DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip Mica.

CONTROLLED DOCUMENT

~~DMA~~ DMEA Docket No. 2221

DO NOT DETACH THIS SLIP

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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:	Nonmetallics Br.	Date	11/16/51
To:	P.E. Div.	Date	11/21/51
To:	Operating Com.	Date	4-25-52
To:	Operating Com.	Date	5-28-52
To:		Date	
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DO NOT DETACH

CONTROLLED DOCUMENT

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Room 13, Post Office Bldg.
Knoxville 2, Tenn.

March 2, 1953

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region 7

Subject: Application of Mica Industries Inc. DMEA-2904 (mica)
A. T. Hurst Mine)

Reference is made to the subject application, copy of which was received in this office today.

This is the same property on which Mr. Odell Hurst made an application, DMEA-2221, and which was denied on the strenght of a field examination made by Kefton H. Teague of the U.S.G.S.

There is nothing in the application which will lead one to believe that the property shows any thing more than what was reported in Mr. Teague's examination report of March 12, 1952.

/s/ Wm. A. Beck
Wm. A. Beck.

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

June 20, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2221, Mica, A. T. Hurst Mine
Macon County, North Carolina

The supplementary data furnished by Mr. Frank Sizemore on May 3, 1952, does not justify an exploration program.

W. F. Dietrich

Mr. Odell Hurst
Franklin
North Carolina

Subject: Docket No. DMEA-2221 - Mica
A. T. Hurst Mine
Macon County, North Carolina

Dear Mr. Hurst:

This refers to your request, through Mr. Frank Siersma, for reconsideration of the subject application for exploration assistance which was denied in our letter of April 8, 1952.

All the data on this mine was carefully considered before its denial. The additional information submitted with Mr. Siersma's letter had been observed and evaluated in the course of the field examination.

Unless additional work is done to provide new exposures and samples of strategic grade mica from the mine, exploration assistance cannot be recommended.

Thank you for your interest in the mica exploration program.

Sincerely yours,

C. O. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

SAFeitler:mp 5/26/52
cc: Docket File
Operating Committee (2)
Field Team, Region VII (2)
Adm. Reading File
Mr. Dietrich, 3526
Mr. Norton, G-232, GSA Bldg.
Mr. Houk

IN REPLY REFER TO:
G-MD-JJN

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

May 28, 1952

Memorandum

REVIEW OF SUPPLEMENTARY DATA SUBMITTED FOR APPLICATION DMEA-2221 (Mica).

To: L. G. Houk, Non-Metallic Minerals Division, DMEA.

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

Applicant: Odell Hurst.
Name of property: A. T. Hurst.
Location of property: Macon County, North Carolina.

Comments:

1. Data submitted does not justify reconsideration of project.
2. I infer that Mr. Sierma may be unaware that a field examination of this property has been made.

RECOMMENDATION:

Reaffirm denial.

J. J. Norton

JJNorton:hhp
G-5/28/52
cc: Director's Reading file, 4212
DMEA file,
~~Branch file, 4208~~
Branch Reading file, 4212
JJNorton, G-230, GSA Bldg., USGS
extra
extra

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

Subject: Docket No. DMEA-2221
Mica
A. T. Hurst Mine
Macon County, North Carolina

Dear Mr. Laurence:

The subject application was denied April 28, 1952.

The attached page of additional information, and letter requesting reconsideration of the denial, were received May 6, 1952. Does this change your recommendation?

Sincerely yours,

Lawrence G. Houk, Chief
Nonmetallic Minerals Division
Defense Minerals Exploration Administration

Enclosures - 2

SAFeitler:mp 5/8/52
cc: Docket File
Adm. Reading File
Mr. Houk

May 8, 1952

Memorandum

To: Mr. J. J. Norton
U. S. Geological Survey

From: Chief, Nonmetallic Minerals Division, DMEA

Subject: Docket No. DMEA-2221 - Mica
A. T. Hurst Mine, Mason County, North Carolina

The subject application was denied April 28, 1952.

The attached page of additional information, and letter requesting reconsideration of the denial, were received May 6, 1952. Does this change your recommendation?

Lawrence G. Houk, Chief
Nonmetallic Minerals Division
Defense Minerals Exploration
Administration

Attachments - 2

SAFeitler:mp
cc: Docket File
Mr. Houk
Mr. Feitler

May 8, 1952

Memorandum

To: W. F. Dietrich, Chief
Ceramic and Fertilizer Materials Branch, Bureau of Mines

From: Chief, Nonmetallic Minerals Division, DMEA

Subject: Docket No. DMEA-2221 - Mica
A. T. Hurst Mine, Macon County, North Carolina

The subject application was denied April 28, 1952.

The attached page of additional information, and letter requesting reconsideration of the denial were received May 6, 1952.

Does this change your recommendation?

Lawrence G. Houk, Chief
Nonmetallic Minerals Division
Defense Minerals Exploration
Administration

Attachments - 2

SAFeitler:mp
cc: Docket file
Mr. Houk
Mr. Feitler

IN REPLY REFER TO:

G-MD-JJN

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

April 2, 1952

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2221 (Mica).
To: Non-Metallic Minerals Division, DMEA.
From: J. J. Norton, U. S. Geological Survey.
Applicant: Odell Hurst
Name of property: A. T. Hurst
Location of property: 10.5 miles NE of Franklin, North Carolina.
Field team's recommendation: Denial

ACTION SUGGESTED:
Follow field team's recommendation.

J. J. Norton

JJNorton:hhp
G-4/2/52
cc: Director's Reading file, 4212
Branch Reading file, 4212
DMEA
JJNorton, G-230, GSA Bldg., USGS
extra

February 13, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-0221: Mica: Odell Hurst

It is recommended that subject applicant be asked for further information, with special reference to the size and quality of the mica, a more detailed plan of the proposed exploration, and other relevant questions not answered adequately in the application.

Signed
W. F. DIETRICH

WFDietrich/em

Copy to: Ceramic & Fertilizer Materials Branch
Minerals Division
Mr. Houk
F I L E S

2/25/52

600

Mr. Odell Hurst

Franklin, North Carolina

Subject: Docket No. DMA-2221 - Mica
A. T. Hurst Mine
Mica City Creek Road
Macon County, North Carolina

Dear Mr. Hurst:

Your above application does not contain enough information to allow a proper analysis of your proposed exploration program.

Please supply detailed answers to the questions in Form MF-103. It is particularly important that you describe in detail the work done last year - with a sketch. Also submit answers to the following:

How much pegmatite is exposed? Length? Width?

