DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 2908

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

One copy to USGS. ~~& USBM.~~ One copy retained in Region II.

Routing Slip

To:	Code 500, Room 2616	Date	2/27/53
To:	Opr Comm	Date	7-20-53
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FILE COPY
SURNAME:

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

APR 14 1954

Mr. E. M. Skaug, Jr.
135 Franklin Court
Spokane 19, Washington

Dear Mr. Skaug:

This will acknowledge your letter dated April 3, 1954, in which you request the return of the Lead Settlement sheet which you submitted with your application for an exploration project, docket No. DMEA-2908.

In accordance with your request, the Lead Settlement sheet is returned herewith.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Chief, Operations Control
and Statistics Division

Enclosure-1

REAdams/fw
4/13/54

cc: Mails & Filed (Docket)
Admr. Read.File
Chron

R.C.G.

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

April 13, 1954

Mr. E. M. Skaug, Jr.
135 Franklin Court
Spokane 19, Washington

Re: Docket No. DMEA-2908 (lead-zinc)
Lucky Strike Property
Pend Oreille County, Washington

Dear Mr. Skaug:

Reference is made to your letter of April 3 wherein you request a copy of the DMEA report on your Lucky Strike property.

We appreciate your desire to obtain such a report; however, we are sorry to inform you that it is contrary to DMEA policy to make such reports available to DMEA applicants. Such reports are treated as confidential information and are not for release to the public or to the owners of the property which was examined.

We are sorry that we have to deny your request.

Sincerely yours,

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

cc: DMEA (2)
USBM (2)
Puffett

Defense Min
APR - 8 1954

135 Franklin Court
Spokane 19, Washington
April 3, 1954

Mr. Robert E. Adams
Chief, Operations Control
and Stastistics Division
United States Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D.C.

Re: DMEA-2908

Dear Mr. Adams:

Attached to my application for DMEA assistance referred to herewith was a Lead Settlement statement which I requested be returned to me. As yet this statement has not been recieved. Please forward the statement to me at your convenience.

Sincerely yours,

E. M. Skaug, Jr.

E. M. Skaug, Jr.

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

September 3, 1953

Memorandum

To: Operations Control and Statistics Division

From: Base Metals Division

Subject: Application Docket No. DMEA 2908, Lucky Strike Mine, Pend Oreille County, Washington (Lead-Zinc)

In a letter August 22, 1953, from the Field Team, the above Applicant was notified that his application was considered withdrawn and the docket closed, since he stated that he was unable to prepare the property for proper examination. The Base Metals Division concurs in the withdrawal and that the docket be closed.

W. R. Griswold, Chief
Base Metals Division

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

September 3, 1953

Memorandum

To: Operations Control and Statistics Division

From: Base Metals Division

Subject: Application Docket No. DMEA 2908, Lucky Strike Mine, Pend Oreille County, Washington (Lead-Zinc)

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W. R. Griswold

W. R. Griswold, Chief
Base Metals Division

FILE COPY
SURNAME: 500

Keating

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

September 3, 1953

Memorandum

To: Operations Control and Statistics Division

From: Base Metals Division

Subject: Application Docket No. DMA 2908, Lucky Strike Mine, Pend Oreille County, Washington (Lead-Zinc)

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W. R. Griswold

W. R. Griswold, Chief
Base Metals Division

AGKeating/hmj
CC to: Docket
Base Metals Div.
Adm. R. File
Op. Committee
Mr. Kinkel
Mr. Bishop
Region II (2)
Chron.

R.C.L. 9-3-53

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
~~XXXXXXXXXXXXXXXXXX~~
No. 157 Howard Street
Spokane 4, Washington

August 22, 1953

Keating
Betty

Mr. E. M. Skaug
135 Franklin Court
Spokane 19, Washington

Re: Docket No. DMEA-2306 (lead-zinc)
Lucky Strike property
Pend Oreille County, Washington

Dear Mr. Skaug:

This will acknowledge your letter of August 10th in reply to the Field Team's letter of July 24, 1953. We are afraid that our previous letter to you was not sufficiently clear. What we attempted to convey is that the showings on the property are not encouraging enough to justify DMEA entering into an exploration contract on the property. However, in order to give you every opportunity, it was stated that should you desire to rehabilitate the shaft in the hope that by so doing you could show stronger evidence to justify an exploration contract, the DMEA would hold the application open for 30 days to permit you to do this. Since you state that you are unable to do this we shall have to consider the docket closed.

By DMEA Field Team, Region II

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

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

cc: USBM (2)
DMEA (2)
Puffett

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

[illegible]
Sp. 157 Howard Street
Spokane 1, Washington

July 24, 1953

Kerling
Reilly
Gordon

Mr. [illegible] Sharp, Jr.
135 Franklin Court
Spokane 19, Washington

Re: Docket No. [illegible] (Lead-Zinc)
Lucky Strike Property
Pend Oreille County, Washington

Dear Mr. Sharp:

Examination of the Lucky Strike property by members of our staff has shown that in order to properly evaluate the property and proposed exploration program, it will be necessary to open the shaft and other caved workings for inspection. At the time of the examination, it was reported that you lack necessary finances to carry out this rehabilitation or to secure the financial responsibility of an exploration project contract if one were granted.

We have been informed by our Washington office that it will be possible to hold your application in abeyance for ninety days. This grace period has been granted to allow you time to arrange for the necessary finances and also to open up the inaccessible workings for our inspection.

If it is impossible for you to use this ninety-day grace period to advantage, you should notify this office to that effect.

Ty Field Man, Region II

Re: Operating Committee ltr
to Executive Officer, Region II
dated 7/20/53, Same subject.
Encl.

[illegible] Nolin, Acting Executive Officer
(U. S. Bureau of Mines)

James J. Quinlan, Acting Director
(U. S. Geological Survey)

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

[illegible]
No. 157 Howard Street
[illegible], Washington

July 21, 1953

Mr. [illegible], Dr.
13[illegible] Franklin Court
[illegible] 19, Washington

Re: [illegible] (Lead-Zinc)
Lucky Strike Property
[illegible] County, Washington

Dear Mr. [illegible]:

Examination of the Lucky Strike property by members of our staff has shown that in order to properly evaluate the property and prepared exploration program, it will be necessary to open the shaft and other caved workings for inspection. At the time of the examination, it was reported that you lack necessary finances to carry out this rehabilitation or to secure the financial responsibility of an exploration project contract if one were granted.

We have been informed by our Washington office that it will be granted to hold your application in abeyance for ninety days. This grace period has been granted to allow you time to arrange for the necessary finances and also to open up the inaccessible workings for our inspection.

If it is impossible for you to do this within ninety grace period to advantage, you should notify this office to that effect.

By Field Team, Region [illegible]

[illegible], Acting Assistant Secretary
(U. S. Department of Interior)

James J. [illegible], Acting Director
(U. S. Geological Survey)

FILE COPY
SURNAME:

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

Keating
Original
Selfridge
Selfridge
Secretary

JUL 20 1953

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region II
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. [illegible]-2968 (lead-zinc)
[illegible] Skaug, Jr.
Lucky Strike Mine
Pend Oreille County, Washington

Dear Mr. Weissenborn:

This will acknowledge receipt of your letter of July 2, 1953, with which copies of the field examination report on the cited project were enclosed. We note that the Applicant does not presently have the funds to meet his share of the costs, and that proper evaluation of the project cannot be made until the shaft has been opened and other caved workings cleared for inspection.

We concur with your recommendation that, if the Applicant is able to arrange for the necessary finances and succeeds in clearing the workings for inspection, sufficiently favorable information may be obtained to warrant further consideration of this application.

Under the circumstances, we suggest that you inform the Applicant that his application will be held in abeyance for a reasonable time, say sixty to ninety days, so that he may have an opportunity to comply with the requirements.

