DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

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DMA Docket No. 3487

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Cys to USBM & USGS

Routing Slip

To:	500	Date	9/16/54
To:	Op. Comm.	Date	10/19/54
To:	Oper Com	Date	10-20-54
To:	Oper Com	Date	1-28-55
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CONTROLLED DOCUMENT

File Copy
Surname
J. All
Hedges
Newcomb
Selfridge
H. Johnson

500

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

JAN 31 1955

Messrs. Philip E. Day and Emil Sandor
Box 274
Independence, California

Re: Docket No. DMEA-3487 (Copper)
Philip E. Day & Emil Sandor
Montana Claims
Inyo County, California

Gentlemen:

Your application for aid for an exploration project and other reports available to us in Washington concerning your application have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information, although noting a small amount of marginal ore on your claims, indicates to us that the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your property to our attention.

Sincerely yours,

C. O. Mittendorf

WRGriswold/bjl (1/27/55)

Administrator

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. Volin
Mr. Kiilsgaard
Region II (2)
Chron.

R.C.B.

500

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

January 27, 1955

Memorandum

To: Administrator

From: Chief, Base Metals Division

Subject: Denial of Application Docket No. DMEA-3487, Philip E. Day and Emil Sandor (Partners), Montana Claims, Inyo County, California (Copper)

The cited application, dated September 4, 1954, was submitted to this Division on September 17, 1954. On October 21, 1954, the application was referred to the Executive Officer, Region III, for additional information from the Applicants or for a field examination if necessary.

The Applicants proposed to drive 1,000 feet of tunnel and roughly estimated that the work would cost $50,000.00.

An examination of the property was made by the Field Team on November 9, 1954, and their report was received by this office on January 5, 1955.

According to the Field Team's report, the copper-bearing, garnetiferous tactite bodies, exposed on the Montana claims, are small pod-like masses that average less than 2.0 per cent copper. There are no known minable copper deposits in the district, although it is an old and well prospected area. There is no geologic evidence to indicate the presence of deposits of larger size or higher grade in the ground that was proposed to be explored by the Applicants.

We concur with the recommendations of the Field Team and the Commodity members of the USBM and USGS that this application be denied.

W. R. Griswold

W. R. Griswold

File Copy
Surname
J. Wl.

500

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

January 27, 1955

Memorandum

To: Administrator

From: Chief, Base Metals Division

Subject: Denial of Application Docket No. DMEA-3487, Philip F. Day and Emil Sandor (Partners), Montana Claims, Inyo County, California (Copper)

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We concur with the recommendations of the Field Team and the Commodity members of the USBM and USGS that this application be denied.

W. R. Griswold

W. R. Griswold

JWAlt/bjl (1/27/55)

Copy to: Docket
Base Metals
Chron.

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

Office of the Director
Defense Minerals Administration
RECEIVED
JAN 25 1955

January 24, 1955

Memorandum

To: E. W. Ellis, DMEA

From: Helena M. Meyer, Branch of Base Metals

Subject: Concurrence with Field Team recommendation for denial, DMEA - 3487, P. E. Day and E. Sandor, Montana Claim, Inyo County, California

The Field Team report indicates that the copper-bearing, garnetiferous tactite bodies exposed on the Montana Claims are small pod-like masses that average less than 2 percent copper, also that there are no known minable copper deposits in this old and well-prospected area, and that there is no geologic evidence to indicate the presence of deposits of larger size or higher grade in the ground that was proposed to be explored by the applicant.

In view of the foregoing I concur with the Field Team that this application should be denied and so recommend.

Helena M. Meyer

Helena M. Meyer

Copy to: Division of Minerals
Branch of Base Metals
H. M. Meyer
F i l e s

IN REPLY REFER TO:

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

Department of the Interior
Defense Minerals Administration
RECEIVED
JAN 14 1955

alt

January 13, 1955

Re: DMEA-3487
P. E. Day & E. Sandor
(Montana Claim)
Inyo Co., California
$50,000 - Copper

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: E. L. Newcomb, U. S. Geological Survey

Subject: Concurrence with Field Team recommendation for denial

Copper mineralization on the Montana claim is limited to small zones and pods in garnet-epidote tactite bodies along a limestone-quartz monzonite contact. The nature of these deposits indicates that significant amounts of copper ore are unlikely to be found by further exploration on the Montana.

I concur with the Field Team's conclusions, and recommend this application be denied.

