exercise of the rights herein granted, and shall also pay when due all occupation, license and output taxes upon all ores or minerals extracted from said premises or resulting or growing out of the mining operations of the party of the second part upon said premises. The party of the second part, upon the payment of such taxes and assessments, shall promptly furnish the party of the first part with satisfactory evidence of such payment.

That any failure to abide by the terms hereof, on the part of the party of the second part, if caused by strikes, floods, fires, Act of God, or any other means beyond the control of said party of the second part, shall not be grounds for declaring a forfeiture of this agreement.

In Consideration of the foregoing provisions and the sum of One Dollar ($1.00), lawful money of the United States, in hand paid, the receipt whereof is hereby acknowledged, the said party of the first part does hereby give and grant to the said party of the second part the right and privilege of purchasing all of the mining property and premises hereinabove described upon the following terms, to-wit:

The purchase price of said property shall be the sum of Five Thousand Dollars ($5,000.00), payable as follows:

On or before the 15th day of April, 1952, the sum of $250.00.

On or before the 15th day of each and every month thereafter until the full purchase price of $5,000.00 is paid, a sum not less than $250.00. If the royalties from said ores for each calendar month do not equal the sum of $250.00 a minimum payment of $250.00 must be paid upon the purchase price.

In case said party of the second part shall fail to make any payment of the purchase price within the time and manner foregoing specified, then the option to purchase herein contained, together with this lease, shall cease and terminate and thereafter shall be null and void and the said party of the first part shall thereupon become entitled to immediate possession of the leased premises, and any and all payments made to the said party of the first part as fixed, determined and liquidated damages and as rental for the use of the premises described herein without claim or demand of the party of the second part.

When the party of the second part shall have made the payments due upon the purchase price as herein set forth in the sum of Five Thousand Dollars ($5,000.00) the said party of the first part shall cause to be executed a good and sufficient deed of conveyance conveying said mining claim and premises together with the improvements and appurtenances to the said party of the second part free and clear from all incumbrances.

It is agreed between the parties hereto that the party of the second part shall not assign this lease or option or any interest therein, or sub-let the same or any part thereof, without first obtaining the written consent of the party of the first part.

The covenants, agreements and conditions of this agreement shall be continuing ones, and any forbearance of the said party of the first part to enforce a forfeiture on the occasion

of one or more breaches thereof shall not be construed as a waiver of the right to enforce such forfeiture for any subsequent breach.

Time is of the essence of this agreement, and all of the terms provisions and conditions of this agreement shall extend to and be binding upon the heirs, legal representatives, successors and assigns of the respective parties hereto.

IN WITNESS WHEREOF, the said parties have hereunto set their hands and seals the day and year first above written.

Signed - H. A. McDonald Haggin

Party of the First Part

Signed - Albert C. Fisher

Party of the Second Part.

STATE OF MONTANA,
ss:
COUNTY OF SILVER BOW.

On this 15th day of March, 1952, before me, ALF C. KREMER, a Notary Public for the State of Montana, personally appeared H. A. McDONALD HAGGIN and ALBERT C. FISHER, known to me to be the persons whose names are subscribed to the foregoing instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Notarial Seal on the day and year in this certificate above written.

Signed - Alf C. Kremer
NOTARY PUBLIC for the State of Montana,
residing at Butte, Montana.

My commission expires Sept. 11, 1954.

RISING SUN & CARRIE QUARTZ LODE CLAIMS

Brief Geology Report.

The general geology of the Butte District has been covered thoroughly by Walter Harvey Weed in the U. S. Geology as shown by professional papers, Bulletin #74, and by other writers, therefore no special references are considered necessary; however, I will relate a brief report of findings of this property.

The country rocks are typical Butte quartz monzenite granite. The strike of the course of the vein is an easterly and westerly direction. The entire country rocks of vein and dyke material lying between the different veins are altered to a great extent, showing a heavy stain of oxidization on the surface along the length of the vein. The outcropping of the vein system of the Rising Sun and the Carrie quartz lode mining claims are the same as those well recognized veins which have been credit of the great ore bodies of the proven mines of the surrounding district, which is a great factor in favor of the properties and is further proof of the deep seated ore bodies at depth. Undoubtedly the properties are rich in complex metals as well as gold and silver.

There is no doubt in my mind that this formation in forming this rich strong vein structure was due to a heavy apalite intrusion of these dykes penetrating to the surface, therefore, causing fissures of the vein struction, through the country rock.

The apalite intrusion in the district has undoubtedly proved to be a big factor in making large mines of the Butte District.

At one time it was believed that the apalite formation was comparatively shallow, however, the findings of the writer are somewhat contradictory, as the writer having been given credit for discovery of the ore in the Highland Mine, at that time held by the Ardsley Butte Mines Company. The Ardsley Butte mine produced great ore tonnage of complex metals and showed that the vein did not pass out of the apalite dykes and proved the apalite formed the footwall of the Highland vein. This mine was recognized as being at one time the largest producer of ores of complex metal of the district. Therefore, the apalite dykes it played in forming these veins was a great beneficiary to the mine and the part it played in mineralizing the vein structure in rich values.