Sincerely yours,

George C. Selfridge

(GB)

Chairman, Operating Committee

APPROVED:

J. H. Hedges

Member, Bureau of Mines (JHH)

A. R. Kinkel, Jr.

Member, Geological Survey (ARK)

AGKeating/jh
7/17/53
cc. to: Docket
Adm. Reading File
Oper. Comm.
Base Metals
Chron.
Messrs. Bishop
Kinkel

R.C.A.
7-20-53

IN REPLY REFER TO:

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

July 14, 1953

Re: DMEA-2908
Lucky Strike Property
Metaline District
Pend Oreille Co., Wash.
$12,100
Lead-silver

Memorandum

To: Mr. W. R. Griswold

From: E. L. Newcomb and O. M. Bishop

Subject: Concurrence with field team denial

We concur with the field team's recommendation that the application be denied on the grounds that the applicant lacks the required matching funds.

E. L. Newcomb
E. L. Newcomb
Geologist

O. M. Bishop
O. M. Bishop
Base Metals Branch

IN REPLY REFER TO:

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

July 14, 1953

Re: DMEA-2908
Lucky Strike Property
Metaline District
Pend Oreille Co., Wash.
$12,100
Lead-silver

Memorandum

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E. L. Newcomb
Geologist

O. M. Bishop
Base Metals Branch

IN REPLY REFER TO:

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

July 14, 1953

Re: DMEA-2908
Lucky Strike Property
Metaline District
Pend Oreille Co., Wash.
$12,100
Lead-silver

Memorandum

To: Mr. W. R. Griswold

From: E. L. Newcomb and O. M. Bishop

Subject: Concurrence with field team denial

We concur with the field team's recommendation that the application be denied on the grounds that the applicant lacks the required matching funds.

E. L. Newcomb
Geologist

O. M. Bishop
Base Metals Branch

Keeling

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
[illegible] Howard Street
Spokane 4, Washington

July 2, 1953

Mr. George [illegible] Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-2903 (lead-zinc)
E. M. Skaug, Jr.
Lucky Strike Mine
Pend Oreille County, Washington

Dear Mr. Selfridge:

Enclosed please find four copies of a field examination report by E. A. Hagill, U. S. Bureau of Mines, and Willard F. Ruffett, U. S. Geological Survey, concerning the E. M. Skaug, Jr., application for exploration assistance at the Lucky Strike Mine near Metaline Falls, Pend Oreille County, Washington.

The rocks at the Lucky Strike Mine are members of the Metaline Limestone at an approximate position of 500 feet stratigraphically below its upper contact. This is a much lower horizon in the Metaline Limestone that the productive zones recently successfully explored on the Grandview lease by American Zinc, Lead and Smelting Company under terms of contract Ida-170.

The applicant requested funds to assist in rehabilitating an inclined shaft, sunk in the 1920's by Hecla Mining Company, and to drive 200 feet of drift from the bottom of the shaft. The shaft has been sunk on an iron-stained fault zone in which some galena occurs, and presumably the exploratory drift was to further explore this zone along strike at depth.

On the dump near the shaft considerable pyrite occurs and there is a reported shipment of this material which contained nearly 12 percent lead. A fracture zone exposed on the surface in the hanging wall of the major fault contains numerous narrow stringers which have been filled with galena. Apparently this zone is very narrow and the mineralization was very erratic.

The applicant states that he now has no funds to carry out

Reviewed by
DMEA OPERATING COMMITTEE
7-10-53
(date)

any exploration but if he were awarded a contract, he believes he would be able to procure funds to pay for his share of the exploration.

The field examiners recommend that the application be denied, but should the applicant demonstrate his ability to finance his share of the costs and succeed in clearing the shaft and other now-caved workings on the property for inspection, sufficiently favorable information may be obtained to permit further consideration of this property. The Field Team concurs with this recommendation.

By Field Team, Region II

A. F. Weissenborn, Exec. Officer
(Geological Survey)

Thomas B. Nuzard, Acting Member
(Bureau of Mines)

Enclosure

cc: USGS (2)
Puffett

DEPARTMENT OF THE INTERIOR
Records Information Section
RECEIVED
JUL 6 1953

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

July 2, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: E. A. Magill, Mining Engineer, U. S. Bureau of Mines
Willard P. Puffett, Geologist, U. S. Geological Survey

Subject: Application for Exploration Project Contract, E. M. Skaug, Jr., Lucky Strike Mine, Pend Oreille County, Washington, Docket No. DMEA-2908 (Lead-Zinc).

APPLICANT

The applicant is E. M. Skaug, Jr., 135 Franklin Court, Spokane 19, Washington.

RECOMMENDATIONS

It is recommended that the application of E. M. Skaug, Jr., for an exploration loan in the amount of $12,100.00 be denied.

EXAMINATION

The examination was made by Willard P. Puffett, U. S. Geological Survey, and E. A. Magill, U. S. Bureau of Mines, on June 18, 1953. Mr. E. M. Skaug, Sr., conducted the examining team about the property. Four hours were spent on the examination.

LOCATION OF PROPERTY

The Lucky Strike mine is located in secs. 26 and 35, T. 40 N., R. 43 E., W.M., Metaline Mining District, Pend Oreille County, Washington. The nearest town is Metaline Falls, 8 miles distant by road. The last 2 miles of this road is unpaved and would have to have the snow removed if winter operations were undertaken. Winter snowfall amounts to 3 or 4 feet between December and March with about 2 feet being on the ground at any one time.

COMPETENCE OF APPLICANT

It would be necessary for the applicant to hire competent personnel to carry out any exploration program.

Reviewed by
DMEA OPERATING COMMITTEE

7-10-53
(date)

PROPERTY RIGHTS

The property consists of five unpatented mining claims, Lucky Strike No. 1 through No. 5. Location notices are filed in Volume 4 of the records of the County Auditor at Newport, Washington. No check was made of the County records.

PROPERTY

Development workings on the property include a number of small prospect pits, an adit, now caved near the portal, reported to be 200 feet long, and an inclined shaft which is reported to have been sunk 90 feet at an inclination of 57 degrees. Main workings are shown on the accompanying map which was prepared as a result of a preliminary examination of the property during the latter part of 1952 by a member of the U. S. Bureau of Mines.

GEOLOGY

A brief description of the Lucky Strike group of claims is given on page 71, U. S. Geological Survey Professional Paper 202, by Park and Cannon. Location of the property with respect to regional geology is shown on plate I of the Professional Paper.

The Lucky Strike group of claims are between altitudes of 1,800 and 2,500 feet and are just east of the Pend Oreille River. The main workings are in a generally flat area at approximately 2,300 feet altitude bordering the western edge of a small meadow.

According to Park and Cannon, the rocks underlying the Lucky Strike property are members of the Metaline Limestone of Cambrian Age and more specifically represent that part of the formation nearly 600 feet stratigraphically lower than the overlying Ledbetter Slate of Ordovician Age. Good exposures of the limestone formation occur in the banks of the Pend Oreille River and in the west face of a north-south line of bluffs traversing the central portion of the property. The exposed rocks are light buff to gray, somewhat siliceous dolomite. Few evidences of bedding remain, and much of the rock appears to be considerably broken, with little, if any, cementation having taken place since the fracturing.

A number of very shallow pits and very short adits have been excavated in the steep face of the bluffs to explore narrow flat-dipping mineralized fractures. The general trend of the most prominent of these narrow slips is N. 50°-60° E. In some of the excavations, galena occurs as replacements along the fractures in concentrations up to six inches thick and one to three feet long. Although these concentrations contain a high percentage of galena, they do not appear to persist in any one direction, and it is doubtful that further exploration of the fractures along which they occur would be successful in finding any significant tonnages of minable ore.