E. L. Newcomb

E. L. Newcomb

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

Defense Minerals Administration
RECEIVED
DEC 27 1954

420 Custom House
555 Battery Street
San Francisco 11, California

December 21, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-3487 (Copper)
Philip E. Day and Emil Sandor (Partners)
Montana Claim
Inyo County, California

We are enclosing the original and three copies of a joint examination report, dated December 16, 1954, on the above-subject property, by H. K. Stager of the Geological Survey, and B. H. Sheahan of the Bureau of Mines.

According to the report the copper-bearing, garnetiferous tactite bodies, exposed on the Montana claims, are small pod-like masses that average less than 2.0 percent copper. There are no known minable copper deposits in the district although it is an old and well prospected area. There is no geologic evidence to indicate the presence of deposits of larger size or higher grade in the ground that was proposed to be explored by the applicant.

Roscoe Smith and I concur with the recommendations made in the report and believe that the application for exploration assistance should be denied.

S. Ricker
Executive Officer
DMEA Field Team, Region III

Attachments

Copy to: R. M. Smith-USGS
A. C. Johnson-Reno, Nevada

Reviewed by
DMEA OPERATING COMMITTEE
1-5-55
(date)

1/6/55 Received by J. M. G.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 27 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA-3487, Montana Claim

Inyo County, California

(Copper)

Benjamin H. Sheahan, Mining Engineer
U. S. Bureau of Mines

Harold K. Stager, Geologist
U. S. Geological Survey

December 16, 1954

Reviewed by
DMEA OPERATING COMMITTEE
1-5-55
(date)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 27 1954

EXAMINATION REPORT

Docket No.: DMEA-3487 (Copper)

Name and address of applicant: Philip E. Day and Emil Sandor (partners)
P. O. Box 274
Independence, California

Name and location of property: Montana Claim
Inyo County, Calif.

SUMMARY

The Montana claim, a copper prospect, is located 12 miles northeast of Independence, Inyo County, Calif. The property includes four unpatented mining claims which were explored during the period 1915 to 1918. The claims were relocated in 1951, and an application was filed in 1954 by the owners to explore for copper mineralization with Government assistance under a DMEA loan.

Development work on the property includes several prospect pits and less than 300 feet of underground workings (see attached sketch map). An attempt was made to mine ore from the Montana claim during the first World War period, however, the venture was not successful.

The copper deposits consist of small pods of garnet-epidote tactite which contain thin films and veinlets of chrysocolla and other secondary copper minerals. The best sample from across 8 feet of copper-bearing material exposed in a pillar contained only 2.5% copper. There are no ore reserves on the property.

Reviewed by
DMEA OPERATING COMMITTEE
1-5-55
(date)

There are no surface improvements on the property. The applicants own no mining equipment, and lack an exploration objective. They also lack the ability and money to contribute to an exploration project.

CONCLUSIONS AND RECOMMENDATIONS

The copper-bearing, garnetiferous tactite bodies, exposed on the Montana claims, are small pod-like masses that average less than 2.0 percent copper. There are no known minable copper deposits in the district although it is an old and well prospected area. There is no geologic evidence to indicate the presence of deposits of larger size or higher grade in the ground to be explored by the proposed program.

The examining engineer and geologist recommend that Government assistance under the DMEA program be denied.

TIME SPENT ON PROPERTY

The property was examined on November 9, 1954 by an engineer of the Bureau of Mines and a geologist of the Geological Survey. They were accompanied by Philip Day, owner, and Charles Kline, an owner of adjoining claims.

NAME AND LOCATION OF PROPERTY

The Montana group of four unpatented mining claims are located in sec. 25, T. 12 S., R. 35 E., M.D.B.&M., Inyo County, Calif., at an altitude of approximately 6,000 feet in the Inyo mountains. Mt. Whitney Quadrangle sheet by the U.S. Geological Survey shows the topography of the area.

ACCESSIBILITY

Roads to the property are fair. The property is reached from Independence, Calif., by following a paved road 4.5 miles through Kearsarge Station and following a gravel road northeasterly 6.7 miles in Mazourka Canyon. The claims are reached by way of a trail 0.8 mile westerly from the Mazourka Canyon road. The total distance by road and trail from Independence, Calif., is 12 miles.

COMPETENCY OF APPLICANT

Very little work has been done on the property since 1918. Mr. Day and Mr. Sandor have held the claims for several years but have completed little or no exploration or development work. Only the minimum requirements of location and assessment work have been done.

Mr. Day and Mr. Sandor do not have the capital to provide for their share of an exploration loan, and there is no equipment on the property.