Is mica showing in the pegmatite?

What color is the mica?

What is the size of the mica books?

Is mica showing in the soil? Color? Size?

Kindly send a representative sample of the mica from the A. T. Hurst Mine to Mr. George A. Purcell, Federal Supply Service, General Services Administration, Harborside Warehouse, Jersey City, New Jersey.

When you submit answers to the above questions, the review of your application can be completed.

Thank you for your interest in the defense effort.

Sincerely yours,

Lgd 2/25

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

SAFeitler:gad 2/25/52
Copy to: Admin. Reading File
Mr. Dietrich, 3526
Mr. Houk
Docket File
Field Team, Reg. VII
Mr. Norton, G-228, GSA Bldg.

Copy of MF-103 and MF-100 with attachments enclosed with copy of this letter sent to Field Team, Region VII.

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

2/25/52

Mr. Odell Hurst

Franklin, North Carolina

Subject: Docket No. DMEA-2221 - Mica
A. T. Hurst Mine
Mica City Creek Road
Macon County, North Carolina

Dear Mr. Hurst:

Your above application does not contain enough information to allow a proper analysis of your proposed exploration program.

Please supply detailed answers to the questions in Form MF-103. It is particularly important that you describe in detail the work done last year - with a sketch. Also submit answers to the following:

How much pegmatite is exposed? Length? Width?

Is mica showing in the pegmatite?

What color is the mica?

What is the size of the mica books?

Is mica showing in the soil? Color? Size?

Kindly send a representative sample of the mica from the A. T. Hurst Mine to Mr. George A. Purcell, Federal Supply Service, General Services Administration, Harborside Warehouse, Jersey City, New Jersey.

When you submit answers to the above questions, the review of your application can be completed.

Thank you for your interest in the defense effort.

Sincerely yours,

Sgd 2/25/52

Copy to: Field Team, Reg. VII
with MF-103 and MF-100

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

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

April 18, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-2221, A. T. Hurst Mine, Franklin, Macon County, North Carolina, (Mica).

I concur in the field team's recommendation to deny subject application on the basis of poor quality and apparent small size of the deposit.

W. F. Dietrich

Geological Survey

February 14, 1952

Memorandum

To: Non-Metallic Minerals Division, Defense Minerals Exploration Administration

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

Subject: Odell Hurst's application (DMEA- 2221) for aid in exploring the A. T. Hurst prospect for pegmatite minerals. (mica)

Location of prospect: On Mica City Creek Road, 10½ miles N.W. of Franklin, Macon Co., 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 some (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: The vague generalities under question 2 give no information that can be used in evaluating the application.

Copy to: Branch Reading File, 4212
DMEA ✓
Kupfer, G-220, GS Bldg

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

For Docket File

June 20, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2221, Mica, A. T. Hurst Mine
Macon County, North Carolina

The supplementary data furnished by Mr. Frank Siersma on May 3, 1952, does not justify an exploration program.

W. F. Dietrich

W. F. Dietrich

JUN 20 1952

FILE COPY
SURNAME:

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

600

MAY 28 1952

SAFeitler
Houk
Hedges
Johnson
RE Johnson

Mr. Odell Hurst
Franklin
North Carolina

Subject: Docket No. DMEA-2221 - Mica
A. T. Hurst Mine
Mason County, North Carolina

Dear Mr. Hurst:

This refers to your request, through Mr. Frank Sierema, for reconsideration of the subject application for exploration assistance which was denied in our letter of April 8, 1952.

All the data on this mine was carefully considered before its denial. The additional information submitted with Mr. Sierema's letter had been observed and evaluated in the course of the field examination.

Unless additional work is done to provide new exposures and samples of strategic grade mica from the mine, exploration assistance cannot be recommended.

Thank you for your interest in the mica exploration program.

Sincerely yours,

C. O. Mittendorf

5/29

Acting Administrator
Defense Minerals Exploration
Administration

SAFeitler:mp 5/26/52
cc: Docket File
Operating Committee (2)
Field Team, Region VII (2)
Adm. Reading File
Mr. Dietrich, 3526
Mr. Norton, G-232, GSA Bldg.
Mr. Houk

IN REPLY REFER TO:

G-MD-JJN

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

So. Settle

May 28, 1952

Memorandum

REVIEW OF SUPPLEMENTARY DATA SUBMITTED FOR APPLICATION DMEA-2221 (Mica).

To: L. G. Houk, Non-Metallic Minerals Division, DMEA.

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

Applicant: Odell Hurst.
Name of property: A. T. Hurst.
Location of property: Macon County, North Carolina.

Comments:

1. Data submitted does not justify reconsideration of project.
2. I infer that Mr. Sierma may be unaware that a field examination of this property has been made.

RECOMMENDATION:

Reaffirm denial.

J. J. Norton

J. J. Norton

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 29 1952

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

Room 13, Post Office Building
Knoxville, Tennessee

May 21, 1952

Memorandum

To: L. G. Houk, Acting Chief, Non-Metallic Minerals Div. DMEA
Thru: Operating Committee

From: Field Team, Region VII

Subject: DMEA-2221, A. T. Hurst Mine (mica)

Your letter of May 19, transmitting a letter from Frank Siersma and page of additional data on the subject application have been received.

We see nothing in the letter or the additional data which adds significantly to the information in Mr. Teague's examination report of March 12. However, Mr. Siersma says the pegmatite contains entirely ruby mica, whereas Mr. Teague saw both green and ruby mica, and states that the mica is bent, badly cracked, and very little of strategic grade. Mr. Siersma did not supply the requested sample, saying that representative samples are unavailable.

Unless additional work is done to provide new exposures, or to provide acceptable samples of strategic grade mica, we do not wish to change the recommendation for denial.

Robert A. Laurence

Robert A. Laurence,
Executive Officer, DMEA
Region VII

Wm. A. Beck

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
MAY 23 1952

FILE COPY
SURNAME:

SFeitler

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

MAY 19 1952

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

Subject: Docket No. DMEA-2221
Mica
A. T. Hurst Mine
Macon County, North Carolina

Dear Mr. Lawrence:

The subject application was denied April 28, 1952.

The attached page of additional information, and letter requesting reconsideration of the denial, were received May 6, 1952. Does this change your recommendation?