The strongest and most persistent appearing structure exposed on the property is that one on which the shaft has been sunk. Here a fault zone ranging to three feet in width, strikes N. 45° E. and dips 75° S. On the surface this fault is now very much iron-stained and is composed dominantly of limonite. Considerable pyrite is on the dump near the shaft, and, thus, it is inferred that the main sulphide was pyrite. In the hanging wall area of this fault are a number of narrow, subsidiary fractures, quite concentrated in a zone approximately five to ten feet thick, which have been filled with galena. Although no oxides of ore minerals were recognized, the area of the fractures has been considerably oxidized, and it may be that some zinc was originally present with the lead minerals. A number of shallow pits have explored this zone of narrow fractures, and one short adit has cut completely through the zone. The Bureau of Mines representative took a grab sample of the richer looking portion of this zone and obtained an assay result of 8.8 percent lead with only very low values for zinc, silver, and gold. A shipment of ore from the dump near the shaft was made in 1952, in which there was 12.7 percent lead. It is assumed that this ore came from depth in the shaft, and the grade represents that of the better specimens of ore.

It is reported in the Professional Paper report that the shaft was bottomed in heavy iron sulphide. There is a possibility that this fault has been thoroughly replaced by pyrite with minor amounts of galena.

In the high, steep banks bordering the Pend Oreille River, excellent exposures of the limestone occur. At various locations on these banks are concentrations of pyrite, now accented by much oxidized iron stain. These iron showings are somewhat erratic in occurrence, with no particular pattern or recognizable control for their location. It is believed that perhaps the fault on which the shaft was sunk represents one such kind of concentration of iron sulphides.

Although it has been reported that the Hecla Mining Company sank the shaft on the property, the applicant was not able to obtain any information from representatives of that company as to what occurs in the walls of the shaft at depth. No other geologic information is available concerning the shaft or the 200-foot long adit.

PAST OPERATIONS

Mr. R. L. Lakin of Spokane originally located the property about 1920 and made some small shipments of ore. There is no record of these shipments.

In 1927, the Hecla Mining Company sunk a 90-foot inclined shaft and drove a 200-foot adit. No ore was shipped by the Hecla Mining Company.

In 1952, a lessor, William E. Curtis, mined and shipped (July 29, 1952) 5,642 pounds (dry weight) of ore from the surface to the Consolidated Mining and Smelting Company at Trail, B. C. This shipment assayed

as follows:

Gold	-	Trace
Silver	-	2 oz. per ton
Lead	-	12.7 percent
Zinc	-	0.3 percent
Sulphur	-	1.8 percent
Iron	-	1.1 percent
Lime	-	27.4 percent
Arsenic	-	0.3 percent
Antimony	-	0.1 percent

DISCUSSION

Although it was believed at the time of the examination that the flooded shaft could easily be dewatered, subsequent discussion with the applicant brought out the fact that he had attempted at one time to dewater the shaft and had found a great amount of loose rock and other detritus obstructing access to the lower portions of the shaft. The applicant does not have the funds at present to prepare the shaft for inspection.

Results of examination of surface exposures and other information available concerning the ore at the Lucky Strike group is not sufficiently promising to encourage more exploration. If the shaft could be cleared and the now caved 200-foot long adit rehabilitated, information gained from an inspection of these workings may be sufficiently encouraging to warrant further work. It is not believed this rehabilitation should be part of an exploration project contract.

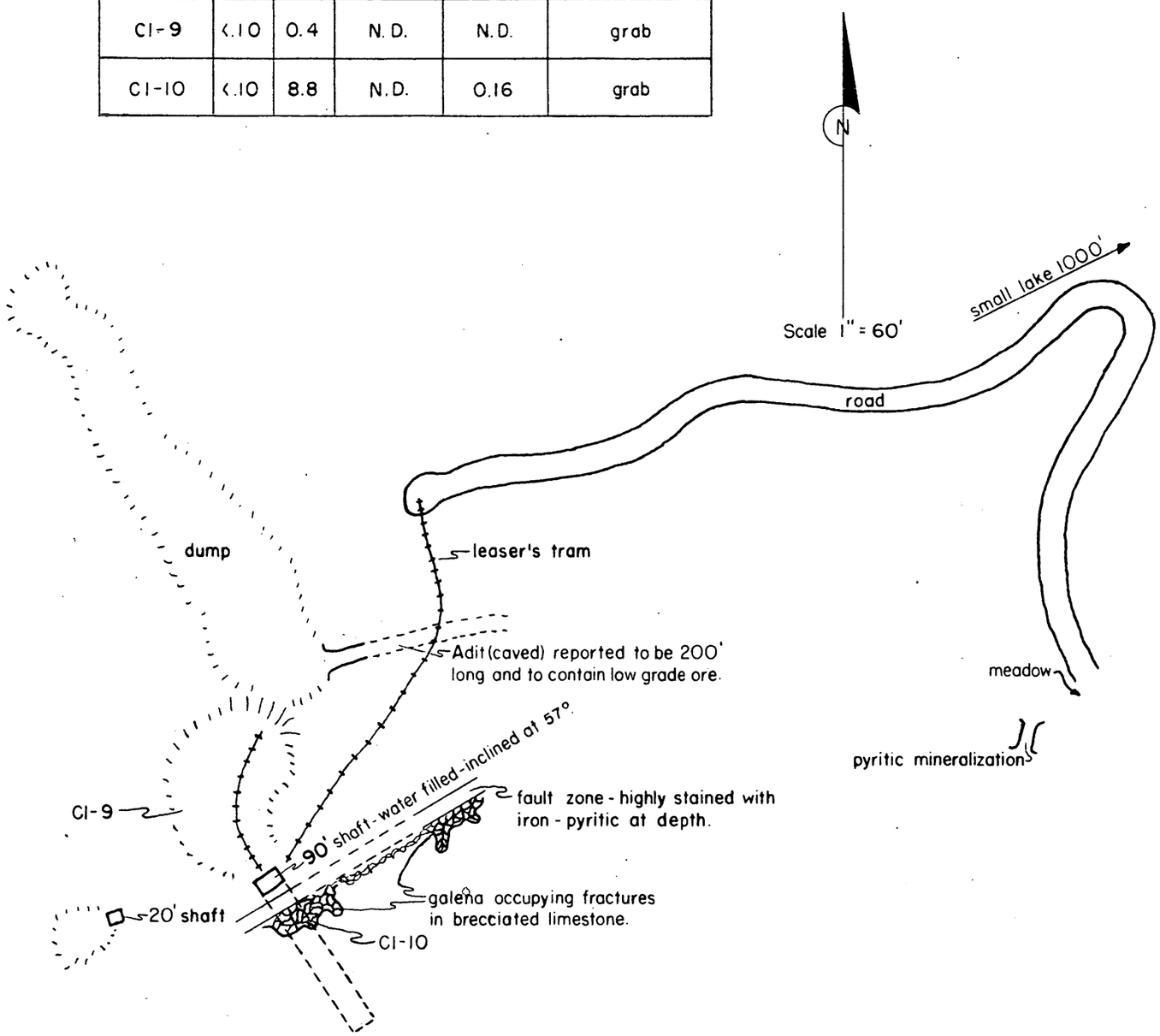
In other areas in the Metaline Falls district, diamond drilling has been successful in delineating ore which occurs in an horizon in the Metaline Limestone formation near the Ledbetter Slate. It is believed the ore at the Lucky Strike Mine is much lower stratigraphically than the more important productive zones and thus does not give much promise of being of sufficient size to be delineated by diamond drilling. Because the ore occurrences are so sporadic in occurrence and the topography is too flat to permit favorable angles of intersection with the supposed ore zone, it is not believed that diamond drilling would be a conclusive method of exploring deeper extensions of the narrow fracture zone.