The competency of the applicant was judged to be poor by the examining engineer and geologist.

APPLICANTS PROPERTY RIGHTS

The Montana claims were located by the applicants in January 1951, and location certificates were reported to be recorded at the county courthouse in Independence, California in Vol. 62, page 252; vol. 64, page 116; and vol. 67, pages 548 and 549.

DESCRIPTION OF PROPERTY

The workings include several short adits and prospect pits. The workings are open and required no timber for ground support. Existing development is indicated on the attached sketch map.

There is no mining equipment on the property. Mr. Day lives in a cabin in Mazourka Canyon, two miles south of the claims.

GEOLOGY

Copper-bearing contact-metamorphic rocks occur in limestone at a number of places along the contact of intrusive quartz monzonite west of Mazourka Canyon, Inyo County, Calif. The geology of this district, which includes the area of the Montana claims, has been described in detail by Knopf [1/]. The limestone underlying most of the area covered by the Montana claims is a dense, gray, fine-grained rock that strikes N. 33° E. and dips from 25 to 40 degrees northwest. Interbedded with the limestone are thin beds of light-buff to pale-green, fine-grained, banded hornfels. Underlying and intruding the limestone is a light gray, medium-grained quartz monzonite. Along the contact of the limestone with the main igneous body and adjacent to the numerous dikes and sills in the vicinity of the contact are many small zones and bodies of garnet-epidote tactite. It is within these small tactite bodies that the copper minerals occur.

ORE DEPOSITS

The copper deposits on the Montana claims consist of small pods

1/ Knopf, Adolph, 1918, A geologic Reconnaissance of the Inyo Range and the Eastern Slope of the Southern Sierra Nevada, Calif.: U.S.G.S. Professional Paper 110, p. 123.

and zones of garnet-epidote tactite that contain thin films and veinlets of chrysocolla and other secondary copper minerals. In the unoxidized condition, this material consists essentially of garnet tactite carrying a small quantity of chalcopyrite. The largest body of copper-bearing material exposed on the Montana claim was about 70 feet long, 50 feet wide, and from 8 feet thick on the outcrop to a thin seam 50 feet down dip. A sample across a pillar of ore remaining in the open pit from which this body was mined contained 2.50 percent copper. A sample of the dump material removed from the open pit contained 0.95 percent copper. Five or six other smaller deposits, containing ten tons or less of copper-bearing material each, are exposed in shallow pits and short adits on the Montana claims. An estimated 1,000 tons of copper-bearing material, with an average content of about 3 percent copper, has been mined from the Montana claim. About half of this material still remains in the dump by the open cut and the higher grade material was shipped during the first World War.

ORE RESERVES

There are no measured, indicated, or inferred reserves of ore grade material on the Montana claims. A few tons of ore could probably be hand-sorted from the dumps and from the sparse exposures in the old workings but the cost would probably exceed the value of the ore. There might be other pods of material similar to that which has already been

mined on the Montana claim but there is no geologic evidence to indicate the presence of deposits of larger size or of higher grade material.

PAST OPERATIONS

An attempt was made to mine oxidized copper ore from the property in 1917. There was apparently a small shipment made from the best showing exposed on the surface at that time. The grade probably was about the same as sample S-316 which contained 2.50% copper. There has been practically no work completed at the property since this early operation.

LABOR AND SUPPLIES

The nearest source of labor and supplies is from Independence, Calif. The prevailing wage scale for miners is $14.00 per day. The nearest source of water is at Mr. Day's camp, two miles south from the property, where a flow of 15 gallons per minute is obtained from a drainage adit in the canyon. Electric power is not available at the property.

EXPLORATION

The applicant did not present a definite plan of exploration with his application, and it was evident at the time of the field examination that he had none in mind. A vague proposal for about 1,000 feet of adit to intersect the ore horizon several hundred feet below the outcrop was made at the time of the examination, but in view of the pod-like nature of the ore bodies and the low angle of dip into the mountain, such a pro-

gram would be costly and lack a target. Had the geology of the deposit indicated the possible presence of minable bodies of copper ore, the examining engineer and geologist would have suggested an alternate exploration program but such was not the case. It is probable that any method of exploration would prove costly and greatly exceed the value of the ore that might be discovered.

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

[illegible]

420 Custom House
555 Battery Street
San Francisco 11, California

Alt
Betty

December 21, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-3487 (Copper)
Philip A. Ray and Paul Sander (Partners)
Montana Claim
Inyo County, California

We are enclosing the original and three copies of a joint examination report, dated December 16, 1954, on the above-subject property, by H. K. Stager of the Geological Survey, and E. M. Sheahan of the Bureau of Mines.

