DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm-E NO._____ DMEA NO. 4783

Application
- [x] Denied
- [ ] ~~Withdrawn~~

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [ ] Contract with all exhibits and annexes
- [x] Owner's Consent to Lien and Subordination Agreement
- [x] Application and attachments

Right Side

- [ ] Project summary (final)
- [ ] Work Comoleted analysis (final)

All other material filed in chronological order including the following reports if checked:

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [x] On-site Exam Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No._____: Reports
- [ ] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Field Team Interim Reports
- [ ] Operator's Monthly Reports with transmittal, narrative and maps.

Folders No._____: Maps (Use pocket folder or envelope)

Folders No._____: Settlement Sheets

Folders No._____: Drill Logs

Folders No._____: Royalty material

17963

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

D.M.E.A. JUL 10 1957 RECEIVED

CONSENT TO LIEN and SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Mitchell, State of North Carolina, described ~~as follows:~~ In a Lease, dated July 2nd, 1957 and duly recorded in the official records of Mitchell County, N.C. in Book # 19, Page # 412, of said official records.

_____,

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

3. Subordinates the undersigned's right, title, claim, or interest in or against the land and in any production therefrom to the rights of the Government under the contract with respect to royalty on production and liens to secure same;

4. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none." Do not leave lines blank.)

None

1/ Mining or production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in Book _____, Page _____, official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: None (State "None" or "See Annex No.____")

Dated this 2nd day of July, 1957

x Istalena Baker [Seal] Sanford, North Carolina [Address]
(Single)

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

I, _____ certify that I am the _____ (Secretary, etc.) of the corporation named herein; that _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____
[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

RECEIVED JUL 10 1957 D.M.E.A.

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

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2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

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6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: None (State "None" or "See Annex No.____")

Dated this 2nd day of July, 1957.

x Estalena Baker [Seal] Bakersville, North Carolina [Address]
(Single)

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

I, _____ certify that I am the _____ (Secretary, etc.) of the corporation named herein; that _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____
[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

RECEIVED JUL 10 1957 D.M.E.A.

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and
SUBORDINATION AGREEMENT 1/

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6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: None (State "None" or "See Annex No.____")

Dated this 2nd day of July, 1957.

✓ x _____ [Seal] Bakersville, North Carolina [Address]

(Single)

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

I, _____ certify that I am the _____ (Secretary, etc.) of the corporation named herein; that _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

RECEIVED JUL 19 1957 DMEA

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of ~~Xxxxxxx~~ Mitchell, State of North Carolina, described ~~xxxxxxxxxxx~~ In a Lease, dated July 2nd, 1957, and duly recorded in the official records of ~~Xxxxxx~~ Mitchell County, N.C. in Book # 19, Page # 412, of said official records.

_____,

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

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6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: None (State "None" or "See Annex No.____")

Dated this 2nd day of July, 1957

✓ x Estalena Baker (Single) [Seal] Bakersville, North Carolina [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

I, _____ certify that I am the _____ (Secretary, etc.) of the corporation named herein; that _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

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6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: None (State "None" or "See Annex No.____")

Dated this 2nd day of July, 1957.

x Estalina Baker [Seal] Bakersville, North Carolina [Address]
(Single)

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

I, _____ certify that I am the _____ (Secretary, etc.) of the corporation named herein; that _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____
[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator_____
Docket No. DMEA-_____
Contract No. Idm-E_____
Contract Date_____

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Mitchell, State of North Carolina, described ~~xxxxxxxxx~~ In a Lease, dated July 2nd, 1957, and duly recorded in the official records of Mitchell County, N.C. in Book # 19, Page # 412, of said official records.

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6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: None (State "None" or "See Annex No.____")

Dated this 2nd day of July, 1957.

x Estelina Bakes (Single)	[Seal]	Bakersville, North Carolina	[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

I, _____ certify that I am the _____ (Secretary, etc.) of the corporation named herein; that _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

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[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

RECEIVED JUL 10 1957 D.M.E.A.

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Mitchell, State of North Carolina, described ~~as follows:~~ 2/ In a certain lease dated July 2nd, 1957 and duly recorded in the official records of Mitchell County, North Carolina in Book # 19 Page # 413

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6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: NONE (State "None" or "See Annex No.____")

Dated this 2nd day of July, 1957.

Horace Baker	[Seal]	Lakeresville, N.C.	[Address]
Bertie Baker	[Seal]	Lakeresville, N.C.	[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

I, _____ certify that I am the _____ (Secretary, etc.) of the corporation named herein; that _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

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[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

RECEIVED JUL 10 1957 D.M.E.A.

CONSENT TO LIEN
and
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7. Added provision: NONE (State "None" or "See Annex No.____")

Dated this 2nd day of July, 1957.

Horace Baker	[Seal]	Bakersville, N.C.	[Address]
Bestie Baker	[Seal]	Bakersville, N.C.	[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

RECEIVED JUL 10 1957 D.M.E.A.

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Mitchell State of North Carolina, described ~~XXXXXXXXXX~~ In a certain lease dated July 2nd, 1957 and duly recorded in the official records of Mitchell County, North Carolina in Book # 19 Page # 413

_____,
which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

3. Subordinates the undersigned's right, title, claim, or interest in or against the land and in any production therefrom to the rights of the Government under the contract with respect to royalty on production and liens to secure same;

4. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none." Do not leave lines blank.)

NONE

1/ Mining or production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in Book _____, Page _____, official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: NONE (State "None" or "See Annex No.____")

Dated this 2nd day of July, 1957.

Horace Baker	[Seal]	Bakersville, N.C.	[Address]
Bertie Baker	[Seal]	Bakersville, N.C.	[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
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[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator
Docket No. DMEA-
Contract No. Idm-E
Contract Date

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and
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[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator_____
Docket No. DMEA-_____
Contract No. Idm-E_____
Contract Date_____

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

RECEIVED JUL 10 1957 D.M.E.A.

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Bertie Baker [Seal] Bakersville, N.C. [Address]

[Seal] [Address]

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MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator_____
Docket No. DMEA-_____
Contract No. Idm-E_____
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_____

[Corporate Seal]

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

WASHINGTON 25, D.C.