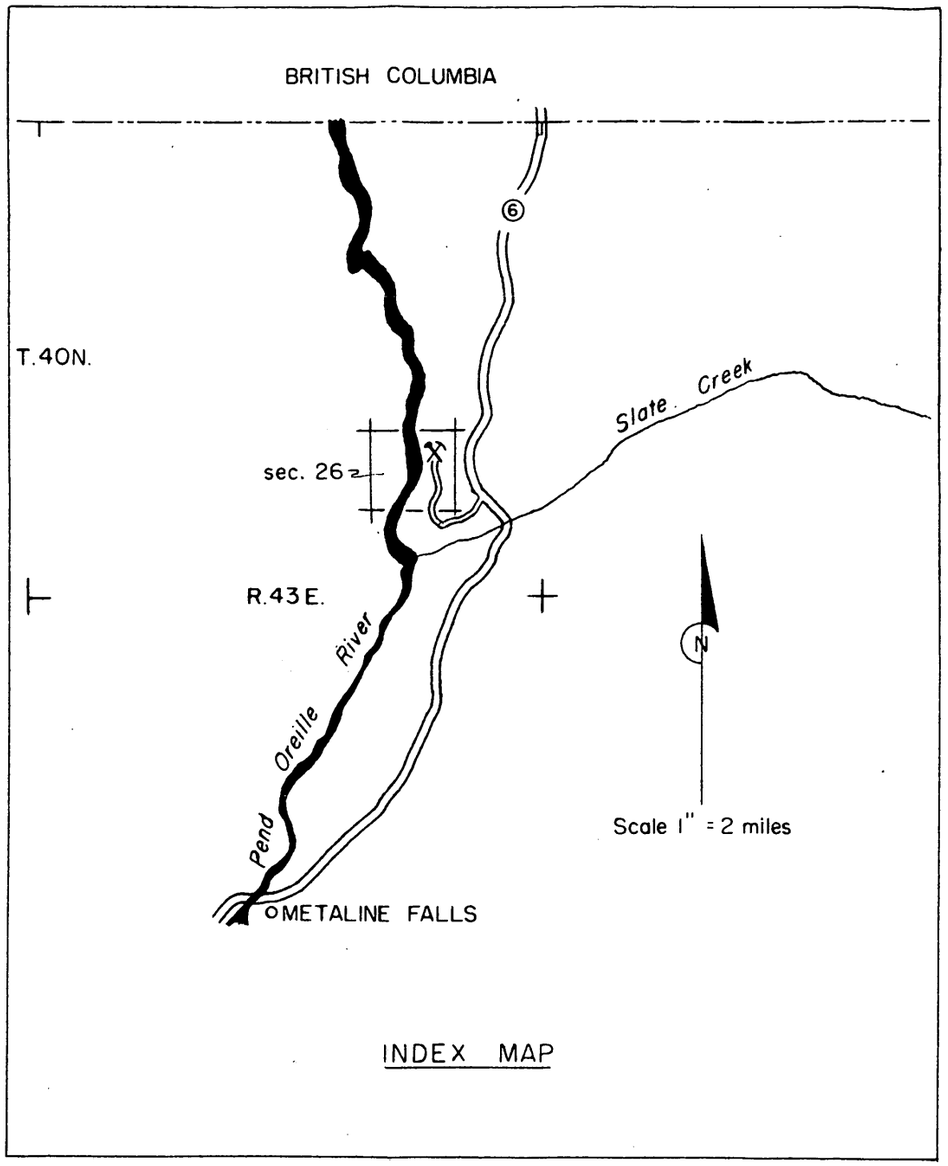
Enclosure

Distribution:
DMEA(4)
USBM(5)
Docket
USGS(SRO)
Puffett

BUREAU OF MINES SAMPLES

Sample No.	% Zn	% Pb	oz Au/ton	oz Ag/ton	Remarks
CI-9	<.10	0.4	N.D.	N.D.	grab
CI-10	<.10	8.8	N.D.	0.16	grab





U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

LUCKY STRIKE PROSPECT
PEND OREILLE COUNTY, WASH.

ENG'R. L. CHICHESTER	DEC. 1952
DRAWN L. G. C.	

D.M.E.A. Docket No. 2908

FILE COPY
SURNAME:

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

JUN 8 1953

Mr. E. M. Skaug, Jr.
135 Franklin Court
Spokane 19, Washington

Re: Docket No. DMEA-2908 (Lead-Zinc)
Lucky Strike Property
Pend Oreille County, Washington

Dear Mr. Skaug:

On May 18, 1953, you were informed that a restricted program directive had obliged this Administration to deny your application for Government assistance in an exploration project.

However, a modifying directive dated June 1, 1953 has given us authority to continue processing your application. Therefore, we are reactivating your case. If you no longer desire to pursue your application, kindly advise accordingly.

Sincerely yours,

C. O. Mittendorf

Administrator

WRGriswold/hmj
(6/5/53)

CC to: Docket
Adm. R. File
Op. Committee
Base Metals Division
Region II (2)
Mr. Bishop
Mr. Kinkel
Chron.

FILE COPY
SURNAME:

500

Triamd

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

MAY 1 9 1953

Mr. E. M. Skaug, Jr.
135 Franklin Court
Spokane 19, Washington

Re: Docket No. DMPA-2908 (Lead-Zinc)
Lucky Strike Property
Pend Oreille County, Washington

Dear Mr. Skaug:

This is to inform you that, effective April 15, 1953, the commitment of funds allocated to the DMPA for exploration assistance under the Defense Production Act was restricted to certain specified metals and minerals still in short supply. Lead and zinc were not specified, and consequently were automatically removed from the list of metals or minerals eligible for exploration assistance.

I regret to advise you that, since your application relates to lead-zinc and was pending on the date of the restrictive order, we are without authority or funds to enter into a contract for exploration, and your application is accordingly denied. This action is taken without prejudice to the merits of your proposed project.

The staff of the DMPA wishes to express its appreciation for your interest in the exploration program and for your cooperation during the period your application has been under consideration.

Sincerely yours,

K. D. Mittendorf
Administrator

WRGriswold/bjl (5/18/53)

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

February 27, 1953

Mr. E. M. Skaug, Jr.
135 Franklin Court
Spokane 19, Washington

Subject: DMEA-2908
Re: Exploration Assistance
Lucky Strike Property

My dear Mr. Skaug:

The receipt of your application dated February 17, 1953 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-2908 and referred to the Base Metals Division.

Kindly refer to DMEA-2908 in any future correspondence relating to your application.

Sincerely yours,

R. E. ADAMS

Robert E. Adams
Chief, Operations Control
and Statistics Division

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

February 27, 1953

Memorandum

To: Executive Officer, DMEA Field Team, Region II

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 II.

DMEA-2908 E. M. Skaug, Jr.

R. E. ADAMS

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

33980

dmea 2908

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
2 1953

February 20, 1953

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Dear Mr. Selfridge:

Enclosed are the original and two copies of an application submitted by Mr. E. M. Skaug, Jr., Spokane, Washington. The application concerns the Lucky Strike property, Pend Oreille County, Washington. One copy of the application has been retained at this office to facilitate a field examination.

It will be noted that the applicant states that he does not have money on hand to furnish his share of the exploration costs. However, telephone conversation with the applicant informs us that he will be able to raise funds for his share of the expenses if a contract is approved.

We do not know of any information in our files on the Lucky Strike property and therefore will schedule a field examination which will be made at the earliest practicable date.

Sincerely yours,

Thor H. Kiilsgaard
Thor H. Kiilsgaard
For: M. E. Volin
Acting Executive Officer
DMEA Field Team, Region II

Enclosure

cc: USBM (2)

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Defense Minerals Administration
RECEIVED
2 - 1953

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. dmea 2908
Metal or Mineral
Date Received 2-24-53
Estimated Cost
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: E. M. Skaug Jr.
135 Franklin Court
Spokane 19, Washington

(*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 Lucky Strike No. 1, Lucky Strike No. 2, Lucky Strike No. 3, Lucky Strike No. 4 and Lucky Strike No. 5 located in Sections 26 & 35 township 40 North Range 43 E.W.M. Metaline Mining District, Pend Orielle County, State of Washington. See attached.

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner

(*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 None

(*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 will explore Lead and Zinc

(*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 90 days and be completed within 6 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.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*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?

[X] Money [ ] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

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 February 17, 1953

E. M. Sears Jr.
(Applicant)

By

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—66551-1

Docket No._____

E. M. Skaug Jr. Lucky Strike

3. (a) All filed Volume 4 of Mining Locations page 112 Records of Pend Orielle County, Newport, Washington.

4. (a) The Hecla Mining Co. sank an incline shaft about 90 feet in depth and drove an adit approximately 200 feet in length about 1927. The shaft is now filled with water to within about 20 feet of the top. The shaft is also partially filled with muck. The portal of the adit is partially caved in.