According to the report the copper-bearing, garnetiferous tactite bodies, exposed on the Montana claims, are small pod-like masses that average less than 2.0 percent copper. There are no known minable copper deposits in the district although it is an old and well prospected area. There is no geologic evidence to indicate the presence of deposits of larger size or higher grade in the ground that was proposed to be explored by the applicant.

Roscoe Smith and I concur with the recommendations made in the report and believe that the application for exploration assistance should be denied.

S. RICKER

S. Ricker
Executive Officer
DMEA Field Team, Region III

Attachments

Copy to: [illegible] Smith-DMEA
A. G. Johnson-Reno, Nevada

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA-3487, Montana Claim

Inyo County, California

(Copper)

Benjamin H. Sheahan, Mining Engineer
U. S. Bureau of Mines

Harold K. Stager, Geologist
U. S. Geological Survey

December 16, 1954

EXAMINATION REPORT

Docket No.: DMEA-3487 (Copper)

Name and address of applicant: Philip E. Day and Emil Sandor (partners)
P. O. Box 274
Independence, California

Name and location of property: Montana Claim
Inyo County, Calif.

SUMMARY

The Montana claim, a copper prospect, is located 12 miles northeast of Independence, Inyo County, Calif. The property includes four unpatented mining claims which were explored during the period 1915 to 1918. The claims were relocated in 1951, and an application was filed in 1954 by the owners to explore for copper mineralization with Government assistance under a DMEA loan.

Development work on the property includes several prospect pits and less than 300 feet of underground workings (see attached sketch map). An attempt was made to mine ore from the Montana claim during the first World War period, however, the venture was not successful.

The copper deposits consist of small pods of garnet-epidote tactite which contain thin films and veinlets of chrysocolla and other secondary copper minerals. The best sample from across 8 feet of copper-bearing material exposed in a pillar contained only 2.5% copper. There are no ore reserves on the property.

There are no surface improvements on the property. The applicants own no mining equipment, and lack an exploration objective. They also lack the ability and money to contribute to an exploration project.

CONCLUSIONS AND RECOMMENDATIONS

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EXPLORATION

The applicant did not present a definite plan of exploration with his application, and it was evident at the time of the field examination that he had none in mind. A vague proposal for about 1,000 feet of adit to intersect the ore horizon several hundred feet below the outcrop was made at the time of the examination, but in view of the pod-like nature of the ore bodies and the low angle of dip into the mountain, such a pro-

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File Copy
Surhame

J.W.A.
Selfridge
F.J. Johnson

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

OCT 21 1954

Mr. H. C. Miller, Executive Officer
DMEA Field Team, Region III
420 Custom House Building
555 Battery Street
San Francisco 11, California

Re: Docket No. DMEA-3487 (Copper)
Philip E. Day and Emil Sandor,
Partners
Montana Claims
Inyo County, California

Dear Mr. Miller:

In order to process the cited application, of which you have retained a copy, considerable information is needed. Will you please advise the applicants as to the information that you consider essential in order to process this application.

If the additional information shows that a field examination is necessary, this is your authority to have one made of this property.

Enclosed are copies of memorandums from the Commodity members, C. H. Johnson, USBM, dated September 21, 1954, and A. L. Trace, USGS, dated September 23, 1954, giving their recommendations and comments regarding the application.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GCS)
JWALT/er 10/19/54

Enclosure 2

APPROVAL:

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

Thor H. Kiilsgaard (GCS)
Member, Geological Survey

Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. C. H. Johnson, USBM
Mr. Kiilsgaard, USGS
Chron.

R.C.S.

File Copy
Surname

J. W. All
Hedges
Kiilsgaard
Selfridge
Johnson

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

OCT 21 1954

Messrs. Philip E. Day
and Emil Sandor
Box 274
Independence, California

Re: Docket No. DMEA-3487 (Copper)
Philip E. Day & Emil Sandor,
Partners
Montana Claims
Inyo County, California

Gentlemen:

A review of your application by the Base Metals Division of the Defense Minerals Exploration Administration indicates that considerable information is needed before your application can be processed. Your application has been referred to:

Mr. H. C. Miller, Executive Officer
DMEA Field Team, Region III
420 Custom House
555 Battery Street
San Francisco 11, California

The Regional Office will contact you at an early date.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

JWALT:er 10/19/54

Copy to: Docket
Admr R File
Op. Committee
Region III (2)
Base Metals
Mr. C. H. Johnson, USBM
Mr. Kiilsgaard, USGS
Chron.