These findings of the apalite formation in the Highland Mine should apply to the apalite formation of the Rising Sun and the Carrie veins of our district.

I may add a few lines regarding the shear zones of these properties in contact with the apalite dykes, etc., which is considered highly favorable for finding extensive ore bodies and increasing as depth is gained.

The writer having had an active part in opening up ore bodies in this district has gained the important related facts as stated above, and has taken advantage of his findings, acquiring the Rising Sun quartz lode mine and the Carrie quartz lode mining property, both in the same district, joining one another, under a very reasonable bond and lease agreement. The term of the lease bond and option on the properties runs from two to five years.

The writer leased these properties for the purpose of carrying on mining operations to open up the ore bodies he believes present from all indications of surface ore findings on the properties. All indications warrant further development to ascertain whether or not commercial ore will be found and the quantity.

The writer is confident that if his present development program is completed, same being the driving of a 200 ft. crosscut through to open the ore bodies which show on the surface of the vein, that ore will be found of commercial value warranting the expenditure for same.

On the surface of the vein and on the hill side, heavy float material is scattered which has broken from the vein and shows a large deterioration has taken place on the surface of the vein structure. On the vein structure in a number of places ores of commercial value is shown which is further proof that the crosscut should open this grade of ore if not better.

These findings as related to the ore outcrops undoubtedly was the finding of the locator causing the properties to be located and patented by him, as the work on the property shows it was his intention to develop the property. His death prevented this development.

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Respectfully submitted,

Al C Fisher

Al. C. Fisher
Mines & Mining.

Butte, Montana
March 10, 1952

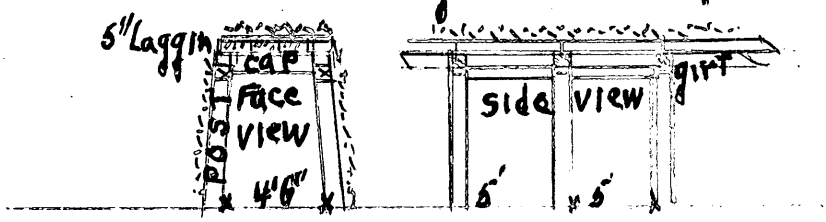
Cost Sheet of Crosscut Development of Rising Sun Mine.

The work will be confined to driving a proposed 200 ft. cross cut as shown on mine sketch and will be driven so that where the vein and ore body is opened it will give us a back of ore 75 ft. over drift timbers to permit stoping of ore at the least cost possible.

The time required to complete this work is about 60 days and the cost will amount as follows:

Allowing day wages for 2 miners per 8 hr. shift $14.00 each or $28.00 for a period of 60 days	$ 1,680.00	
Allowing for 1½ shift for 6th day of every week - 10 days	140.00	
Allowing Al. C. Fisher, Supervision - aiding with work $15.00 per day, time and half for 10 days..	975.00	
		$2,975.00

Sketch showing Timber Sets for Cut



Cost for mine timber of 200 ft. cross cut.

Allowing - 2 timbers 7' x 10" posts and 3'6"x10" drift cap. " 1 timber 18' x 10" will cut 2 posts and 1 cap or one set at $2.00 a timber will require 40 mine timbers	$. . 80.00	
Allowing 1 - 18 ft. x 6" timber cut 4 mine girts sufficient for 2 drift sets or 20 sets amounting to 20 timbers at $1.25	$ 25.00	
Allowing 5' length lagging to 1 drift set will require 2 pieces 3" thick by 5' length x 12" wide and 1 piece likewise 6" in width or 45 ft. to a set - for 40 sets 1800 ft. at $110.00 per 1000 ft.	$ 198.00	
		$ 303.00
Will require 100 pieces 3" x 5' x 6" mine track ties or 300 ft. at $110.00	$ 33.00	

Cost of Hardware

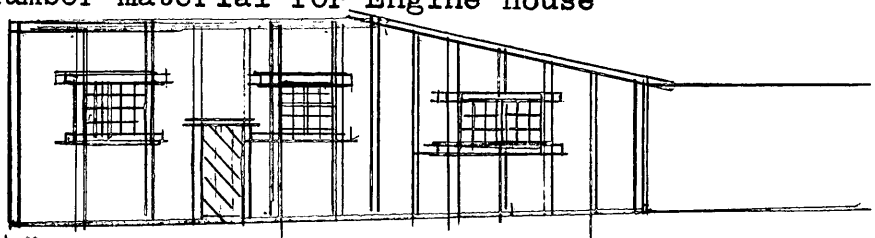
500' of 16# steel track rails or 9000# at $150.00 per 1000 ft	1,350.00 *	
20 sets of steel fish plates at .46 cents a set	9.20	
20 sets of steel fish plates bolts and nuts at 20 cents per pound	4.00	
80 pounds of track spikes at 40 cents a pound . .	32.00	
300 pounds mixed nails (60) - 40 - 80 at 8 cents a lb.	24.00	
		$1,419.20