(b) The previous owner, R. L. Lakin, said some ore had been shipped from surface workings.

A lessor, William E. Curtis hauled 5,642 lbs. dry weight ore, mined from surface, by truck to the Consolidated Mining and Smelting Co. smelter at Trail B.C. July 29, 1952 which assayed as follows:

Gold	Silver	Wet Lead	Zinc	Sulphur	Iron	Lime	Arsenic	Antimony
Tr.	2 oz per ton	12.7%	.3%	1.8%	1.1%	27.4	.3%	.1%

Please see attached Lead Settlement and return.

(c) Contour of surface irregular. Fault zone on property stained with iron, pyritic at depth, some galena occupying fractures in brecciated limestone. See attached map.

I wish to explore this fault zone because I believe there may be ore at depth.

(d) The Lucky Strike claims are located 8 miles north of Metaline Falls, Washington, 2 miles mine road, 6 miles paved highway. Metaline Falls is rail shipping point and is also a source of supplies. There are a liveable cabin and a bunk house on the claims.

(e) Manpower is available at Metaline Falls. Timber is available on claims. Supplies available at Metaline Falls. Equipment is available at Metaline Falls and at Spokane, Washington which is about 110 miles from the claims. There is a spring for drinking water on the property. Electric power is on state highway approximately one and one half miles from the claims.

5. (b) Rehabilatate present shaft and drift 200 feet northeast from bottom of shaft. Please see attached map.

(d) Applicant has 15 years business background and a limited knowledge of mining sufficient to see that contracts for exploration under this contract are completed.

Docket No._____

E. M. Skaug Jr. Lucky Strike

6. (a) Independent Contracts		$11,600.00
Cleanout shaft 70 ft. @ $60.00 per foot	$4,200.00	
Drifting from bottom of shaft 200 ft. @ $37.00 per ft.	7,400.00	
	$11,600.00	
(b) Labor, supervision, consultants		500.00
Labor, all covered in independent contracts	None	
Supervision	$500.00	
Operators time and expense		
Consultants	None	
Will use government engineer and geologist counsel and advice relative to contract stated as being available in DMEA booklet entitled "The Defense Minerals Exploration Program"		
(c) Operating materials and supplies		None
Covered in Independent Contracts		
(d) Operating equipment		None
Covered in Independent Contracts		
(e) Rehabilitation and repairs		None
Covered in Independent Contracts		
(f) New buildings, improvements, installations		None
(g) Miscellaneous		None
(h) Contingencies		None
TOTAL PROJECT COST		$12,100.00

7. (a) I do not have the money on hand with which to furnish my share of the cost of the proposed project.

(b) Considering that the Lucky Strike claims are a very good prospect I am sure that with a sound exploration program I can raise the money to carry this program through with DMEA assistance.

dmea 2908

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
No. 157 Howard Street
Spokane 4, Washington

February 20, 1953

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Dear Mr. Selfridge:

Enclosed are the original and two copies of an application submitted by Mr. E. M. Skaug, Jr., Spokane, Washington. The application concerns the Lucky Strike property, Pend Oreille County, Washington. One copy of the application has been retained at this office to facilitate a field examination.

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Sincerely yours,

Thor H. Kilsgaard
For: M. E. Volin
Acting Executive Officer
DMEA Field Team, Region II

Enclosure

cc: USBM (2)

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED

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. dmea 2908
Metal or Mineral
Date Received 21-24-53
Estimated Cost
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: E. E. Skaug Jr.
135 Franklin Court
Spokane 19, Washington

(*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.

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(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner

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Explain in detail on acompanying paper.

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 February 17, 1953

E. M. Skeen Jr.
(Applicant)

By

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—66551-1

Docket No._____

E. M. Skaug Jr. Lucky Strike

3. (a) All filed Volume 4 of Mining Locations page 112 Records of Pend Orielle County, Newport, Washington.

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Tr.	2 oz	12.7%	.3%	1.8%	1.1%	27.4	.3%	.1%

per ton Please see attached Lead Settlement and return.

(c) Contour of surface irregular. Fault zone on property stained with iron, pyritic at depth, some galena occupying fractures in brecciated limestone. See attached map.

I wish to explore this fault zone because I believe there may be ore at depth.

(d) The Lucky Strike claims are located 8 miles north of Metaline Falls, Washington, 2 miles mine road, 6 miles paved highway. Metaline Falls is rail shipping point and is also a source of supplies. There are a liveable cabin and a bunk house on the claims.

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Docket No._____

H. M. Skaug Jr. Lucky Strike

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Cleanout shaft 70 ft. @ $60.00 per foot	$4,200.00	
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	$11,600.00	
(b) Labor, supervision, consultants		500.00
Labor, all covered in independent contracts	None	
Supervision	$500.00	
Operators time and expense		
Consultants	None	
Will use government engineer and geologist counsel and advice relative to contract stated as being available in DMEA booklet entitled "The Defense Minerals Exploration Program"		
(c) Operating materials and supplies		None
Covered in Independent Contracts		
(d) Operating equipment		None
Covered in Independent Contracts		
(e) Rehabilitation and repairs		None
Covered in Independent Contracts		
(f) New buildings, improvements, installations		None
(g) Miscellaneous		None
(h) Contingencies		None
TOTAL PROJECT COST		$12,100.00

7. (a) I do not have the money on hand with which to furnish my share of the cost of the proposed project.

(b) Considering that the Lucky Strike claims are a very good prospect I am sure that with a sound exploration program I can raise the money to carry this program through with DMEA assistance.

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

DEPARTMENT OF THE INTERIOR
Division of Administration
RECEIVED
JUL 6 1953

July 2, 1953

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-2908 (lead-zinc)
E. M. Skaug, Jr.
Lucky Strike Mine
Pend Oreille County, Washington

Dear Mr. Selfridge:

Enclosed please find four copies of a field examination report by E. A. Magill, U. S. Bureau of Mines, and Willard P. Puffett, U. S. Geological Survey, concerning the E. M. Skaug, Jr., application for exploration assistance at the Lucky Strike Mine near Metaline Falls, Pend Oreille County, Washington.

The rocks at the Lucky Strike Mine are members of the Metaline Limestone at an approximate position of 600 feet stratigraphically below its upper contact. This is a much lower horizon in the Metaline Limestone that the productive zones recently successfully explored on the Grandview lease by American Zinc, Lead and Smelting Company under terms of contract Idm-E76.

The applicant requested funds to assist in rehabilitating an inclined shaft, sunk in the 1920's by Hecla Mining Company, and to drive 200 feet of drift from the bottom of the shaft. The shaft has been sunk on an iron-stained fault zone in which some galena occurs, and presumably the exploratory drift was to further explore this zone along strike at depth.

On the dump near the shaft considerable pyrite occurs and there is a reported shipment of this material which contained nearly 13 percent lead. A fracture zone exposed on the surface in the hanging wall of the major fault contains numerous narrow stringers which have been filled with galena. Apparently this zone is very narrow and the mineralization was very erratic.

The applicant states that he now has no funds to carry out

any exploration but if he were awarded a contract, he believes he would be able to procure funds to pay for his share of the exploration.

The field examiners recommend that the application be denied, but should the applicant demonstrate his ability to finance his share of the costs and succeed in clearing the shaft and other now-caved workings on the property for inspection, sufficiently favorable information may be obtained to permit further consideration of this property. The Field Team concurs with this recommendation.

By Field Team, Region II

A. E. Weissenborn

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

Thomas E Howard

Thomas E. Howard, Acting Member
(Bureau of Mines)

Enclosure

cc: USBM (2)
Puffett

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

DEPARTMENT OF THE INTERIOR
RECEIVED
1953

July 2, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: E. A. Magill, Mining Engineer, U. S. Bureau of Mines
Willard P. Puffett, Geologist, U. S. Geological Survey

Subject: Application for Exploration Project Contract, E. M. Skaug, Jr., Lucky Strike Mine, Pend Oreille County, Washington, Docket No. DMEA-2908 (Lead-Zinc).