R.C.S.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 21 1954

September 21, 1954

Memorandum

To: W. R. Griswold, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: DMEA-3487 (Copper) Day and Sandor, Montana Group, Inyo County, California

I have reviewed the above-named application, copy of which is returned herewith. The application is hardly satisfactory as to the information, estimates and justification submitted. Nevertheless, in view of the applicant's claim that he has 400 tons of ore on the dump with assays ranging from a low of 2.8 percent copper to a high of 7.8, I believe a field examination is necessary.

Our records here make no mention of any copper prospect in Inyo County that can be identified with the Montana Group or with these applicants. Bulletin 144 of the California Bureau of Mines indicates that a few copper deposits with a little past production lie within ten or twenty miles northeast of Independence.

C. H. Johnson

C. H. Johnson

Attachment

Copy to - T. H. Kiilsgaard, Room 5227
Minerals Division
C. H. Johnson
Files

IN REPLY REFER TO:

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

September 23, 1954

Memorandum

REVIEW OF APPLICATION DMEA-3487 (Copper)

To: W. R. Griswold, Defense Minerals Exploration Administration
From: R. D. Trace, U. S. Geological Survey
Applicant's name and address: Philip E. Day and Emil Sandor, Box 274, Independence, Calif.
Name of property: Montana claims
Location of property: Near Independence, Inyo County, California
Summary of applicant's proposal:
Drive adit 1,000 feet.
Sources of information on applicant's property: None.
Comments: The location of the claims is rather vague. Applicant does not give enough data to evaluate property.
RECOMMENDATION: Get more information.

R. D. Trace

R. D. Trace

IN REPLY REFER TO:

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September 23, 1954

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RECOMMENDATION: Get more information.

R. D. Trace

RDTrace:hlm
G-9/23/54

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
C. H. Johnson, 3621

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

September 16, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region III.

DMEA - 3487 Philip S. Day & Emil Sandor

Robert E. Adams,
Chief, Operation's Control
and Statistics Division

September 16, 1954
Subject: DMEA-3487
Re: Exploration Assistance

Messrs. Phillip S. Day
& Emil Sandor
Box 274
Independence, California

Gentlemen:

The receipt of your application dated September 4, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3487 and referred to the Base Metals Division.

Kindly refer to in any future correspondence relating to your application.

Sincerely yours,

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 13 1954

420 Custom House
555 Battery Street
San Francisco 11, California

September 8, 1954

Memorandum

To: Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for DMEA loan -- Copper
Philip E. Day and Emil Sandor (Partners)
Montana Claims
Inyo County, California

Attached are three of the four copies of an exploration loan application received in this office September 7, 1954. Attached to each copy of the application is the operator's description of the claim and a handdrawn map of the claim.

S. Ricker for
H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachments
Copy to: R. M. Smith-USGS (no attchmts.)

UNITED STATES
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DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

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Executive Officer
DMEA Field Team, Region III

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MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 13 1954

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. 3487
Metal or Mineral Copper
Date Received
Estimated Cost $50,000
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Philip B. Day and Emil Sander Independence, Calif Box 274 equal Partners Half and Half

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract 4 Claims Montana Claim and Montana No. 1 - Montana No. 2 - and No. 3 - the Montana Vol 62 Page 252 - Montana No. 1 - Vol 64 - Page 116 Montana No. 2 - Vol 67 - Page 548 - Montana No. 3 - Vol. 67 - Page 549

(*b*) State any mine name by which the property is known.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise joint owners Half and Half

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it unpatented

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore .....

.....

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within ..... days and be completed within ..... months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

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(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)?

(*b*) How do you propose to furnish your share of the costs?

☐ Money ☐ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper. None

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated Sept 4, 1954

.....
(Applicant)

By Philip E. Day

and Emil Sandon

.....

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.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 13 1954

DESCRIPTION OF MONTANA MINING CLAIMS

This Montana copper property is situated 12 miles northeasterly from Independence, California.

Road up to half a mile of main outcrop. Water available two miles south for leaching plant as this ore is especially adapted for leaching.

Our assays up to date range from 2.8 - Low to 7.75 - High - with a little gold and silver.

This ore occurs on a contact between granite and lime with a garnet capping.