Sincerely yours,

SIGNED cc 5/19

Lawrence G. Houk, Chief
Nonmetallic Minerals Division
Defense Minerals Exploration
Administration

Enclosures - 2

SAFeitler:mp 5/8/52
cc: Docket File
Adm. Reading File
Mr. Houk

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

May 16, 1952

Memorandum

To: Nonmetallic Minerals Division, Defense Minerals Exploration Administration

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

Subject: Docket No. DMEA-2221 - Mica
A. T. Hurst Mine, Macon County, North Carolina

Since the field team report of March 12, 1952 recommended denial of subject application, it may be persumed that the supplementary data submitted by applicant on May 3, 1952 has been observed and evaluated, hence there seems to be no justification for changing our former recommendation of denial.

W. F. Dietrich
W. F. DIETRICH

J. J. Norton
verified agreement
by telephone
SAF

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 19 1952

FILE COPY
SURNAME:

Feitler

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

600

May 8, 1952

Memorandum

To: W. F. Dietrich, Chief
Ceramic and Fertilizer Materials Branch, Bureau of Mines

From: Chief, Nonmetallic Minerals Division, DMEA

Subject: Docket No. DMEA-2221 - Mica
A. T. Hurst Mine, Macon County, North Carolina

The subject application was denied April 28, 1952.

The attached page of additional information, and letter requesting reconsideration of the denial were received May 6, 1952.

Does this change your recommendation?

5/19

Lawrence G. Houk, Chief
Nonmetallic Minerals Division
Defense Minerals Exploration
Administration

Attachments - 2

SAFeitler:mp
cc: Docket file
Mr. Houk
Mr. Feitler

FILE COPY
SURNAME:

SAFeitler

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

600

May 8, 1952

Memorandum

To: Mr. J. J. Norton
U. S. Geological Survey

From: Chief, Nonmetallic Minerals Division, DMEA

Subject: Docket No. DMEA-2221 - Mica
A. T. Hurst Mine, Macon County, North Carolina

The subject application was denied April 28, 1952.

The attached page of additional information, and letter requesting reconsideration of the denial, were received May 6, 1952. Does this change your recommendation?

SIGNED 5/19

Lawrence G. Houk, Chief
Nonmetallic Minerals Division
Defense Minerals Exploration
Administration

Attachments - 2

SAFeitler:mp
cc: Docket File
Mr. Houk
Mr. Feitler

FRANK SIERSMA
MINE AND MINERAL CONSULTANT
P. O. BOX 336
FRANKLIN, N. C.

May 3, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 6 1952

Mr. C. O. Mittendorf
Acting Administrator
DMEA, Washington, D.C.

Re: A. T. Hurst Mine
Docket No. DMEA-2221

Dear Mr. Mittendorf:

Mr. Odell Hurst received a letter from Mr. Lawrence Houk, dated February 25, requesting additional data connected with his application. Yesterday he received yours dated April 28, denying same. Both were brought to my attention today.

Unfortunately, too many of these individual mine owners neglect matters which are important to them and troublesome to others; particularly when paper work is involved.

The information enclosed furnishes the answers requested by Mr. Houk and were supplied by Mr. Lewis Hurst. I have talked with local miners and believe this property warrants an examination and trust you can reconsider it.

I have been only semi-active in this area during the past few months but with the announcement of the mica program have returned full time. Having several mining properties of my own, I will soon be in production and will work with all miners to encourage their full cooperation with all regulations.

I am sold on the fact that this district is rich in hygrade ruby mica. It can, and should, become an important part of the full stockpiling program. For these reasons I have injected myself into the full picture and make recommendations for others when I believe them to be correct. My understanding of procedures has become greatly improved by reason of many conversations with the Field Team and with Mr. Houk. Acting as a sort of clearing house, I know my activities can prove beneficial to all concerned; a fact which has been established through the fine cooperation by all members of your administration.

Sincerely yours,

Frank Siersma

Frank Siersma

FTS:em

(4)

COPY

FRANK SIERSMA
Mine and Mineral Consultant
P.O. Box 336
FRANKLIN, NORTH CAROLINA

May 3, 1952

Mr. C. O. Mittendorf
Acting Administrator
DMEA, Washington, D. C.

re: A. T. Hurst Mine
Docket No. DMEA-2221

Dear Mr. Mittendorf:

Mr. Odell Hurst received a letter from Mr. Lawrence Houk, dated February 25, requesting additional data connected with his application. Yesterday he received yours dated April 28, denying same. Both were brought to my attention today.

Unfortunately, too many of these individual mine owners neglect matters which are important to them and troublesome to others; particularly when paper work is involved.

The information enclosed furnishes the answers requested by Mr. Houk and were supplied by Mr. Lewis Hurst. I have talked with local miners and believe this property warrants an examination and trust you can reconsider it.

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I am sold on the fact that this district is rich in hygrade ruby mica. It can, and should, become an important part of the full stockpiling program. For these reasons I have injected myself into the full picture and make recommendations for others when I believe them to be correct. My understanding of procedures has become greatly improved by reason of many conversations with the Field Team and with Mr. Houk. Acting as a sort of clearing house, I know my activities can prove beneficial to all concerned; a fact which has been established through the fine cooperation by all members of your administration.

Sincerely yours,

FRANK SIERSMA (Signed)

COPY

C O P Y

5/3/52 ODELL HURST FRANKLIN, N.C. A.T. HURST MINE DMEA-2221 - MICA

REPLY TO LETTER (2/25/52) - LAWRENCE G. HOUK, CHIEF, NON-METALLIC MINERALS DIVISION, D.M.E.A.

PRESENT TUNNEL (UNUSABLE) EXTENDS INTO MINE 45 FEET: (8' x 10').

OPEN CUT IS 10 FEET WIDE AND 50 FEET LONG, LEADING TO TUNNEL.

PEGMATITE IS EXPOSED OVER 6 FEET WIDE BEGINNING 10 FEET WITHIN TUNNEL.

THIS MINE WAS WORKED DURING WORLD WAR II BY HERMAN PLEMMONS WHO SOLD ENTIRE PRODUCTION TO COLONIAL MICA CORPORATION.

THE MICA PRODUCTS CORPORATION OF FRANKLIN WORKED THIS MINE IN 1949 AND 1950 FOR SCRAP TO SERVE THEIR PROCESSING PLANT. DURING THAT TIME THEY SOLD APPROXIMATELY $2000.00 OF SHEET MICA ON WHICH ROYALTIES WERE RECEIVED BY OWNER (APPLICANT). OPERATION CEASED AT THAT TIME BECAUSE INSUFFICIENT SCRAP WAS ENCOUNTERED.

THE PEGMATITE CONSISTS OF FELDSPAR, FLINT AND ENTIRELY RUBY MICA.