APPLICANT

The applicant is E. M. Skaug, Jr., 135 Franklin Court, Spokane 19, Washington.

RECOMMENDATIONS

It is recommended that the application of E. M. Skaug, Jr., for an exploration loan in the amount of $12,100.00 be denied.

EXAMINATION

The examination was made by Willard P. Puffett, U. S. Geological Survey, and E. A. Magill, U. S. Bureau of Mines, on June 18, 1953. Mr. E. M. Skaug, Sr., conducted the examining team about the property. Four hours were spent on the examination.

LOCATION OF PROPERTY

The Lucky Strike mine is located in secs. 26 and 35, T. 40 N., R. 43 E., W.M., Metaline Mining District, Pend Oreille County, Washington. The nearest town is Metaline Falls, 8 miles distant by road. The last 2 miles of this road is unpaved and would have to have the snow removed if winter operations were undertaken. Winter snowfall amounts to 3 or 4 feet between December and March with about 2 feet being on the ground at any one time.

COMPETENCE OF APPLICANT

It would be necessary for the applicant to hire competent personnel to carry out any exploration program.

PROPERTY RIGHTS

The property consists of five unpatented mining claims, Lucky Strike No. 1 through No. 5. Location notices are filed in Volume 4 of the records of the County Auditor at Newport, Washington. No check was made of the County records.

PROPERTY

Development workings on the property include a number of small prospect pits, an adit, now caved near the portal, reported to be 200 feet long, and an inclined shaft which is reported to have been sunk 90 feet at an inclination of 57 degrees. Main workings are shown on the accompanying map which was prepared as a result of a preliminary examination of the property during the latter part of 1952 by a member of the U. S. Bureau of Mines.

GEOLOGY

A brief description of the Lucky Strike group of claims is given on page 71, U. S. Geological Survey Professional Paper 202, by Park and Cannon. Location of the property with respect to regional geology is shown on plate I of the Professional Paper.

The Lucky Strike group of claims are between altitudes of 1,800 and 2,500 feet and are just east of the Pend Oreille River. The main workings are in a generally flat area at approximately 2,300 feet altitude bordering the western edge of a small meadow.

According to Park and Cannon, the rocks underlying the Lucky Strike property are members of the Metaline Limestone of Cambrian Age and more specifically represent that part of the formation nearly 600 feet stratigraphically lower than the overlying Ledbetter Slate of Ordovician Age. Good exposures of the limestone formation occur in the banks of the Pend Oreille River and in the west face of a north-south line of bluffs traversing the central portion of the property. The exposed rocks are light buff to gray, somewhat siliceous dolomite. Few evidences of bedding remain, and much of the rock appears to be considerably broken, with little, if any, cementation having taken place since the fracturing.

A number of very shallow pits and very short adits have been excavated in the steep face of the bluffs to explore narrow flat-dipping mineralized fractures. The general trend of the most prominent of these narrow slips is N. 50°-60° E. In some of the excavations, galena occurs as replacements along the fractures in concentrations up to six inches thick and one to three feet long. Although these concentrations contain a high percentage of galena, they do not appear to persist in any one direction, and it is doubtful that further exploration of the fractures along which they occur would be successful in finding any significant tonnages of minable ore.

The strongest and most persistent appearing structure exposed on the property is that one on which the shaft has been sunk. Here a fault zone ranging to three feet in width, strikes N. 45° E. and dips 75° S. On the surface this fault is now very much iron-stained and is composed dominantly of limonite. Considerable pyrite is on the dump near the shaft, and, thus, it is inferred that the main sulphide was pyrite. In the hanging wall area of this fault are a number of narrow, subsidiary fractures, quite concentrated in a zone approximately five to ten feet thick, which have been filled with galena. Although no oxides of ore minerals were recognized, the area of the fractures has been considerably oxidized, and it may be that some zinc was originally present with the lead minerals. A number of shallow pits have explored this zone of narrow fractures, and one short adit has cut completely through the zone. The Bureau of Mines representative took a grab sample of the richer looking portion of this zone and obtained an assay result of 8.8 percent lead with only very low values for zinc, silver, and gold. A shipment of ore from the dump near the shaft was made in 1952, in which there was 12.7 percent lead. It is assumed that this ore came from depth in the shaft, and the grade represents that of the better specimens of ore.

It is reported in the Professional Paper report that the shaft was bottomed in heavy iron sulphide. There is a possibility that this fault has been thoroughly replaced by pyrite with minor amounts of galena.

In the high, steep banks bordering the Pend Oreille River, excellent exposures of the limestone occur. At various locations on these banks are concentrations of pyrite, now accented by much oxidized iron stain. These iron showings are somewhat erratic in occurrence, with no particular pattern or recognizable control for their location. It is believed that perhaps the fault on which the shaft was sunk represents one such kind of concentration of iron sulphides.

Although it has been reported that the Hecla Mining Company sank the shaft on the property, the applicant was not able to obtain any information from representatives of that company as to what occurs in the walls of the shaft at depth. No other geologic information is available concerning the shaft or the 200-foot long adit.

PAST OPERATIONS

Mr. R. L. Lakin of Spokane originally located the property about 1920 and made some small shipments of ore. There is no record of these shipments.

In 1927, the Hecla Mining Company sunk a 90-foot inclined shaft and drove a 200-foot adit. No ore was shipped by the Hecla Mining Company.

In 1952, a lessor, William E. Curtis, mined and shipped (July 29, 1952) 5,642 pounds (dry weight) of ore from the surface to the Consolidated Mining and Smelting Company at Trail, B. C. This shipment assayed

as follows:

Gold	-	Trace
Silver	-	2 oz. per ton
Lead	-	12.7 percent
Zinc	-	0.3 percent
Sulphur	-	1.8 percent
Iron	-	1.1 percent
Lime	-	27.4 percent
Arsenic	-	0.3 percent
Antimony	-	0.1 percent

DISCUSSION

Although it was believed at the time of the examination that the flooded shaft could easily be dewatered, subsequent discussion with the applicant brought out the fact that he had attempted at one time to dewater the shaft and had found a great amount of loose rock and other detritus obstructing access to the lower portions of the shaft. The applicant does not have the funds at present to prepare the shaft for inspection.

Results of examination of surface exposures and other information available concerning the ore at the Lucky Strike group is not sufficiently promising to encourage more exploration. If the shaft could be cleared and the now caved 200-foot long adit rehabilitated, information gained from an inspection of these workings may be sufficiently encouraging to warrant further work. It is not believed this rehabilitation should be part of an exploration project contract.