The work up to date has all been done by hand drill and wheelbarrow. We have no machinery of any kind. There is no building on the ground. We need a 210 compressor, 200 feet of 2 inch air pipe, air hose, Jackhammer for drilling, 2,000 of track ties and spikes, one ton ore car, lumber for 40 ton ore-bin, 10-ton dump truck to haul water to mine and haul ore to plant or railroad.

There is one tunnel about 200 ft. on low level about 300 ft. below the main outcrop.

We would like to drive a new tunnel on road level thereby saving road work and getting more depth on main outcrop and open cut this workin is about 30 X 30 ft. across and 20 feet deep. This tunnel will be about 1,000 ft. There are various other small tunnel and open cuts. See Chart.

We estimate roughly that it will cost about $50,000 dollars to do this work. We can not contribute any cash, only our work.

I can supervise all work operations. My partner is a fair mechanic and can take care of equipment repairs. I am a mill operator

also mining operator with 40 years experience.

I have no recommendation at hand. The Pacific Borax Co. at Death Valley Junction should have my records as I operated their mill. at Death Valley Junction during first World War.

We have approximately 400 tons of ore on dump at above assays. This property has no records of production or otherwise to my knowledge. We should have a small leaching plant here at the water witch I owe because most of the ore will not ship to smelter only about 1/4 could be sorted that would pay to ship. However that can be worked out later. The main thing is to develop the ore body to a point of production.

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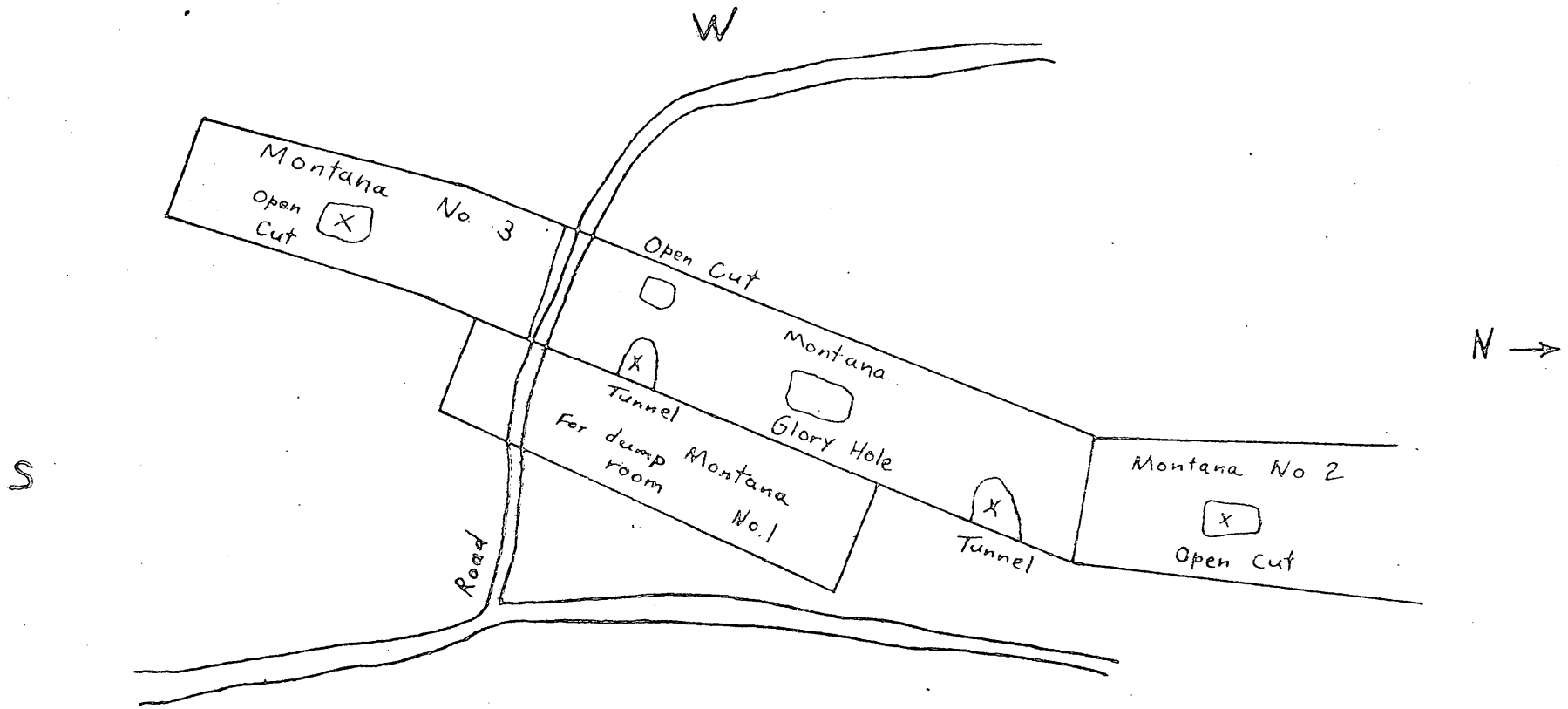
P. O. Box 274