BOOKS UP TO 4" x 6" WERE RECOVERED. THERE ARE SEVERAL OUTCROPPINGS ON THIS LAND AND IT LIES WITHIN THE MAIN MICA BELT OF FRANKLIN: CLOSE TO SEVERAL PRODUCING MINES, THE SHEPPARD KNOB, BEASLEYS, REID-MARY, ETC.

PRESENT TUNNEL APPEARS TO BE FOLLOWING THE VEIN, WITH RICHEST PORTION AT BOTTOM OF TUNNEL. APPLICANT'S FAMILY HAVE OWNED THIS LAND FOR MANY YEARS AND HAVE WATCHED PAST WORKINGS BY OTHERS. THEY DESIRE NOW TO OPERATE FOR THEMSELVES. LEWIS HURST, BROTHER OF APPLICANT, RESIDES ON ADJOINING LAND, IS EXPERIENCED AND WILL BE IN CHARGE.

BECAUSE OF THE MANNER OF PAST WORKINGS AND THE SALE OF ALL SUITABLE BLOCKS, NO REPRESENTATIVE SAMPLES ARE AVAILABLE. HOWEVER, EXAMINATION WILL ESTABLISH THE ABOVE FACTS. IN ORDER TO PROVE THEM, LEWIS HURST REQUESTS THAT APPROVAL TO APPLICATION BE MADE ON THE BASIS OF TWO STAGES:

STAGE I	DOZER RENTAL, 3 DAYS, TO CLEAN OUT OLD WORKINGS AND REMOVE EXISTING DUMPS	$240.00

THEN, SUBJECT TO FURTHER EXAMINATION OF FIELD TEAM,

STAGE II	POSSIBLE ADDITIONAL DOZING, 2 DAYS	160.00
	RENTAL, SUMP PUMP - 1 MONTH	60.00
	" COMPRESSOR - 1 MONTH	175.00
	MISC. HAND TOOLS	65.00
	SUPPLIES, EXPLOSIVES, GAS, OIL ETC.	200.00
	MISC. EXPENSES, PAYROLL TAXES, INSURANCE ETC.	75.00
	WORKING FOREMAN, 25 DAYS @ $12.00 PER DAY	300.00
	2 LABORERS, 25 DAYS @ $8.00 PER DAY EACH	400.00
	TOTAL COST OF PROJECT - $1,675.00	

THE ABOVE EXPLORATORY WORK WILL ESTABLISH THAT LARGE RESERVES OF HYGRADE STRATEGIC RUBY MICA, SUITABLE FOR PURCHASING BY THE GOVERNMENT UNDER ITS PRESENT STOCKPILING PROGRAM, EXIST IN THIS PROPERTY AND CAN BE RECOVERED.

5/3/52 ODELL HURST FRANKLIN, N.C. A. T. HURST MINE DMEA-2221-MICA

REPLY TO LETTER (2/25/52) - LAWRENCE G. HOUK, CHIEF, NON-METALLIC MINERALS DIVISION, D.M.E.A.

PRESENT TUNNEL (UNUSABLE) EXTENDS INTO MINE 45 FEET; (8' x 10').

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PEGMATITIE IS EXPOSED OVER 6 FEET WIDE BEGINNING 10 FEET WITHIN TUNNEL.

THIS MINE WAS WORKED DURING WORLD WAR II BY HERMAN PLEMMONS WHO SOLD ENTIRE PRODUCTION TO COLONIAL MICA CORPORATION.

THE MICA PRODUCTS CORPORATION OF FRANKLIN WORKED THIS MINE IN 1949 AND 1950 FOR SCRAP TO SERVE THEIR PROCESSING PIANT. DURING THAT TIME THEY SOLD APPROXIMATELY $2000.00 OF SHEET MICA ON WHICH ROYALTIES WERE RECEIVED BY OWNER (APPLICANT). OPERATION CEASED AT THAT TIME BECAUSE INSUFFICIENT SCRAP WAS ENCOUNTERED.

THE PEGMATITE CONSISTS OF FELDSPAR, FLINT AND ENTIRELY RUBY MICA.

BOOKS UP TO 4" x 6" WERE RECOVERED. THERE ARE SEVERAL OUTCROPPINGS ON THIS LAND AND IT LIES WITHIN THE MAIN MICA BELT OF FRANKLIN; CLOSE TO SEVERAL PRODUCING MINES, THE SHEPPARD KNOB, BEASLEYS, REID-MARY, ETC.

PRESENT TUNNEL APPEARS TO BE FOLLOWING THE VEIN, WITH RICHEST PORTION AT BOTTOM OF TUNNEL. APPLICANT'S FAMILY HAVE OWNED THIS LAND FOR MANY YEARS AND HAVE WATCHED PAST WORKINGS BY OTHERS. TEHY DESIRE NOW TO OPERATE FOR THEMSELVES. LEWIS HURST, BROTHER OF APPLICANT, RESIDES ON ADJOINING LAND, IS EXPERIENCED AND WILL BE IN CHARGE.

BECAUSE OF THE MANNER OF PAST WORKINGS AND THE SALE OF ALL SUITABLE BLOCKS, NO REPRESENTATIVE SAMPLES ARE AVAILABLE. HOWEVER, EXAMINATION WILL ESTABLISH THE ABOVE FACTS. IN ORDER TO PROVE THEM, LEWIS HURST REQUESTS THAT APPROVAL TO APPLICATION BE MADE ON THE BASIS OF TWO STAGES:

STAGE 1	DOZER RENTAL, 3 DAYS, TO CLEAN OUT OLD WORKINGS AND REMOVE EXISTING DUMPS	$ 240.00

THEN, SUBJECT TO FURTHER EXAMINATION OF FIELD TEAM,

STAGE II	POSSIBLE ADDITIONAL DOZING, 2 DAYS	160.00
	RENTAL, SUMP PUMP - 1 MONTH	60.00
	" COMPRESSOR - 1 MONTH	175.00
	MISC. HAND TOOLS	65.00
	SUPPLIES, EXPLOSIVES, GAS, OIL ETC.	200.00
	MISC. EXPENSES, PAYROLL TAXES, INSURANCE ETC.	75.00
	WORKING FOREMAN, 25 DAYS @ $12.00 PER DAY	300.00
	2 LABORERS, 25 DAYS @ $8.00 PER DAY EACH	400.00

TOTAL COST OF PROJECT - $1,675.00

THE ABOVE EXPLORATORY WORK WILL ESTABLISH THAT LARGE RESERVES OF HYGRADE STRATEGIC RUBY MICA, SUITABLE FOR PURCHASING BY THE GOVERNMENT UNDER ITS PRESENT STOCKPILING PROGRAM, EXIST IN THIS PROPERTY AND CAN BE RECOVERED.