July 8, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 10 1957

DATE	[illegible]	CODE

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville, Tennessee

Subject: Application from Fred Gage, Bakersville, N.C.
Horace Baker Mine, Mitchell County, N.C. (mica)

Enclosed are three copies of the subject application, accompanied by one copy of each lease, and six signed copies of MF-205 for each of the two tracts.

We are keeping the fourth copy of the application.

Robert A. Laurence

Robert A. Laurence
Executive Officer, DMEA
Region V

V. J. Lynch

V. J. Lynch, Member
DMEA Field Team

zm

OFFICIAL FILE COPY
D M E A
RECEIVED JUL 10 1957

DATE	INITIALS	CODE

July 8, 1957

Mr. Fred Gage
Route # 3
Bakersville, N. C.

Dear Mr. Gage:

Your application for aid in exploration for strategic mica at the Horace Baker Mine in Mitchell County, North Carolina has been forwarded to our Washington office in accordance with established procedure.

You will be notified in advance if a field examination is to be made.

Very truly yours,

Robert A. Laurence
Executive Officer, DMEA
Region V

RAL/
ZM

cc:
Opr. Com.-3
Lynch
Files

OFFICIAL FILE COPY
D M E A
RECEIVED JUL 10 1957
DATE | INITIALS | CODE

LEGAL DESCRIPTION OF THE
HORACE BAKER (11) ACRE
TRACT OF LAND IN MITCHELL
COUNTY, NORTH CAROLINA.

-- See--
Deed Book # 84, Page # 349

Begining on a Chestnut tree, the begining corner of the T.P. Baker old home tract, and runs N-20-W, 1000 (60 poles) feet to a Chestnut; thence N-27-E, 16 poles to a stake in Public Road; thence up and with the road S-50½-E, 198' 429' 26 poles to a stake in the road; thence S-13-E, 12 poles to a Black Walnut; thence N-47-E, 25½ poles to a Black Gum; thence S-60-E, (14 poles and (10) feet to a stake in the Branch; thence down the Branch 15½ poles to a stake; Estalena Baker's corner; thence S-36-W, 900 feet to the BEGINING CORNER. Containing (11) acres mor or less.

241' 54½ poles

LEGAL DESCRIPTION OF THE
ESTALENA BAKER (36.8) A
TRACT OF LAND IN MITCHELL
COUNTY, NORTH CAROLINA.

--See--
Deed Book# 83, Page # 463

Begining on a Chestnut, the begining corner of the T.P. Baker old home place, and runs N-36-E, 900 feet to a stake; thence N-35-E, 100 feet to a stake; thence N-62-E, 155 feet to a stake; thence N-54-E, 279 feet to an Iron Wood; thence N-6 degrees & 30 Miniutes West, 235 feet to a Locust; thence N-27-E, 815 feet to a Chesnut; thence East 363 feet to a Sasafrass; thence S-9-W, 395 feet to a Spanish Oak; thence S-24-W, 964 feet to a thorn and Pine; thence South 30 degrees & 30 miniutes W, 1733 feet to a Spanish Oak; thence S-48-W, 350 feet to a Chestnut; thence N-40-W, 177 feet to a Maple; thence N-19-W, 524 feet to a stake; thence N-34-E, 525 feet to a Hickory; thence East 66 feet to the BEGINING CORNER. Containing (36.8) acres more or less.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED JUL 10 1957 D.M.E.A.

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

Not to be filled in by applicant

Docket No. 4783
Metal or Mineral MICA
Date Received 7/10/57
Estimated Cost 6,546.00
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Fred Gage, (Individual)
Rt. 3.
Bakersville, North Carolina.

RECEIVED JUL 8 - 1957

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

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

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

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

See attached sheets for description of (2) tracts

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Lessee of two tracts of land in Bakersville Township, Mitchell County, N.C. as follows:
1st tract: The Horace Baker (11) acre tract- See Deed Book # 84, Page 349
2nd tract: The Estalena Baker (36.8) acre tract-see Book # 83, Page 463
Mitchell County, N.C. records.

(*b*) State any mine name by which the property is known. Horace Baker Mica Mine

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

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property. Copy of (2) leases attached

(*e*) If you own the land, describe any liens or encumbrances on it None

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. None

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

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

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

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

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

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

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

(*c*) The work will start within 30 days and be completed within 4 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated July 5th, 195 7

Fred Gage, (Individual)
(Applicant)

By Fred Gage

Rt. 3.

Bakersville, North Carolina.

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

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

OFFICIAL FILE COPY
D M E A
RECEIVED JUL 10 1957
DATE | INITIALS | CODE

SHEET # 1.

Re: GAGE, Fred (Individual)
Rt.1.
Bakersville, North Carolina.

SUPPLEMENT SHEET NO.1.
-re-
FORM MF-103, (Revised)

Sect. 4-(a) PHYSICAL DESCRIPTION OF PROSPECT.

The mica prospect hereinafter referred to as "The Horace Baker Mica Mine", is located on the North side of a ridge known as the "White Oak Ridge", the site of proposed operation being about halfway up the side of said ridge. The present operation consists of an open cut approximately 150 feet long by 10 feet wide by 25 feet deep at the lowest level of the cut. At the lower end of the said cut and about 150 feet to the NE, there is some old works that consist of an old tunnel about 70 feet long and an old shaft (now caved) that is said to have been about 75 feet deep. No accurate information is available as to past history of these old operations but it has been fairly well established that some of the past operations date back prior to World War 1 with some mining being done during World War 11 period and some of the mica mined being sold to the old Colonial Mica Company who was the purchasing agent for the Government at that time.

Sect. 4 (b) . PAST & CURRENT PRODUCTION DATA.

No accurate record is available as to exact amount of mica mined & sold from the old works during the past but it is known that considerable amount of crude mica was recovered from the old operations during the several periods it was operated by various miners during World War 1 and 11 and between these periods. The present operations is all the work done by means of a bulldozer used to uncover the main pegmatite body. In these excavation operations, about 100 lbs of crude mica in book form was recovered. To this date, none of this mica has been processed for sale on local market. The mica is ruby type in books up to 6" X 8" in size.