$4,550.20

Tools

1 carpenter hand saw at $4.25	$ 4.25	
1 - 6 ft. mine hand saw $3.00	3.00	
6 mine drift picks and handles $3.50 each	21.00	
6 round point shovels 3.00 each	18.00	
6 square " " 3.00 each	18.00	
Misc. tools	20.00	
		$ 144.25

Cost for lumber-material for Engine House



14 pieces 2" x 4" x 10' studdings for both ends -	98 ft.
6 " 2" x 4" x 10' " " front ends	70 ft.
6 " 2" x 4" x 8' " " back	56 ft.
Rafters 9 pieces 2" x 6" x 16'	144 ft.
	368 ft.
9 pieces 2" x 6" x 14' Floor sills	126 ft.
18 pieces 2" x 22" x 14' Flooring	504 ft.

Board Sheeting

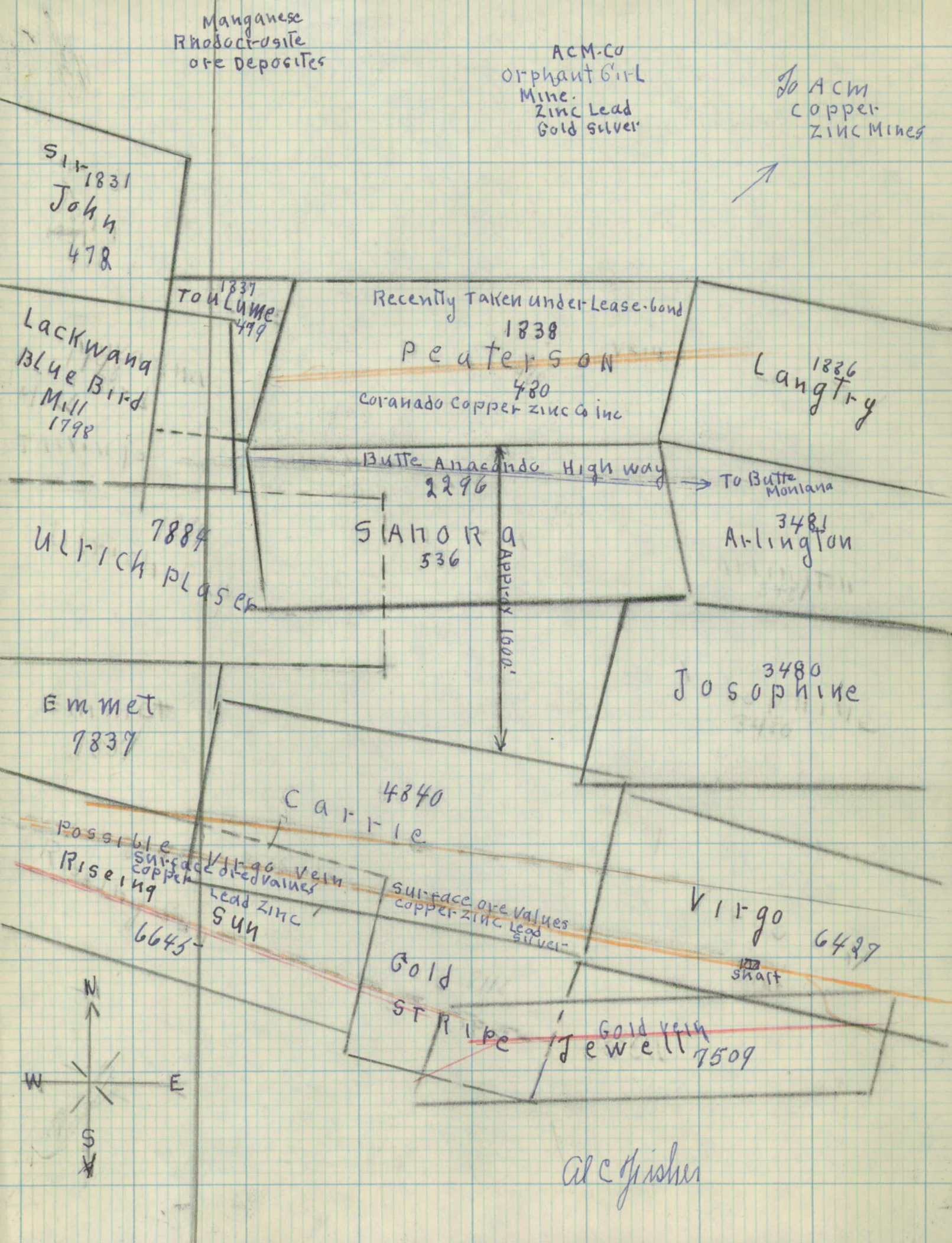
Front	140 ft.	
Back	122 ft.	
2 Ends	280 ft.	
Roofing	320 ft.	
Total lumber 1860 ft. at $110 a 1000 ft.	1,860 ft.	$204.60