- - - - -

(3)

FILE COPY
SURNAME:

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

600

APR 28 1952

SFeitler
Houk
Lemmon
Hedges
Johnson

Mr. Odell Hurst
Franklin
North Carolina

Subject: Docket No. DMEA-2221 - Mica
A. T. Hurst Mine
Macon County, North Carolina

Dear Mr. Hurst:

Your application for exploration assistance on the subject mine has been reviewed by the Staff of the Defense Minerals Exploration Administration.

The information available indicates that the pegmatite offers little promise of a significant discovery of mica of strategic grade. Under such conditions, the Government is unable to participate in the proposed program and your application must be denied.

Your willingness to cooperate in the defense effort is appreciated.

Sincerely yours,

C. O. Mittendorf

S.N. 4-28-52

Acting Administrator
Defense Minerals Exploration
Administration

SAFeitler:mp 4/25/52
cc: Docket File
Adm. Reading File
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Norton, G-232, GSA Bldg.
Mr. Houk

SAF

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

April 18, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-2221, A. T. Hurst Mine, Franklin, Macon County, North Carolina, (Mica).

I concur in the field team's recommendation to deny subject application on the basis of poor quality and apparent small size of the deposit.

W. F. Dietrich

W. F. Dietrich

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
APR 21 1952

IN REPLY REFER TO:

G-MD-JJN

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

April 2, 1952

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2221 (Mica).
To: Non-Metallic Minerals Division, DMEA.
From: J. J. Norton, U. S. Geological Survey.
Applicant: Odell Hurst
Name of property: A. T. Hurst
Location of property: 10.5 miles NE of Franklin, North Carolina.
Field team's recommendation: Denial

ACTION SUGGESTED:
Follow field team's recommendation.

J. J. Norton

J. J. Norton

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration

APR 3 - 1952

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

Mr. Feitle

Room 13, Post Office Building
Knoxville 02, Tennessee

March 25, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee

From: DMEA Field Team, Region VII

Subject: DMEA-2221, A. T. Hurst Mine, Field Examination.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 2 6 1952

Transmitted herewith are 4 copies of field examination report on the subject DMEA docket.

The Field Team concurs in the rejection of this application.

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

4/2 - 2 copies received in Mpls. [illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMEA-2221, A. T. HURST MINE
Franklin, Macon County, North Carolina
(mica)

MAR 27 1952

By

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

March 12, 1952

Reviewed by
DMEA OPERATING COMMITTEE
3-31-52
(JHB) (date)

Report of Field Examination on

DMEA-2221, A. T. Hurst Mine
(mica)

GCS
3/31/53

This mine is located along the south side of Mica City Creek, one-half mile east of Liberty Church, about 4.5 miles northeast of West Mills and 10.5 miles northeast of Franklin, Macon County, N. C.

This deposit was mined for scrap mica by the Mica Products Corp., a year or two ago. It was mined by an open cut which exposed the pegmatite for 30 feet along the strike and a drift 30 feet long from the cut. The pegmatite is exposed along the dip for 30 feet. Soil and creep from the hill slope, 6 feet thick, cover the pegmatite. Below this surface mantle the pegmatite and enclosing garnet biotite gneiss are only slightly weathered.

The pegmatite varies in thickness from 6 to 10 feet. It trends N. 35° W. dipping 70° SW. There appears to be a thinning and thickening along both the strike and dip. No concentrations of mica are apparent in the openings. Books of mica up to 6 inches occur with random distribution throughout the pegmatite, but not abundantly.

Mica from the deposit is bent and badly cracked. Green and ruby mica occur; both varities frequently contain small black spots (biotite ?). Much of it splits poorly, "Lock spots" are common in much of the mica.

It is recommended that this loan be refused because of the grade of mica and the considerable doubt that sufficient mica occurs to warrent a commercial operation.

March 12, 1952.

K. H. Teague, Geologist.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMEA-2221, A. T. HURST MINE
Franklin, Macon County, North Carolina
(mica)

MAR 3 1 1952

By

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

March 12, 1952

Reviewed by
DMEA OPERATING COMMITTEE
3-31-52
(HB) (date)

Report of Field Examination on

DMEA-2221, A. T. Hurst Mine
(mica)

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It is recommended that this loan be refused because of the grade of mica and the considerable doubt that sufficient mica occurs to warrent a commercial operation.

March 12, 1952.

K. H. Teague, Geologist.

FILE COPY
SURNAME:

SAFeitler

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

FEB 25 1952

Mr. Odell Hurst

Franklin, North Carolina

Subject: Docket No. DMEA-2221 - Mica
A. T. Hurst Mine
Mica City Creek Road
Macon County, North Carolina

Dear Mr. Hurst:

Your above application does not contain enough information to allow a proper analysis of your proposed exploration program.

Please supply detailed answers to the questions in Form MF-103. It is particularly important that you describe in detail the work done last year - with a sketch. Also submit answers to the following:

How much pegmatite is exposed? Length? Width?

Is mica showing in the pegmatite?

What color is the mica?

What is the size of the mica books?

Is mica showing in the soil? Color? Size?

Kindly send a representative sample of the mica from the A. T. Hurst Mine to Mr. George A. Purcell, Federal Supply Service, General Services Administration, Harborside Warehouse, Jersey City, New Jersey.

When you submit answers to the above questions, the review of your application can be completed.

Thank you for your interest in the defense effort.

Sincerely yours,

cc 2/25

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

SAFeitler:gad 2/25/52
Copy to: Admin. Reading File
Mr. Dietrich, 3526
Mr. Houk
Docket File
Field Team, Reg. VII
Mr. Norton, G-228, GSA Bldg.

Copy of MF-103 and MF-100 with attachments enclosed with copy of this letter sent to Field Team, Region VII.

Geological Survey

February 14, 1952

Memorandum

To: Non-Metallic Minerals Division, Defense Minerals Exploration Administration

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

Subject: Odell Hurst's application (MEA-2221) for aid in exploring the A. T. Hurst prospect for pegmatite minerals. (mica)

Location of prospect: On Mica City Creek Road, 10½ miles N.W. of Franklin, Macon Co., 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 provided to show that the prospect merits a field examination.

2. A large (1:600) 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 some (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 samples(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: The vague generalities under question 2 give no information that can be used in evaluating the application.

Copy to: Branch Reading File, 4212
MMEA
Marion, C-250, GS Bldg.