Sect. 4-(c) . GEOLOGIC DATA OF PROSPECT.

The main pegmatite body will average about 3½ feet between the footwall and hangingwall slates which are both exposed in the new open cut as described in Sect. 4-(a) above. The body strikes a course NE-SW and the pitch of the body is to the S-SE at about 35 degrees. It is composed of both Kaolinized feldspar and hard rock form feldspar. Quartz in both veinlet and core formation appear to be plentiful. Rich mica binder appear both in vein and in the new and old dumps. From the contents of both the open shaft and the dumps, it would appear that the chances of recovering good grade mica in quanity lots are good.

Sect. 4-(d) . ACESSIBILITY OF PROJECT.

The mica prospect is very conveniently located being only a few hundred yards south of the hardtopped White Oak road which intersects with N.C. State Highway # 26 just south of the Bowman High School in Bakersville, N.C. From the courthouse in Bakersville, take highway # 26 South about ¼ mile to intersection of the White Oak Road. Follow White Oak road about ½ mile to the home of Horace Baker. The prospect lys accross the road from the Baker home a few hundred yards distance south.

Re: GAGE, Fred (Individual)
Rt.3.
Bakersville, North Carolina.

SUPPLEMENT SHEET NO. 2.
-re-
FORM MF-103, (Revised)

Sect. 4-(e) MANPOWER, SUPPLIES & MATERIALS.

An ample number of thoroughly experienced mica miners are available to ensure proper operation of the proposed project and all necessary supplies and materials necessary and not already on hand are available at Spruce Pine, N.C. A power line runs near by the proposed mining site and ample water for mining purposes is nearby the proposed mining site.

Sect. 5-(a) . PROPOSED EXPLORATORY WORK.

As already setout in Sect. 4-(a) above, the present mining operations is composed of an open cut about 150 feet long, 10 feet wide by 25 feet deep at lowest point. This cut is open along the NE-SW strike of the main pegmatite body and the body is exposed along practically the entire length of the cut. It is proposed to open a 5' X 7' shaft at or near the SW end of this open cut and to drive the said shaft to a depth of some (80) feet deep. Upon reaching the 80 foot lower level of this shaft a drift would then be driven both ways with the strike of the main body for a distance of 25 feet or 25 feet NE from the center of shaft and 25 feet SW from the center of the 80 foot shaft or a total of 50 ft driftage. As all of the old works ly some 150 feet NE of the site of proposed shaft, no contact would be made with any of the old workings.

Sect. 5-(d) . MINING QUALIFICATIONS OF WORKERS.

Only fully experienced and qualified miners will be employed to carry out the proposed mica exploratory project. The supervision of this proposed operation will be handled by a miner who has had several years actual mica mining experience in a supervisory capacity. The applicant will not take any active part in the mining project.

Sect. 6. . ESTIMATE OF PROJECT COSTS BY UNITS.

Sect. 6-(a) INDEPENDENT CONTRACTS.------NONE.

Sect. 6-(b) LABOR-SUPERVISION & CONSULTANTS.

No.	Class.	Hrly Rate.	Wkly Rate.	16 Week Period based on 640 Wkg Hrs per man
(1)	Supervisor	$ 1.75	$ 70.00	$ 1120.00 " "
(1)	Drill Optr	1.50	60.00	960.00 " "
(1)	Hoist Optr	1.25	50.00	800.00 " "
(2)	Muckers @ 1.00 ea.	2.00	80.00	1280.00 " "
(5)	Man Crew----------	$ 6.50	260.00	----$ 4160.00-3200 Wkg Hrs.

Sect. 6-(c) . OPERATING MATERIALS & SUPPLIES--(Purchase Basis)

Unit.	Items.	No Units.	Unit Cost.	Estd Cost For The 16 Week Period.
Gal.	Gasoline	560	0.24	$ 134.40
Qts.	Motor Oil	150	0.20	32.00
Ea.	Lubricator	1	25.00	25.00
Lft.	1" Pipe (Air Line)	150	.16	24.00
Lbs.	Dynamite, 40%	500	.25	125.00
Ea.	6' El Exploders	400	.16	64.00
Lft.	Air Hose	50	.80	40.00
Lft.	Tung'n Drill Steel	X24	6.40	153.00 (2-6' runs)
Ea.	El. Blast'g Batty	1	25.00	25.00
Ea.	Mine Bucket	1	6.00	6.00
TOTALS				628.40

Re: GAGE, Fred (Individual)
Rt.3.
Bakersville, North Carolina.

SUPPLEMENT SHEET NO. 3.
-re-
FORM MF-103, (Revised)

Sect. 6-(d) OPERATING EQUIPMENT,--(Monthly Rental Basis)

Unit.	Items	No. Units	Mthly Rental.	Rental Costs For 16 Week Period.
Ea.	105 Air Compressor	1	$ 150.00	$ 600.00
Ea.	Jackhammer Drill	1	50.00	200.00
Ea.	1 ton Hoist'g Eng.	1	50.00	200.00
Ea.	El Water Pump 2" Dis	1	50.00	200.00
Ea.	Mining Jackleg	1	15.00	60.00
TOTALS		5	$ 315.00	$ 1260.00

Sect. 6-(f) . NEW BUILDINGS & INSTALLATIONS---(Purchase Basis)

Unit.	Items	No. Units.	Unit Costs	Total Cost For 16 Week Period.
Ea.	Tool House & Shop	1	$ 75.00	$ 75.00
Ea.	Powder Magazine	1	25.00	25.00
Ea.	Exploder Magazine	1	15.00	15.00
TOTALS		3	$115.00	$ 115.00

Sect. 6-(g) . MISCELLANEOUS EXPENSES.

Federal Payroll Expenses (Taxes) @ 2% of $ 4160.00 Payroll $ 83.20
Employers Liability Ins. (5 Man Crew, Estimated----------$ 200.00
TOTALS----------$ 283.00

Sect. 6-(h) . CONTINGENCIES.

10 Hours Bulldozer Hire (road work) @ 10.00 per hr. $ 100.00
TOTALS----------$ 100.00

Sect. 7-(b) .EXPLINATION OF APPLICANTS 25% PARTICIPATION IN PROJECT COSTS.