4 sets windows each at $6.00	24.00	
2 single doors " " 5.00	10.00	
2 door locks " " 2.00	4.00	
12 rolls two roofing-building paper @ $2. per roll	24.00	
100# mixed nails at 8 cents a pound	8.00	$ 274.60

Blasting chart
Tunnel face view

Cost for powder - caps - fuse.		$ 4,969.05
To break ground for 5 ft. advance and cut, will require 10 holes 4 ft. deep to each round fired will require 4 sticks powder 40% to each hole, 10 holes to 1 round will require 40 sticks, for 200 ft. of cross cut it will require 40 rounds, amounting to 1600 sticks or 320 lbs. at 22 cents a pound	$ 70.40	
		70.40
		$ 5,039.45
400 blasting caps - sells at 1000 to box	$ 21.50	
Blasting fuse 8 ft. to hole amounting to 3200 ft. sells per roll $13.70 a thousand ft. - 3 rolls	41.10	
		62.60
Equipment		
1 - 210 cu.ft. Electric drivers Air Compressor This compressor is now available at Butte Machinery Co.	5,380.00 *	
1 Jack Hammer - New	300.00	
1 - 50 ft. Rubber air hose with speed connections complete	30.00	
1 - 50 ft. Rubber water hose with speed connections complete	30.00	
4 - sets 4 piece drill steel sets at $30.00 a set	120.00	
80 drill bits each at .49 cents	39.20	
1 - 3/4 ton steel roller bearing mine car	250.00 *	$ 6,149.20
Miscellaneous Costs.		
Installing 3/4 mile Electric Power Line	1,000.00 *	
Advance deposit to Power Co.	700.00	
Advance payment State Ind. Accident Board Ins. on men	250.00	
Will require 1½ ton truck hauling merc. and supplies to mine	1,000.00 *	
Cost for Att'y fees, Incorporating Co. - Filing papers, etc.	300.00 *	
		$ 3,250.00
		$ 14,501.25
		1,306.68
		$ 15,807.93

Capitalization of Sun Rise Mining Co., Inc.


