DMA Form 1.

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA ~~DMA~~ Docket No. 2409

DO NOT DETACH THIS SLIP

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

This document has been recorded as

EXPLORATION PROJECT

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

Routing Slip

To:	Code 600, Rm. 4637	Date	3-5-52
To:	Operating Com.	Date	3-26-52
To:	Op. Com DMEA 29372	Date	8-19-53
To:		Date	
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DO NOT DETACH

CONTROLLED DOCUMENT

JUL 15 1952

600

Mr. Frank Sierema
Box 336
Franklin, North Carolina

Subject: Docket No. DMRA-2409 - Mica
(Formerly DMRA-2320)
Angel Wilder (Mathels Mine)
Macon County, North Carolina

Dear Mr. Sierema:

A copy of your letter and enclosures of June 28, 1952, in reference to the subject application has been forwarded to this office.

If you obtain a valid lease on this mine and wish to apply for exploration assistance, please submit a new application as dockets are not transferred from one applicant to another. The processing of a new application on this mine will be expedited when all the information has been recieved.

Sincerely yours,

Lawrence G. Houk, Chief
Non-Metallic Minerals Division
Defense Minerals Exploration
Administration

SAFeitler:gad 7/11/52

Copy to: Admin. Reading File
Docket File
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Houk

Mr. Bob Angel

Franklin, North Carolina

Subject: Docket No. DMEA-2409 - Mica
Angel Wilder (Nuthole) Mine
Macon County, North Carolina

Dear Mr. Angel:

This letter is in reference to the subject application for exploration assistance at the Angel-Wilder Mine.

Section 8 of DMEA Order-1 states: "The operator must have, preserve, and maintain a sufficient interest in the land, as owner, lessee, or otherwise, for the purposes of the exploration contract." According to the data in our docket this mine is located on Tract 1031a in the Nantahala National Forest.

In view of the above and as the Government is unable to enter into an exploration contract with you because you have no valid lease or other interest in the land, your application must be denied.

Thank you for your willingness to cooperate in the defense effort.

Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Administrator
Defense Minerals Exploration
Administration

SaFeitler:gad 7/11/52

Copy to: Admin. Reading File
Docket File
Operating Committee (2)
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Houk

600

MAR 27 1952

Mr. Robert A. Laurence
Executive Officer
DMEA Field Team, Region VII
Room 13, Post Office Building
Knoxville 1, Tennessee

Subject: Docket No. DMEA-2409 - Mica
Angel-Wildes Mine
(Formerly DMEA-2220)
Macon County, North Carolina

Dear Mr. Laurence:

The attached docket material is for the above application submitted by Zeb Angel. The applicant states that $60,000 worth of mica was sold between the years 1895 and 1906.

Please arrange a field examination at your convenience. An exploration program should be worked out with the applicant, if warranted.

Sincerely yours,

(signed) FRANK E. JOHNSON

Chairman, Operating Committee
Defense Minerals Exploration
Administration

Enclosures - 5
Approved:

J. H. Hedges

For Bureau of Mines

T. P. Thayer

For Geological Survey

SAFeitler:mp 3/24/52
cc: Operating Committee
Adm. Reading File
Mr. Dietrich, 3526
Mr. Norton, G-332, GSA Bldg.
Docket File
Mr. Houk

603

MAR 2 7 1952

Mr. Zeb Angel
Franklin, North Carolina

Subject: Docket No. DMEA 2409 - Mica
Bud Wildes Prospect
Macon County, North Carolina

Dear Mr. Angel:

Your application is being referred to Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region VII, Room 13, Post Office Building, Knoxville 1, Tennessee, for further information.

Sincerely yours,

C. O. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

SAFeitler:gad 3/24/52

Copy to: Admin. Reading File
Mr. Norton, G-232, GSA Bldg.
Mr. Dietrich, 3526
Region VII (2)
Docket File
Mr. Houk

July 11, 1952

Memorandum

To: C. O. Mittendorf, Acting Administrator, DMEA

From: S. A. Feitler, Non-Metallic Minerals Division, DMEA

Subject: Resume, Docket No. DMEA-2409 - Mica
(Formerly DMEA-2220)
Angel-Wilder (Mudhole) Mine
Macon County, North Carolina

Current action: Letter of denial because lease is not valid. (Property would merit exploration if valid lease is obtained. New application will be required as this has become too involved with transfers and subsidiary agreements.)

Alleged $60,000 mica production between 1895 and 1906 is questioned by the Field Team because the openings are too small. The mine was worked intermittently between 1930 and 1940. The area northeast of the road is reported to have yielded "considerable" mica but water problems caused many interruptions.

Where exposed southwest of the road (map with field report) the pegmatite is 12 to 15 feet thick with a quartz core approximately 5 feet thick. Mica fragments are flat, clear, hard, and ruby colored.

The Field Team recommends:

1. Denial.
2. Exploration
   a) Rehabilitate 27 foot shaft and deepen to 60 feet.
   b) Drift 60 feet from bottom of shaft.

The Field Team apparently believes the property, in itself, merits exploration. Their doubts about the project are probably based largely on the following:

1. The lease is not valid (see below 6/17/52).
2. Frank Sierema is or will be connected with the operation.

Chronology

10/29/51 Lease Johnson to Sierema.
11/6/51 Sale of lease - Sierema to Angel.
11/6/51 Application - DMEA-2220. Zeb Angel.
11/6/51 Landlord's Subordination.

11/30/51 Agreement to split profits - but not a partnership - Angel and Siersma.
12/26/51 Survey recommends denial.
1/15/52 Denial letter - no field examination.

* * *

2/20/52 Additional information received.
2/20/52 DMEA-2409 Applied.
3/12/52 Bureau recommends field examination.
3/20/52 Survey recommends denial.
3/27/52 Field examination requested.
6/6/52 Field report received.
Marginal approval - Ownership of land and validity of lease in doubt.
6/16/52 Survey recommends denial (Not account of lease.)
6/17/52 Ownership - Legal opinion - Forest Service.
Letter from Laurence transmitting legal opinion from Forest Service. They own the mineral rights.
7/2/52 Letter from Laurence transmitting:
1) 6/28/52 - Siersma letter acknowledging United States ownership. (copy)
2) 6/28/52 Additional information re lease from Siersma.
3) 6/28/52 Sale of lease (copy) Angel to Siersma.
4) 6/23/52 Siersma application for lease from Bureau of Land Management (copy).
7/11/52 Denial letter. Applicant lacks necessary interest in the property.
7/11/52 Letter to Siersma - New application may be filed, if lease obtained.

SAFeitler:gad 7/11/52
Copy to: Admin. Reading File
Docket File
Mr. Houk

JB

FILE COPY
SURNAME:

UNITED STATES
DEPARTMENT OF THE INTERIOR
600
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

AUG 20 1953

Hopkins
Houk
Dietrich
Martin
Larrabee
Johnson
Selfridge

Mr. Frank Sierema
P. O. Box 336
Franklin, North Carolina

Re: Docket No. DMEA-2937 - Mica
Wildes Cove Mine
Macon County, North Carolina

Dear Mr. Sierema:

Your application for aid for an exploration project and other data 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 mica on your lease, 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 lease to our attention.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

JHopkins:gad 8/14/53
Copy to: Admr. R. File
Docket File
Field Team, Region VII
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

HHK
8-20-53

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

August 17, 1953

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Closing Review of Docket No. DMEA-2937 - Mica
Frank Siersma
Wildes Cove Mine
Macon County, North Carolina

Closing letter: Denial of application attached.

Resume:

Application, submitted March 23, 1953, proposes to explore a mica deposit by sinking a shaft to a depth of 65 feet on a pegmatite and driving two drifts 75' each from the bottom of the shaft at a cost of $5,719.00. Applications on this deposit have been denied under Dockets DMEA-2220 and 2409 primarily because title was obscure. This application is denied because the Nonmetallic Minerals Division concurs with Mr. Larrabee's statement that "No evidence has been produced to indicate that a significant discovery of stretegic mica can be made, and the chances are extremely small".

Docket Summary:

6/4/52 Field Team recommends exploration program on this property on Docket No. DMEA-2409 to cost $4,110.00, but also stating they were only "lukewarm" towards the project.

3/25/53 Memorandum from J. J. Norton, USGS, favors denial of application but recommends referral to the field team.

4/7/53 Memorandum from W. F. Dietrich, USBM, favors an exploration program on the basis of field teams recommendation in Field Report on Docket No. DMEA-2409, dated April 16, 1952, and June 4, 1952.

4/1/53 Applicant obtains lease from Bureau of Land Management.

4/16/53 Application referred to Region VII.

5/14/53 Memorandum from Field Team states that recommendations contained in their memorandum of June 4, 1952, on Docket No. DMEA-2409 are still valid. However, work should be converted to unit cost basis as follows:

Preparation of shaft site	$240.00
Tool house 12'x12'	150.00
27-ft. Shaft @ $10.00/ft.	270.00
33 feet of timbered shaft @ $50.00/ft.	1650.00
60 feet of drifts @ $35.00/ft.	1800.00
Estimated Total Cost	$4,110.00

5/22/53 Memo from D. M. Larrabee, USGS, recommends denial because, "No evidence has been produced to indicate that a significant discovery of strategic mica can be made, and the chances are extremely small".

6/1/53 USBM memo recommends exploration program in amount of $4,110.00.

8/12/53 Application denied because of the improbability of making a significant discovery.

James Hopkins
Nonmetallic Minerals Division

FILE COPY
SURNAME:

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

August 17, 1953

Hopkins
Houk
Dietrich
Martin
Larrabee
Jolevson

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Closing Review of Docket No. DMEA-2937 - Mica
Frank Siersma
Wildes Cove Mine
Macon County, North Carolina

Closing letter: Denial of application attached.

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8/12/53 Application denied because of the improbability of making a significant discovery.

SIGNED

James Hopkins
Nonmetallic Minerals Division

JHopkins:gad 8/17/53

Copy to: Admr. R. File
Docket File
Mr. Houk

HHK 8-20-53

FILE COPY
SURNAME:

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

600

JUL 24 1952

Mr. Frank Sierema
Suite 19 Bank Building
Franklin, North Carolina

Subject: Mica
Macon County
North Carolina

Dear Mr. Sierema:

Thank you for your letter of July 16, 1952, referring to your application to the Bureau of Land Management for a lease on the Wildes (Medhole) Mine in the Nantahala National Forest, Macon County, North Carolina.

Your request for an opinion as to the sufficiency of the above lease application for a contract with Defense Minerals Exploration Administration is being answered by Mr. Frank E. Johnson, Acting Administrator. His answer should be in your hands shortly.

Sincerely yours,

SIGNED

(signed)

Lawrence G. Houk, Chief
Non-Metallic Minerals Division
Defense Minerals Exploration
Administration

7/24/52
E.P.F.

SAFeitler:mp 7/23/52
cc: Mails and Files
Adm. Reading File
Mr. Dietrich, 3526
Mr. Norton, G-232, GSA Bldg.
Field Team, Region VII
Mr. Houk

MINE & MINERAL
CONSULTANT

FRANK SIERSMA
SUITE 19 BANK BUILDING
FRANKLIN, NORTH CAROLINA

TELEPHONE 791
MAIL ADDRESS:
P. O. BOX 336

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 21 1952

July 16, 1952

Mr. Lawrence G. Houk, Chief
Non-Metallics Minerals Division
Defense Minerals Expl. Adm.
Washington 25, D. C.

Re: Docket No. DMEA-2409 - Mica
Wildes (Mudhole Mine)
Macon County, N. C.

Dear Mr. Houk:

Reference is being made to your letter of July 15.

I originally secured a lease to this property from an individual who claimed ownership. It was recently brought to my attention that title rests with the U.S. Forest Service. My application to the Bureau of Land Management, Department of the Interior, for a direct lease cleared through the local office of USFS. Under date of July 8, 1952, BLM issued the following acknowledgement:

> B.L.M.-A 031773 (No. Car.) PARENT SERIAL NUMBER
> Mineral Application
> APPLICANT:
> Frank Siersma, P.O. Box 336, Franklin, N.C.
> Advance Filing Fee and/or Rental - - $5.00

My understanding is that there will be no question as to issuance of lease to me when a "Parent Serial Number" is issued. However, as you may know, the completed lease may not reach me for several months.

I do not know if you can consider the above as sufficient to warrant entering into a contract with me to explore the property, but would appreciate receiving your opinion in connection therewith.

Sincerely yours,

Frank Siersma

Frank Siersma

FTS:em

FILE COPY
SURNAME:

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

600

JUL 24 1952

S A Feitler
Houk
F E Johnson

Mr. Frank Sierema
Suite 19 Bank Building
Franklin, North Carolina

Subject: Mica
Nantahala National Forest
Macon County, North Carolina

Dear Mr. Sierema:

This is in answer to your letter of July 19, 1952, inquiring about the possibility of this agency executing an exploration contract based on your application to the Bureau of Land Management, for a lease on the Wilder (Mudhole) Mine in Macon County, North Carolina.

DMEA Order-1 is explicit on this point. It provides under Section 8:

> "The Operator must have, preserve, and maintain a sufficient interest in the land as owner, lessee, or otherwise, for the purposes of the exploration project contract."

You may apply for exploration assistance now and forward a copy of your lease when you receive it. This procedure will expedite the processing of your application, but a contract may not be executed until we have a copy of the lease.

We trust that this is the information you need.

Enclosed are five copies of form MP-103 and a copy of DMEA Order-1.

Sincerely yours,

7/24/52
E.P.R.

(signed) FRANK E. JOHNSON (B.D.H.)
Acting Administrator
Defense Minerals Exploration
Administration

Enclosures - 6

SAFeitler:mp 7/23/52
cc: ~~[illegible]~~
Mails and Files
Adm. Reading File
Mr. F. E. Johnson, 4624
Mr. Dietrich, 3526
Mr. Norton, G-232, GSA Bldg.
Field Team, Region VII
Mr. Houk

MINE & MINERAL
CONSULTANT

FRANK SIERSMA
SUITE 19 BANK BUILDING
FRANKLIN, NORTH CAROLINA

TELEPHONE 791
MAIL ADDRESS:
P. O. BOX 336

July 19, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 21 1952

Mr. Frank E. Johnson
Acting Administrator - DMEA
Department of Interior
Washington 25, D. C.

Re:Docket No. DMEA - 2409 - Mica
Angel Wildes (Mudhole) Mine
Macon County, North Carolina

Dear Mr. Johnson:

Your letter of July 15 was addressed to Mr. Jeb Angel in connection with the above application. Papers connected with that application show that the lease was originally placed in my name, transferred to Mr. Angel with a working arrangement between us, and then returned to me. As to my interest in the property I quote below my letter of July 16 to Mr. L. G. Houk, Chief, Non-Metallic Minerals Division;

"Dear Mr. Houk:

Reference is being made to your letter of July 15.

I originally secured a lease to this property from an individual who claimed ownership. It was recently brought to my attention that title rests with the U.S. Forest Service. My application to the Bureau of Land Management, Department of the Interior, for a direct lease cleared through the local office of USFS. Under date of July 8, 1952, BLM issued the following acknowledgement:

B.L.M.-A 031773 (No. Car.) PARENT SERIAL NUMBER
Mineral Application
APPLICANT:
Frank Siersma,P.O.Box 336, Franklin, N.C.
Advance Filing Fee and/or Rental - - $5.00

My understanding is that there will be no question as to issuance of lease to me when a "Parent Serial Number" is issued. However, as you may know, the completed lease may not reach me for several months.

I do not know if you can consider the above as sufficient to warrent entering into a contract with me to explore the property, but would appreciate receiving your opinion in connection therewith."

I trust the above will clear any objectionable features and that a contract may be issued for the desired exploration.

Sincerely

Frank Siersma

Frank Siersma

FS:hs

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

Room 13, Post Office Building
Knoxville, Tennessee

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JUL 23 1952

July 21, 1952

Memorandum

To: L. G. Houk, Acting Chief, Non-Metallic Minerals Div.

From: Executive Officer, DMEA-Region 7

Subject: DMEA-2409 and 2410 (mica) Zeb Angel, applicant.

It was noted in the denial of DMEA 2409 (Wildes Mine), that the application for assistance cannot be transferred to another individual (in this case, F. T. Siersma).

Please note that Mr. Siersma has also re-purchased the Ortha Roper lease (DMEA 2410) from Zeb Angel. Although we recommended a small amount of work at the ortha Roper, Mr. Siersma should be advised to file a new application, as in the case of the Wildes.

Robert A. Laurence
Robert A. Laurence

FILE COPY
SURNAME:

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

JUL 15 1952

SAFeitler
Angel
Johnson
Kelley
Bauer
FEJohnson

Mr. Rob Angel
Franklin, North Carolina

Subject: Docket No. DMEA-2409 - Mica
Angel Wildes (Nantahala) Mine
Macon County, North Carolina

Dear Mr. Angel:

This letter is in reference to the subject application for exploration assistance at the Angel-Wildes Mine.

Section 8 of DMEA Order-1 states: "The operator must have, preserve, and maintain a sufficient interest in the land, as owner, lessee, or otherwise, for the purposes of the exploration contract." According to the data in our docket this mine is located on Tract 103la in the Nantahala National Forest.

In view of the above and as the Government is unable to enter into an exploration contract with you because you have no valid lease or other interest in the land, your application must be denied.

Thank you for your willingness to cooperate in the defense effort.

Sincerely yours,

7/15/52

(signed) FRANK E. JOHNSON (for)

Acting Administrator
Defense Minerals Exploration Administration

SaFeitler:gad 7/11/52

Copy to: Admin. Reading File
Docket File
Operating Committee (2)
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Hook

FILE COPY
SURNAME:

Feitler
Home

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

July 11, 1952

Memorandum

To: G. O. Mittendorf, Acting Administrator, DMEA

From: S. A. Feitler, Non-Metallic Minerals Division, DMEA

Subject: Resume, Docket No. DMEA-2409 - Mica
(Formerly DMEA-2220)
Angel-Wilder (Mudhole) Mine
Macon County, North Carolina

7/15/52

Current action: Letter of denial because lease is not valid. (Property would merit exploration if valid lease is obtained. New application will be required as this has become too involved with transfers and subsidiary agreements.)

Alleged $60,000 mica production between 1895 and 1906 is questioned by the Field Team because the openings are too small. The mine was worked intermittently between 1930 and 1940. The area northeast of the road is reported to have yielded "considerable" mica but water problems caused many interruptions.

Where exposed southwest of the road (map with field report) the pegmatite is 12 to 15 feet thick with a quartz core approximately 8 feet thick. Mica fragments are flat, clear, hard, and ruby colored.

The Field Team recommends:

1. Denial.
2. Exploration
   a) Rehabilitate 27 foot shaft and deepen to 60 feet.
   b) Drift 60 feet from bottom of shaft.