The applicant will meet his 25% of all project costs amounting to $ 1,636.50 in cash and labor.

RECAPITULATION OF ESTIMATED COSTS OF
-------PROJECT BY UNITS----------

Sect. 6-(b)	Labor & Supervision (16 Wk Period---	$ 4,160.00
Sect. 6-(c)	Operating Mat & Sup " " " ---	628.00
Sect. 6-(d)	Operating Equipment " " " ---	1,260.00
Sect. 6-(f)	Bldgs & Installations " " " ---	115.00
Sect. 6-(g)	Miscellaneous Exp's " " " ---	283.00
Sect. 6-(h)	Contingencies------ " " " ---	100.00
Total Estimated Costs Of Project (16 Week Period)		$ 6,546.40

TOTAL ESTIMATED COSTS OF PROJECT, (16 WEEK PERIOD) $ 6,546.40
APPLICANTS SHARE OF ABOVE COSTS @ 25%---------- 1,636.50
TOTAL AMT OF LOAN SOLICITED, 75% OF COSTS-------- 4,909.90

Respectfully submitted,

Fred Gage

Fred Gage, (Individual)
Rt.3.
Bakersville, N.C.

NORTH CAROLINA.

MITCHELL COUNTY.

Before me, R.P. Greene, Clerk of the Superior Court in and for the county and state aforesaid, this day, personally appeared Horace Baker and wife, Bertie Baker, who by subscribing of their names to the attached instrument, acknowledges the due execution of the same for the purpose therein expressed.

Let the instrument with this certificate be duly recorded.

This the 2nd day of July, 1957

R. P. Greene
Clerk Superior Court
Mitchell County, N.C.

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 10 1957

DATE	INITIALS	CODE

MINING LEASE

State of North Carolina Mitchell County:

This indenture made this 2nd day of July 1957 ~~,19~~

between Horace Baker and wife Bertie Baker

of Mitchell County and State of North Carolina as party of the first part, and known as lessor~~s~~, and Fred Gage

of Mitchell County and State of North Carolina, party of the second part and known as lessee.

WITNESSETH, That the part~~ies~~ of the first part in consideration of One Dollar in hand received and hereby acknowledged by the lessor~~s~~, and in consideration of the agreements hereinafter contained, on the part of the party of the second part to be performed, hereby bargains, leases and grants to the party of the second part, and his heirs and assigns, for the period of five years from the date of this agreement, the following described real property, for mining purposes, in the County and State first above written to wit:

Being the entire (11) acre tract of land known as the Kenton Baker tract of land located in Bakersville Township, Mitchell County, State of North Carolina, and more fully described in a Deed from Kenton Baker and wife, Maggie Baker, to Horace Baker and wife, Bertie Baker and duly recorded in Deed Book # 84, Page # 349 in the official records of Mitchell County, North Carolina.

TO HAVE AND TO HOLD the said lands to him, for mining purposes, the said lessee and his heirs and assigns for the aforesaid period of five years in compliance with the condition of this instrument, for the purpose and with the right to dig, quarry, search, explore for, obtain, and remove any kind of minerals, metals or fossils, and particularly mica, and to conduct the same to any extent the said party of the second part, the lessee, may desire. And it is hereby agreed between the parties to this agreement that the party of the second part is to have the use of any unoccupied buildings on said lands for mining purposes, and that he shall have the right to erect such buildings as he needs to carry on such mining operatins during the period of this lease, and that the party of the second part shall keep the same in as good condition as when received, unavoidable accidents excepted. And it is also agreed by the party of the second part that no unnecessary damage is to be done to the lands herein leased during the period of this lease and the continuance of said lease, but the said party of the second part shall have the right to take from said lands leased to the party of the second part any wood or timber the party of the second part may need to carry on said mining operations or which may be needed to carry on the addition to existing buildings or to erect new buildings or sheds on said lands. (Timber of high or special market value is excepted and shall not be used by the lessee.) And it is hereby agreed that the party of the second part, the lessee, is to have right-of-way of ingress and egress to said mines or land upon which exploration is being conducted.

AND IT IS FURTHER AGREED That the party of the second part, the lessee hereby agrees to pay to the said part~~s~~ of the first part, or his or their heirs or assigns, a rental royalty of (1/8th) ONE EIGHTH on all mica mined and sold off the above described tract of land on the minerals taken and sold from said mines which shall be for the use of the said lands for the aforesaid period of five years. The said amounts shall be payable on the computation of selling bills on the tenth day of each month covering sales made during the previous month. Any minerals other than those set forth above which may be taken and sold shall be paid for and at the usual royalty rate of the minerals taken.

AND IT IS FURTHER AGREED That the lessee, the party of the second part, his heirs or assigns, shall have the option to renew this lease and to extend the period of its running for an additional five years from the date of its present termination. The option shall be exercised by giving formal written notice to the party of the first part or by the continuation of any mining operations then being conducted. The lessor~~s~~ reserve the right to use the land, or convey the same not conflicting with this lease, but under any conveyance the terms of this lease must be recognized by the grantee, purchaser, or assigns thereof. And it is agreed that the lessee may assign this mining lease or any part thereof and that he may sublease.

AND IT IS FURTHER AGREED That the lessee, the party of the second part, his heirs or assigns, is hereby given an option to purchase all the right, title and interest, legal and equitable to and in the real estate described and set forth in this lease for a total purchase price of NONE, said purchase price to be paid in full within three years from the date of this instrument and it is agreed that all rental royalties paid to the party of the first part shall apply toward and be a part of the total purchase price above set forth, and that at such time that the total purchase price is paid in the form of royalties or a lump sum payment or a combination of both, the party of the first part will execute a special warranty deed to the party of the second part and that a tender of the remaining purchase price at any time within the next three years shall entitle the party of the second part to specific performance of this option contract.

BUT IT IS EXPRESSLY AGREED That unless mineral or fossil material of practical value for mining purposes shall be found within a period of two years from the date of this instrument, the lease may be terminated by the lessee at any time thereafter on thirty days notice to the lessor~~s~~. The lessee agrees that during the period of this lease or the continuance of this lease work in said mines or exploration for new mines within the area leased shall not cease longer than ninety days at any one time, unavoidable accidents excepted.