Charte of Claims

M1-103
(Revised April 1952)

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DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

Defense Minerals Administration
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Not to be filled in by applicant

Docket No. 3487
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Participation (Government %)

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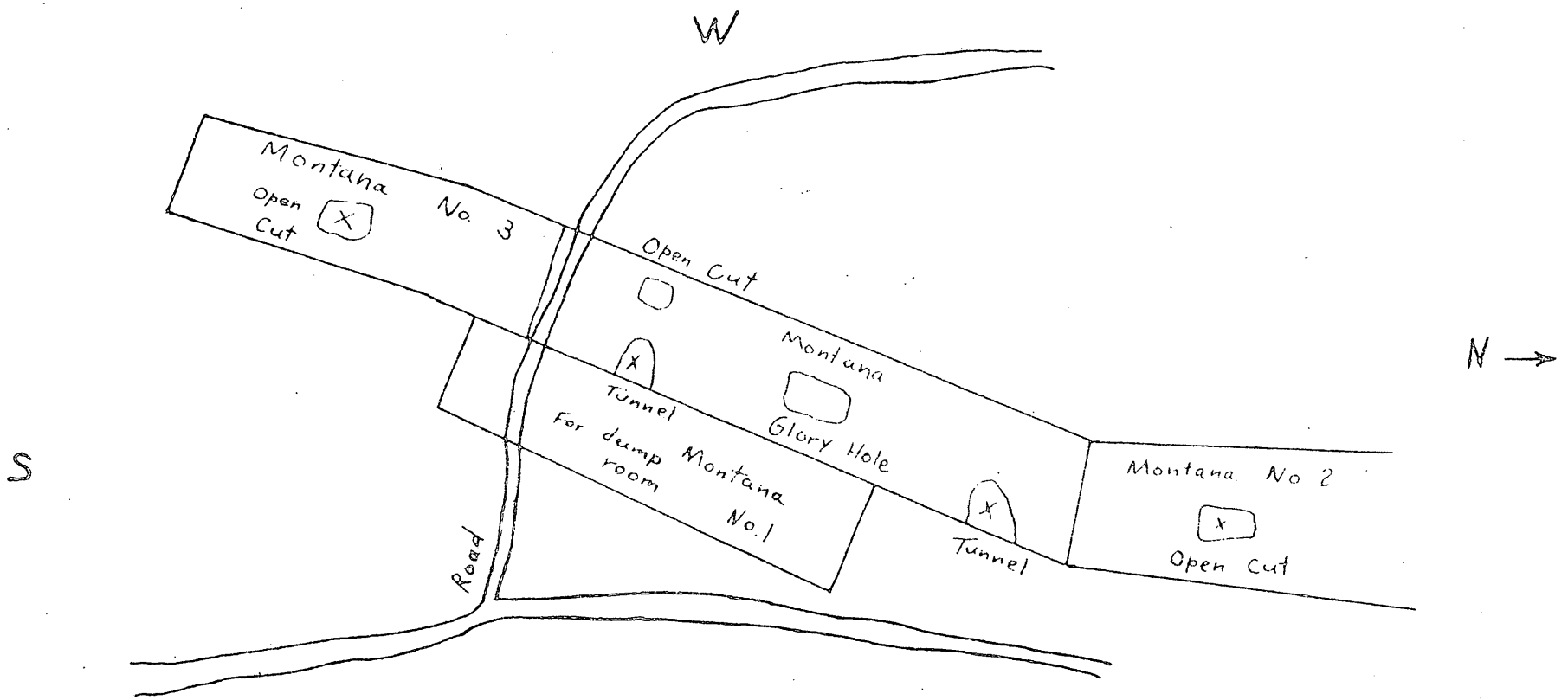
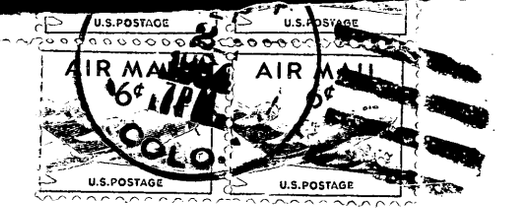