The Field Team apparently believes the property, in itself, merits exploration. Their doubts about the project are probably based largely on the following:

1. The lease is not valid (see below 6/17/52).
2. Frank Sierama is or will be connected with the operation.

<u>Chronology</u>

10/29/51 Lease Johnson to Sierama.
11/6/51 Sale of lease - Sierama to Angel.
11/6/51 Application - DMEA-2220. Zeb Angel.
11/6/51 Landlord's Subordination.

11/30/51 Agreement to split profits - but not a partnership - Angel and Siersma.
12/26/51 Survey recommends denial.
1/15/52 Denial letter - no field examination.

* * *

2/20/52 Additional information received.
2/20/52 DMEA-2409 Applied.
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1) 6/28/52 - Siersma letter acknowledging United States ownership. (copy)
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7/11/52 Denial letter. Applicant lacks necessary interest in the property.
7/11/52 Letter to Siersma - New application may be filed, if lease obtained.

SAFeitler:gad 7/11/52
Copy to: Admin. Reading File
Docket File
Mr. Houk

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

July 11, 1952

Memorandum

To: C. O. Mittendorf, Acting Administrator, DMEA

From: S. A. Feitler, Non-Metallic Minerals Division, DMEA SAF

Subject: Resume, Docket No. DMEA-2409 - Mica
(Formerly DMEA-2220)
Angel-Wildes (Mudhole) Mine
Macon County, North Carolina

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Letter from Laurence transmitting legal opinion from Forest Service. They own the mineral rights.
7/2/52 Letter from Laurence transmitting:
1) 6/28/52 - Siersma letter acknowledging United States ownership. (copy)
2) 6/28/52 Additional information re lease from Siersma.
3) 6/28/52 Sale of lease (copy) Angel to Siersma.
4) 6/28/52 Siersma application for lease from Bureau of Land Management (copy).
7/11/52 Denial letter. Applicant lacks necessary interest in the property.
7/11/52 Letter to Siersma - New application may be filed, if lease obtained.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

July 11, 1952

Memorandum

To: C. O. Mittendorf, Acting Administrator, DMEA

From: S. A. Feitler, Non-Metallic Minerals Division, DMEA SAF

Subject: Resume, Docket No. DMEA-2409 - Mica
(Formerly DMEA-2220)
Angel-Wilder (Mudhole) Mine
Macon County, North Carolina

Current action: Letter of denial because lease is not valid. (Property would merit exploration if valid lease is obtained. New application will be required as this has become too involved with transfers and subsidiary agreements.)

Alleged $60,000 mica production between 1895 and 1906 is questioned by the Field Team because the openings are too small. The mine was worked intermittently between 1930 and 1940. The area northeast of the road is reported to have yielded "considerable" mica but water problems caused many interruptions.

Where exposed southwest of the road (map with field report) the pegmatite is 12 to 15 feet thick with a quartz core approximately 8 feet thick. Mica fragments are flat, clear, hard, and baby colored.

The Field Team recommends:

1. Denial.
2. Exploration
   a) Rehabilitate 27 foot shaft and deepen to 60 feet.
   b) Drift 60 feet from bottom of shaft.

The Field Team apparently believes the property, in itself, merits exploration. Their doubts about the project are probably based largely on the following:

1. The lease is not valid (see below 6/17/52).
2. Frank Sierama is or will be connected with the operation.

<u>Chronology</u>

10/29/51 Lease Johnson to Sierama.
11/6/51 Sale of lease - Sierama to Angel.
11/6/51 Application - DMEA-2220. Zeb Angel.
11/6/51 Landlord's Subordination.

11/30/51 Agreement to split profits - but not a partnership - Angel and Siersma.
12/26/51 Survey recommends denial.
1/15/52 Denial letter - no field examination.

* * *

2/20/52 Additional information received.
2/20/52 DMEA-2409 Applied.
3/12/52 Bureau recommends field examination.
3/20/52 Survey recommends denial.
3/27/52 Field examination requested.
6/6/52 Field report received.
Marginal approval - Ownership of land and validity of lease in doubt.
6/16/52 Survey recommends denial (Not account of lease.)
6/17/52 Ownership - Legal opinion - Forest Service.
Letter from Laurence transmitting legal opinion from Forest Service. They own the mineral rights.
7/2/52 Letter from Laurence transmitting:
1) 6/28/52 - Siersma letter acknowledging United States ownership. (copy)
2) 6/28/52 Additional information re lease from Siersma.
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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~

Room 13, Post Office Building
Knoxville, Tennessee

July 2, 1952

Memorandum

To: Operating Committee, D.M.E.A. Washington

From: Executive Officer, DMEA-Region VII

Subject: DMEA-~~2220,~~ 2409 Frank Siersma, applicant. (mica).

Enclosed herewith a copy of a letter from Frank Siersma of Franklin, N. C., and three pages of information relative to the subject application.

As pointed out in previous correspondence, Mr. Siersma has taken over this tract from Zeb Angel, the original applicant, although apparently Mr. Angel actually never had a valid lease. Now that it has apparently been determined that the Forest Service owns the mineral rights, Mr. Siersma has applied for a mining lease through the Bureau of Land Management.

Robert A. Laurence

Robert A. Laurence

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 9 1952

COPY

FRANK SIERSMA
Suite 19 Bank Building
Franklin, North Carolina

June 28, 1952

Mr. Robert A. Laurence
DMEA Executive Officer
Room 13, P.O. Building
Knoxville, Tennessee

RE: DMEA-~~2220~~ 2409
WILDES MINE

Dear Mr. Laurence:

It has apparently been determined that the U. S. Forest Service holds title to the Wildes Mine.

I am enclosing herewith three sheets explaining the situation, my interest in the property and steps being taken to insure such interest.

I trust, with this information, you may now be able to forward your report to Washington and that the request loan may soon be granted.

Sincerely yours,

/s/

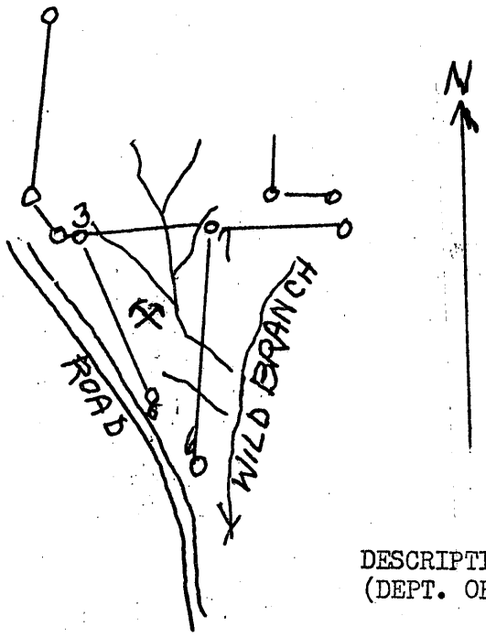
Frank Siersma

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 9 1952

copied: zm
7/2/52

6/28/52 DMEA-~~2220~~ 2409 (WILDES MICA MINE) FRANK SIERSMA BOX 336 FRANKLIN, N.C.

APPLICATION WAS ORIGINALLY MADE IN THE NAME OF ZEB ANGEL, WHO WAS ASSOCIATED WITH FRANK SIERSMA UNDER A WORKING ARRANGEMENT. FRANK SIERSMA PURCHASED THE INTEREST OF ZEB ANGEL ON JUNE 5, 1952; PER COPY OF INSTRUMENT ATTACHED. LEASE TO THIS MINE HAD BEEN SECURED FROM BESSIE JOHNSON. IT HAS SINCE BEEN DETERMINED THAT TITLE IS VESTED IN THE U.S. GOVERNMENT, UNDER THE U.S. FOREST SERVICE, WHO SUPPLIED THE FOLLOWING DESCRIPTION AND MAP:



DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 9 1952

PART (20 ACRES)

MACON COUNTY SUPPLY CO. TRACT 1031a

NANTAHALA NAT. FOREST, MACON CO., N.C.

1" - 20 CHAINS

DESCRIPTION FURNISHED BY U.S. FOREST SERVICE (DEPT. OF AGRICULTURE) FRANKLIN, N. C.

"In the Nantahala National Forest, Macon County, North Carolina, being part of Forest Service Tract #1031a, Macon County Supply Co., more specifically described as beginning at Corner 3 of said tract, on south bank of small stream, a 20" maple scribed "F.S.3"; thence S 24 deg. 44' E., 20.13 chains to Corner 4 in edge of old field, a 4" x 4" chestnut post; thence S 3 deg. 20' E., 1.00 chain to Corner 5 in field a pine stump and 4 x 4 chestnut post; thence 41 deg. 50' E., 8.00 chains to Corner 6 in open field, a 4 x 4 post; thence N.1 deg. 28' E., 27.28 chains to Corner 7 of said tract, a black oak snag with corner marks and 4 x 4 chestnut post, scribed "F.S.7"; thence a straight line westerly to place of beginning; containing 20 acres, more or less".

* * *

After discussing this subject with Mr. Paul Russell of the U.S. Forest Service, Franklin, N. C., office, they agreed to provide Frank Siersma with a "Special Use Permit" covering Tract 1031a (Part 20 acres) - being the Wildes Mine. Purpose of said permit - "conducting mining operations thereon, with right of ingress, egress and regress, to install and remove buildings and equipment when and if required, and to do all things necessary in normal mining operations". Application, accordinly, has been made and fee agreed upon.

Further, with the assistance of the U.S. Forest Service, application has been made to the Bureau of Land Management, Department of the Interior, Washington 25, D.C., for a term mining lease covering Tract 1031a. Copy of same is attached.

Applicant has been advised that no application to lease the above tract has thus far been received; thus the application of Applicant will receive priority.

- - - - - -

RECEIVED
JUL - 2 1952
U. S. Geological Survey
Geologic Division
Knoxville, Tenn.

6/28/52 DMEA-2220 (WILDES MICA MINE) FRANK SIERSMA BOX 336 FRANKLIN, N.C.

COPY OF SALE FROM ZEB ANGEL TO FRANK SIERSMA:

THIS INDENTURE, Made and entered into this the 5th day of June, 1952, by and between ZEB ANGEL of Macon County, North Carolina, party of the first part, and FRANK T. SIERSMA of Macon County, North Carolina, party of the second part:

WITNESSETH: That for and in consideration of the sum of ONE ($1.00) DOLLAR, and other good and valuable considerations, the receipt of which is acknowledged by the party of the first part, the said party of the first part has bargained, sold and conveyed, and by these presents does bargain, sell and convey unto the party of the second part, his heirs and assigns, all right, title, interest and estate in and to the following leases:

1. The lease made and entered into on October 29, 1951, by and between Bessie Johnson, Guardian of Elmer Johnson, and Frank T. Siersma, and recorded in Book A-6, page 300, Public Registry of Macon County, North Carolina,

2. The lease made and entered into on November 3, 1951, by and betweenOrpha Toper and Wife, Bulah Roper, and Frank T. Siersma, and recorded in Book A-6, at page 322, Public Registry of Macon County, North Carolina.

Specific reference is hereby made to the foregoing Public Records for the lands and property covered by said leases and the terms and conditions of said leases or each of them.

AND for the same consideration as heretofore set forth the said party of the first part stipulates and agrees that the agreement heretofore entered into between himself and the party of the second part on November 10, 1951, and recorded in Book A-6, at page 325, Public Registry of Macon County, North Carolina, shall be and is hereby cancelled and shall be of no further force and effect; and that said party of the second part, his heirs and assigns, have been released, and by these presents are hereby released from any and all claims, rights or interests of the party of the first part, arising out of or in any manner whatsoever connected with said agreement.

TO HAVE AND TO HOLD the above said leases, rights and interests unto the party of the second part, his heirs and assigns, to his only use and behoof, free and clear from any rights, claims or interests whatsoever of the party of the first part in said leaseholds, or by virtue of the agreement hereinabove set forth.

IN WITNESS WHEREOF, the party of the first part has hereunto set his hand and seal, this the 5th day of June, 1952.

s/ ZEB ANGEL (SEAL)

NORTH CAROLINA
MACON COUNTY

The execution of the foregoing instrument was this day acknowledged before me by ZEB ANGEL, for the purpose therein expressed.
WITNESS my hand and seal, this the 5th day of June, 1952.

s/ NEAL JOHNSTON
Notary Public

(RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS FOR MACON COUNTY ON JUNE 6, 1952, IN BOOK A-6, page 503).

6/28/52 DMEA-~~2220~~ 2409 (WILDES MICA MINE) FRANK SIERSMA BOX 336 FRANKLIN, N. C.

COPY OF APPLICATION FOR LEASE:

Bureau of Land Management
Department of the Interior
Washington 25, D. C.

Attention: Mr. L. E. Hoffman, Chief
Branch of Minerals, Div. of Adjudication

Gentlemen:

Subject to the terms and conditions of the Act pertaining to mineral leases, I desire to apply for a lease covering:

> Part (20 acres) Macon County Supply Co. Tract No. 1031a, Nantahala Nat. Forest, Macon County, N. C. Map and description, as furnished by the U.S. Forest Service at Franklin, N.C., is attached.

Lease terms and conditions, as stated in Sec. 200.35 of Circular No. 1668, are understood. In accordance with said Section, check in the amount of $5.00 is enclosed; being advance yearly rental at the rate of 25¢ per acre.

Application, as of this date, is also being made for mining lease on Part (50) acres William Holbrooks Tract 1050. Other than these two applications, I have no interest in Federally-owned lands.

On October 29, 1951, I secured a lease from a local party who claimed ownership to Tract 1031a. Within the past few days I learned the the U.S. Government actually holds title. In the meantime, considerable prospecting has been done and an application was made to DMEA for an exploratory grant. Examination of the property has been completed by the DMEA Field Team and I believe it will be approved. In addition, I desire to start operations as quickly as possible because of the recently announced Government mica purchasing program. I therefore trust this application can be acted upon without undue delay.

Very truly yours,

FTS:em

Frank Siersma

CC: U.S. Forest Service
Franklin, N. C.

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

Room 13, Post Office Building
Knoxville 2, Tennessee

June 17, 1952

Memorandum

To: Operating Committee, DMEA

From: Executive Officer, DMEA-Region VII

Subject: DMEA-2409, Angel-Wildes Mine (mica)

We are advised by the Forest Service office at Franklin, North Carolina., that the Government owns the mineral rights which Mr. Siersma, as applicant, claims to own. Copy of their memorandum to this effect enclosed herewith.

Therefore, we recommend that no further consideration be given to the subject application, unless Mr. Siersma can submit satisfactory evidence that the Forest Service is wrong.

Robert A. Laurence

Robert A. Laurence

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 19 1952

COPY

DMEA-2409 (MICA)

TO: Forest Supervisor, Nantahala N. F. Date: June 2, 1952

FROM: Philip H. Bryan, Assistant Regional Forester

SUBJECT: L-ACQUISITION , Nantahala, Purchase, Macon County Supply Company, #1031a

Attached are copies of Mr. West's opinion of May 28.

You will note on page 4 that he expresses the opinion that the United States owns the minerals. However, you should also note carefully his comments and suggestions following the opinion on page 4. Probably a careful review of the file on acquisition will be necessary for you to determine the intent of the United States with regard to minerals.

The abstract and transcript of record are being returned.

/s/ Philip H. Bryan

Attachments

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 19 1952

COPY

DMEA-2409 (MICA)

321 Peachtree-Seventh Building
50 Seventh Street, N. E.
Atlanta 5, Georgia
May 28, 1952

To: Regional Forester

From: Linton B. West, Regional Attorney

Subject: L-ACQUISITION - Nantahala - Purchase
Macon County Supply Company #1031a
Claim to Zeb V. Angel to minerals.

This is with reference to Mr. Stevens' memorandum of May 12, 1952, in which it was requested that an opinion be rendered as to whether or not the United States acquired the mineral rights in connection with Macon County Supply Company, Tract No. 1031a, Macon County, North Carolina, Nantahala National Forest.

The abstract of title covering this tract was last certified by W. E. Hunnicutt, Abstractor, under date of March 1, 1937, and the transcript of the condemnation proceedings entitled United States of America vs. 1,107.70 acres of land in Macon and Swain Counties, North Carolina, et al., At Law No. 343, which were submitted with Mr. Stevens' memorandum have been reviewed. We have also considered the memorandum of P. H. Russell dated April 30, 1952, addressed to the Regional Forester, and the letter from T. D. Bryson, Jr., to the Supervisor, dated May 1, 1952, copies of which were also furnished.

Mr. Bryson, who apparently is representing Mr. Zeb V. Angel, who claims the minerals on the tract in question, stated that the claimant bases his claim under a lease from the heirs of Elmer Johnson. Mr. Bryson maintains that Elmer Johnson acquired the mineral interests from Alex Moore, Sheriff of Macon County, by an instrument dated September 5, 1923, recorded in the records of Macon County in Book J-4, page 197. It was indicated that prior to the conveyance by Alex Moore, Sheriff of Macon County, the mineral interests were owned by Mrs. L. B. Sanders and others by virtue of a conveyance dated October 25, 1895, recorded in Book EE, page 269. Mr. Russell stated that the deed from Alex Moore, Sheriff, to Elmer Johnson, contains the same land description as in the deed to Mrs. L. B. Sanders, et al., previously referred to. The deed to Mrs. L. B.

Sanders is found in the abstract of title on page 83. The grantors in this deed were George R. Sapp and Mary J. Sapp. his wife, and S. J. May, and Sarah J. May, his wife. The grantees were W. R. Briggs, Mrs. L. B. Sanders, Mrs. Effie Rhodes, and Mrs. Henrietta D. Albright. Mr. Bryson noted that S. J. May, grantor in the last mentioned deed, acquired these mineral interests, together with other persons, presumably George B. Sapp, by virtue of a deed executed by J. M. Wild on May 7, 1894, which deed was recorded in Book DD, page 107, Macon County. The deed from J. M. Wild to S. J. May, et al., was not found in the abstract of title. The descriptions in the deeds affecting the mineral interests have been examined, and it has been noted that the descriptions are identical with that of grant No. 2557, which was granted by the State of North Carolina to John Wild (devisor of J. M. Wild) on December 15, 1856. The location of grant 2557 as shown on the Forest Service plat entirely covers the southern extremity of tract No. 1031a, and includes the so-called Joe Wild, or Mud Hole mine, which has been located on the plat by the Supervisor's office. It was found that John Wild, by his will recorded in Will Book No. 1, page 88, devised a tract of 109 acres covered by grant 2557 and designated as section No. 58 to his sons, B. G. Wild, P. C. Wild, Alexander Wild, and Joseph M. Wild. By respective conveyances from the other devisees of John Wild, Joseph M. Wild acquired title to the fee of that part of tract No. 1031a covered by grant No. 2557. The abstract indicates that Joseph M. Wild died intestate sometime subsequent to the year 1895. It does not appear that there was administration of the estate of Joseph M. Wild. At the time of the death of Joseph M. Wild, he was survived by a widow and eight children and two children of a deceased child. Since the deed from J. M. Wild to S. J. May, which apparently was for minerals only, and the deed from Alex Moore, Sheriff, are not included in the abstract, we are unable to determine with certainty the complete basis of the claim of Mr. Angel as presented by his attorney, Mr. Bryson. Assuming, however, that the deeds in question were regular in all respects, and that J. M. Wild did convey the mineral interests to S. J. May and George R. Sapp, grantors in the deed to Mrs. L. B. Sanders, et al., we are nevertheless unable to determine the effect of the deed from the Sheriff of Macon County to Elmer Johnson or the legal basis therefor. For the purpose of this opinion, however, we do not believe it necessary to consider this in view of the comments which are to follow concerning the condemnation proceedings by which the United States acquired title to tract No. 1031a.