Donald H. Kupfer

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

February 13, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-2221: Mica: Odell Hurst

It is recommended that subject applicant be asked for further information, with special reference to the size and quality of the mica, a more detailed plan of the proposed exploration, and other relevant questions not answered adequately in the application.

W. F. Dietrich

W. F. DIETRICH

Mr. Odell Hurst
Franklin, North Carolina

Subject: DMA-2221
Re: Exploration Loan
A. T. Hurst Mine

My dear Mr. Hurst:

This will acknowledge receipt of your application dated November 11, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMA-2221 and referred to the Nonmetallics Branch.

Kindly refer to DMA-2221 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
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

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

Not To Be Filled in by Applicant

Docket No. dma 2221
Metal or Mineral
Date Received 11-12-51
Amount $
Participation (Government %)

ODELL HURST
FRANKLIN, N. C.

A. T. HURST MINE

Name and address of applicant

Date 11/9/51

If you have already filed MF-100, give date filed attached, type of assistance requested ,

DMA Docket Number (if available)

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

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

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area. Both areas are the same.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract. attached

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

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 12 1951

16—64067-2

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project. SEE ATTACHED LISTING

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

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition. NONE

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item. SEE ATTACHED

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each. SEE LISTING

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above. ATTACHED

10. (*a*) How much are you prepared to invest in the proposed project? 10%

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)? yes

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

CERTIFICATION

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

ODELL HURST
(Name of company)

By Odell Hurst
(Signature of authorized official)

11/9/51
(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—64067-2

MF-103 ODELL HURST FRANKLIN, N.C. A. T. HURST MINE 11/9/51

1. Copy of lease is attached.

2. This property lies within the mica belt of the Franklin district. Some little work was done last year, resulting in excellent assurances that commercial quantities of strategic mica could be recovered. Financial condition of owner, and low selling price, did not permit extensive exploration.

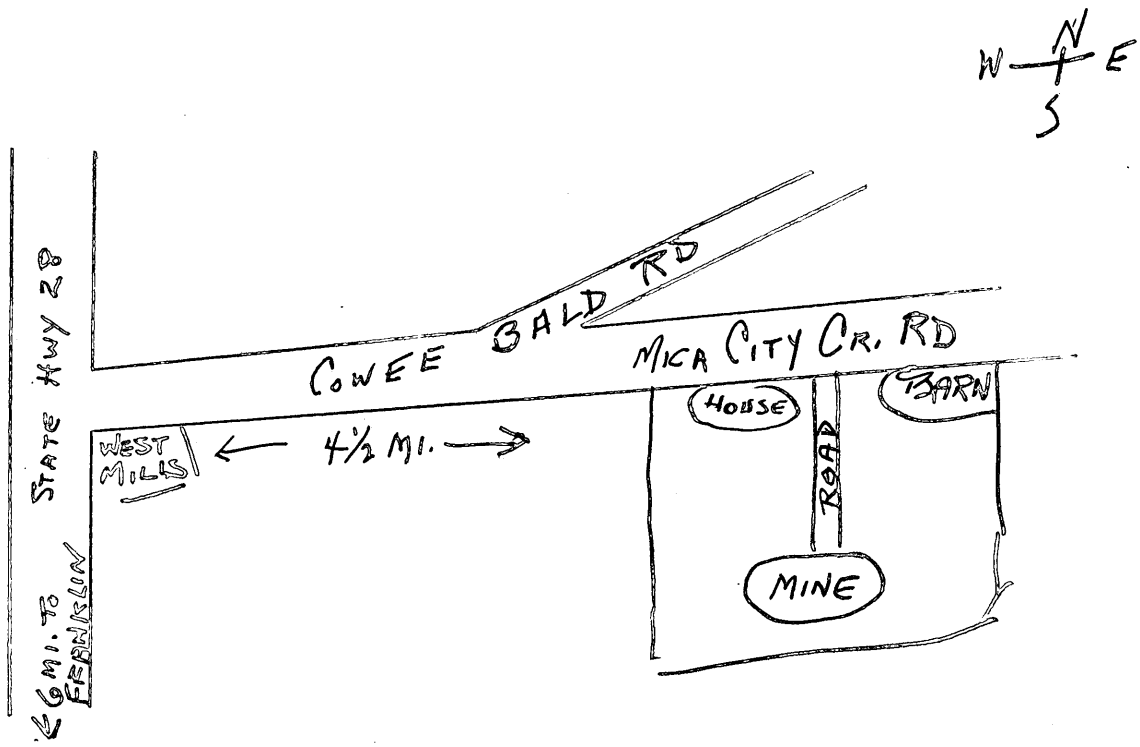
3. It is proposed to bulldoze the surface of the particular spot for a distance of 150 feet, 30 feet wide and 15 feet deep. This will expose the pegmmatite and allow for sinking of 3 or 4test pits onto the vein. Exploration will be completed in 25 working days.

4. See map attached.

COST OF PROJECT:

RENTAL -	bulldozer (trenching) 50 hours @ $10.00 per hour	$ 500.00
"	sump pump, 15 days @ $5.00 per day	75.00
"	Air Compressor & Jackhammer, 25 days @ $250.00 month	315.00
LABOR -	Superintendent-Engineer, 20 days @ $20.00 per day	400.00
	Working Foreman, 25 days @ $15.00 per day	375.00
	2 Laborers, 25 days each @ $10.00 per day each	500.00
Miscellanepus hand tools		125.00
Powder, Exploders, Gas & Oil, etc., 25 days @ $12.00 per day		300.00
Misc. expenses, payroll taxes, office, sampling, etc.		95.00
	TOTAL COST OF PROJECT	$ 2,685.00

- - - - - -



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 CAROLINA, described in a certain Exploration Project Contract dated , 195 , between ODELL HURST the Lessee of said property, and the United States of America;

NOW THEREFORE, the undersigned, as Lessor of said property under lease dated NOV. 8, 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 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 9th day of November 1951

PEARL HURST JILES, et al

By Odell Hurst

Odell Hurst, Attorney in Fact
(In accordance with lease)

NORTH CAROLINA
MACON COUNTY

THIS LEASE AGREEMENT, made and entered into this 8th day of November, 1951, by and between PEARL HURST JILES and husband BEN JILES of Franklin, North Carolina, ODELL HURST and wife MONTA HURST of Franklin, North Carolina, DOVER HURST and wife CARRIE HURST of Newport News, Virginia, TROY HURST, single, of Newport News, Virginia, PAUL HURST and wife OLLIE MAE HURST of Pontiac, Michigan, LEWIS HURST, single, of Pontiac, Michigan, ARTHUR HURST and wife GLORIA HURST of Pontiac, Michigan, MARYBELL HURST CHILDERS and husband CLYDE CHILDERS, of Pontiac, Michigan, KATE HURST BANKS and husband NATHANIEL BANKS of Pontiac, Michigan, parties of the first part, being all the heirs of A. T. HURST, DECEASED, and ODELL HURST of Franklin, North Carolina, 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 parties of the first part have let and leased unto the said party of the second part, his heirs and assigns, the exclusive right 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, and being more particularly described as follows:

BEING the lands described in Deed from John C. Hurst to A. T. Hurst, et al, dated October 5, 1939 and recorded in the office of the Register of Deeds for Macon County, North Carolina in Book P-5, page 178.