Charte of Claims

BUREAU OF MINES
224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

OFFICIAL BUSINESS

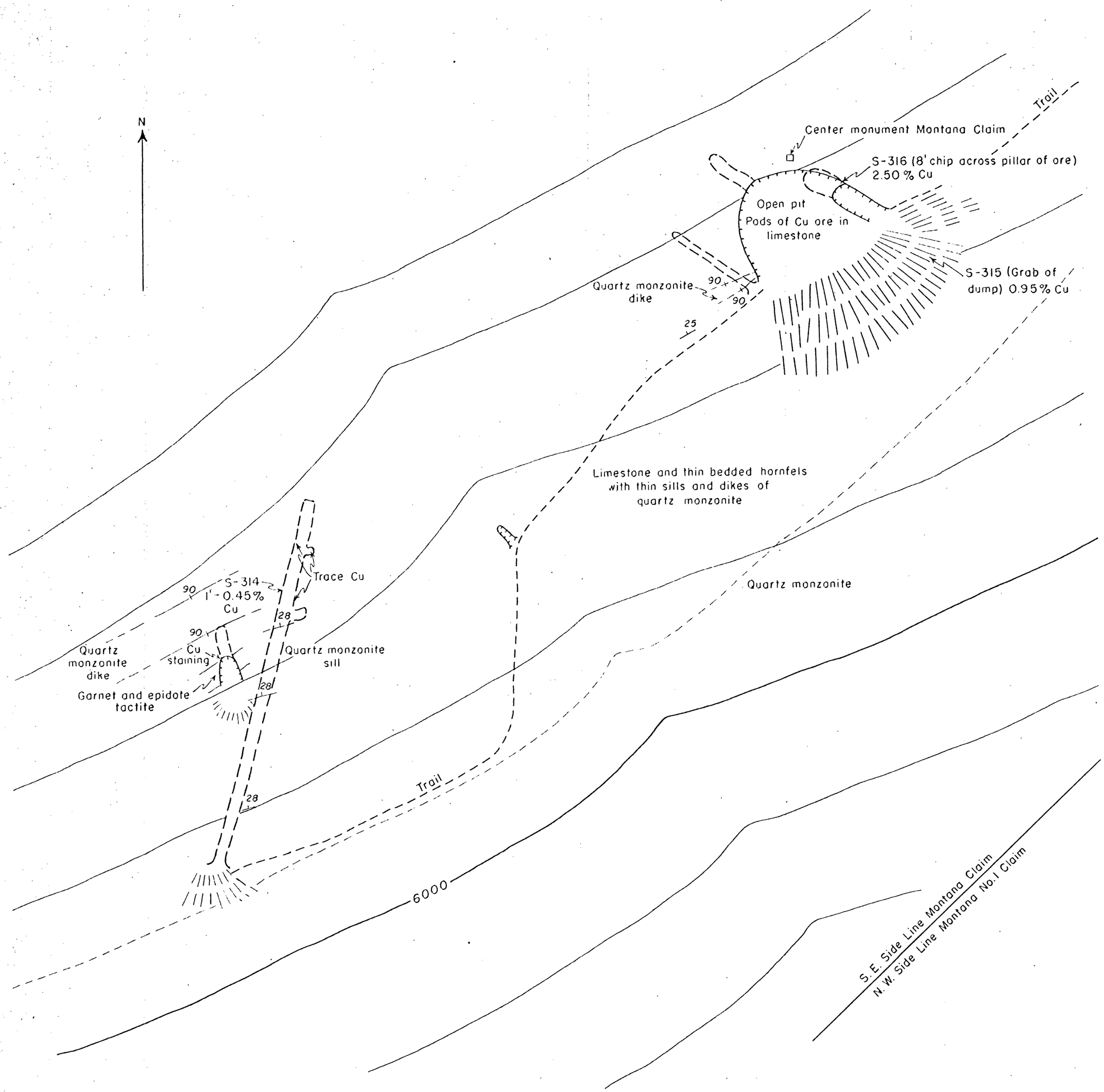


Air Mail

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

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 3487
(COPPER)



GEOLOGIC SKETCH MAP OF MONTANA COPPER PROSPECT, MAZOURKA CANYON
INYO COUNTY, CALIFORNIA

40 0 40 80 FEET

Contour interval 20 feet
Datum approximate