On January 11, 1935, Macon County Supply Company executed an option offering to the United States the tract in question for $5.00 per acre. It was noted that under paragraph (1), following the printed words on the reverse side of page 1 there appeared the following; "no reservations

or exceptions". Due to outstanding adverse interests it was necessary that this tract be acquired by condemnation proceedings. On December 28, 1935, a petition was filed by the United States Attorney in the District Court of the United States for the Western District of North Carolina in an action entitled, United States of America vs. 1,107.70 acres of land in Macon and Swain Counties, North Carolina, Alarka Lumber Company, et al. In this petition the names of these perons shown by the public records to have any interests were listed and, in addition to those specifically named, the petition contained the following;

> "In addition to all of the parties named above, there may be other persons who may own some part of, or have some interest in some part of, or lien or encumbrance on or against said lands, or claiming or holding some right, title, or interest therein, whose names are unknown, and petitioner avers that reasonable diligence has been used to ascertain the same without success, and all persons, firms or corporations, known or unknown, having any right, title, interest, demand, lien, encumbrance or claim of any kind or character whatsoever are made parties defendant to this proceeding."

In an order filed on January 6, 1936, the United States District Judge ordered that summons for all of the parties named as defendants be issued. Summons was filed on April 21, 1936, by the Clerk of the District Court, and the transcript of record indicates the extent to which personal service was accomplished by the United States Marshal (Transcript pp. 58-62). It was noted that the grantees in the deed from George R. Sapp and S. J. May to Mrs. L. B. Sanders, et al., were specifically named in the petition and in the summons. Notice of the condemnation proceedings was published in the Franklin Press, The Highlands Maconian, and the Bryson City Times. In these notices Mrs. L. B. Sanders and the other grantees in the afore-mentioned deed were listed, and following the listing of specific persons there appeared the following language, "and all persons whomsoever who have, or claim to own, any estates or interest in the fee or otherwise in and to the premises described in the petition filed in this cause and described in this notice, ...and all and singular their... alienees, successors and assigns, of each and every of them; and all unknown owners, lienors, or claimants, having, or claiming to have, any right, title, estate, equity, interest or lien; and all occupants, lessees, users, holders and owners of and claimants to any rights of easement or prescription in, over, across, or through said lands, or any part thereof;...". Judgment was filed in this cause on September 11, 1936, in which was recited

the justification for condemnation, and that all necessary requirements of federal and state laws had been complied with and it was thus decreed that the lands described in the petition were condemned; "and each and every estate therein subject only to the exceptions, if any, above noted, and the entire and unencumbered fee thereof is hereby condemned for the public use and purposes set out in the petition herein, and the title thereto vested in the United States of America, to the sole public use and benefit of the said United States, upon the payment into the Registry of this Court of the just compensation therefor;". On September 11, 1936, there was filed an order appointing commissioners of appraisal. On December 28, 1936, there was filed a report of commissioners by which the appraised value of tract No. 1031a was fixed. A decree was filed on January 18, 1937, concerning the report of commissioners of appraisal. In this report the court reiterated the quality or extent of the estate thus acquired as follows:

> "It is further ordered, adjudged and decreed that the title to said land shall vest in and remain in the United States of America, its successors and assigns, in fee simple forever, and that the said parties defendant and each and every of them, and all others persons whomsoever who have or claim to have any interest, right or title to said lands are forever barred from any right, title or interest therein and that the United States is hereby adjudged to be the sole owner thereof in fee simple free from the claims of all persons whomsoever;"

In view of the condemnation proceedings and the intent displayed therein to acquire the full fee simple title, including mineral interests, it is our opinion that the United States acquired such a full fee simple title, and that Mr. Zeb V. Angel has no interest therein.

. . . . . .

IN REPLY REFER TO:

G-MD-PLW

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

F.A.S.

June 16, 1952

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2409 (Mica).

To: L. G. Houk, Defense Minerals Exploration Administration.
From: P. L. Weis, U. S. Geological Survey.
Applicant: Zeb Angell.
Name of property: Angel Wildes (Mudhole) mine.
Location of property: Macon County, North Carolina.
Date of field team report: 6/4/52.
Authorship of field team report: A. L. Peyton and K. H. Teague.
Field team's recommendation: Two alternatives are presented:
(1) Denial of the application.
(2) Approval of a small exploration project for that part of the pegmatite that lies northeast of the road, cost not to exceed $4,110.

Comments: Bob Laurence has stated in a telephone conversation with Norton (June 16) that the Forest Service claims a part of the property. He also stated that the field team would prefer a denial, rather than approval of the small exploration project mentioned.

ACTION SUGGESTED: Denial.

Paul L. Weis

Paul L. Weis

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 17 1952

IN REPLY REFER TO:
G-MD-PLW

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

June 16, 1952

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2409 (Mica).

To: L. G. Houk, Defense Minerals Exploration Administration.
From: P. L. Weis, U. S. Geological Survey.
Applicant: Zeb Angell.
Name of property: Angel Wildes (Mudhole) mine.
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Comments: Bob Laurence has stated in a telephone conversation with Norton (June 16) that the Forest Service claims a part of the property. He also stated that the field team would prefer a denial, rather than approval of the small exploration project mentioned.

ACTION SUGGESTED: Denial.

Paul L. Weis

PLWeis;hhp
G-6/16/52
cc: Director's Reading file, 4212
Branch Reading file, 4212
DMEA ✓
PLWeis, G-228, GSA Bldg., USGS
extra

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

Room 13, Post Office Building
Knoxville, Tennessee

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 11 1952

June 9, 1952

Memorandum

To: Operating Committee, DMEA

From: Executive Officer Field Team, DMEA Region VII

2409

Subject: DMEA-2220, Angel-Wildes Mine. (mica)

Enclosed are documents received from Frank T. Siersma showing (1) transfer of title from Zeb Angel to Siersma, and (2) purporting to show that Forest Service has no interest in the land.

Siersma writes as follows:

" There had been some rumors, on hearsay, concerning statements by persons connected with the U. S. Forest Service pertain (sic) to ownership by it. However, the same "sources" now state that the Forest Service makes no claim to title."

"There can be no question of ownership of the mineral rights in question. The Johnson family has held undisputed title since 1922 and as far as I can learn, no one connected with the property or lease has ever received direct notice from the Forest Service regarding the subject."

If favorable action of this application is approved, definite information should be obtained from the Forest Service regarding their position. We have asked Mr. Siersma to get such a statement from the Forest Service, and Mr. Teague, of this office will call at the Forest Service office in Franklin this week.

Attention should be called to the fact that Mr. Siersma is not an experienced miner or engineer. If this exploration is approved, he would need to hire someone to do the work.

Robert A. Laurence

Robert A. Laurence

NORTH CAROLINA

MACON COUNTY

THIS INDENTURE, Made and entered into, this the 5th day of June, 1952 by and between ZEB ANGEL of Macon County, North Carolina, party of the first part, and FRANK T. SIERSMA of Macon County, North Carolina, party of the second part:

W I T N E S S E T H

That for and in consideration of the sum of ONE ($1.00) DOLLAR, and other good and valuable considerations, the receipt of which is acknowledged by the party of the first part, the said party of the first part has bargained, sold and conveyed, and by these presents does bargain, sell and convey unto the party of the second part, his heirs and assigns, all right, title and interest and estate in and to the following leases:

1. The lease made and entered into on October 29, 1951, by and between Bessie Johnson, Guardian of Elmer Johnson, and Frank T. Siersma, and recorded in Book A-6, page 300, Public Registry of Macon County, North Carolina.

2. The lease made and entered into on November 3, 1951, by and between Orpha Roper and wife, Bulah Roper, and Frank T. Siersma, and recorded in Book A-6, at page 322, Public Registry of Macon County, North Carolina.

Specific reference is hereby made to the foregoing Public Records for the lands and property covered by said leases and the terms and conditions of said leases or each of them.

And for the same consideration as heretofore set forth the said party of the first part stipulates and agrees that the agreement heretofore entered into between himself and the party of the second part on November 10, 1951, and recorded in Book A-6, at page 325, Public Registry of Macon County, North Carolina, shall be and is hereby concelled and shall be of no further force and effect; and that said party of the second part, his heirs and assigns, have been released, and by these presents are hereby released from any and all claims, rights or interests of the party of the first part, arising out of or in any manner whatsoever connected with said agreement.

TO HAVE AND TO HOLD the above said leases, rights and interests unto the party of the second part, his heirs and assigns, to his only use and behoof, free and clear from any rights, claims or interests whatsoever of the party of the first part in said leaseholds, or by virtue of the agreement hereinabove set forth.

IN WITNESS WHEREOF, the party of the first part has hereunto set his hand and seal, this the 5th day of June, 1952.

s/ Zeb Angel (SEAL)

NORTH CAROLINA

MACON COUNTY

The execution of the foregoing instrument was this day acknowledged before me by Zeb Angel, for the purpose therein expressed.

WITNESS my hand and seal, this the 5th day of June, 1952.

s/ Neal Johnston
Notary Public

My commission expires on the 9th day of October, 1952.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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JUN 11 1952

NORTH CAROLINA
MACON COUNTY

C O P Y

THIS LEASE AGREEMENT, made and entered into this 29th day of October, 1951, by and between BESSIE JOHNSON, as Guardian for Elmer Johnson, of Macon County, North Carolina, party of the first part, and FRANK SIERSMA of Macon County, party of the second part,

W I T N E S S E T H

That subject to the terms and conditions hereinafter set forth the said party of the first part has let and leased unto the said party of the second part, his heirs and assigns, the exclusive right and privilege to mine, dig and remove all minerals now in, under and upon a certain tract or parcel of land lying and being in Macon County, North Carolina, described as follows:

> BEING the lands deeded by Alex Moore, Sheriff of Macon County, on September 4, 1922, and recorded in the Office of the Register of Deeds for Macon County in Book J-4, on page 197; said lands having been conveyed at that date to Elmer Johnson for whom the party of the first part was appointed Guardian by the Superior Court of Macon County, State of North Carolina, on November 10, 1934, as attested by the attached certification of Guardianship.

THE TERMS AND CONDITIONS OF THIS LEASE ARE AS FOLLOWS:

1. Unless sooner terminated as herein provided, this lease shall exist and continue for a term of five (5) years from date hereof; however, it is mutually agreed that, upon compliance with its terms and conditions, same shall be automatically extended from year to year thereafter.

2. That all royalties shall be paid on the 15th day of each calendar month following the sale and receipt of the sale price of minerals, and that as rental or royalty, the party of the second part, his heirs and assigns, shall pay to the party of the first part a sum equal to twelve and one half percent (12½%) of all sheet or block mica, One Dollar ($1.00) per ton for all scrap mica, fifty cents (50¢) per ton for all feldspar and the usual royalties for all other minerals mined and sold from said property.

3. The party of the second part, his heirs and assigns, shall keep an accurate record of all sales of minerals from this property which shall be open to inspection by the party of the first part.

4. The party of the second part, his heirs and assigns, agree that they will conduct mining operations upon said property for a period of not less than eight (8) months each year this lease is in force.

5. In the event the party of the second part should apply for a government loan to explore or operate this property, the party of the first part hereby authorizes Frank Siersma to execute any required government agreements, in connection with same, in the name of and for, the party of the first part.

So loang as this lease remains in force, the party of the second part, his heirs or assigns, in connection therewith, shall have and enjoy the following rights and privileges:

(a) The right to use the surface of said lands to the full extent that such use is reasonable, convenient or necessary in mining and removing the minerals from said lands and to use any portions of said surface for the purpose of dumping refuse and tailings as may be reasonably necessary or convenient.

DEPARTMENT OF THE INTERI
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(b) The right to construct and place buildings and machinery upon said lands and to remove same.

(c) The right to cut and use upon said lands, for the purposes herein set out, any standing timber thereon at the time of such use.

(d) The right to use any water upon said property.

(e) The right to construct and maintain roads, in such locations as the party of the second part may deem advisable, and complete right of ingress, egress and regress to and from such portions of said property where mining operations are in progress or to be conducted.

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

s/ BESSIE JOHNSON (SEAL)

s/ FRANK SIERSMA (SEAL)

(DULY ACKNOWLEDGED BEFORE A NOTARY PUBLIC).

RECEORDED IN MACON COUNTY NOVEMBER 2, 1951, in BOOK A-6 at PAGE 300.

COPY

B I L L O F S A L E

NORTH CAROLINA
MACON COUNTY

KNOW ALL MEN BY THESE PRESENTS that I, Frank Siersma of Macon County, North Carolina, have this the 6th day of November, 1951, for the sum of One Dollar ($1.00) and other good and valuable considerations, bargained and sold, and by these presents do bargain and sell to ZEB ANGEL, of Macon County, North Carolina, all my right, title and interest in and to that certain lease described as follows:

> Being a lease from Bessie Johnson to Frank Siersma, dated October 29, 1951, and recorded in the Office of the Register of Deeds for Macon County, North Carolina, in Book A-6, at Page 300; in which the following description appears: BEING the lands deeded by Alex Moore, Sheriff of Macon County, on September 4, 1922, and recorded in the Office of the Register of Deeds for Macon County ~~for~~ in Book J-4 at Page 197.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this, the 6th day of November, 1951.

s/ FRANK SIERSMA (SEAL)

(Duly acknowledged before a Notary Public).

RECORDED IN MACON COUNTY NOVERMBER 6, 1951, IN BOOK A-6 at PAGE 303.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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JUN 11 1952

C O P Y

A G R E E M E N T

THIS AGREEMENT, made and entered into this 30th day of November, 1951, by and between ZEB ANGEL, party of the first part, and FRANK SIERSMA, party of the second part, both of Macon County, North Carolina,

W I T N E S S E T H

WHEREAS, the party of the first part is the owner of that certain lease from Bessie Johnson to Frank Siersma, dated November 1, 1951, and recorded in the Office of the Register of Deeds for Macon County, on Page 300, Book A-6, which lease was sold by Frank Siersma to Zeb Angel on November 6, 1951 and recorded in Book A-6, Page 303, AND

WHEREAS, the party of the second part undertakes to collaborate in the development of the mining rights, etc, of said property, and to assist as exclusive representative of the party of the first part in selling his mineral output,

NOW THEREFORE, for and in consideration of the sum of One Dollar ($1.00) and other good and valuable considerations, the receipt of which is hereby acknowledged,

IT IS AGREED:

1. The party of the first part will operate the above mentioned lands as General Manager, and limit his earnings from said operation, to Fifty Dollars ($50.00) per week after same has reached a paying basis.

2. The party of the first part shall keep an accurate and complete record of all transactions of his business, in conjunction with the party of the second part, and such records shall be open to the inspection of the party of the second part at all times.

3. Any net profit resulting from the mining operations of the party of the first part shall be equally divided between the parties hereto, monthly.

4. This agreement shall in no wise be considered to be a partnership between the parties hereto but shall only constitute a working arrangement between them.

5. This agreement shall remain in force for the period of time stated in the above mentioned lease and any extensions of same.

IN WITNESS WHEREOF, the parties hereto have affixed their hands and seals the day and year first above written.

s/ ZEB ANGEL (SEAL)
s/ FRANK SIERSMA (SEAL)

(Duly acknowledged before a notary public).

RECORDED IN MACON COUNTY, DECEMBER 6, 1951, IN BOOK A-6, PAGE 325.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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JUN 11 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Room 13, Post Office Building
Knoxville, Tennessee

June 4, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 6 1952

Memorandum

To: Operating Committee, DMEA

From: Field Team, DMEA Region VII

Subject: DMEA-2409, Angel-Wildes Mine (mica)

Enclosed herewith are 4 copies of field examination report on the subject mine, with 6 extra copies of the map.

Attention is directed especially to paragraph two of page 2. We have requested clarification of ownership, but have received no information except a verbal statement from F. T. Siersma that he checked the court house records and is convinced that the Forest Service does not own the land. Applicant should be required to show proof of ownership.

This prospect is one toward which we are lukewarm. Mica of strategic grade apparently is present, but it is doubtful if a significant discovery will be made - though that would depend on one's definition of "significant." If it is decided that this is a worthy project, the field examiners' proposal for the exploration is a good one.

Robert A. Laurence

Robert A. Laurence,
Executive Officer, DMEA Field Team
Region VII

Wm A. Beck

Wm. A. Beck, for V. J. Lynch
U. S. Bureau of Mines

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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JUN 6 1952

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM REGION VII

DMEA-2409, ANGLE-WILDES (MOUNTAIN) MINE
Mica
Macon County, North Carolina

By

A. L. Peyton, Mining Engineer
U. S. Bureau of Mines

-

-

Kefton H. Teague, Geologist
U. S. Geological Survey

Reviewed by
DMEA OPERATING COMMITTEE
6-11-52
(date)

June 4, 1952

DEFENSE MINERALS EXPLORATION ADMINISTRATION, REGION VII

REPORT OF FIELD EXAMINATION ON

IMEA-2409, ANGEL-WILDES (MUDHOLE) MINE
(Mica)
Macon County, N. C.

The Angel-Wildes or Mudhole Mine is located near the headwaters of Wildes Creek, a tributary of Burningtown Creek, 7.6 miles airline N. 70° W of Franklin, Macon County, North Carolina. It is about 10 miles via N. C. Highway 28 and Burningtown road from Franklin.

As shown on the attached sketch map, two areas have been worked on this property. The workings on the southwest side of the road consist of a series of southeasterly inclined pits and shafts along the northwest side of a large quartz lens. In addition to these shafts and pits, a drift now caved, extends from the hollow southwest of the shafts northeastward along the pegmatite for a reported distance of 150 feet. On the northeast side of the road three flooded shafts of unknown depth have been sunk in swampy ground. There are no exposures on the northeast side of the road.

Past history of operations on this property is incomplete. During the interval 1930-40, A. W. Reid and a Mr. Fouts, worked the deposit intermittently. Mr. Reid reports that only enough mica was produced from the area southwest of the road to meet the cost of labor and supplies. Mr. Fouts, who worked that portion of the deposit northeast of the road reports that considerable mica was obtained from the openings in the low ground along the stream, but that the water problem caused numerous interruptions.