Manganese
Rhodocrosite
ore Deposites
ACM-Co
Orphant Girl
Mine.
Zinc Lead
Gold silver
To ACM
copper
Zinc Mines
Sir John
1831
478
Lackwana
Blue Bird
Mill
1798
To Lume
1837
499
Recently Taken under Lease-bond
1838
Peterson
480
Coranado copper zinc Co inc
Langtry
1836
Butte Anaconda High way
2296
To Butte
Montana
Ulrich placer
7884
Sianora
536
Arlington
3481
Approx 1600'
Emmet
7837
Josophine
3480
Carrie
4840
Possible surface Virgo vein
copper
Lead zinc
Rising
Sun
6645
surface ore values
copper zinc Lead
silver
Virgo
6427
shaft
Gold
Strike
Gold vein
Jewell
7509
N
W
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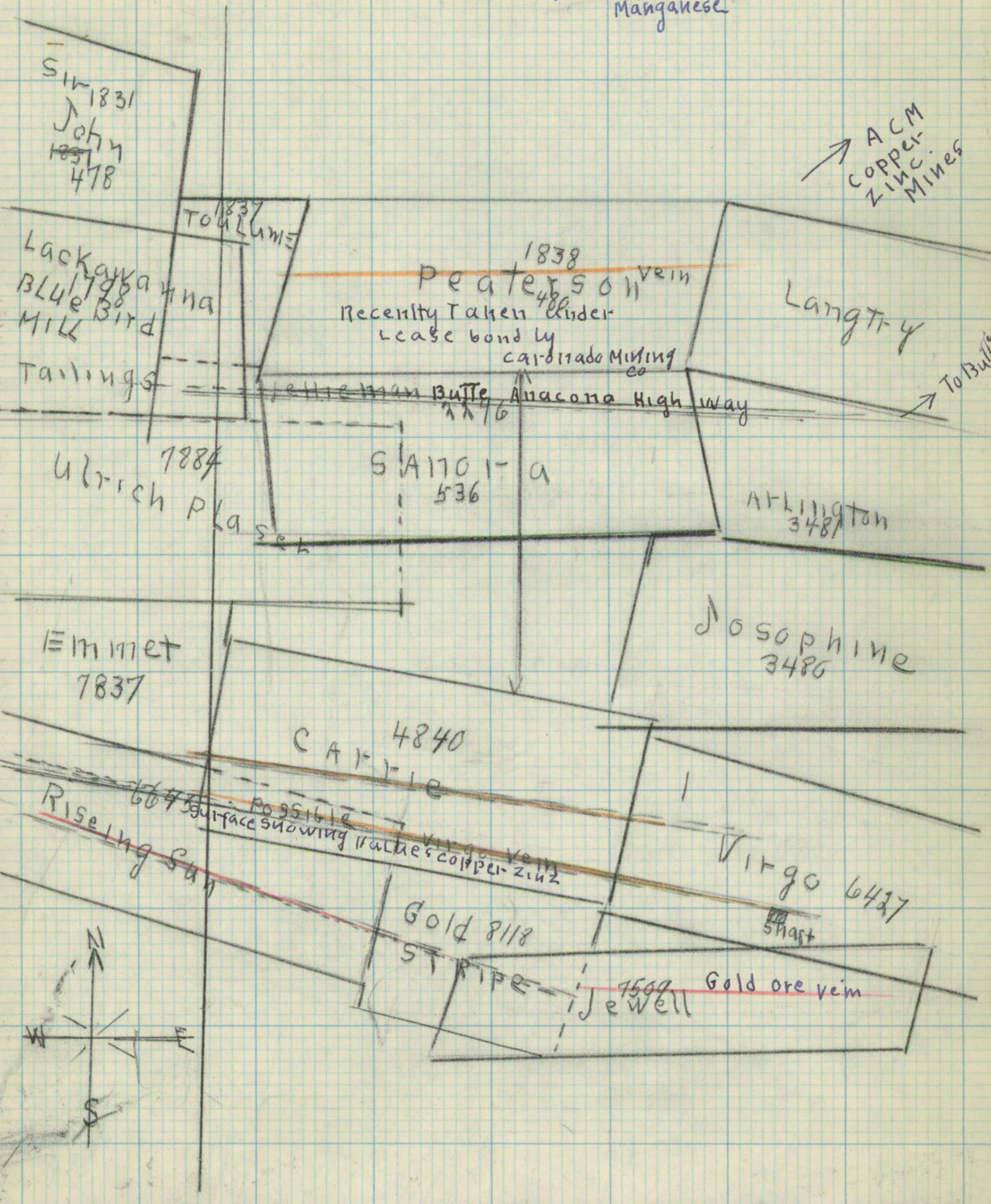
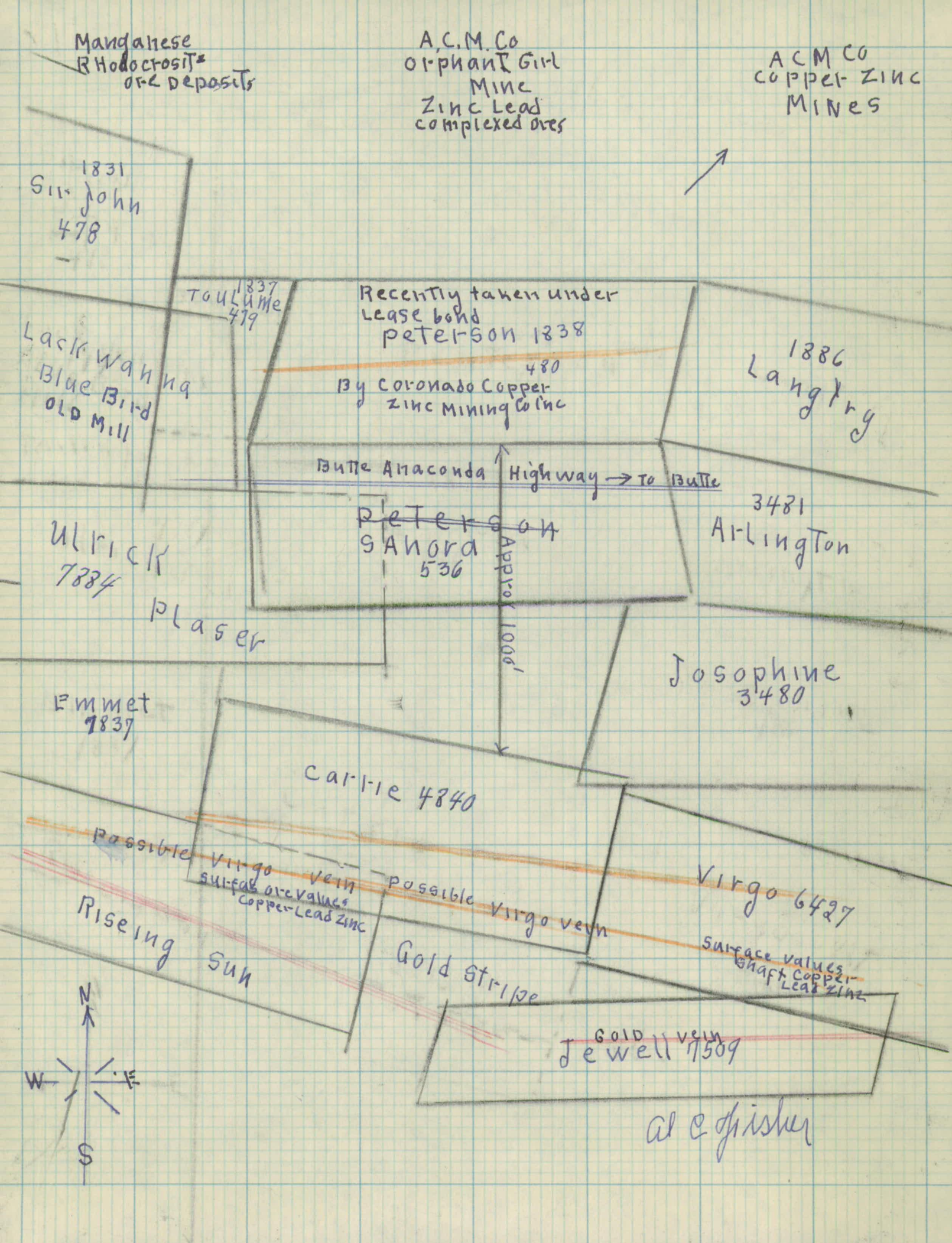
Al C Fisher