WITNESS our hands and seals the day and year first above written.

Witness:

J. H. DeBroat

Horace Baker (Seal)

Bertie Baker (Seal)

Fred Gage (Seal)

(Seal)

(OVER)

Filed for Registration on the 3 day of July 1957 at 3:05 o'clock P. M., and Registered in the office of the Register of Deeds for Mitchell County, N. C. this 3 day of July 1957 at ..... o'clock ..... M., in Book 19 of Deeds, on Page 413 etc.

Bill Masten

Register of Deeds

NORTH CAROLINA .

MITCHELL COUNTY.

Before me, R.P. Greene, Clerk of the Superior Court in and for the county and state aforesaid, this day, personally appeared Estalena Baker, (Single) who by subscribing her name to the attached instrument, acknowledges the due execution of the same for the purpose therein expressed.

Let the instrument with this certificate be duly recorded.

This the 2nd day of July, 1957

R. P. Greene
Clerk Superior Court
Mitchell County, N.C.

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 10 1957

DATE	INITIALS	CODE

MINING LEASE

State of North Carolina Mitchell County:

This indenture made this 2nd day of July 1957, 1953,

between Estelena Baker (Single)

of Mitchell County and State of North Carolina as party of the first part, and known as lessor, and Fred Gage

of Mitchell County and State of North Carolina, party of the second part and known as lessee.

WITNESSETH, That the part Y of the first part in consideration of One Dollar in hand received and hereby acknowledged by the lessor, and in consideration of the agreements hereinafter contained, on the part of the party of the second part to be performed, hereby bargains, leases and grants to the party of the second part, and his heirs and assigns, for the period of five years from the date of this agreement, the following described real property, for mining purposes, in the County and State first above written to wit:

Being a certain tract or parcel of land in Bakersville Township, Mitchell County, North Carolina, containing (36.8) acres more or less and known as the Estalena Baker Home Tract of land and more fully described in a certain deed recorded in Deed Book # 83, on Page # 463, in the official records of Mitchell County, North Carolina.

TO HAVE AND TO HOLD the said lands to him, for mining purposes, the said lessee and his heirs and assigns for the aforesaid period of five years in compliance with the condition of this instrument, for the purpose and with the right to dig, quarry, search, explore for, obtain, and remove any kind of minerals, metals or fossils, and particularly mica, and to conduct the same to any extent the said party of the second part, the lessee, may desire. And it is hereby agreed between the parties to this agreement that the party of the second part is to have the use of any unoccupied buildings on said lands for mining purposes, and that he shall have the right to erect such buildings as he needs to carry on such mining operatins during the period of this lease, and that the party of the second part shall keep the same in as good condition as when received, unavoidable accidents excepted. And it is also agreed by the party of the second part that no unnecessary damage is to be done to the lands herein leased during the period of this lease and the continuance of said lease, but the said party of the second part shall have the right to take from said lands leased to the party of the second part any wood or timber the party of the second part may need to carry on said mining operations or which may be needed to carry on the addition to existing buildings or to erect new buildings or sheds on said lands. (Timber of high or special market value is excepted and shall not be used by the lessee.) And it is hereby agreed that the party of the second part, the lessee, is to have right-of-way of ingress and egress to said mines or land upon which exploration is being conducted.

AND IT IS FURTHER AGREED That the party of the second part, the lessee hereby agrees to pay to the said part of the first part, or his or their heirs or assigns, a rental royalty of (1/8th) ONE EIGHTH on all mica mined and sold off the above described tract of land on the minerals taken and sold from said mines which shall be for the use of the said lands for the aforesaid period of five years. The said amounts shall be payable on the computation of selling bills on the tenth day of each month covering sales made during the previous month. Any minerals other than those set forth above which may be taken and sold shall be paid for and at the usual royalty rate of the minerals taken.

AND IT IS FURTHER AGREED That the lessee, the party of the second part, his heirs or assigns, shall have the option to renew this lease and to extend the period of its running for an additional five years from the date of its present termination. The option shall be exercised by giving formal written notice to the party of the first part or by the continuation of any mining operations then being conducted. The lessor reserve the right to use the land, or convey the same not conflicting with this lease, but under any conveyance the terms of this lease must be recognized by the grantee, purchaser, or assigns thereof. And it is agreed that the lessee may assign this mining lease or any part thereof and that he may sublease.

AND IT IS FURTHER AGREED That the lessee, the party of the second part, his heirs or assigns, is hereby given an option to purchase all the right, title and interest, legal and equitable to and in the real estate described and set forth in this lease for a total purchase price of NONE, said purchase price to be paid in full within three years from the date of this instrument and it is agreed that all rental royalties paid to the party of the first part shall apply toward and be a part of the total purchase price above set forth, and that at such time that the total purchase price is paid in the form of royalties or a lump sum payment or a combination of both, the party of the first part will execute a special warranty deed to the party of the second part and that a tender of the remaining purchase price at any time within the next three years shall entitle the party of the second part to specific performance of this option contract.

BUT IT IS EXPRESSLY AGREED That unless mineral or fossil material of practical value for mining purposes shall be found within a period of two years from the date of this instrument, the lease may be terminated by the lessee at any time thereafter on thirty days notice to the lessor. The lessee agrees that during the period of this lease or the continuance of this lease work in said mines or exploration for new mines within the area leased shall not cease longer than ninety days at any one time, unavoidable accidents excepted.

WITNESS our hands and seals the day and year first above written.

Witness:

J. H. Da Brook

Estalena Baker (Seal)

Fred Gage (Seal)

(Seal)

(Seal)

(OVER)

Filed for Registration on the 3 day of July 1957 at 3:00 o'clock P. M., and Registered in the office of the Register of Deeds for Mitchell County N. C. this 3 day of July 1957 at ____ o'clock ____ M., in Book 19 of Deeds, on Page 412 etc.