In the application it is stated that $60,000 worth of mica was produced between 1895 and 1906. No mention is made of this mine in U.S.G.S. Bull. 740 by Sterrett who visited the district after that date. Furthermore, the size of the openings are too small to have afforded such a large production; therefore, the production figures appears to be in error.

At this place the deeply weathered pegmatite is enclosed in mica gneiss. The dike strikes about N 20° E, dipping where exposed, about 50° SE. On the southwest side of the road the pegmatite is well zoned, consisting of a medial quartz core surrounded by feldspathic pegmatite. The pegmatite is from 12 to 15 feet thick with the quartz core composing approximately eight feet of this thickness. From the location of the

openings it would appear that most of the mica was obtained from the footwall zone. No data is available as to the character of the pegmatite northeast of the road.

Fragments of mica collected from the various dumps on the property are good quality. The mica is hard, flat, clear, and ruby colored. Considerable biotite is present, especially in that portion of the pegmatite southwest of the road. It occurs as individual books and as intergrowths with muscovite.

Certain features should be mentioned in making a recommendation for this deposit. Past operations on this property have been at best a low profit business, due perhaps to the small size and quantity of mica or to water problems. Also there is doubt as to the ownership of the mineral rights. Both the lessor, Bessie Johnson, and the U. S. Forest Service claim ownership. At present we understand that the Government is checking its claim to the property at the Atlanta, Georgia office. Ownership should be cleared before a project is approved. Also it is not clear as to the identity of the Applicant. Although the application shows that only Zeb Angel is interested, it is the Field Teams impression that Mr. Angel and Frank Sierema are partners in the proposed project.

The Field Team believes that the odds involved in the possibility of making a worthwhile discovery are high. The mica, we believe, is of strategic grade; however, there is doubt as to the amount which will be discovered. The Field Team, therefore, presents two possibilities: (1) Deny the application or (2) Approve a small exploration project for that portion of the deposit located northeast of the road. This work should consist of dewatering, reconditioning, and deepening the shaft which is 27 - feet deep to 60 feet and drifting along the pegmatite 30 feet in each direction.

Estimated costs are as follows:

<u>Fixtures and Improvements</u>

12 x 12 Tool house	$150.00

<u>Operating Equipment</u>

<u>To be rented:</u>

1- water pump, 2 1/2 mos. @ $50/mo.	$125.00
1- gasoline hoist, 2 1/2 mo. @ $70/mo.	175.00
1- 105 air compressor, 2 mo. @ $175/mo.	350.00
1- jackhammer drill, 2mo. @ $60/mo.	120.00

<u>To be purchased:</u>

100 ft. 2" pipe @ 50¢ per ft.	50.00
Hand tools	100.00

Cont'd To be purchased:

Dynamite & Exploders	$300.00
Timber, 4000 bd.ft. @ $60/M	240.00
Miscellaneous supplies	200.00

Labor and Supervision

1 - Working foreman, 50 shifts @ $1.50/hr.	600.00
1 - Miner, 50 shifts, @ $1.50/hr	600.00
2 - Laborers, 50 shifts @ $1/hr	800.00
Insurance, social security, etc.	300.00

Rehabilitation and Repairs

None

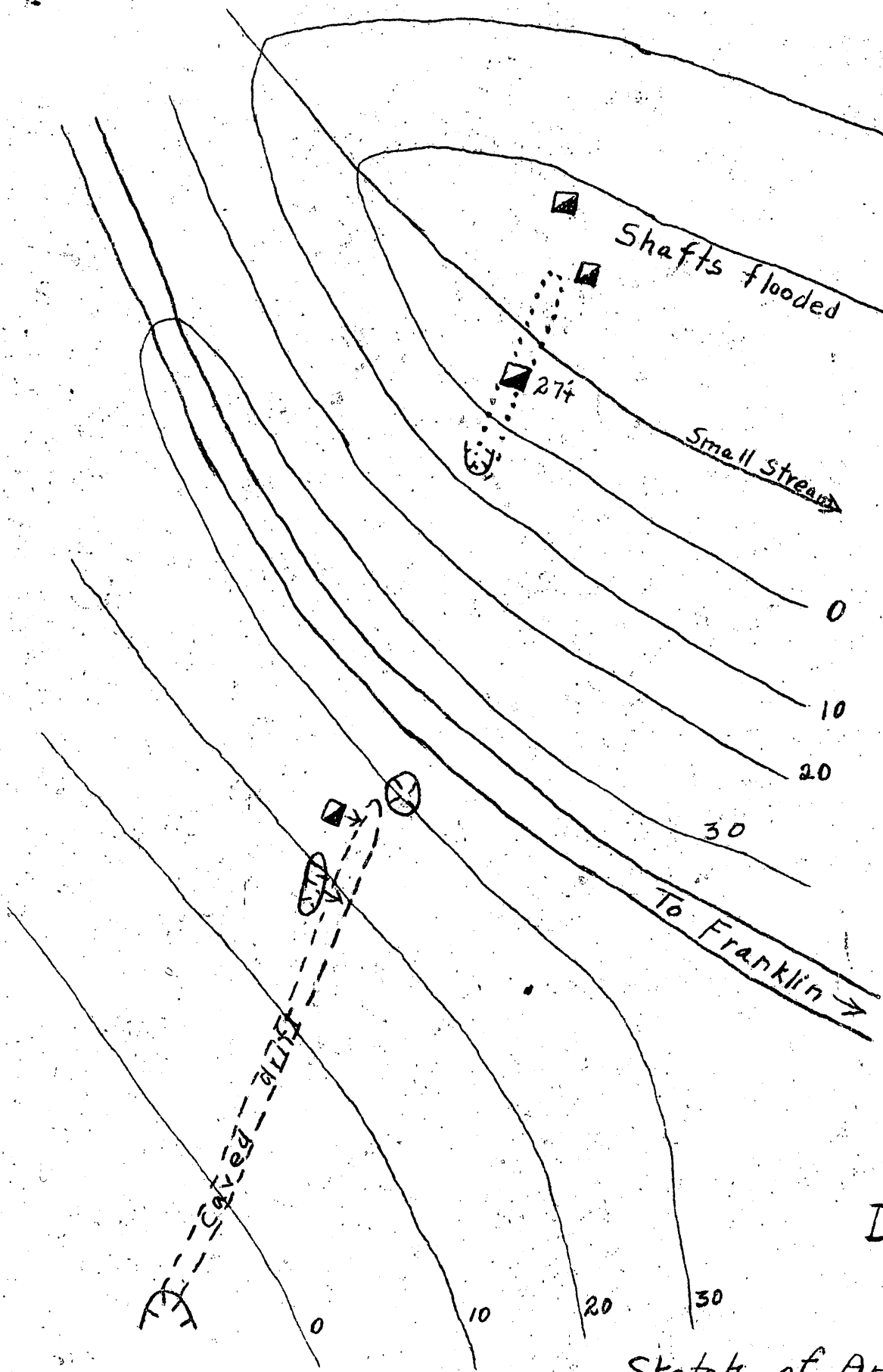
Estimated Total Cost..... $4,110.00

Estimated time required- 2 1/2 months.

April 16, 1952

A. L. Peyton, USBM

K. H. Teague, USGS



DMEA-2409
Mica

Sketch of Angel-Wildes Mine
Scale: 1" = 40'
:::: Proposed drift

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM REGION VII

DMEA-2409, ANGEL-WILDES (MUDHOLE) MINE
Mica
Macon County, North Carolina

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 6 1952

By

A. L. Peyton, Mining Engineer
U. S. Bureau of Mines

Kefton H. Teague, Geologist
U. S. Geological Survey

June 4, 1952

DEFENSE MINERALS EXPLORATION ADMINISTRATION, REGION VII

REPORT OF FIELD EXAMINATION ON

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(Mica)
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Certain features should be mentioned in making a recommendation for this deposit. Past operations on this property have been at best a low profit business, due perhaps to the small size and quantity of mica or to water problems. Also there is doubt as to the ownership of the mineral rights. Both the lessor, Bessie Johnson, and the U. S. Forest Service claim ownership. At present we understand that the Government is checking its claim to the property at the Atlanta, Georgia office. Ownership should be cleared before a project is approved. Also it is not clear as to the identity of the Applicant. Although the application shows that only Zeb Angel is interested, it is the Field Teams impression that Mr. Angel and Frank Siersma are partners in the proposed project.

The Field Team believes that the odds involved in the possibility of making a worthwhile discovery are high. The mica, we believe, is of strategic grade; however, there is doubt as to the amount which will be discovered. The Field Team, therefore, presents two possibilities: (1) Deny the application or (2) Approve a small exploration project for that portion of the deposit located northeast of the road. This work should consist of dewatering, reconditioning, and deepening the shaft which is 27+ feet deep to 60 feet and drifting along the pegmatite 30 feet in each direction.

Estimated costs are as follows:

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Operating Equipment

To be rented:

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1- 105 air compressor, 2 mo. @ $175/mo.	350.00
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1 - Working foreman, 50 shifts @ $1.50/hr.	600.00
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2 - Laborers, 50 shifts @ $1/hr	800.00
Insurance, social security, etc.	300.00

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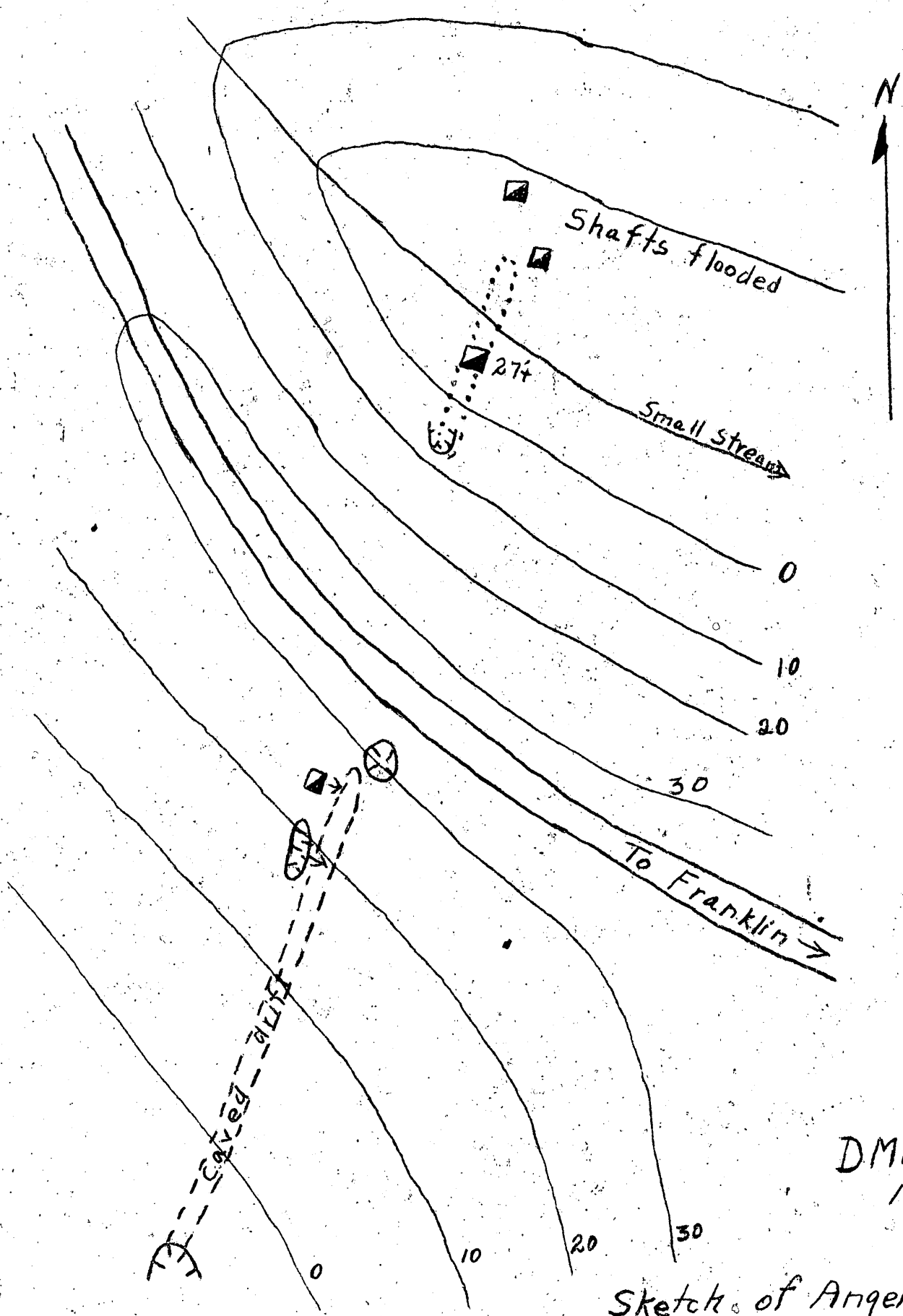
Estimated Total Cost..... $4,110.00

Estimated time required- 2 1/2 months.

April 16, 1952

A. L. Peyton, USBM

K. H. Teague, USGS



DMEA-2409
Mica

Sketch of Angel-Wildes Mine
Scale: 1" = 40'
:::: Proposed drift

FILE COPY
SURNAME:

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C. 600

MAR 27 1952

Mr. Zeb Angel
Franklin, North Carolina

Subject: Docket No. DMEA-2409 - Mica
Jud Wildes Prospect
Macon County, North Carolina

Dear Mr. Angel:

Your application is being referred to Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region VII, Room 13, Post Office Building, Knoxville 1, Tennessee, for further information.

Sincerely yours,

C. O. Mittendorf (for)

Acting Administrator
Defense Minerals Exploration
Administration

S.N.
3-27-52

SAFeitler:gad 3/24/52

Copy to: Admin. Reading File
Mr. Norton, G-232, GSA Bldg.
Mr. Dietrich, 3526
Region VII (2)
Docket File
Mr. Houk

FILE COPY
SURNAME:

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

600

MAR 27 1952

8 Feitler
Hoch

Mr. Robert A. Lawrence
Executive Officer
DMEA Field Team, Region VII
Room 13, Post Office Building
Knoxville 1, Tennessee

Subject: Docket No. DMEA-2409 - Mica
Angel-Wilder Mine
(Formerly DMEA-2220)
Mason County, North Carolina

Dear Mr. Lawrence:

The attached docket material is for the above application submitted by Zeb Angel. The applicant states that $60,000 worth of mica was sold between the years 1895 and 1906.

Please arrange a field examination at your convenience. An exploration program should be worked out with the applicant, if warranted.

Sincerely yours,

(signed) FRANK E. JOHNSON

Chairman, Operating Committee
Defense Minerals Exploration
Administration

Enclosures - 5
Approved:

J. H. Hedges

For Bureau of Mines

J. R. Mayor

For Geological Survey

SAFeitler:mp 3/24/52
cc: Operating Committee
Adm. Reading File
Mr. Dietrich, 3526
Mr. Norton, G-232, GSA Bldg.
Docket File

S.N. 3-27-52

COPY

UNITED STATES DEPARTMENT OF THE INTERIOR
Geological Survey
Washington 25, D. C.

March 20, 1952

Memorandum

To: L. G. Houk, Non-Metallic Minerals Division
Defense Minerals Exploration Administration

From: J. J. Norton, U. S. Geological Survey

Subject: Review of new data submitted to supplement four mica applications from Franklin, North Carolina, which previously were reviewed by this office and found to contain insufficient data to warrant field examination.

1. Zeb Angel's application DMEA-2409 for the Angel Wildes prospect, preciously reviewed by this office on December 26, 1951, as DMEA-2220.

2. Zeb Angel's application DMEA-2410 for the Ortha Roper prospect, previously reviewed by this office on December 26, 1951, as DMEA-2258.

3. C. L. Bateman's application DMEA-2411 for the Clyde Bateman prospect, previously reviewed by this office on December 27, 1951, as DMEA-2281.

4. Randall Mining Company's application DMEA-2412 for the Randall prospect, previously reviewed by this office on December 26, 1951, as DMEA-2284.

RECOMMENDATIONS: I am somewhat uncertain what policy DMEA will adopt for mica in the future, and for this reason I do not know precisely what to recommend on these applications. It has been a fundamental assumption in the philosophy governing DMEA, as we understand it, that the exploration program should be directed toward discovery of significant deposits. In processing applications of this sort, however, we can fritter away a large amount of energy with little chance of making significant discoveries. Consequently, I find it impossible to be enthusiastic about applications like these and others that we have received from the Franklin, North Carolina, group. In this state of uncertainty, I cannot confine my recommendations to a single suggestion for each of these applications, but instead I offer a choice of the following alternatives:

1. The best plan is to hold these applications in abeyance pending clarification of DMEA mica policy now that the GSA purchase program has been announced.

2. A second possibility is denial on the ground that none of the applications have demonstrated a reasonable chance of finding a significant deposit. This plan is most suitable for Zeb Angel's application DMEA-2409 for the Angel-Wildes prospect.

3. Another possibility is denial on the ground that the applicant's date indicate that the most suitable plan for operating this prospect is as follows: (A) the applicant should operate the property by pits and/or underground work, defraying part of his expenses by the sale of mica to GSA. (B) when and if this work results in evidence that a larger exploration program may result in discovery of a significant deposit, a new application should be submitted to DMEA. This plan is most appropriate for C. L. Bateman's application DMEA-2411 for the Clyde Bateman prospect. No applicant should be advised to follow this procedure until GSA has offered assurance that they are ready to purchase mica in the southeast.

4. Still another possibility is to instruct the applicant to clean out the pits and underground openings so that the pegmatite is well exposed and a field examination can be made. This plan is most suitable for Zeb Angel's application DMEA-2410 for the Ortha Roper prospect.

5. The final possibility is referral to the field team. The Randall Mining Company's application DMEA-2412 for the Randall prospect is most nearly suitable for field examination.

J. J. Norton

Norton:jeh:mp
0-3/20/52

COPY

cc: Director's reading file 4212
Branch Reading file 4212
DMEA
Norton USGS

COPY

UNITED STATES DEPARTMENT OF THE INTERIOR
Geological Survey
Washington 25, D. C.

March 20, 1952

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Defense Minerals Exploration Administration

From: J. J. Norton, U. S. Geological Survey

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2. Zeb Angel's application DMEA-2410 for the Ortha Roper prospect, previously reviewed by this office on December 26, 1951, as DMEA-2258.

3. C. L. Bateman's application DMEA-2411 for the Clyde Bateman prospect, previously reviewed by this office on December 27, 1951, as DMEA-2281.

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1. The best plan is to hold these applications in abeyance pending clarification of DMRA mica policy now that the GSA purchase program has been announced.

2. A second possibility is denial on the ground that none of the applications have demonstrated a reasonable chance of finding a significant deposit. This plan is most suitable for Zeb Angel's application DMRA-2409 for the Angel-Wilder prospect.