Manganese
Rhodochrosite
ore Deposits

Orphant Girl
Mine of ACM Co
complexed ores
Lead-zinc copper
Gold Silver-
Manganese




Manganese
Rhodocrosite
ore deposits
A.C.M. Co
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Mines
1831
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Recently taken under
Lease bond
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zinc Mining Co Inc
1886
Langley
Lackwanna
Blue Bird
Old Mill
Butte Anaconda
Highway → To Butte
~~Peterson~~
Sahora
536
Approx 1000'
3481
Arlington
Ulrick
7884
Plaser
Josophine
3480
Emmet
7837
Carlie 4840
Possible Virgo vein
Surface ore values
Copper-Lead zinc
possible Virgo vein
Virgo 6427
Surface values
Shaft Copper-
Lead zinc
Riseing Sun
Gold Stripe
Gold vein
Jewell 7509
N
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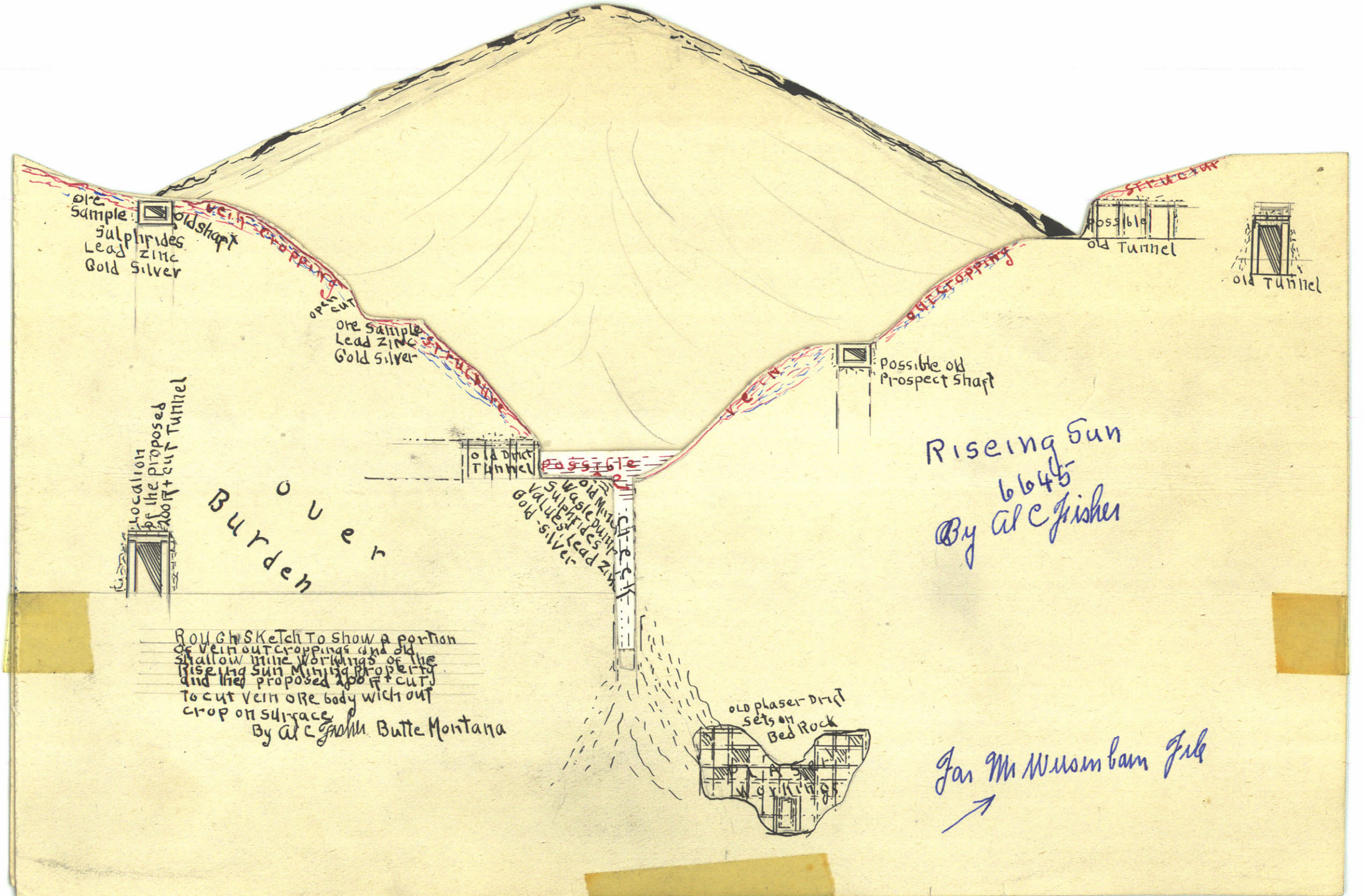
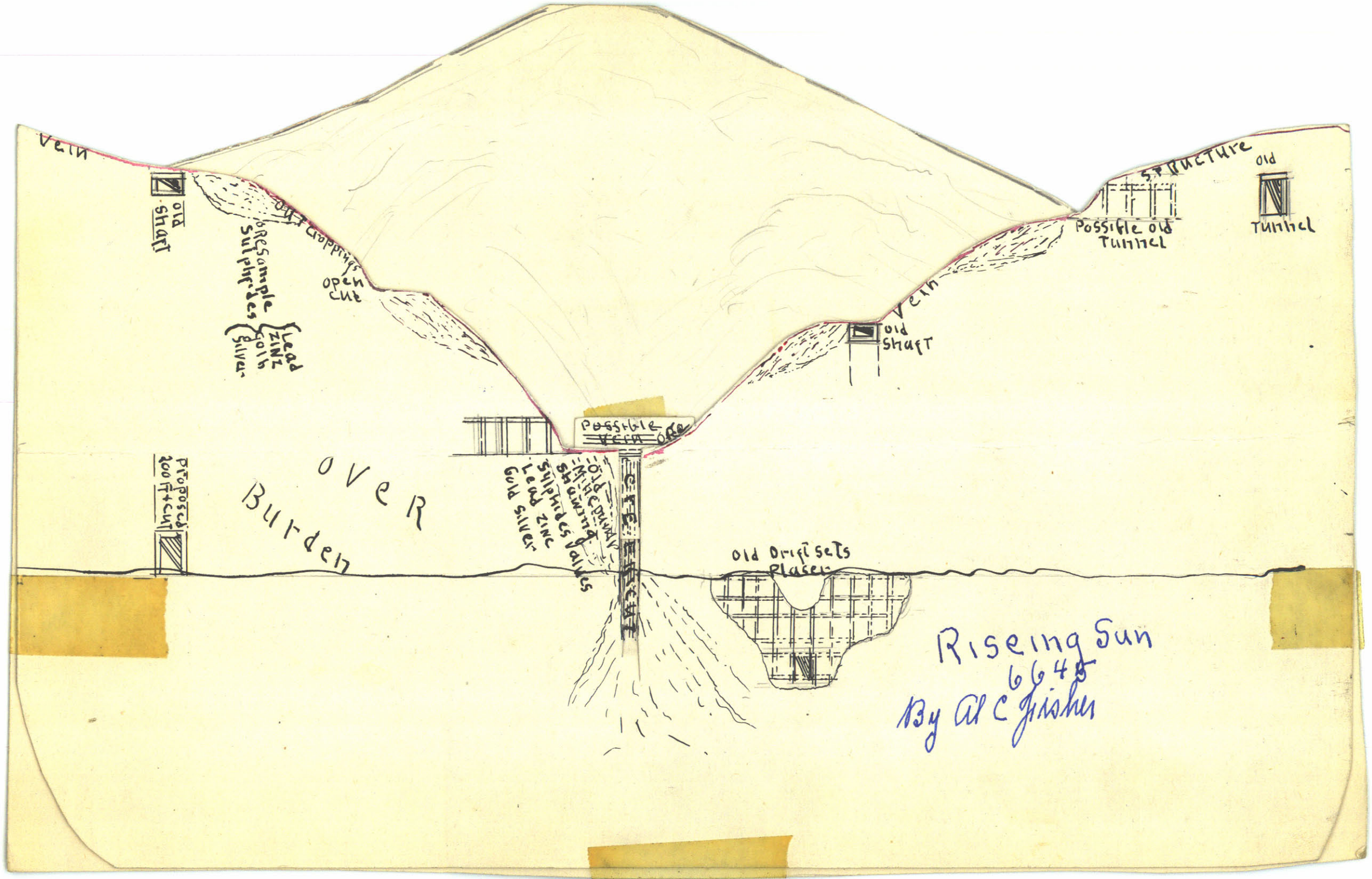
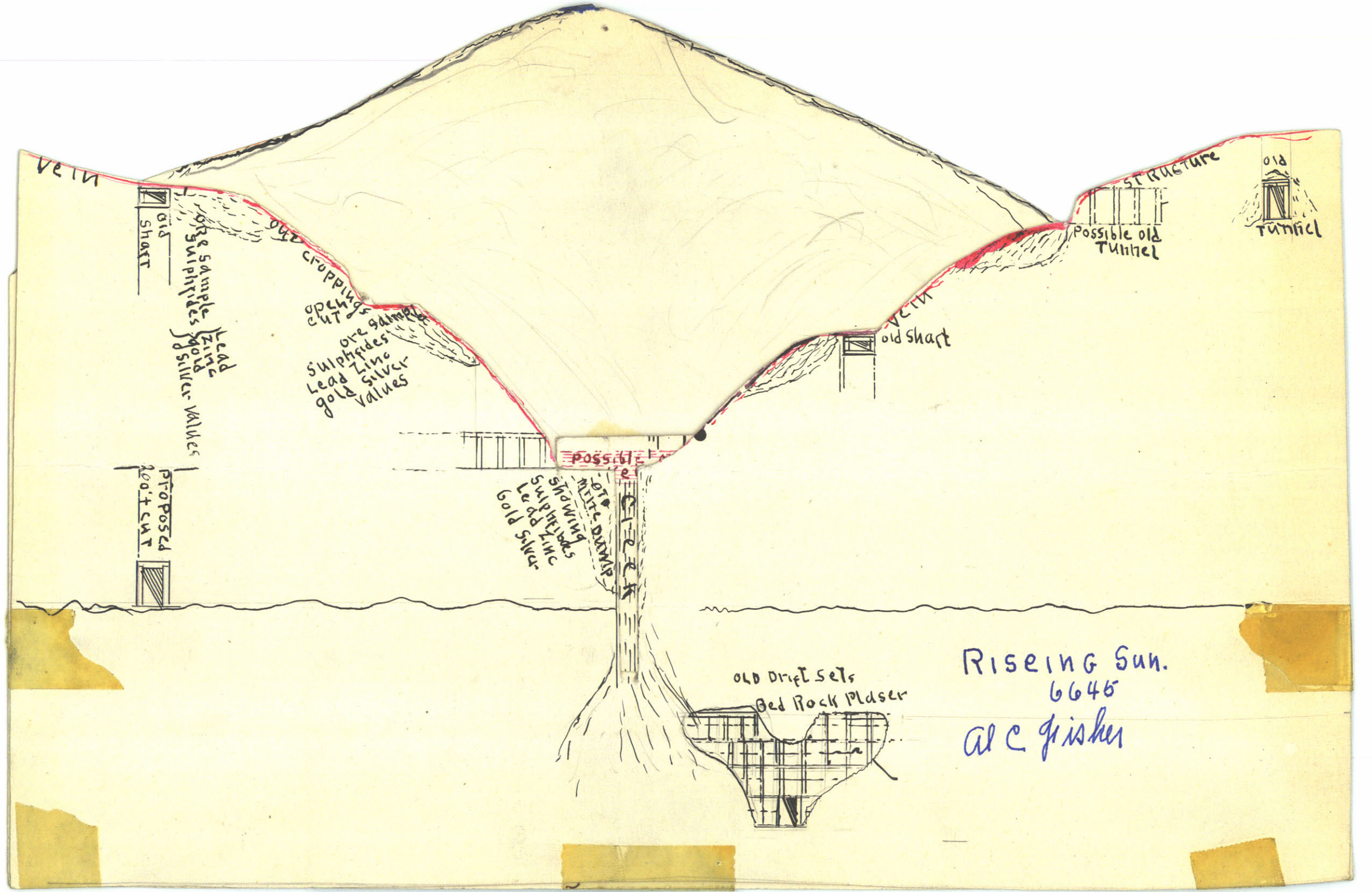
Al C Fisher