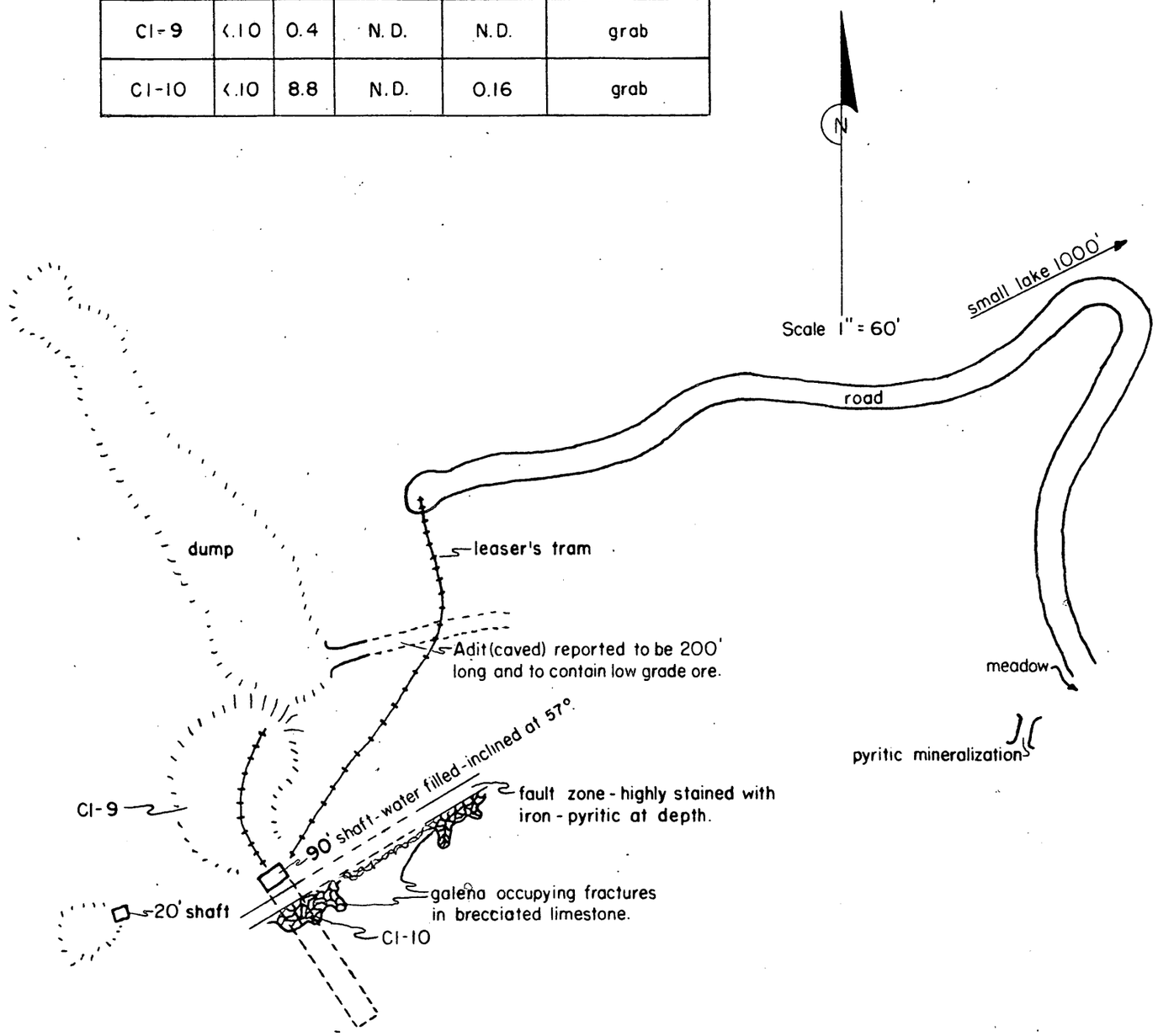
In other areas in the Metaline Falls district, diamond drilling has been successful in delineating ore which occurs in an horizon in the Metaline Limestone formation near the Ledbetter Slate. It is believed the ore at the Lucky Strike Mine is much lower stratigraphically than the more important productive zones and thus does not give much promise of being of sufficient size to be delineated by diamond drilling. Because the ore occurrences are so sporadic in occurrence and the topography is too flat to permit favorable angles of intersection with the supposed ore zone, it is not believed that diamond drilling would be a conclusive method of exploring deeper extensions of the narrow fracture zone.

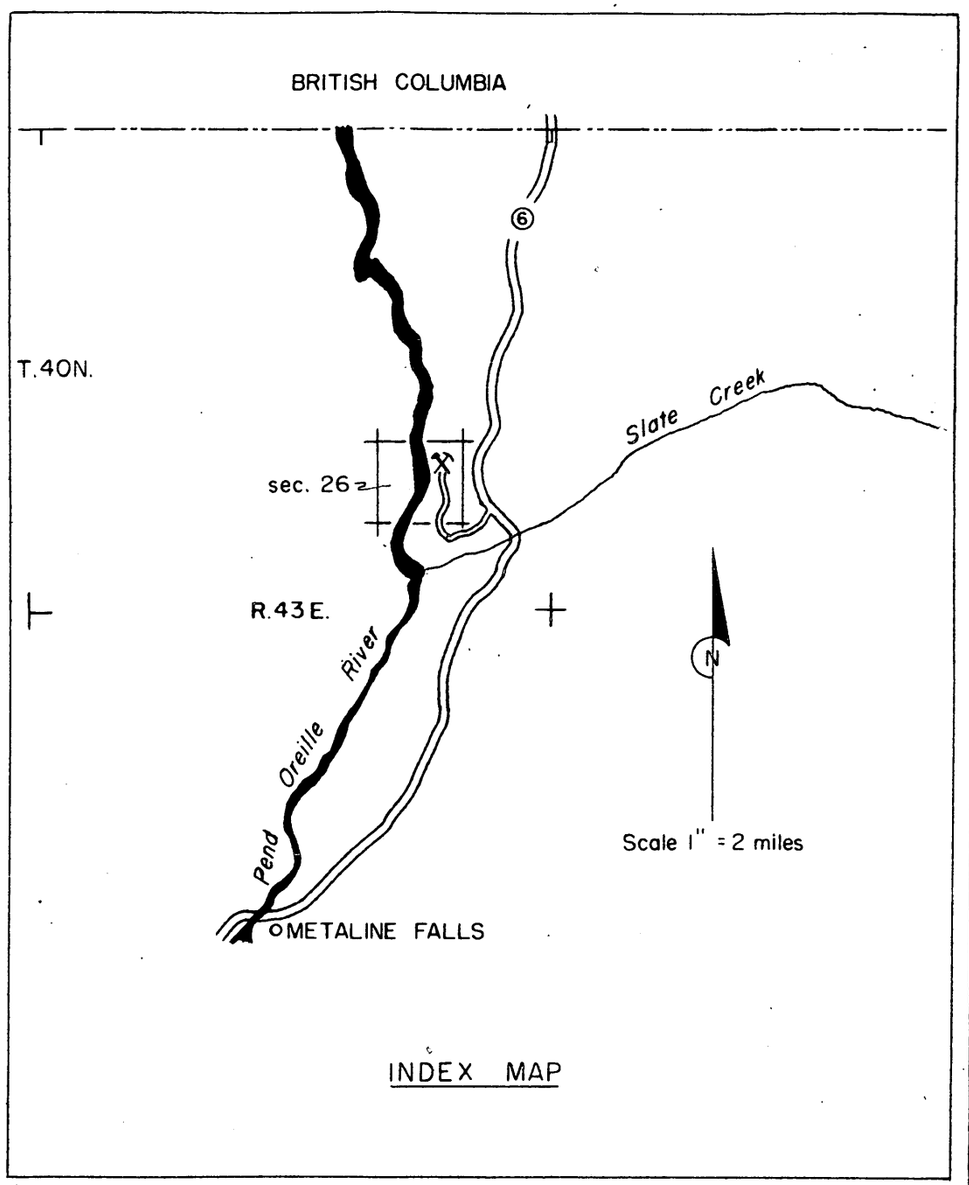
Enclosure

Distribution:
DMEA(4)
USBM(5)
Docket
USGS(SRO)
Puffett

BUREAU OF MINES SAMPLES

Sample No.	% Zn	% Pb	oz Au/ton	oz Ag/ton	Remarks
CI-9	<.10	0.4	N.D.	N.D.	grab
CI-10	<.10	8.8	N.D.	0.16	grab