3. Another possibility is denial on the ground that the applicant's data indicate that the most suitable plan for operating this prospect is as follows: (A) the applicant should operate the property by pits and/or underground work, defraying part of his expenses by the sale of mica to GSA. (B) when and if this work results in evidence that a larger exploration program may result in discovery of a significant deposit, a new application should be submitted to DMRA. This plan is most appropriate for C. L. Bateman's application DMRA-2411 for the Clyde Bateman prospect. No applicant should be advised to follow this procedure until GSA has offered assurance that they are ready to purchase mica in the southeast.

4. Still another possibility is to instruct the applicant to clean out the pits and underground openings so that the pegmatite is well exposed and a field examination can be made. This plan is most suitable for Zeb Angel's application DMRA-2410 for the Ortha Roper prospect.

5. The final possibility is referral to the field team. The Randall Mining Company's application DMRA-2412 for the Randall prospect is most nearly suitable for field examination.

J. J. Norton

Norton:jah:mp
G-3/20/52

COPY

cc: Director's reading file 4212
Branch Reading file 4212
DMRA
Norton USGS

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

March 12, 1952

Memorandum

To: Defense Minerals Exploration Administration
Nonmetallic Minerals Division

From: W. F. Dietrich, Chief
Ceramic and Fertilizer Materials Branch

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 6 1952

Subject: DMEA-2409, Zeb Angel: Angel-Wildes Mine
(formerly DMEA-2220)

and

DMEA-2410, Zeb Angel: Ortha Roper Mine
(formerly DMEA 2258)

DMEA-2409: The additional data supplied by applicant on February 20, 1952 seem to justify an investigation when the field team is in the vicinity.

DMEA-2410: We have no data to confirm applicant's report of prospecting about 2 year's ago, but the property seems to warrant an investigation when the field team is in the vicinity.

W. F. Dietrich

W. F. DIETRICH

March 12, 1952

Memorandum

To: Defense Minerals Exploration Administration
Nonmetallic Minerals Division

From: W. F. Dietrich, Chief
Ceramic and Fertilizer Materials Branch

Subject: DMEA-2409, Zeb Angel: Angel-Wildes Mine
(formerly DMEA-2220)

and

DMEA-2410, Zeb Angel: Ortha Roper Mine
(formerly DMEA 2258)

DMEA-2409: The additional data supplied by applicant on February 20, 1952 seem to justify an investigation when the field team is in the vicinity.

DMEA-2410: We have no data to confirm applicant's report of prospecting about 2 year's ago, but the property seems to warrant an investigation when the field team is in the vicinity.

/Elenor

WFDietrich/em

W. F. DIETRICH

Copy to: L. A. Houk
Ceram. &. Fert. Mat. Br.
Minerals Division
F I L E S

Jud Wilder

DMEA-2409 X
D 1/15 mica

2409

2/20/52 ZEB ANGEL FRANKLIN, N.C. ANGEL-WILDES MINE DMEA-2220

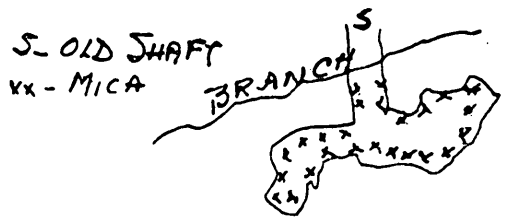
DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 22 1952

ATTENTION: Mr. C. O. Mittendorf, Acting Administrator, D.M.E.A.

Above application was recently denied. Consideration of the following is requested:

Denied Dec 26
Jud Wilder

As stated in application, only a small amount of prospecting was done on this land some years ago. However, recent talks with old-time miners has brought to light that this property was extensively worked, to a depth of about 30 feet, between the years of 1895 and 1906. During that time more than $60,000.00 worth of mica was sold; a great portion of which came into the category now known as "strategic mica". Samples recovered in recent years supports this fact. It is known that the mica lead, extending for several miles, has been proven to exist at the Poll Miller mine and the Chalk Hill mine. The Angel-Wildes mine lies between both. A more careful study of the situation, by Applicant, permits the following sketch of approximate past workings:



(PROJECT 1 - OF APPLICATION)

There are various estimates of pegmatite size but applicant is assured of its sufficiency because of past underground workings. Previous operations were discontinued due to difficulty in handling water problems (branch passes through pegmatite). Applicant will construct a ditch about 600 feet long. It will solve such problems.

It is desired to first proceed with Project 1 as outlined in application, and then continue with Project 2 when proper evidence developes and is approved by Field Team. Further consideration of cost of Project 1 permits elimination of Superintendent-engineer ($600.00) and Jeep rental ($240.00); resulting in a maximum cost for Project 1, of $3,120.00.

Tentative talks with members of the Field Team causes Applicant to believe they are aware of these facts and that they feel exploration, as suggested, will prove the presence of commercial quantities of strategic mica. You are asked to reconsider the subject and permit suitable examination in order that this source be recorded and developed.

- - - -

D 1/15

2409

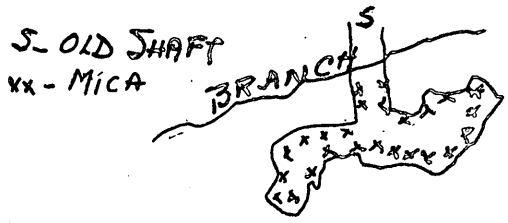
2/20/52 ZEB ANGEL FRANKLIN, N.C. ANGEL-WILDES MINE DMEA-2220

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 21 1952

ATTENTION: Mr. C. O. Mittendorf, Acting Administrator, D.M.E.A.

Above application was recently denied. Consideration of the following is requested:

As stated in application, only a small amount of prospecting was done on this land some years ago. However, recent talks with old-time miners has brought to light that this property was extensively worked, to a depth of about 30 feet, between the years of 1895 and 1906. During that time more than $60,000.00 worth of mica was sold; a great portion of which came into the category now known as "strategic mica". Samples recovered in recent years supports this fact. It is known that the mica lead, extending for several miles, has been proven to exist at the Poll Miller mine and the Chalk Hill mine. The Angel-Wildes mine lies between both. A more careful study of the situation, by Applicant, permits the following sketch of approximate past workings:



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D 1/15

2409

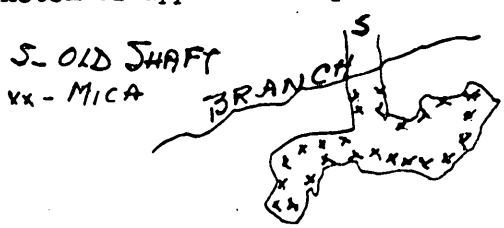
2/20/52 ZEB ANGEL FRANKLIN, N.C. ANGEL-WILDES MINE DMEA-2220

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 2 1952

ATTENTION: Mr. C. O. Mittendorf, Acting Administrator, D.M.E.A.

Above application was recently denied. Consideration of the following is requested:

As stated in application, only a small amount of prospecting was done on this land some years ago. However, recent talks with old-time miners has brought to light that this property was extensively worked, to a depth of about 30 feet, between the years of 1895 and 1906. During that time more than $60,000.00 worth of mica was sold; a great portion of which came into the category now known as "strategic mica". Samples recovered in recent years supports this fact. It is known that the mica lead, extending for several miles, has been proven to exist at the Poll Miller mine and the Chalk Hill mine. The Angel-Wildes mine lies between both. A more careful study of the situation, by Applicant, permits the following sketch of approximate past workings:



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D 1/15

2409

2/20/52 ZEB ANGEL FRANKLIN, N.C. ANGEL-WILDES MINE DMEA-2220

ATTENTION: Mr. C. O. Mittendorf, Acting Administrator, D.M.E.A.

Above application was recently denied. Consideration of the following is requested:

As stated in application, only a small amount of prospecting was done on this land some years ago. However, recent talks with old-time miners has brought to light that this property was extensively worked, to a depth of about 30 feet, between the years of 1895 and 1906. During that time more than $60,000.00 worth of mica was sold; a great portion of which came into the category now known as "strategic mica". Samples recovered in recent years supports this fact. It is known that the mica lead, extending for several miles, has been proven to exist at the Poll Miller mine and the Chalk Hill mine. The Angel-Wildes mine lies between both. A more careful study of the situation, by Applicant, permits the following sketch of approximate past workings:

(PROJECT 1 - OF APPLICATION)

There are various estimates of pegmatite size but applicant is assured of its sufficiency because of past underground workings. Previous operations were discontinued due to difficulty in handling water problems (branch passes through pegmatite). Applicant will construct a ditch about 600 feet long. It will solve such problems.

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- - - -

FILE COPY
SURNAME:

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

S.R.

Houk
Dietrich
Norton
Hedges
Thayer
Johnson

JAN 15 1952

Mr. Zeb Angel
Franklin, North Carolina

Re: DMEA 2220 - Mica
Zeb Angel
Jud Wildes Prospect

Dear Mr. Angel:

Your application for exploration assistance on the Angel-Wildes prospect located in Macon County, North Carolina, has been reviewed by the Defense Minerals Exploration Administration.

Projects approved by the Defense Minerals Exploration Administration must, in its judgement, show definite promise of yielding strategic mica in quantities that will significantly improve the mineral supply position for National Defense.

Your request for exploration aid is not granted because you have failed in your proposal to demonstrate to the satisfaction of the Defense Minerals Exploration Administration that the geologic probability of disclosing minable reserves is sufficiently encouraging to justify Government participation.

Sincerely yours,

C. O. Mittendorf (fw)

Acting Administrator,
Defense Minerals Exploration
Administration.

LGHouk/hmj
1-5-52
cc to: Adm. Reading File
1-15-52 Mails and Files
J.D. Mr. Mittendorf
Mr. Josephson
Mr. Norton
Mr. Houk
Region VII
Docket

December 26, 1951

[illegible]

[illegible] L. Houk

[illegible] Donald H. Kupfer

[illegible] Zeb Angel's [illegible] Jud Wildes

Location of prospect: 7.6 miles N71°W of Franklin, Macon County, North Carolina

Recommendation (check one):

1. Deny the application.
2. Request applicant for more info.

Reasons for recommendation (check all applicable statements):

1. The application does not contain a [illegible] reason [illegible] applicant considers [illegible] is presented to show that the prospect merits a [illegible]
2. A rough sketch map of the property is needed showing [illegible] and location of deposits.
3. The location of the property is inadequately described.
4. The name of the prospect is inadequate identification. [illegible] mines and prospects having this name are in [illegible], and the applicant does not show clearly which one [illegible] application covers.
5. This is apparently an old mine or prospect, but the applicant's description of the workings is incomplete.
6. Production figures given in the application are quite inadequate, and it seems probable that better data can be obtained.
7. The applicant gives no information on the quality and size of the mica.
8. A sample of the mica should be requested.
9. The applicant's property evidently has some (beryl, tantalite-columbite, cassiterite) but no evidence has been presented to show that there is any chance of finding a minable deposit. The applicant should be asked to submit samples from his prospect containing at least (20 pounds of beryl, 5 pounds of tantalite-columbite, 5 pounds of cassiterite).
10. The applicant's proposed expenditures for prospecting and [illegible] seem disproportionately large in relation to expenditures for actual exploration.
11. The suggested program of exploration is vague and incomplete.
12. We can find no information in our files on this property.
13. This property has previously been examined, and the report in our files indicates that exploration is not worth-while unless the applicant can provide new evidence that a discovery may be made.
14. Other:

Copy to: Bruce Reading, Ellis, 4312
IWEA
Marion, G-230, [illegible]

Conan W. Dalton

Memorandum

December 26, 1951

To: L. Houk, Bureau Mineral Exploration, Washington

From: Donald H. Kupfer, U. S. Geological Survey

Subject: Zeb Angel's (DMEA-) application for aid in exploring the Jud Wildes prospect for pegmatite minerals.

Location of prospect: 7.6 miles N71°W of Franklin, Macon County, North Carolina

Recommendation (check one):

1. Deny the application.
2. Request applicant for more data.

Reasons for recommendation (check all applicable statements):

1. The application does not contain specific reasons to show why the applicant considers exploration worth-while. Insufficient evidence is presented to show that the prospect merits a field examination.
2. A rough sketch map of the property is needed showing size and location of deposits.
3. The location of the property is inadequately described.
4. The name of the prospect is inadequate identification. Several mines and prospects having this name are in this district, and the applicant does not show clearly which one this application covers.
5. This is apparently an old mine or prospect, but the applicant's description of the workings is incomplete.
6. Production figures given in the application are quite inadequate, and it seems probable that better data can be obtained.
7. The applicant gives no information on the quality and size of the mica.
8. A sample of the mica should be requested.
9. The applicant's property evidently has ores (beryl, tantalite-columbite, cassiterite) but no evidence has been provided to show that there is any chance of finding a minable deposit. The applicant should be asked to submit sample(s) from his prospect containing, at least (20 pounds of beryl, 5 pounds of tantalite-columbite, 5 pounds of cassiterite).
10. The applicant's proposed expenditures for supervision and overhead seem disproportionately large in relation to expenditures for actual exploration.
11. The suggested program of exploration is vague and incomplete.
12. We can find no information in our files on this property.
13. This property has previously been examined, and the report in our files indicates that exploration is not worth-while unless the applicant can provide new evidence that a discovery may be made.
14. Other:

WDD

Copy to: Francis Reading, File, 4812
IMEA
Morton, G-230, GS Bldg.

Mr. Zeb Angel
Franklin, North Carolina

Subject: DMA-2220
Re: Exploration Loan
Angel-Wildes Mine

My dear Mr. Angel:

This will acknowledge receipt of your application dated November 6, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMA-2220 and referred to the Nonmetallics Branch.

Kindly refer to DMA-2220 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams

Robert E. Adams, Chief
Reports and Records Unit

2463

Form MF-103
(April 1951)

U. DEPARTMENT OF THE INTER
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

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

DO NOT FILL IN THIS BLOCK

Docket No. dma 22220 2409

Date received 11-9-51

Participation

RECEIVED NOV 9 1951 Defense Minerals Administration

ANGEL-WILDES MINE

ZEB ANGEL
FRANKLIN
NORTH CAROLINA

Name and address of applicant

Date 11/6/51

FILL IN THIS BLOCK

Date of application 11/6/51

Estimated cost $6,820.00

Mineral or metal STRATEGIC MICA

Percentage of Government participation 90%

Location of mine 9½ miles N.W. of Franklin, N. C.

Date of filing MF-100 attached

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Individual

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. Applicant has mined and processed minerals for more than 40 years

*5. Are you the owner or the lessee of the property? Lessee

6. If owner, state what claims, liens, or encumbrances, if any, are against the property.

7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? 10%. Sufficient in accordance with MO-5

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any. Past-Wildes. Present name: Angel-Wildes Mine

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons. Sufficient on property
State amount of power to be used, rate per hour or other cost, and source. none required

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. none

15. State in detail how the ore could be shipped and how and where milled. Milled at and shipped from Franklin

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

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

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? STRATEGIC MICA

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

ZEB ANGEL
(Name of company)

By [signature]
(Signature of authorized official)

11/6/51
(Date)

(Title)

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

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

MF-103 ZEB ANGEL FRANKLIN, N. C. ANGEL-WILDES MINE 11/6/51

10. Description of property appears in attached copy of lease; all of which is made part of this exploration project.

12. Property is reached from Franklin, N.C. - 2 miles west on Highway 28, 4 miles south on Burningtown Road (County Road) and 1½ miles north on Wildes Cove Rd.

16. Angle-Wildes Mine lies within the main mica belt of the Franklin District; in the same lead as is located the Poll Miller Mine (a large past producer). Only a small amount of prospecting, shaft and ditching, was done here years ago. Lack of funds did not permit further work, though excellent signs appear.

21. PROPOSED WORK will consist of two projects:
PROJECT 1 - Dozer trenching 50' long - up to 100' long - 20' wide & 15' ddep; a 50' shaft, 5' x 5', will then be sunk onto the pegmatite and vein to release the large blocks of mice which rest therein. This spot is located at a branch and will require pumping.
PROJECT 2 - Dozer-trenching 125' long, 25' wide and 15' deep; test pits (3) will then be dug into pegmatite, plus a shaft 50' deep & 5x5'.

23. COST OF TOTAL WORK: (requires 40 days)

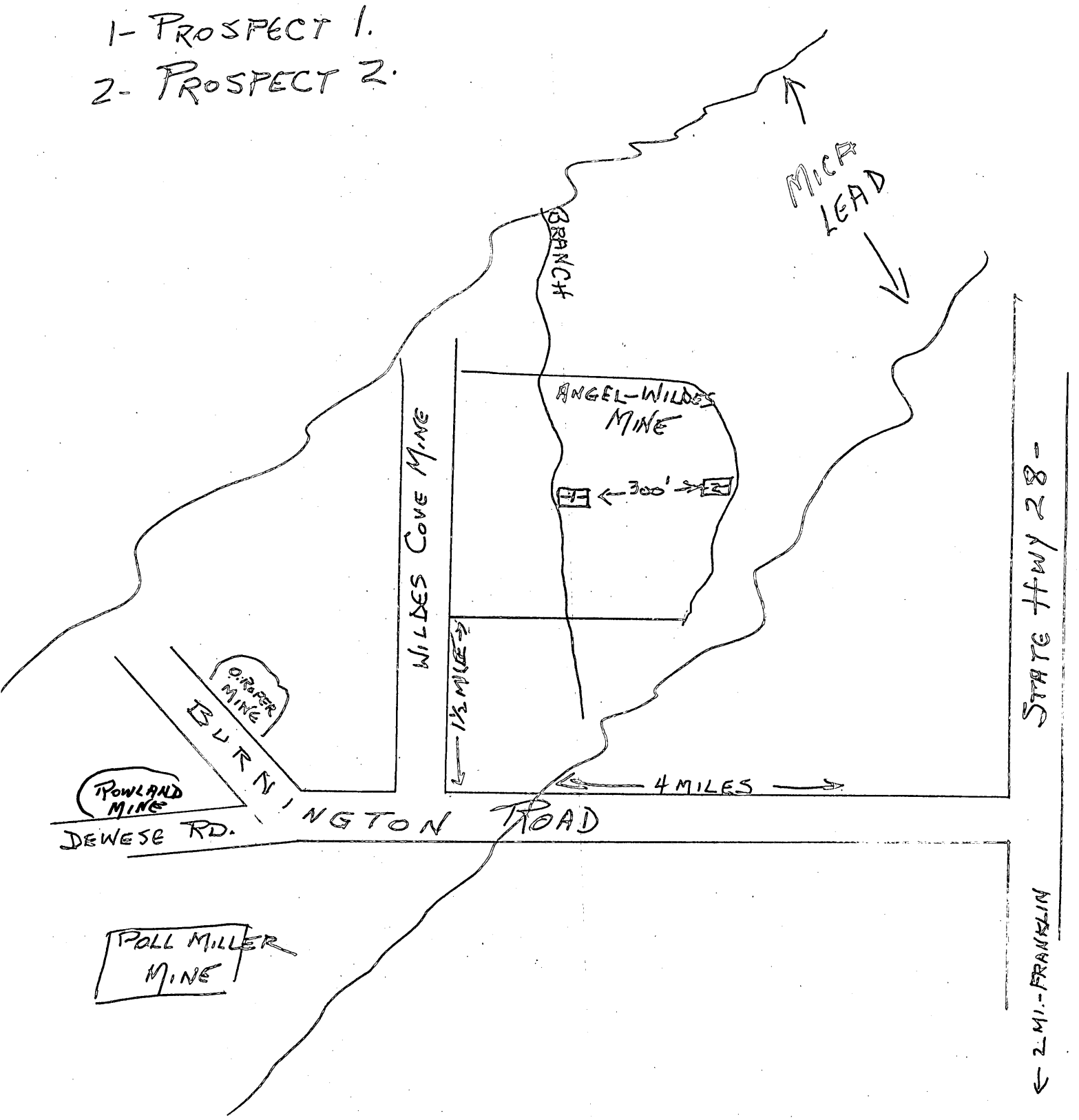
PROJECT 1:	Rental - dozer, 25 hours @ $10.00 per hour	$ 250.00
	Rental - sump pump, 40 days @ $5.00 per day	200.00
	Timber for shaft	200.00
	Rental - Jeep, 40 days @ $6.00	240.00
	Boom equipment for shaft	250.00
	Miscellaneous hand tools	70.00
	Superintendent-Engineer, 30 days @ $20.00	600.00
	Working Foreman, 40 days @ $15.00	600.00
	4 Laborers, 36 days each @ $10.00 per day each	1440.00
	Misc. expenses, pay taxes, office, sampling etc.	110.00
	TOTAL COST - PROJECT 1 -	$ 3,960.00
PROJECT 2:	Rental - dozer, 60 hours @ $10.00	$ 600.00
	Timber for shaft	200.00
	Boom equipment for shaft	250.00
	Superintendent-Engineer, 15 days @ $20.00	300.00
	Working Foreman, 30 days @ $15.00 per day	450.00
	3 Laborers, 30 days each @ $10.00 per day each	900.00
	Miscellaneous hand tools	75.00
	Misc. expenses, pay taxes, office, sampling etc.	85.00
	TOTAL COST - PROJECT 2 -	$ 2,860.00

TOTAL COST - BOTH PROJECTS - $6,820,00

IF BOTH PROJECTS ARE WORKED AT SAME TIME, $200.00 of Superintendent's time shown in Project 2, can be eliminated.