THE TERMS AND CONDITIONS OF THIS LEASE ARE AS FOLLOWS:

1. Unless sooner terminated as provided herein, this lease shall exist and continue for a term of ten (10) 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.

2. As rental or royalty, the party of the second part, his heirs or assigns, shall pay to the parties of the first part a sum equal to Twelve and One Half percent (12½%) of all sheet or block mica, One Dollar and Fifty Cents ($1.50) 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. All royalties shall be paid on the 20th day of each calendar month following the production, sale and receipt of the sale price thereof; and one ninth (1/9) of said royalties shall be paid at such times to Pearl and Ben Jiles, 1/9th to Odell and Monta Hurst, 1/9th to Dover and Carrie Hurst, 1/9th to Troy Hurst, 1/9th to Paul and Ollie Mae Hurst, 1/9th to Lewis Hurst, 1/9th to Arthur and Gloria Hurst, 1/9th to Marybell and Clyde Childers and 1/9th to Kate and Nathaniel Banks.

4. 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 parties of the first part.

5. In the event the party of the second part should apply for a government loan to explore or operate this property, the parties of the first part hereby authorize the party of the second part to execute any required agreements, as their Attorney in Fact, in their name and stead.

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

The right to use the surface of said lands, construct and place buildings and machinery thereon and remove same, cut and use any standing timber for necessary mining purposes, use any water on said lands, construct and maintain roads, in such locations as the party of the second part may

deem advisable, together with complete complete right of ingress, egress and regress to and from all portions of said property, and generally to use said lands, as may be reasonable necessary or convenient in conducting mining operations thereon.

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

_____ (SEAL)
Pearl Hurst Jiles

_____ (SEAL)
Ben Jiles

_____ (SEAL)
Odell Hurst

_____ (SEAL)
Monta Hurst

_____ (SEAL)
Dover Hurst

_____ (SEAL)
Carrie Hurst

_____ (SEAL)
Troy Hurst

_____ (SEAL)
Paul Hurst

_____ (SEAL)
Ollie Mae Hurst

_____ (SEAL)
Lewis Hurst

_____ (SEAL)
Arthur Hurst

_____ (SEAL)
Gloria Hurst

_____ (SEAL)
Marybell Hurst Childers

_____ (SEAL)
Clyde Childers

_____ (SEAL)
Kate Hurst Banks

_____ (SEAL)
Nathaniel Hurst

_____ (SEAL)
Odell Hurst

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 2 2 2 1

Date received 11-12-51

A. T. HURST MINE

ODELL HURST
FRANKLIN, N. C.

Name and address of applicant

Date 11/9/51

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:
   (*a*) What are the chief mine, mill, or smelter products? STRATEGIC MICA
   (*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. 10 miles S.E. of Franklin, N.C.
   (*b*) Mining district. Cowee Township
   (*c*) Township, Section, Range. Franklin, N.C.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☒ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

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

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		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: THIS IS AN EXPLORATORY PROJECT. PRODUCTION WILL START UPON COMPLETION.

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.

ODELL HURST
(Name of company)

By Odell Hurst
(Signature of authorized official)

11/9/51
(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
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

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

Not To Be Filled in by Applicant

Docket No. dma 2221
Metal or Mineral
Date Received 11-12-51
Amount $
Participation (Government %)

ODELL HURST
FRANKLIN, N. C.

A. G. HURST MINE

Name and address of applicant

Date 11/9/51

If you have already filed MF-100, give date filed attached, type of assistance requested ,

DMA Docket Number (if available)

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

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

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area. Both areas are the same.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

   attached

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

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

Defense Minerals Administration
RECEIVED
NOV 12 1951

16—64067-2

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project. SEE ATTACHED LISTING

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

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition. NONE

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item. SEE ATTACHED

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each. SEE LISTING

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above. ATTACHED

10. (*a*) How much are you prepared to invest in the proposed project? 10%

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)? yes

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

CERTIFICATION

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

ODELL BURST
(Name of company)

By Odell Burst
(Signature of authorized official)

11/9/51
(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—64067-2

LM-103 COLL HUNT FRANKLIN, N.C. A. T. HUNT MINE 11/9/51

1. Copy of lease is attached.

2. This property lies within the mica belt of the Franklin district. Some little work was done last year, resulting in excellent assurances that commercial quantities of strategic mica could be recovered. Financial condition of owner, and low selling price, did not permit extensive exploration.

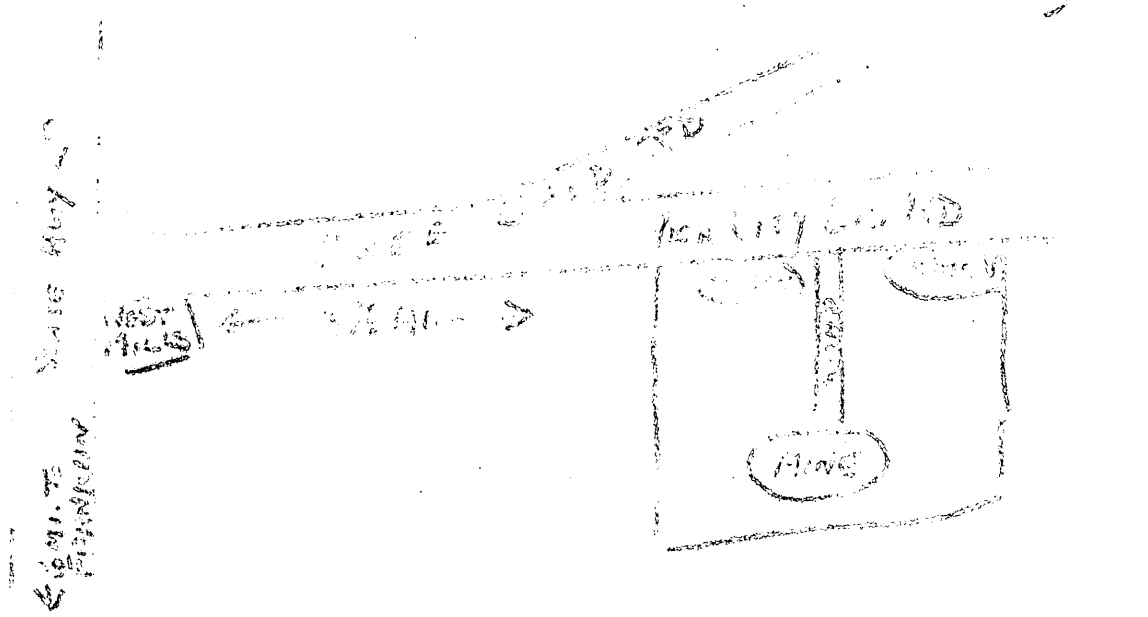
3. It is proposed to bulldoze the surface of the particular spot for a distance of 150 feet, 30 feet wide and 15 feet deep. This will expose the pegmatite and allow for sinking of 3 or 4 test pits onto the vein. Exploration will be completed in 25 working days.