Bue Masters
Register of Deeds

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8/27	Anderson	600
8/27	Houk	600
8/28	Gilbridge	130
8/28	Yoest	130
8/28	Kiilsgaard	130
"	Ohman	110
"	Mittendorf	100
8/29	O	220
		225

600

AUG 28 1957

Mr. Fred Gage
Route 3
Bakersville, North Carolina

Re: Docket No. DMEA-4783-Mica
Fred Gage
Horace Baker Mica Mine
Mitchell County, North Carolina

Dear Mr. Gage:

Your application for aid for an exploration project and other reports available to us in Washington relating to the subject property 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 indicates to us that the probability of disclosing significant reserves of mica is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

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

Sincerely yours,

G. O. Mittendorf (fw)

Administrator

WCAnderson:gad 8/27/57
Copy to: Admr. R. File
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8/27	Anderson	600
8/27	Houk	600
		100
		220

600

August 27, 1957

Memorandum

To: Mr. C. O. Mittendorf, Administrator

From: Lawrence G. Houk, Director, Division of Nonmetallic Minerals

Subject: Evaluation of application and field examination report.
Docket No. DMEA-4783-Mica
Fred Gage
Horace Baker Mine
Mitchell County, North Carolina

Denial of application is recommended.

Mica: Most is of poor quality, part of strategic quality, mineral stained, cracked and badly bent, green in color.

Pegmatite: Two concordant, parallel pegmatites about 35 feet apart.

1. Southern pegmatite: 45 feet thick, consisting of perthite, plagioclase, quartz, muscovite, and biotite. Contains no mica of strategic quality.
2. Northern pegmatite: - the object of this application. Pinches and swells both along strike and dip. Maximum thickness 6 feet, average about 1½ feet. Consists of plagioclase, quartz, perthite, muscovite, and biotite in order of abundance. Country rock - footwall side is mica schist and hanging wall side is fine grained, granitic mica gneiss. Pegmatite and wall rock are semi-weathered. Part of mica is of strategic value, but in general the books are small and thin. Some mica is reeved, flat "A", with small inclusions of biotite.

Workings:

1. 170 foot adit driven about 40 years ago.
2. Filled in shaft - 60 feet deep - sunk during World War II.
3. Side hill cut 8 feet deep, done about 2 years ago.
4. Recently a trench was cut about 66 feet long, 14 feet wide, and 25 feet deep. 40 pounds of mine-run mica obtained from this work, but no sales were made.

Production: No record of production available.

Method of Exploring: Applicant proposed to sink an 80 foot shaft and drive 50 feet of drifts for which he requested $6,546.40.

Comments: This property was the subject for a previous application (DMEA-4040), which was denied because of scarcity and poor quality of mica.

8623

Recommendations:

The Field Team recommends denial of the application, because the pegmatite pinches and swells and is locally discontinuous, is too thin ($1\frac{1}{2}$ feet), and most of the mica is of poor quality. The Division of Nonmetallic Minerals and the Commodity Members of the Bureau of Mines and Geological Survey concur.

Walter C. Anderson

Walter C. Anderson
Division of Nonmetallic Minerals

WCAnderson:rsi 8/27/57
Copy to: Admr. R. File
Mr. Houk

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

OFFICIAL FILE COPY
DMEA
IN REPLY REFER TO:
RECEIVED AUG 27 1957

DATE	INITIALS	CODE
8/27	C	220
		600

Memorandum

August 26, 1957

To: L. G. Houk, Defense Minerals Exploration Administration

From: W. P. Williams, U. S. Geological Survey

Subject: Review of field examination report, DMEA 4783 (mica), Fred Gage, Horace Baker mine, Mitchell County, North Carolina.

The examining team report that conditions on the applicant's property are not good for the presence of important amounts of strategic-grade mica.

The examiners point out specifically that the mica-bearing pegmatite averages only $1\frac{1}{2}$ feet thick; that the pegmatite pinches and swells and is locally discontinuous; and that most of the exposed mica is of poor, non-strategic quality.

The examining team recommend denial of the application on the grounds that a significant discovery would not result from the proposed work. I concur with the findings and recommendations of the examining team.

W. P. Williams

W. P. Williams

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DMEA
RECEIVED AUG 21 1957

DATE	INITIALS	CODE
8/21	C	230
8/21	Hook	600

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

August 20, 1957

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Donald R. Irving, Acting Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4783 (mica)

Applicant: Fred Gage

Name and Location of Property: Horace Baker Mine, Mitchell County, N. C.

Date of Field Team Report: 8/13/57

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 8/19/57

Field Team Recommendation: Recommend that exploration assistance be denied.

Comments:

1. A previous application (DMEA-4040) on this mine was denied.

2. Application was denied because of poor economic target and poor quality of mica.

3. Subsequent work by applicant consisting of a trench 66 feet long, 14 feet wide, and 25 feet deep at up-hill end exposed additional pegmatite; but only 40 pounds of "mine-run" mica was obtained.

Recommendation:

I concur with the recommendation of the field team that the application be denied.

Donald R. Irving

Donald R. Irving

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 15 1957

DATE	INITIALS	CODE
8/15	Q	220
		130
8/20	C	220
8/20	Hook	600

August 13, 1957

Memorandum

To: Operating Committee, DMEA, Washington, D. C.

From: Field Team, DMEA, Region V, Knoxville, Tennessee

Subject: Field Examination Report - Fred Gage, Bakersville, N.C.
DMEA-4783, Horace Baker Mine (mica)
Mitchell County, North Carolina

Enclosed are the original and two copies of the subject examination report.

It is recommended that the application for exploration assistance be denied.

Robert A. Laurence
Robert A. Laurence
Executive Officer

V. J. Lynch
V. J. Lynch
Member, Bureau of Mines

Enclosures 3

On-Site Exam Rpt

Reviewed by
DMEA OPERATING COMMITTEE
8-19-57
(date)

UNITED STATES

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXAMINATION REPORT, FIELD TEAM

REGION V

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 15 1957

DATE	INITIALS	CODE
		130 ~~28~~
		220

DMEA-4783, HORACE BAKER MINE (mica)
Mitchell County, N. C.