- - - -

MF-103 ZEB ANGEL FRANKLIN, N.C. ANGEL-WILDES MINE 11/6/51



MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of MACON, State of NORTH CAROLIN, described in a certain Exploration Project Contract dated _____, 195__, between ZEB ANGEL, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated OCTOBER 29, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 6th day of NOVEMBER, 1951

BESSIE JOHNSON

By Frank Iversula

AUTHORIZED SIGNATURE (in accordance with lease)

U. S. GOVERNMENT PRINTING OFFICE 940768

10. COPY OF LEASE, ETC.

THIS LEASE AGREEMENT, made and entered into this 29th day of October, 1951, by and between BESSIE JOHNSON, as Guardian for Elmer Johnson, of Macon County, North Carolina, party of the first part, and FRANK SIERSMA of Macon County, North Carolina, party of the second part, WITNESSETH:

That subject to the terms and conditions hereinafter set forth the said party of the first part has let and leased unto the said party of the second part, his heirs and assigns, the exclusive right and privilege to mine, dig and remove all minerals now in, under and upon a certain tract or parcel of land lying and being in Macon County, North Carolina, described as follows:

BEING the lands deeded by Alex Moore, Sheriff of Macon County, on September 4, 1922, and recorded in the office of the Register of Deeds for Macon County in book J-4, on page 197; said lands having been conveyed at that date to Elmer Johnson for whom the party of the first part was appointed Guardian by the Superior Court of Macon County, State of North Carolina, on November 10, 1934, as attested by the attached certificate of Guardianship.

THE TERMS AND CONDITIONS OF THIS LEASE ARE AS FOLLOWS:

1. Unless sooner terminated as herein provided, this lease shall exist and continue for a term of five (5) years from date hereof; however, it is mutually agreed that, upon compliance with its terms and conditions, same shall be automatically extended from year to year thereafter.

2. That all royalties shall be paid on the 15th day of each calendar month following the sale and receipt of the sale price of minerals, and that as royalty or rental, the party of the second part, his heirs and assigns, shall pay to the party of the first part a sum equal to twelve and one half percent (12½%) of all sheet or block mica, One Dollar ($1.00) per ton for all scrap mica, fifty cents (50¢) per ton for all feldspar and the usual royalties for all other minerals mined and sold.

3. The party of the second part, his heirs and assigns, shall keep an accurate record of all sales which shall be open to the inspection of the party of the first part.

4. The party of the second part, his heirs or assigns, agree that they will conduct mining operations upon said property for a period of not less than eight (8) months each year this lease remains in force and effect.

5. In the event the parties of the second part should apply for a government loan to explore or operate this property, the party of the first part hereby authorizes Frank Siersma to execute any required government agreements, in connection with same, in the name of and for, the party of the first part.

So long as this lease remains in force, the party of the second part, his heirs or assigns, in connection therewith, shall have and enjoy the following rights and privileges:

(a) The right to use the surface of said lands to the full extent that such use is reasonable, convenient or necessary in mining and removing the minerals from said lands and to use any portions of said surface for the purpose of dumping refuse and tailings as may be reasonably necessary or convenient.

10. COPY OF LEASE ETC. (cont'd)

(b) The right to construct and place buildings and machinery upon said lands and to remove same.

(c) The right to cut and use upon said lands, for the purposes set out, and standing timber thereon at the time of such use.

(d) The right to use any water upon said property.

(e) The right to construct and maintain roads, in such locations as the party of the second part may deem advisable, and complete right of ingress, egress and regress to and from such portions of said property where mining operations are in progress or to be conducted.

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

s/ BESSIE JOHNSON
s/ FRANK SIERSMA

ABOVE LEASE RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS FOR MACON COUNTY, NORTH CAROLINA ON NOVEMBER 2, 1951, IN BOOK A-6, PAGE 300.

BILL OF SALE

Know all men by these presents that I, Frank Siersma of Macon County, North Carolina have rhis the 6th day of November, 1951, for the sum of One Dollar ($1.00) and other good and valuable considerations, bargained and sold, and by these presents do bargain and sell, to ZEB ANGEL, of Macon County, North Carolina, all my right, title and interest in and to that certain lease described as follows:

BEING a lease from Bessie Johnson to Frank Siersma, dated October 29, 1951, and recorded in the office of the Register of Deeds for Macon County, North Carolina, in Book A-6, at Page 300; in which the following description appears: BEING the landsdeeded by Alex Moore, Sheriff of Macon County, on September 4, 1922, and recorded in the office of the Register of Deeds for Macon County in Book J-4 at Page 197.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this the 6th day of November, 1951.

s/ Frank Siersma

ABOVE BILL OF SALE WAS RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS FOR MACON COUNTY ON NOVEMBER 6, 1951, in Book A-6 at Page 303.

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Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma 2220 2409

Date received 11-9-51

ANGEL-WILDES MINE

ZEB ANGEL
FRANKLIN
NORTH CAROLINA

Name and address of applicant

Date 11/6/51

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 9½ miles NW of Franklin
   (*b*) Mining district. Franklin
   (*c*) Township, Section, Range. Burningtown
   (*d*) County, State. Macon County, N. C.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☒ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

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

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

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

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

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production: None. Operation will start upon completion of exploratory work

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

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

12. Ore or Mineral Reserves:

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

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor: none

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

ZEB ANGEL
(Name of company)

By Zeb Angel
(Signature of authorized official)

11/6/51
(Date)

(Title)

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

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

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma 2409

Date received 11-9-51

[illegible]

[illegible]

Name and address of applicant

Date [illegible]

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

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

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

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

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

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

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production: None. Production will start upon completion of exploratory work

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

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

12. Ore or Mineral Reserves:

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

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor: none

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

ZEB ANGEL
(Name of company)

By Zeb Angel
(Signature of authorized official)

11/6/51
(Date)

(Title)

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

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

Form MF-103
(April 1951)

U. DEPARTMENT OF THE INTER R

DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA 22228 2409

Date received 11-9-51

Participation

Defense Minerals Administration
RECEIVED
NOV 9 1951

ANGEL-JULIUS MINE

THE ANGEL
FRANKLIN
NORTH CAROLINA

Name and address of applicant

Date 11/6/51

FILL IN THIS BLOCK

Date of application 11/6/51

Estimated cost 36,820.00

Mineral or metal STRATEGIC MICA

Percentage of Government participation 90%

Location of mine 9½ miles N.W. of Franklin, N. C.

Date of filing MF-100 attached

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Individual

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. Applicant has mined and processed minerals for more than 40 years

*5. Are you the owner or the lessee of the property? Lessee

6. If owner, state what claims, liens, or encumbrances, if any, are against the property.

7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? 10% sufficient in accordance with MO-5

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any. Post-Hildes. Present name: Angel-Hildes Mine
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons. Sufficient on property
State amount of power to be used, rate per hour or other cost, and source. none required
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. NONE
15. State in detail how the ore could be shipped and how and where milled. Milled at and shipped from Franklin
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? SERAFINITE LEGA
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.
22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

ZEB ANGEL
(Name of company)

By Zeb Angel
(Signature of authorized official)

11/6/51
(Date)

(Title)

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

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

10. Description of property appears in attached copy of lease; all of which is made part of this exploration project.

12. Property is reached from Franklin, N.C. - 2 miles west on Highway 28, 4 miles south on Burningtown Road (County Road) and 1½ miles north on Wildes Cove Rd.

16. Angle-Wildes Mine lies within the main mica belt of the Franklin District; in the same lead as is located the Poll Miller Mine (a large past producer). Only a small amount of prospecting, shaft and ditching, was done here years ago. Lack of funds did not permit further work, though excellent signs appear.

21. PROPOSED WORK will consist of two projects:
PROJECT 1 - Dozer trenching 50' long - up to 100' long - 20' wide & 15' deep; a 50' shaft, 5' x 5', will then be sunk onto the pegmatite and vein to release the large blocks of mica which rest therein. This spot is located at a branch and will require pumping.
PROJECT 2 - Dozer-trenching 125' long, 25' wide and 15' deep; test pits (3) will then be dug into pegmatite, plus a shaft 50' deep & 5x5'.

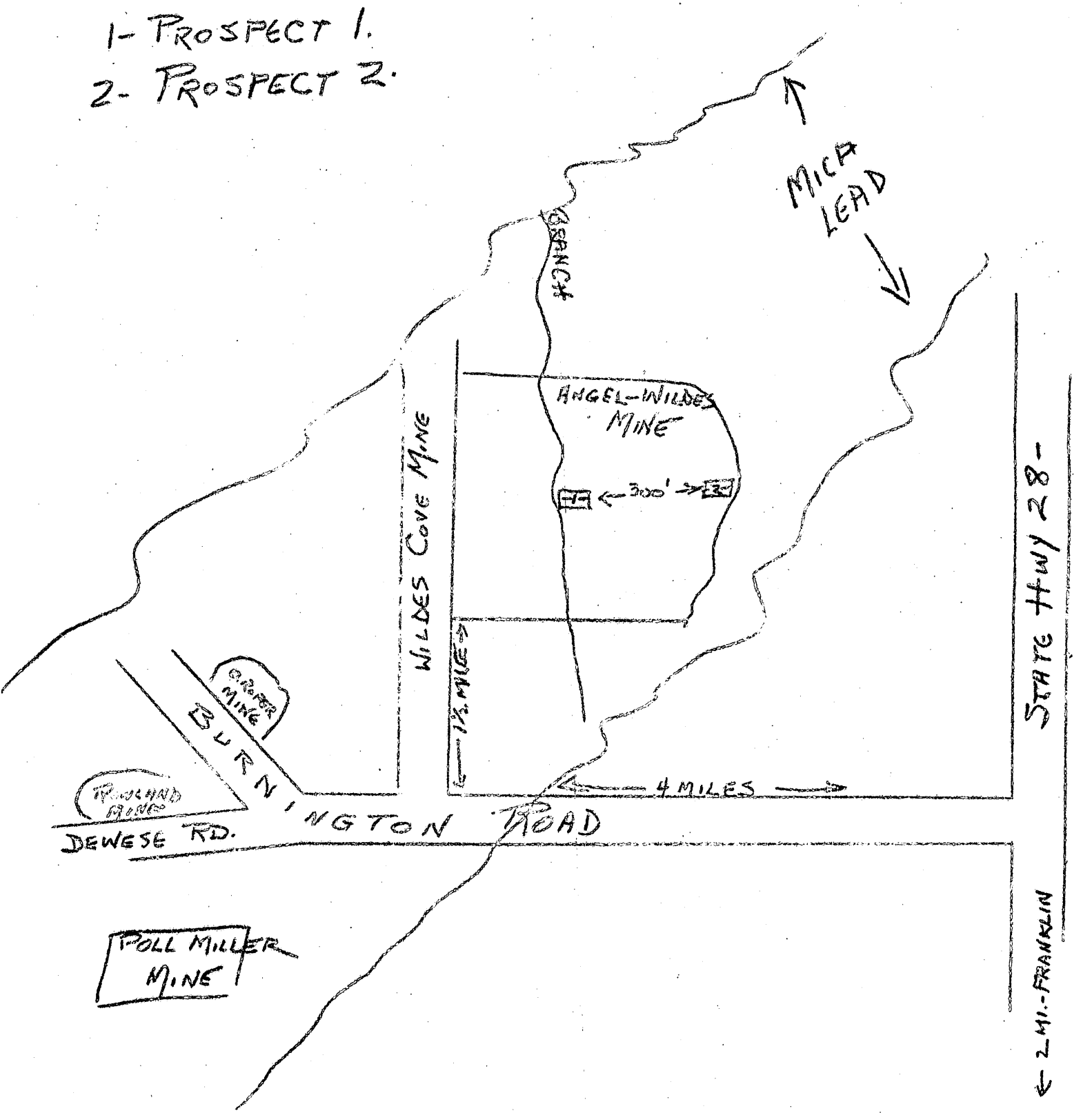
23. COST OF TOTAL WORK: (requires 40 days)

PROJECT 1:	Rental - dozer, 25 hours @ $10.00 per hour	$ 250.00
	Rental - sump pump, 40 days @ $5.00 per day	200.00
	Timber for shaft	200.00
	Rental - Jeep, 40 days @ $6.00	240.00
	Boom equipment for shaft	250.00
	Miscellaneous hand tools	70.00
	Superintendent-Engineer, 30 days @ $20.00	600.00
	Working Foreman, 40 days @ $15.00	600.00
	4 Laborers, 36 days each @ $10.00 per day each	1440.00
	Misc. expenses, pay taxes, office, sampling etc.	110.00
	TOTAL COST - PROJECT 1 -	$ 3,960.00
PROJECT 2:	Rental - dozer, 60 hours @ $10.00	$ 600.00
	Timber for shaft	200.00
	Boom equipment for shaft	250.00
	Superintendent-Engineer, 15 days @ $20.00	300.00
	Working Foreman, 30 days @ $15.00 per day	450.00
	3 Laborers, 30 days each @ $10.00 per day each	900.00
	Miscellaneous hand tools	75.00
	Misc. expenses, pay taxes, office, sampling etc.	85.00
	TOTAL COST - PROJECT 2 -	$ 2,860.00

TOTAL COST - BOTH PROJECTS - $6,820.00

IF BOTH PROJECTS ARE WORKED AT SAME TIME, $200.00 of Superintendent's time shown in Project 2, can be eliminated.

- - - -


1- PROSPECT 1.
2- PROSPECT 2.
MICA LEAD
BRANCH
ANGEL-WILDES MINE
300'
WILDES COVE MINE
1½ MILE
4 MILES
STATE HWY 28-
C.ROPER MINE
BURNINGTON ROAD
ROWLAND MINE
DEWESE RD.
POLL MILLER MINE
← 2 MI.-FRANKLIN

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of [illegible], State of [illegible], described in a certain Exploration Project Contract dated _____, 195__, between [illegible], the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated October 29, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 6th day of [illegible], 195[illegible]

[illegible]

By Frank Iversen

AUTHORIZED SIGNATURE (in accordance with lease)

U. S. GOVERNMENT PRINTING OFFICE 940768

10. COPY OF LEASE, ETC.

THIS LEASE AGREEMENT, made and entered into this 29th day of October, 1951, by and between BESSIE JOHNSON, as Guardian for Elmer Johnson, of Macon County, North Carolina, party of the first part, and FRANK STORSMA of Macon County, North Carolina, party of the second part, WITNESSETH:

That subject to the terms and conditions hereinafter set forth the said party of the first part has let and leased unto the said party of the second part, his heirs and assigns, the exclusive right and privilege to mine, dig and remove all minerals now in, under and upon a certain tract or parcel of land lying and being in Macon County, North Carolina, described as follows:

BEING the lands deeded by Alex Moore, Sheriff of Macon County, on September ~~22~~ 4, 1922, and recorded in the office of the Register of Deeds for Macon County in book J-4, on page 197; said lands having been conveyed at that date to Elmer Johnson for whom the party of the first part was appointed Guardian by the Superior Court of Macon County, State of North Carolina, on November 10, 1934, as attested by the attached certificate of Guardianship.

THE TERMS AND CONDITIONS OF THIS LEASE ARE AS FOLLOWS:

1. Unless sooner terminated as herein provided, this lease shall exist and continue for a term of five (5) years from date hereof; however, it is mutually agreed that, upon compliance with its terms and conditions, same shall be automatically extended from year to year thereafter.

2. That all royalties shall be paid on the 15th day of each calendar month following the sale and receipt of the sale price of minerals, and that as royalty or rental, the party of the second part, his heirs and assigns, shall pay to the party of the first part a sum equal to twelve and one half percent (12½%) of all sheet or block mica, One Dollar ($1.00) for ~~all~~ scrap mica, fifty cents (50¢) per ton for all feldspar and the usual royalties for all other minerals mined and sold.

3. The party of the second part, his heirs and assigns, shall keep an accurate record of all sales which shall be open to the inspection of the party of the first part.

4. The party of the second part, his heirs or assigns, agree that they will conduct mining operations upon said property for a period of not less than eight (8) months each year this lease remains in force and effect.

5. In the event the parties of the second part should apply for a government loan to explore or operate this property, the party of the first part hereby authorizes Frank Storsma to execute any required government agreements, in connection with same, in the name of and for, the party of the first part.

So long as this lease remains in force, the party of the second part, his heirs or assigns, in connection therewith, shall have and enjoy the following rights and privileges:

(a) The right to use the surface of said lands to the full extent that such use is reasonable, convenient or necessary in mining and removing the minerals from said lands and to use any portions of said surface for the purpose of dumping refuse and tailings as may be reasonably necessary or convenient.