Rough Sketch to show a portion of vein outcroppings and old shallow mine workings of the Rising Sun Mining Property and the proposed 200 ft cut to cut vein ore body with out crop on surface
By Al C Fisher Butte Montana


Vein
old shaft
Ore sample
Sulphides
Lead
Zinc
Gold
Silver
Out Croppings
open cut
Vein
old shaft
Possible old Tunnel
Structure
old
Tunnel
Possible Vein Offset
Old Drift showing
Sulphides values
Lead zinc
Gold silver
Proposed 200 ft cut
Over Burden
Old Drift sets
Placer
Rising Sun
6645
By Al C Fisher

you will note The steep Hill or
Mountain wich no doupt The
water comming off it has a
Great factor in Vein Deter-at-
ion-and bering washed away
And no doup has had a Great
Dealin adding Gold Values
in plaser-diggings
considering the Mountain at
one Time was Higher-then at
Present This Applies To vein
A.L.F.


Vein
Old Shaft
Ore sample Sulphides Lead Zinc Gold Silver Values
Old Croppings
Open Cut
ore sample Sulphides Lead Zinc Gold Silver Values
Proposed 200' Cut
Possible
Showing Sulphides Lead Zinc Gold Silver
Creek
Old Drift Sets
Bed Rock Placer
Vein
Old Shaft
Structure
Possible Old Tunnel
Old
Tunnel
Riseing Sun.
6645
Al C Fisher

Please note the steep Hill or Mountain which no doupt the water comming of the Hill washing while crossing the vein has has a great factor in the deteration of vein material washing it away and the values from the vein no doupt has had a great part in adding gold values as placer diggings take in consideration the Hill or Mountain was at one time higher then it is today and same applies to vein. And is a factor of exposeing ore on vein on the surface. ACF.