By

L. E. Shirley and S. A. Feitler, Mining Engineers
U. S. Bureau of Mines

and

D. H. Amos, Geologist
U. S. Geological Survey

Reviewed by
DMEA OPERATING COMMITTEE
8-19-57
(date)

August 7, 1957

OFFICIAL FILE COPY
D M E A
RECEIVED
DATE
CODE

EXAMINATION REPORT

DMEA-4783, HORACE BAKER MINE (mica)

Applicant: Fred Gage, Route 3, Bakersville, North Carolina

SUMMARY

Exploration assistance at the Horace Baker Mine was previously denied in a former DMEA application. Subsequent work by the Applicant has exposed additional pegmatite. The average width of the body is only about 1½ feet. It pinches and swells along both strike and dip and is locally discontinuous. Most of the mica is of poor quality. It is recommended that the application for exploration assistance be denied.

INTRODUCTION

Location

The Horace Baker Mine is 1.6 airline miles S. 43° E. of Bakersville, Mitchell County, North Carolina (Micaville Quad., TVA, 1/24,000). The hard surfaced White Oak Creek road is about 500 feet north of the mine. No access road is present to the former workings.

Examination

The examination of the mine was conducted on August 7, 1957. Messrs. Fred Gage, John Saylor, Phillip Gage and Cecil Phillips all of Route 3, Bakersville, North Carolina accompanied the examiners on the inspection which required about two hours.

Past Operations

Old workings consist of an adit, filled shaft, trench and side-hill cut (see attached map). No surface facilities exist on the property.

The oldest work is a 170-foot adit which was driven along the strike of a pegmatite in a S. 80° W. direction from the northeast end of the

property. This adit is reported to have been made about 40 years ago. During World War II a shaft approximately 60 feet deep was sunk southwest of the head of the adit. Some mica is reported to have been sold to Colonial Mica Corporation but a check of records failed to reveal any sales; probably the mica was sold under a mine name other than the Horace Baker Mine. About two years ago a side-hill cut trending N. 20° E. - S. 20° W. averaging 8 feet deep was made to explore a pegmatite parallel to the one on which the adit and shaft were driven.

A previous application (DMEA-4040) on this mine was denied, based on the scarcity and poor quality of the mica. Since the denial, the Applicant has cut a trench along the southwest end of the northern pegmatite (see attached map). This trench is 66 feet long by 14 feet wide and is 25 feet deep at the up-hill end. It trends in a N. 80° E. - S. 80° W. direction. About 40 pounds of "mine-run" mica was obtained from this last work. No sales have been made as of the date of this report.

GEOLOGY

Two concordant, parallel pegmatites about 35 feet apart are exposed on the property. Both strike about N. 80° E. and dip approximately 70° to the southeast. The southern pegmatite, which is exposed in the side-hill cut, is 45 feet thick. It consists of perthite, plagioclase, quartz, muscovite and biotite, in order of abundance. The muscovite is mineral-stained, cracked and badly bent. None of the mica observed in this pegmatite was of strategic quality.

The northern pegmatite is the only one from which sheet mica has been obtained and is the one on which the Applicant requests exploration assistance. It pinches and swells along both strike and dip and is locally discontinuous. The maximum observed thickness was 6 feet in the southwest end of the trench but the average thickness is only about 1½ feet. The body consists of plagioclase, quartz, perthite, muscovite, and biotite in order of abundance. A medial, coarser-grained, perthite-rich zone is locally present. Inclusions of country rock are common. Transverse faults of small displacement offset the pegmatite along the strike. The mica is green in color, flat and color-zoned. Some of the mica is reeved, flat-"A" and contains small inclusions of biotite. In general, books are small and thin. Part of the mica is of strategic quality.

Country rock on the footwall side of the nothern pegmatite is mica schist. South of this pegmatite the country rock is fine-grained, granitic mica gneiss. Both pegmatite and wall rock in the adit, cut and trench are semi-weathered. Pegmatite in the shaft dump is unweathered.

RECOMMENDATIONS

It is recommended that the application for exploration assistance be denied for the following reasons: (1) the average thickness (1½ feet) is not of economic mining width, (2) the pegmatite pinches and swells along both strike and dip and is locally discontinuous, and (3) most of the mica is of poor quality.

August 7, 1957

L. E. Shirley and S. A. Feitler, Mining Engineers
U. S. Bureau of Mines

and

D. H. Amos, Geologist
U. S. Geological Survey

g

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

JUL 25 1957

Mr. Fred Gage
Route 3
Bakersville, North Carolina

Re: Docket No. DMEA-4783-Mica
Fred Gage
Horace Baker Mica Mine
Mitchell County, North Carolina

Dear Mr. Gage:

Your application for assistance in exploring the subject property has been reviewed by the Division of Nonmetallic Minerals of the Defense Minerals Exploration Administration and has been referred to Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region V, Room 13, Post Office Building, Knoxville 2, Tennessee, for further consideration and possibly a field examination.

Your application is in order in all respects except the relationship of the proposed work to the boundary lines of the two leased properties. Please furnish a tie-in of the proposed work to the nearest identifiable corner, which in this case, would be the chestnut tree at the property corner which is the beginning point in the land descriptions of the Estalena and Horace Baker tracts. The tie-in line should show the distance and the bearing.

The Regional Office will contact you at an early date if an examination is to be made. Any assistance you may give the members of the Field Team during the examination will be appreciated.

Sincerely yours,

O O Mittendorf

Administrator

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
7/22	Anderson	600
7/22	Houk	600
7/24	Martin	130
7/24	Lens	130
7/24	Kiilsgaard	130
"	Johnson	110
"	Mittendorf	100
		220

600

JUL 25 1957

Mr. Fred Gage
Route 3
Bakersville, North Carolina

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Fred Gage
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Mitchell County, North Carolina

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Sincerely yours,

C. O. Mittendorf (for)

Administrator

WCAnderson:rsi 7/22/57
Copy to: Admr. R. File
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
7/22	Anderson	600
7/22	Houk	600
7/24	Martin	130
"	Johnson	110
"	Rutherford	100
7/25	C O	220
		600

600

JUL 25 1957

Mr. Robert A. Laurence
Executive Officer, DMEA
Field Team, Region V
Room 13, Post Office Bldg.
Knoxville 2, Tennessee

Re: Docket No. DMEA-4783-Mica
Fred Gage
Horace Baker Mica Mine
Mitchell County, North Carolina

Dear Mr. Laurence:

Please review the subject application and arrange for a field examination if you deem it necessary.