10. COPY OF LEASE ETC. (cont'd)

(b) The right to construct and place buildings and machinery upon said lands and to remove same.

(c) The right to cut and use upon said lands, for the purposes set out, and standing timber thereon at the time of such use.

(d) The right to use any water upon said property.

(e) The right to construct and maintain roads, in such locations as the party of the second part may deem advisable, and complete right of ingress, egress and regress to and from such portions of said property where mining operations are in progress or to be conducted.

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

o/ BESSIE JOHNSON
o/ FRANK SIGERSMA

ABOVE LEASE RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS FOR MACON COUNTY, NORTH CAROLINA ON NOVEMBER 2, 1951, IN BOOK A-6, PAGE 300.

BILL OF SALE

Know all men by these presents that I, Frank Sigersma of Macon County, North Carolina have this the 6th day of November, 1951, for the sum of One Dollar ($1.00) and other good and valuable considerations, bargained and sold, and by these presents do bargain and sell, to ZEB ANGEL, of Macon County, North Carolina, all my right, title and interest in and to that certain lease described as follows:

BEING a lease from Bessie Johnson to Frank Sigersma, dated October 29, 1951, and recorded in the office of the Register of Deeds for Macon County, North Carolina, in Book A-6, at Page 300; in which the following description appears: BEING the landdeeded by Alex Moore, Sheriff of Macon County, on September 4, 1922, and recorded in the office of the Register of Deeds for Macon County in Book J-4 at Page 197.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this the 6th day of November, 1951.

o/ Frank Sigersma

ABOVE BILL OF SALE WAS RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS FOR MACON COUNTY ON NOVEMBER 6, 1951, in Book A-6 at Page 303.

- - - - -

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. Amd 2220 2409

Date received 11-9-51

ANGEL-EDWARDS MINE

ZEB ANGEL
FRANKLIN
NORTH CAROLINA

Name and address of applicant

Date 11/6/51

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 9½ miles NW of Franklin
   (*b*) Mining district. Franklin
   (*c*) Township, Section, Range. Burningtown
   (*d*) County, State. Macon County, N. C.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☒ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

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

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

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA ~~[illegible]~~ 2409

Date received 11-9-51

Participation

Defense Minerals Administration
RECEIVED
NOV 9 1951

RED ANGEL
FRANKLIN
NORTH CAROLINA

ANGEL-GERMAN MINE

Name and address of applicant

Date 11/6/51

FILL IN THIS BLOCK

Date of application 11/6/51

Estimated cost $6,020.00

Mineral or metal SERPENTINE MICA

Percentage of Government participation 90%

Location of mine 9½ miles N.W. of Franklin, N. C.

Date of filing MF-100 attached

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Individual

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the mining and general business experience of (a) the applicant, and (b) the person or persons who will manage the project. Applicant has mined and processed minerals for more than 40 years

*5. Are you the owner or the lessee of the property? Lessee

6. If owner, state what claims, liens, or encumbrances, if any, are against the property.

7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? Applicant has sufficient funds

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any. Past-Hilden, Present name: Angel-Hilden Mine
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons. Sufficient on property
    State amount of power to be used, rate per hour or other cost, and source. None required
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. None
15. State in detail how the ore could be shipped and how and where milled. Milled at and shipped from Franklin
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? Silver Lead
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.
22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

ADAMS
(Name of company)

By [signature]
(Signature of authorized official)

11/6/51
(Date)

(Title)

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

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

10. Ownership of property appears in attached copy of lease; all of which is made part of this exploration project.

12. Property is reached from Franklin, B.C. - 2 miles west on Highway 23, 4 miles south on Lumsington Road (County Road) and 1½ miles north on Miller Cove Rd.

16. Anglo-Miller Mine lies within the main mineralized belt of the Franklin District; in the same local as is located the Bull Miller Mine (a large past producer). Only a small amount of prospecting, shaft and ditching, was done some years ago. Lack of funds did not permit further work, though excellent signs appear.

21. PROPOSED WORK will consist of two projects:
PROJECT 1 - Dozer trenching, 50' long - up to 100' long - 20' wide & 15' deep; a 50' shaft, 5' x 5', will then be sunk onto the pegmatite and work to release the large blocks of mica which sort therein. This spot is located at a branch and will require pumping.
PROJECT 2 - Dozer-trenching; 125' long, 25' wide and 15' deep; test pits (3) will then be dug into pegmatite, plus a shaft 5' deep & 5x5'.

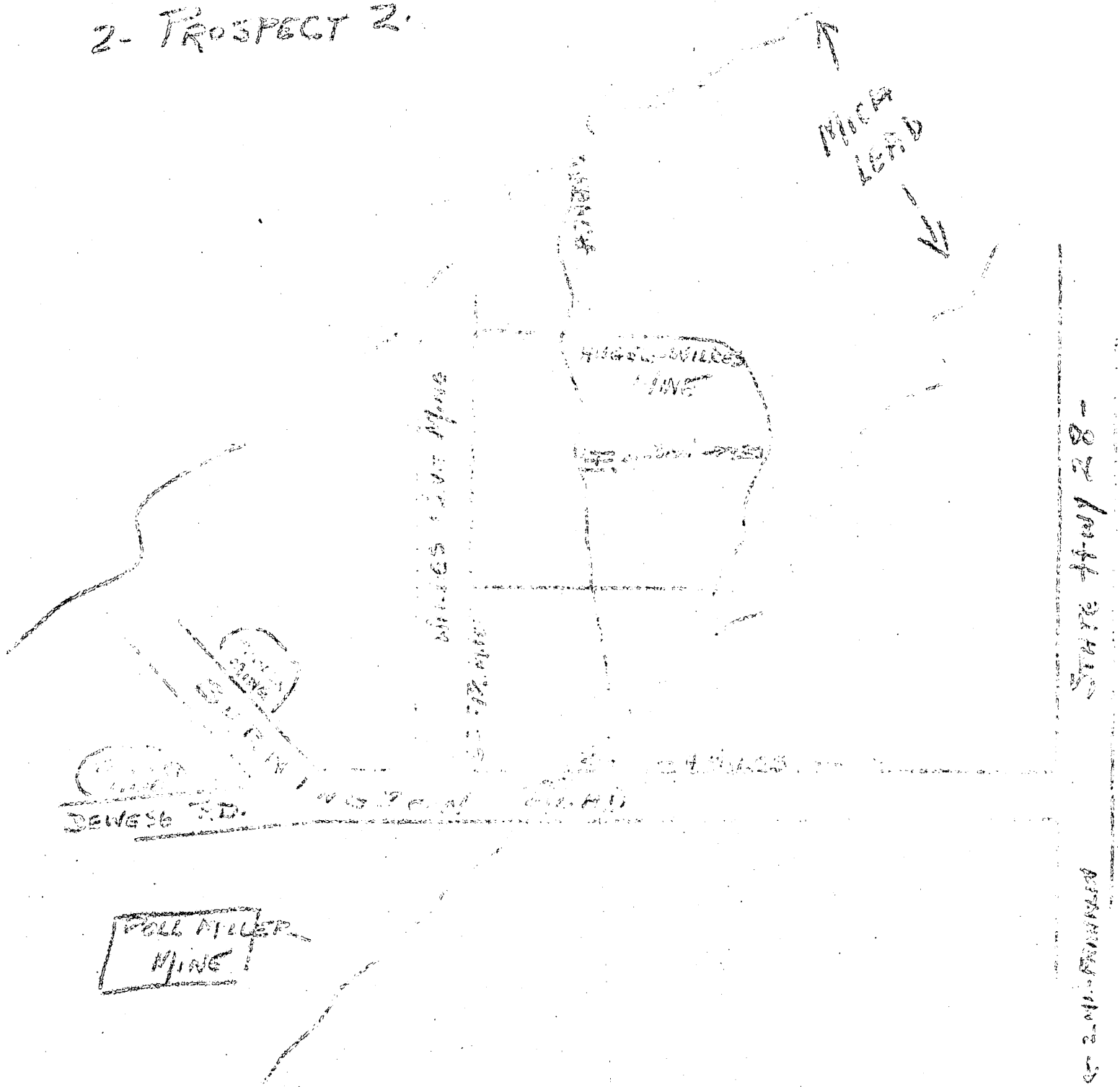
22. COST OF TOTAL WORK: (requires 60 days)

PROJECT 1:	Rental - dozer, 25 hours @ $10.00 per hour	$ 250.00
	Rental - sump pump, 40 days @ $5.00 per day	200.00
	Timber for shaft	250.00
	Rental - jack, 30 days @ $7.00	210.00
	Iron equipment for shaft	250.00
	Miscellaneous hand tools	70.00
	Superintendent-Engineer, 20 days @ $20.00	600.00
	Working Foreman, 60 days @ $10.00	600.00
	4 laborers, 35 days each @ $10.00 per day each	1400.00
	Misc. expenses, pay taxes, office, supplies etc.	120.00
	TOTAL COST - PROJECT 1 -	$ 3,950.00
PROJECT 2:	Rental - dozer, 60 hours @ $10.00	$ 600.00
	Timber for shaft	200.00
	Iron equipment for shaft	250.00
	Superintendent-Engineer, 15 days @ $20.00	300.00
	Working Foreman, 30 days @ $15.00 per day	450.00
	3 laborers, 30 days each @ $10.00 per day each	900.00
	Miscellaneous hand tools	75.00
	Misc. expenses, pay taxes, office, supplies etc.	125.00
	TOTAL COST - PROJECT 2 -	$ 2,900.00
	TOTAL COST - BOTH PROJECTS -	$6,850.00

IF BOTH PROJECTS ARE MADE AT THE SAME TIME, $600.00 of Superintendent's time shown in Project 2, can be eliminated.

- - - -

1- PROSPECT 1.
2- PROSPECT 2.



MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of [illegible], State of [illegible], described in a certain Exploration Project Contract dated _____, 195___, between [illegible], the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated _____ [illegible], does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this [illegible] day of [illegible], 195[illegible]

[illegible]

By Frank [illegible]

[illegible]

U. S. GOVERNMENT PRINTING OFFICE 940768

10. COPY OF LEASE, ETC.

THIS LEASE AGREEMENT, made and entered into this 20th day of October, 1951, by and between [illegible] JOHNSON, as Guardian for Elmer Johnson, of Macon County, North Carolina, party of the first part, and [illegible] of Macon County, North Carolina, party of the second part, WITNESSETH:

That subject to the terms and conditions hereinafter set forth the said party of the first part has let and leased unto the said party of the second part, his heirs and assigns, the exclusive right and privilege to mine, dig and remove all minerals now in, under and upon a certain tract or parcel of land lying and being in Macon County, North Carolina, described as follows:

> BEING the lands deeded by Alex Moore, Sheriff of Macon County, on September 22 d, 1922, and recorded in the office of the Register of Deeds for Macon County in book 6-L, on page 397; said lands having been conveyed at that date to Elmer Johnson for whom the party of the first part was appointed Guardian by the Superior Court of Macon County, State of North Carolina, on November 10, 1921, as attested by the attached certificate of Guardianship.

THE TERMS AND CONDITIONS OF THIS LEASE ARE AS FOLLOWS:

1. Unless sooner terminated as herein provided, this lease shall exist and continue for a term of five (5) years from date hereof; however, it is mutually agreed that, upon compliance with the terms and conditions, same shall be automatically extended from year to year thereafter.

2. That all royalties shall be paid on the 15th day of each calendar month following the sale and receipt of the sale price of minerals, and that as royalty or rental, the party of the second part, his heirs and assigns, shall pay to the party of the first part a sum equal to twelve and one half percent (12½%) of all sheet or block mica, two dollars ($2.00) for all lump mica, fifty cents (50¢) per ton for all feldspar and the usual royalties for all other minerals mined and sold.

3. The party of the second part, his heirs and assigns, shall keep an accurate record of all sales which shall be open to the inspection of the party of the first part.

4. The party of the second part, his heirs or assigns, agree that they will conduct mining operations upon said property for a period of not less than eight (8) months each year this lease remains in force and effect.

5. In the event the parties of the second part should apply for a government loan to explore or operate this property, the party of the first part hereby authorizes Frank Moore to execute any required government agreements, in connection with same, in the name of and for, the party of the first part.

So long as this lease remains in force, the party of the second part, his heirs or assigns, in connection therewith, shall have and enjoy the following rights and privileges:

(a) The right to use the surface of said lands to the full extent that such use is reasonable, convenient or necessary in mining and removing the minerals from said lands and to use any portions of said surface for the purpose of dumping refuse and tailings as may be reasonably necessary or convenient.

10. [illegible] (cont'd)

(b) The right to construct and place buildings and machinery upon said lands and to remove same.

(c) The right to cut and use trees said lands, for the purpose cut out, and otherwise dispose thereof at the sole of such use.

(d) The right to use any water upon said property.

(e) The right to construct and maintain roads, in such locations as the party of the second part may deem advisable, and to grant rights of ingress, egress and regress to and from any portions of said property thereto adjacent, operations are in progress or to be established.

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

/s/ [illegible]
/s/ [illegible]

[illegible] BY THE [illegible] OF [illegible] [illegible] COUNTY, [illegible] CONTAINS [illegible] 2, 1952, IN BOOK [illegible], [illegible].

[illegible]

Now all men by these presents that I, [illegible], [illegible] Carolina have this the [illegible] day of November, 1951, for the use of the Dollar ($1.00) and other good and valuable consideration, bargained and sold, and by these presents do bargain and sell, to [illegible], of [illegible] County, North Carolina, all my right, title and interest in and to that certain land described as follows:

BEING a tract [illegible] between the [illegible] dated October 2, 1951, and recorded in the office of the Register of Deeds for [illegible] County, North Carolina, in Book [illegible], at Page [illegible] to which the following [illegible] appears: [illegible] by [illegible], [illegible], on September 4, 1952, and recorded in the office of the Register of Deeds for Macon County in Book [illegible] at Page 297.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this the [illegible] day of November, 1951.

/s/ [illegible]

[illegible] BILL OF SALE [illegible] [illegible] OF [illegible] [illegible] [illegible] COUNTY ON NOVEMBER 6, 1952, IN BOOK [illegible] AT PAGE 209.

* * * * *

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. dmal 2-2-28 2409

Date received 11-9-51

ANGEL-WILDES MINE

ZEB ANGEL
FRANKLIN
NORTH CAROLINA

Name and address of applicant

Date 11/6/51

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 9½ miles NW of Franklin
   (*b*) Mining district. Franklin
   (*c*) Township, Section, Range. Burningtown
   (*d*) County, State. Macon County, N. C.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

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

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

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

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

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production: None. Operation will start upon completion of exploratory work

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

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

12. Ore or Mineral Reserves:

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

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor: none

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

ZEB ANGEL
(Name of company)

By Zeb Angel
(Signature of authorized official)

11/6/51
(Date)

(Title)

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

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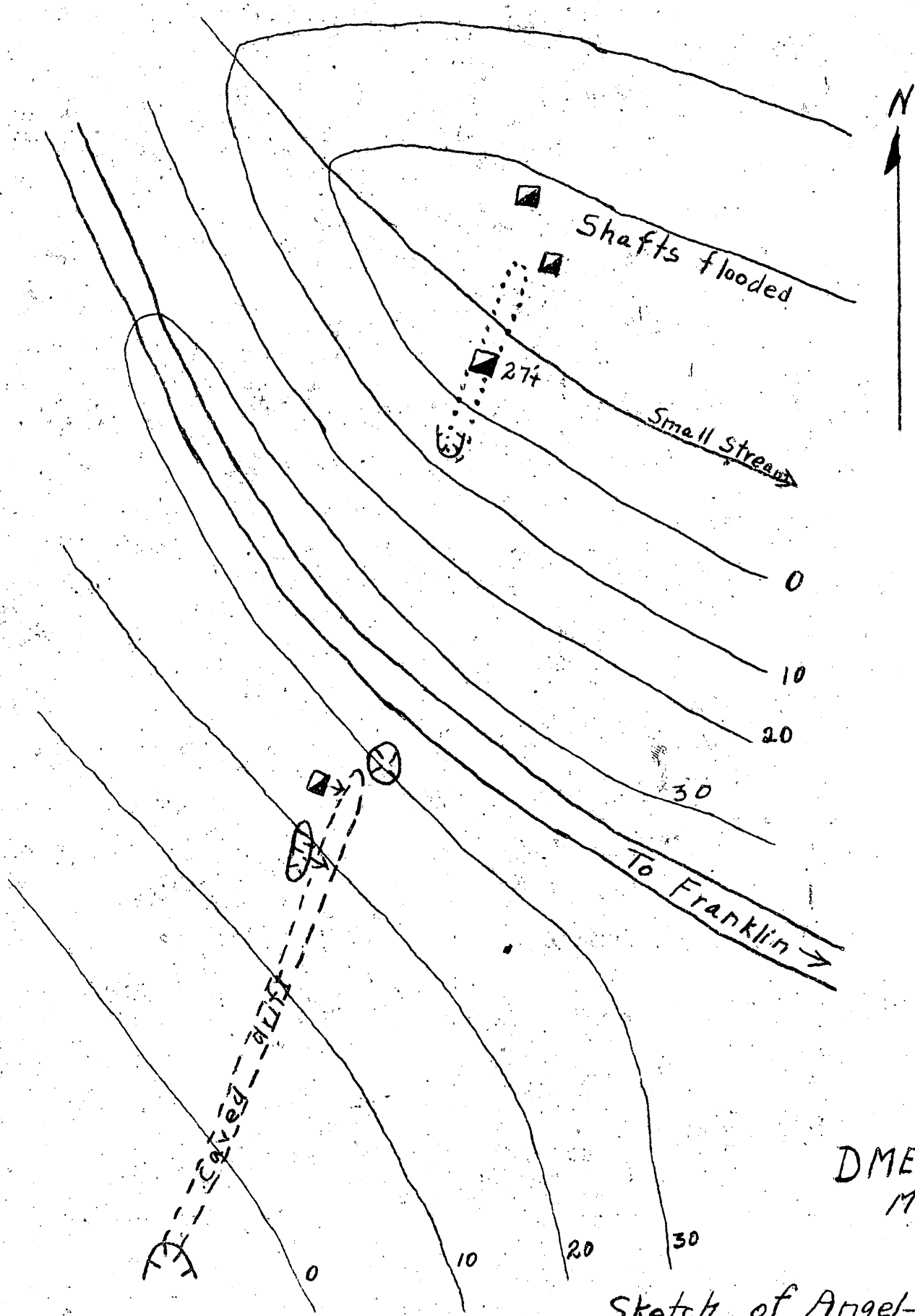
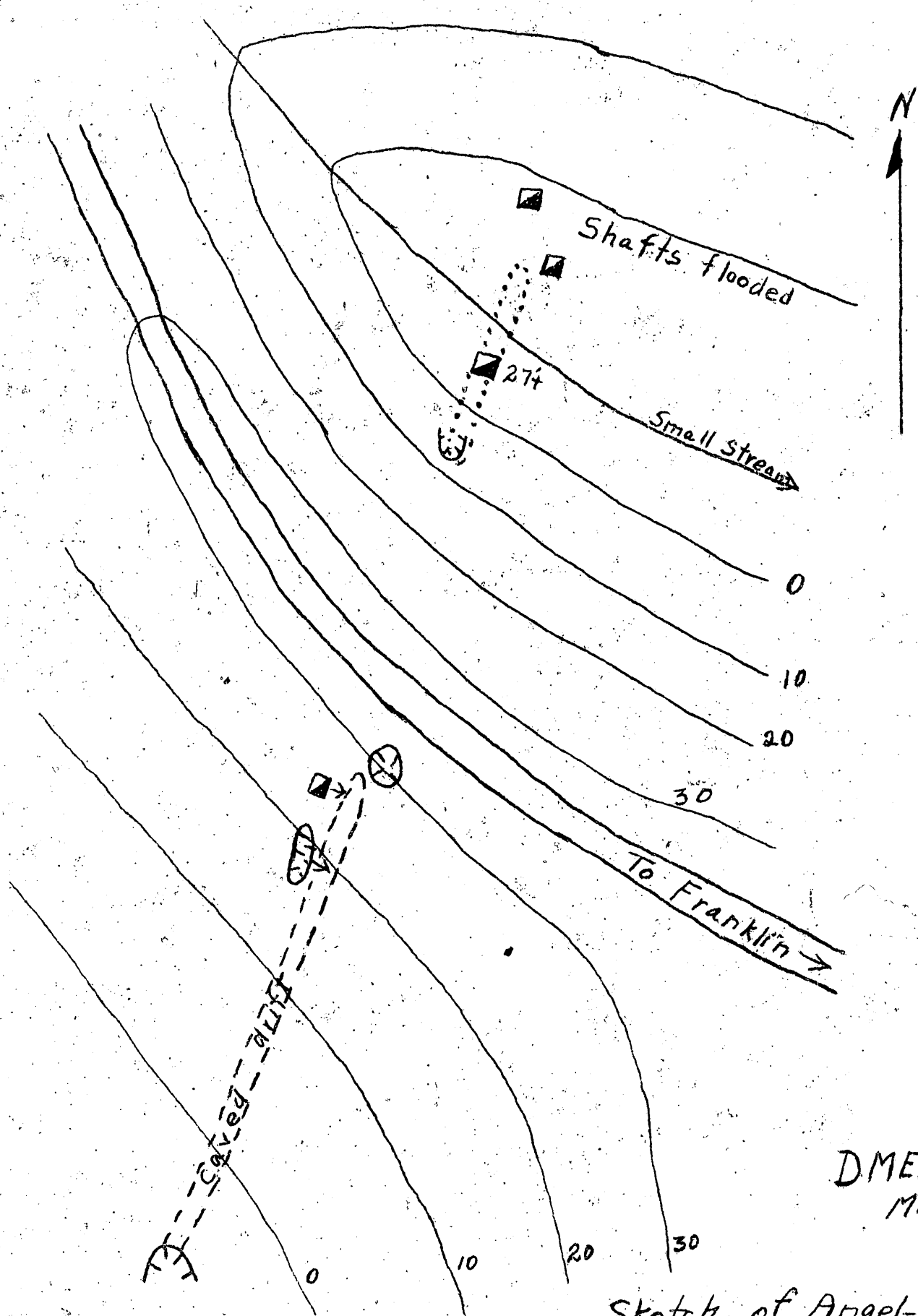