INDEX MAP

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

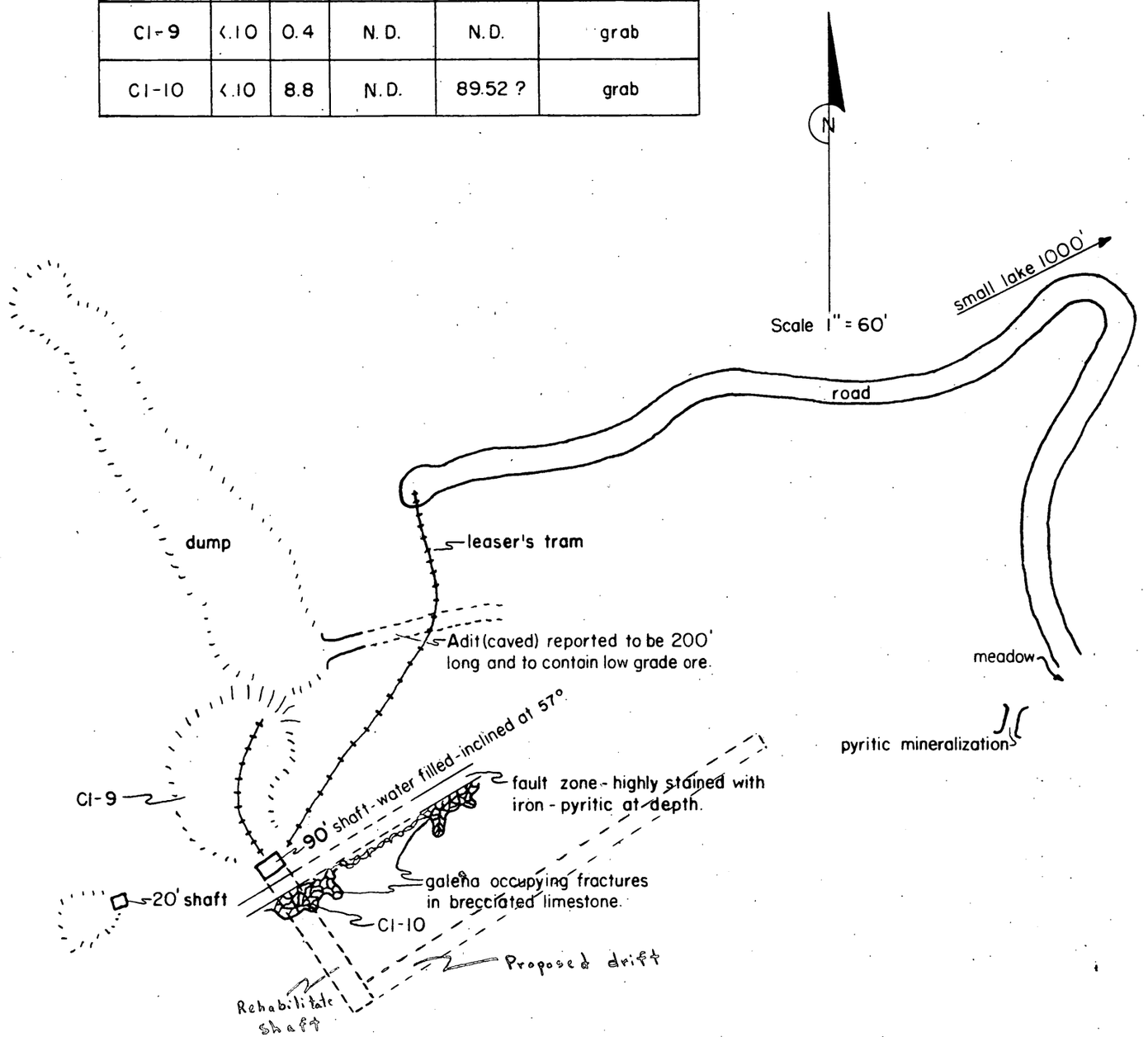
LUCKY STRIKE PROSPECT
PEND OREILLE COUNTY, WASH.

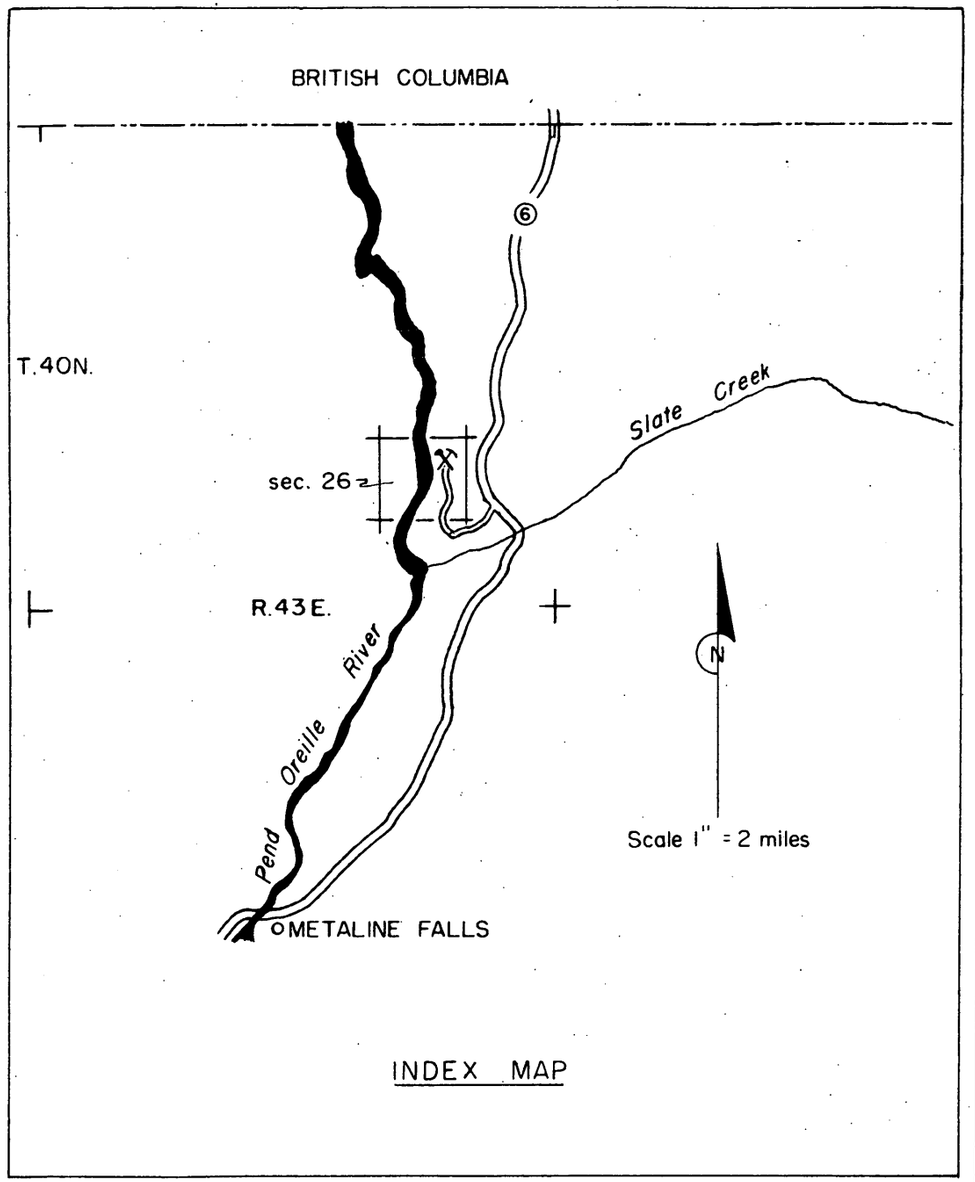
ENG'R. L. CHICHESTER	DEC. 1952
DRAWN L. G. C.	

D.M.E.A. Docket No. 2908

[redacted] SAMPLES

Sample No.	%Zn	%Pb	oz Au/ton	oz Ag/ton	Remarks
CI-9	<.10	0.4	N.D.	N.D.	grab
CI-10	<.10	8.8	N.D.	89.52 ?	grab





[redacted]

LUCKY STRIKE PROSPECT

PEND OREILLE COUNTY, WASH.

[redacted]

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 7/7/53

REFERRED TO: Code 500, Rm. 4058

1.
2.
3.
4.

FOR:

..... Action	..... Recommendation
..... Approval	..... Record
..... Comment	of .....
..... Conference	..... Referring
..... Consideration	to.....
..... Filing	..... Reply for signa-
..... Instructions	ture of .....
..... Investigation	..... Rewriting
..... Initials	..... Signature
..... Mailing	..... Suggestions
..... Previous correspondence	..... Your information

REMARKS: .....

Check (X) before the items needing attention.

ROBERT E. ADAMS

Initials of sender.

GPO 16—63815-1