4. See map attached.

COST OF PROJECT:

RENTAL -	bulldozer (trenching) 50 hours @ $10.00 per hour	$ 500.00
"	sump pump, 15 days @ $5.00 per day	75.00
"	Air Compressor & Jackhammer, 25 days @ $250.00 month	315.00
LABOR -	Superintendent-Engineer, 20 days @ $20.00 per day	400.00
	Working Foreman, 25 days @ $15.00 per day	375.00
	2 laborers, 25 days each @ $10.00 per day each	500.00
Miscellaneous hand tools		125.00
Powder, Explosers, Gas & Oil, etc., 25 days @ $12.00 per day		300.00
Misc. expenses, payroll taxes, office, sampling, etc.		95.00
TOTAL COST OF PROJECT		$ 2,685.00

- - - - - -



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 , State of ; described in a certain Exploration Project Contract dated ,195 , between the Lessee of said property, and the United States of America;

NOV. 8, 1951

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated , 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 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.

PEARL HURST JILES, et al

By Odell Hurst

Odell Hurst, Attorney in Fact
(In accordance with lease)

Dated this 9th day of November, 1951

_____

NORTH CAROLINA
MACON COUNTY

THIS LEASE AGREEMENT, made and entered into this 8th day of November, 1951, by and between PEARL HURST JILES and husband BEN JILES of Franklin, North Carolina, ODELL HURST and wife MONTA HURST of Franklin, North Carolina, DOWER HURST and wife CARRIE HURST of Newport News, Virginia, TROY HURST, single, of Newport News, Virginia, PAUL HURST and wife OLLIE MAE HURST of Pontiac, Michigan, LEWIS HURST, single, of Pontiac, Michigan, ARTHUR HURST and wife GLORIA HURST of Pontiac, Michigan, MARYBELL HURST CHILDERS and husband CLYDE CHILDERS, of Pontiac, Michigan, KATE HURST BANKS and husband NATHANIEL BANKS of Pontiac, Michigan, parties of the first part, being all the heirs of A. T. HURST, DECEASED, and ODELL HURST of Franklin, North Carolina, 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 parties of the first part have let and leased unto the said party of the second part, his heirs and assigns, the exclusive right 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, and being more particularly described as follows:

BEING the lands described in Deed from John C. Hurst to A. T. Hurst, et al, dated October 5, 1939 and recorded in the office of the Register of Deeds for Macon County, North Carolina in Book P-5, page 178.

THE TERMS AND CONDITIONS OF THIS LEASE ARE AS FOLLOWS:

1. Unless sooner terminated as provided herein, this lease shall exist and continue for a term of ten (10) 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.

2. As rental or royalty, the party of the second part, his heirs or assigns, shall pay to the parties of the first part a sum equal to Twelve and One Half percent (12½%) of all sheet or block mica, One Dollar and Fifty Cents ($1.50) 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. All royalties shall be paid on the 20th day of each calendar month following the production, sale and receipt of the sale price thereof; and one ninth (1/9) of said royalties shall be paid at such times to Pearl and Ben Jiles, 1/9th to Odell and Monta Hurst, 1/9th to Dower and Carrie Hurst, 1/9th to Troy Hurst, 1/9th to Paul and Ollie Mae Hurst, 1/9th to Lewis Hurst, 1/9th to Arthur and Gloria Hurst, 1/9th to Marybell and Clyde Childers and 1/9th to Kate and Nathaniel Banks.

4. 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 parties of the first part.

5. In the event the party of the second part should apply for a government lease to explore or operate this property, the parties of the first part hereby authorize the party of the second part to execute any required agreements, as their Attorney in Fact, in their name and stead.

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

The right to use the surface of said lands, construct and place buildings and machinery thereon and remove same, cut and use any standing timber for necessary mining purposes, use any water on said lands, construct and maintain roads, in such locations as the party of the second part may

dams advisable, together with complete complete right of ingress, egress and regress to and from all portions of said property, and generally to use said lands, as may be reasonable necessary or convenient in conducting mining operations thereon.

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

_____(SEAL)
Pearl Hurst Jiles

_____(SEAL)
Ben Jiles

_____(SEAL)
Cecil Hurst

_____(SEAL)
Lucia Hurst

_____(SEAL)
Lover Hurst

_____(SEAL)
Carrie Hurst

_____(SEAL)
Troy Hurst

_____(SEAL)
Paul Hurst

_____(SEAL)
Ollie Mae Hurst

_____(SEAL)
Lewis Hurst

_____(SEAL)
Arthur Hurst

_____(SEAL)
Gloria Hurst

_____(SEAL)
Dorothell Hurst Childers

_____(SEAL)
Clyde Childers

_____(SEAL)
Lilas Hurst Banks

_____(SEAL)
Nathaniel Hurst

_____(SEAL)
Odell Hurst

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 2 2 2 1

Date received 11-12-51

A. S. [illegible]

[illegible]
[illegible], N.C.

Name and address of applicant

Date 11/9/51

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

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1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? [illegible]
   (*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. 10½ miles N.E. of Franklin, N.C.
   (*b*) Mining district. Franklin
   (*c*) Township, Section, Range. Cowee Township
   (*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:
   - [x] 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: THIS IS AN EXPLORATORY MATTER. PRODUCTION WILL START UPON COMPLETION

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 a 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.

none

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

GOLD HILL

(Name of company)

By O-dell Hunt

(Signature of authorized official)

11/9/51

(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