DMEA-2409
Mica

Sketch of Angel-Wildes Mine
Scale: 1" = 40'
:::: Proposed drift



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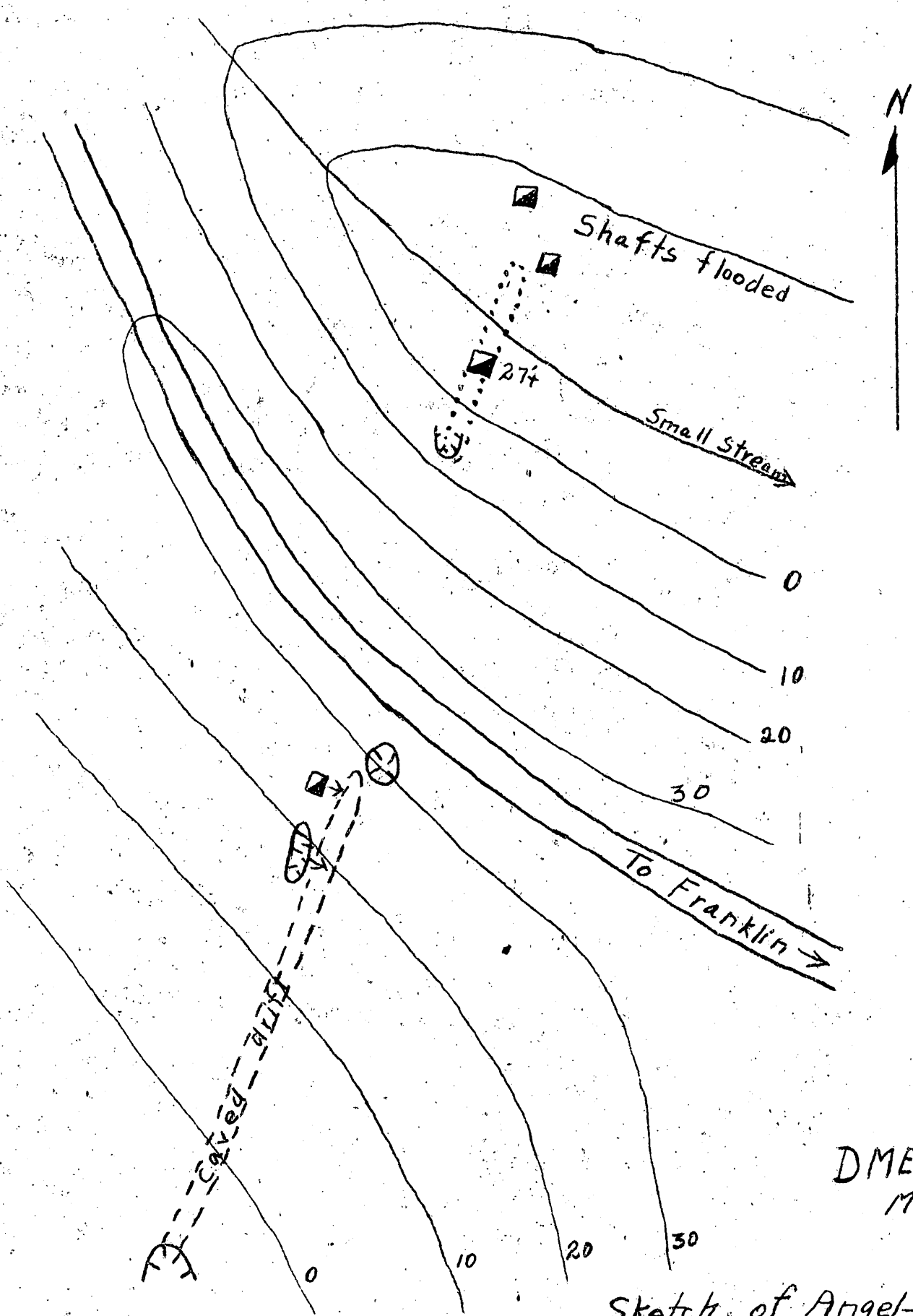

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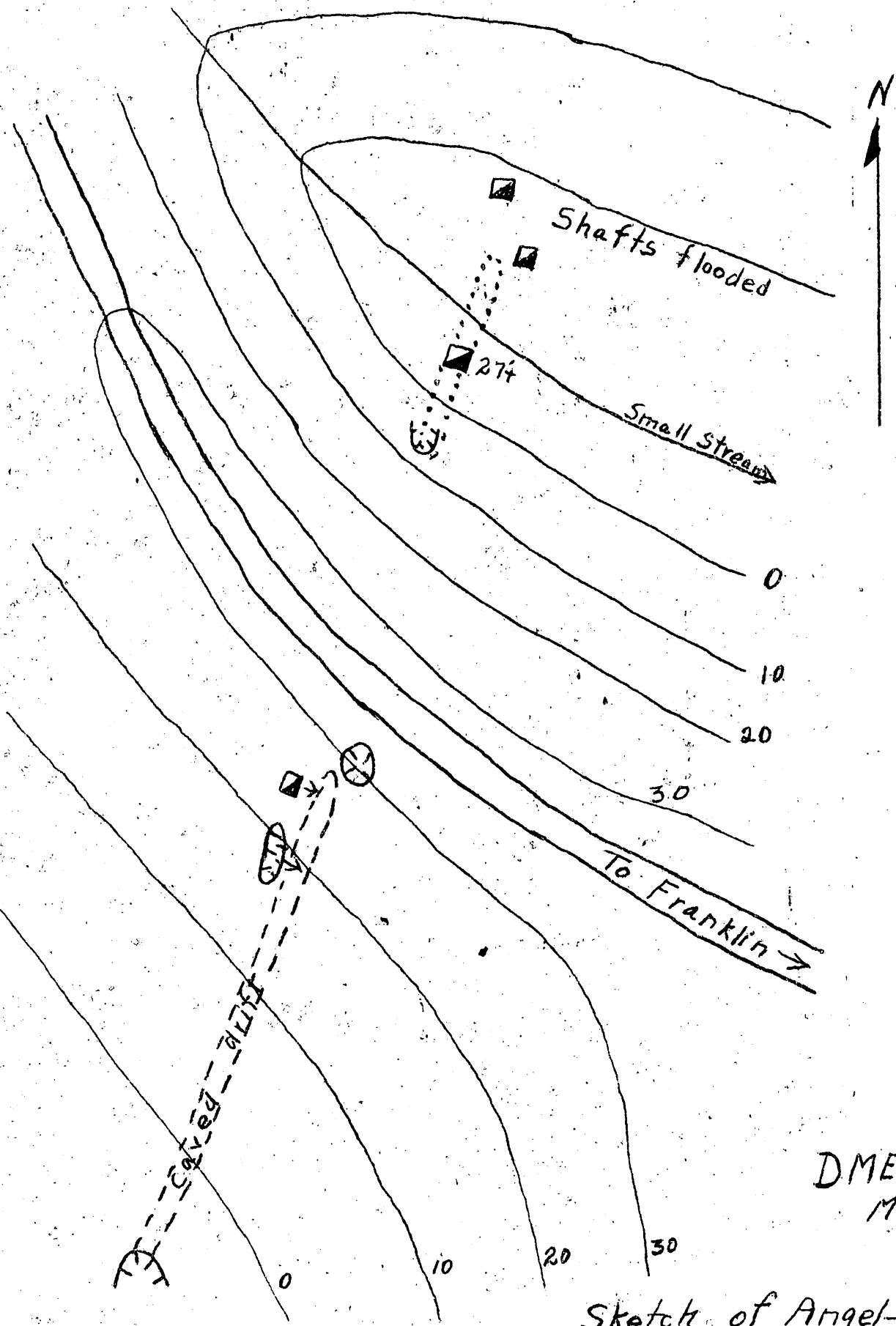

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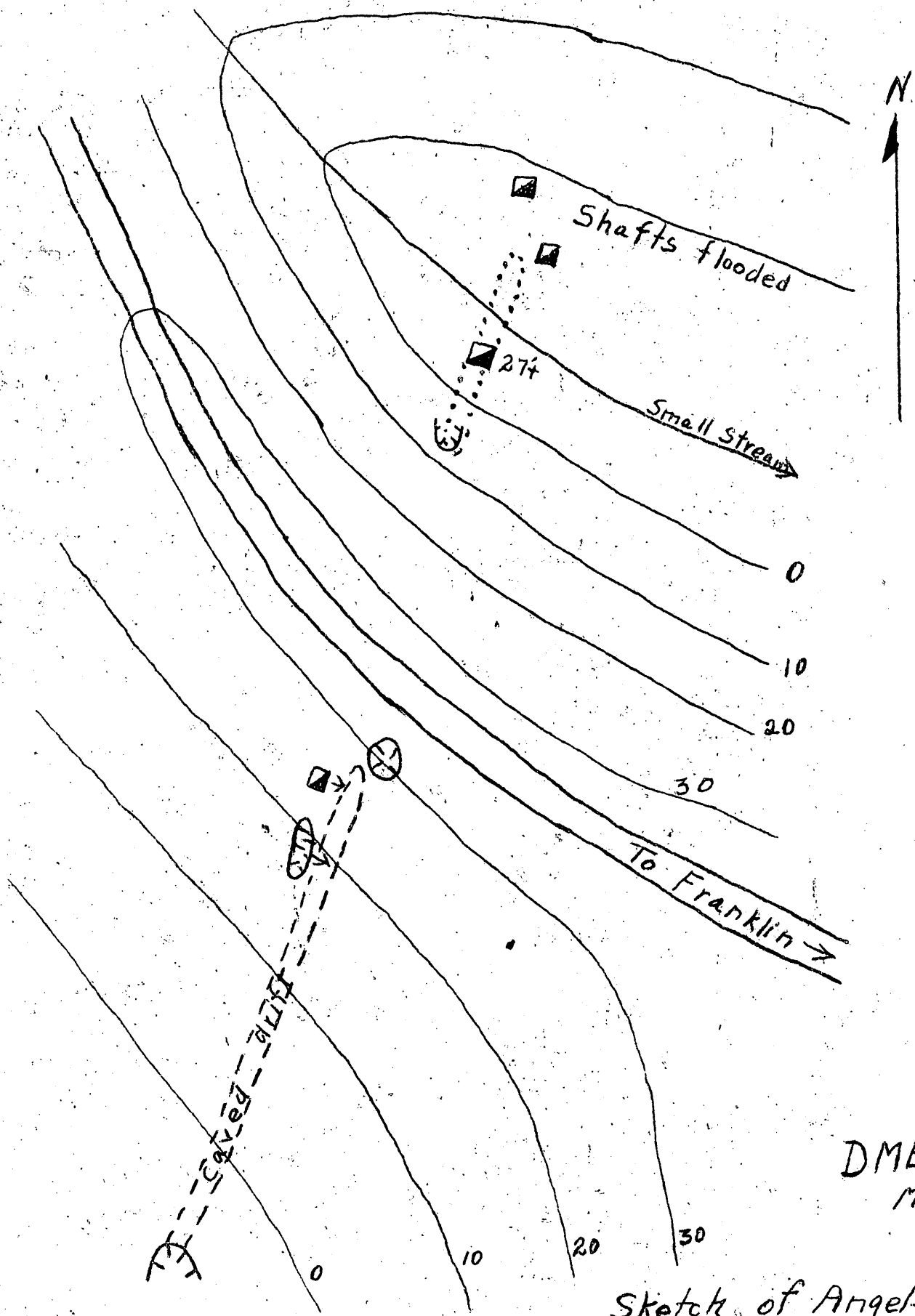

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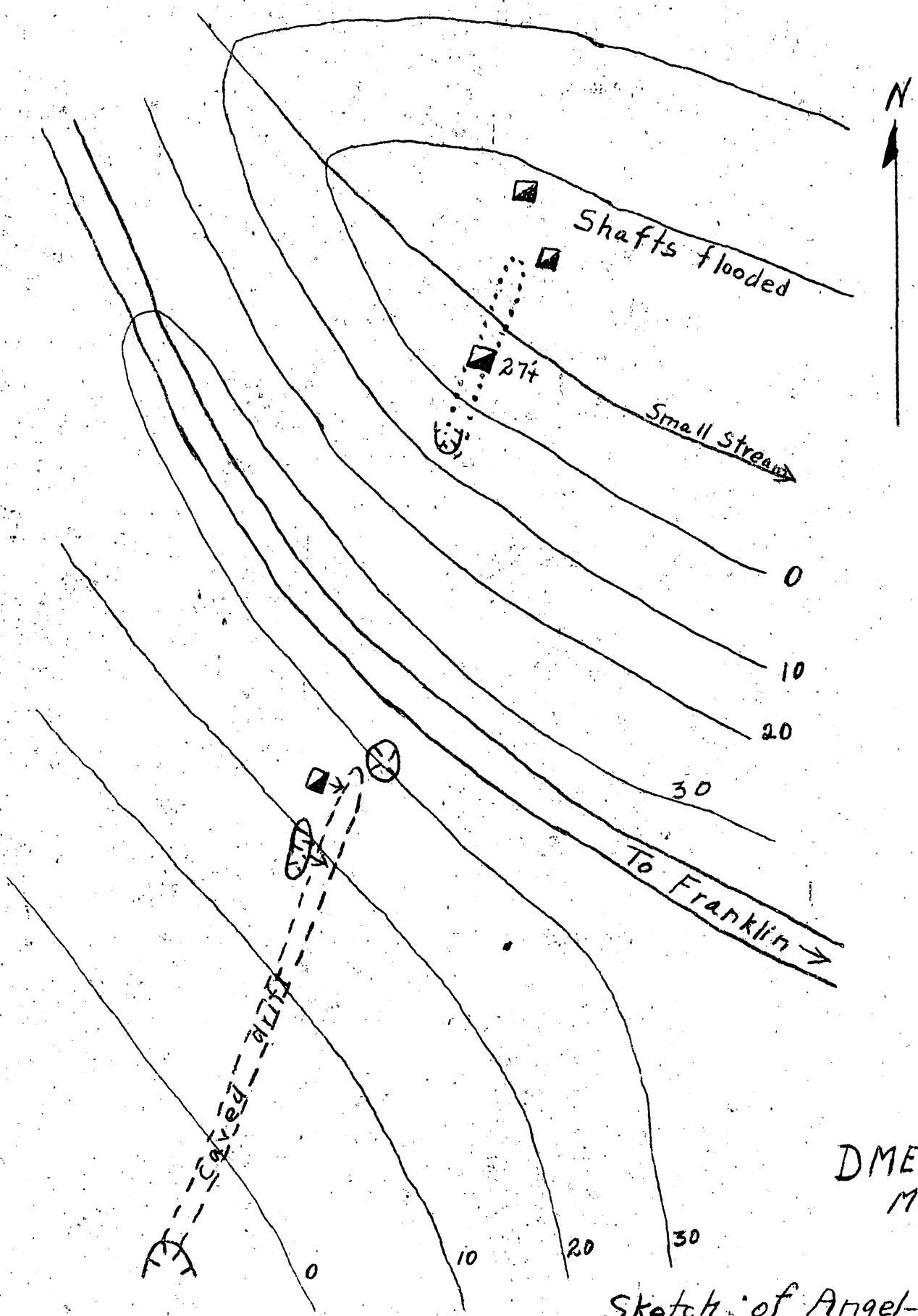

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