Copies of memoranda dated July 11 and 17, 1957, by Mr. N. E. Nelson, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed. There is also enclosed a copy of the application for the use of the Field Team.

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee

Approved:

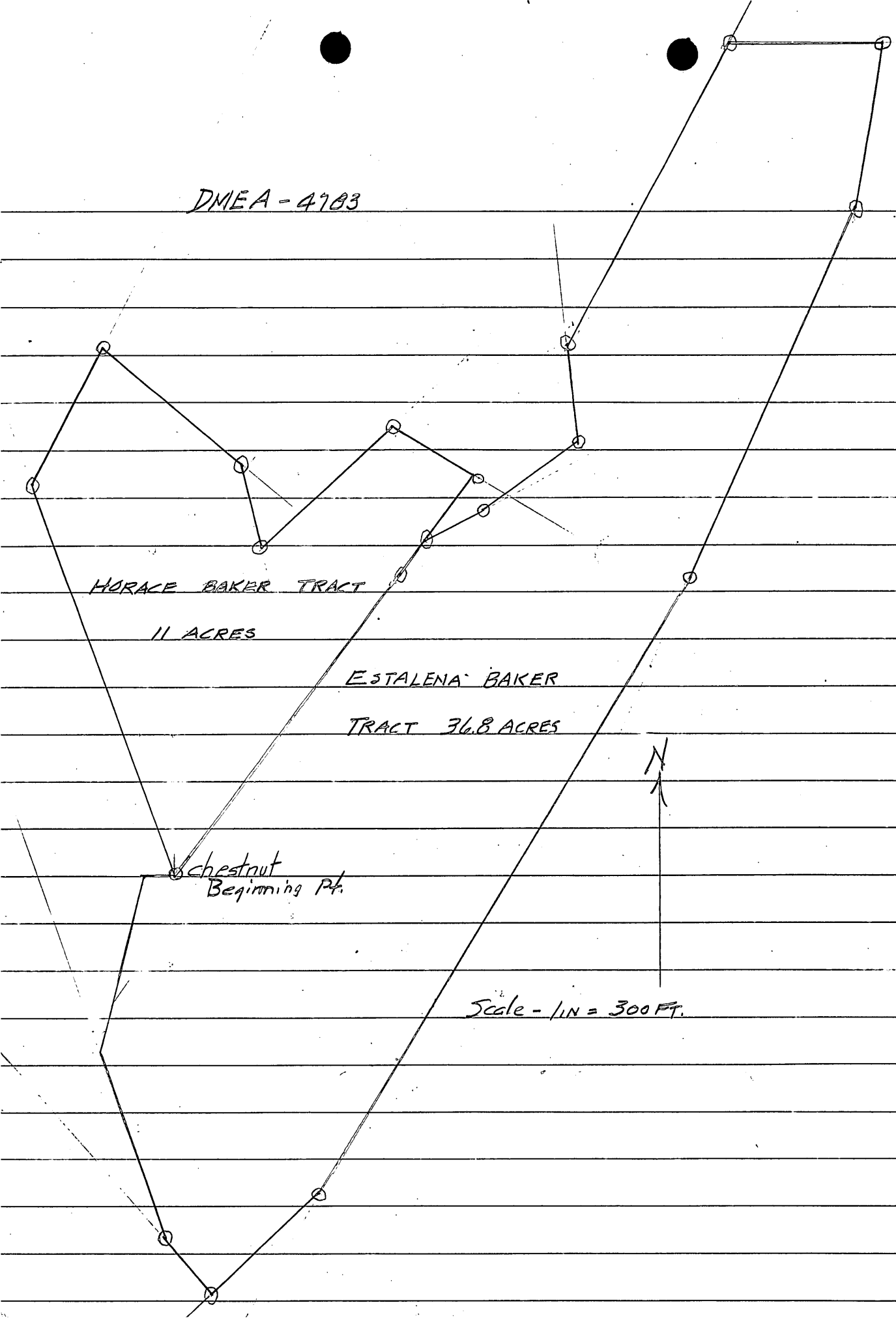
Horace T. Reno
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

WCAnderson:rsi 7/19/57
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

DMEA - 4783


HORACE BAKER TRACT
11 ACRES
ESTALENA BAKER
TRACT 36.8 ACRES
N
chestnut
Beginning Pt.
Scale - 1 IN = 300 FT.

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

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 18 1957

DATE	INITIALS	CODE
7/18	C	220
7/18	Hook	600
July 17, 1957		

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4783 (mica)

Applicant: Fred Gage

Name and Location of Property: Horace Baker Mine, Mitchell County, N. C.

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 7/10/57

Comments:

1. This is an old prospect from which mica is reported to have been sold to the Colonial Mica Corp.

2. Applicant states he has done considerable recent bulldozing exposing mica bearing pegmatite and recovering some books of ruby-mica 6 by 8 inches in size.

3. Exploration proposed by applicant is consistent with local practices and in line with unit-cost estimates for other DMEA projects.

Recommendation:

It is recommended that the field team visit this mine when in that vicinity to ascertain if an exploration project is justified. If so, the field team and applicant should agree on a definite plan of exploration on a unit-cost basis.

W. F. Dietrich

W. F. Dietrich

OFFICIAL FILE COPY
DMEA IN REPLY REFER TO:
RECEIVED Jul 1957

DATE	INITIALS	CODE
7/12	C	220
		600

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

July 11, 1957
Re: DMEA 4783
Fred Gage
Horace Baker Mine
Mitchell County, North Carolina
$6,546.00 - Mica

Memorandum

To: L. G. Houk, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of application

The applicant requests assistance in exploring a 3½-foot pegmatite, the site of old time and recent work.

The recent work, a bulldozed cut 150 x 10 x 25 feet deep, seems to have exposed the pegmatite and the applicant proposes to sink a shaft 80 feet and drift 25 feet each way at the bottom.

Some mica is supposed to have been recovered in the old work and 100 pounds of crude mica in book form was recovered while bulldozing the trench.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

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

July 10, 1957

Mr. Fred Gage
Rt. 3
Bakersville, North Carolina

Subject: DMEA 4783

Dear Mr. Gage,

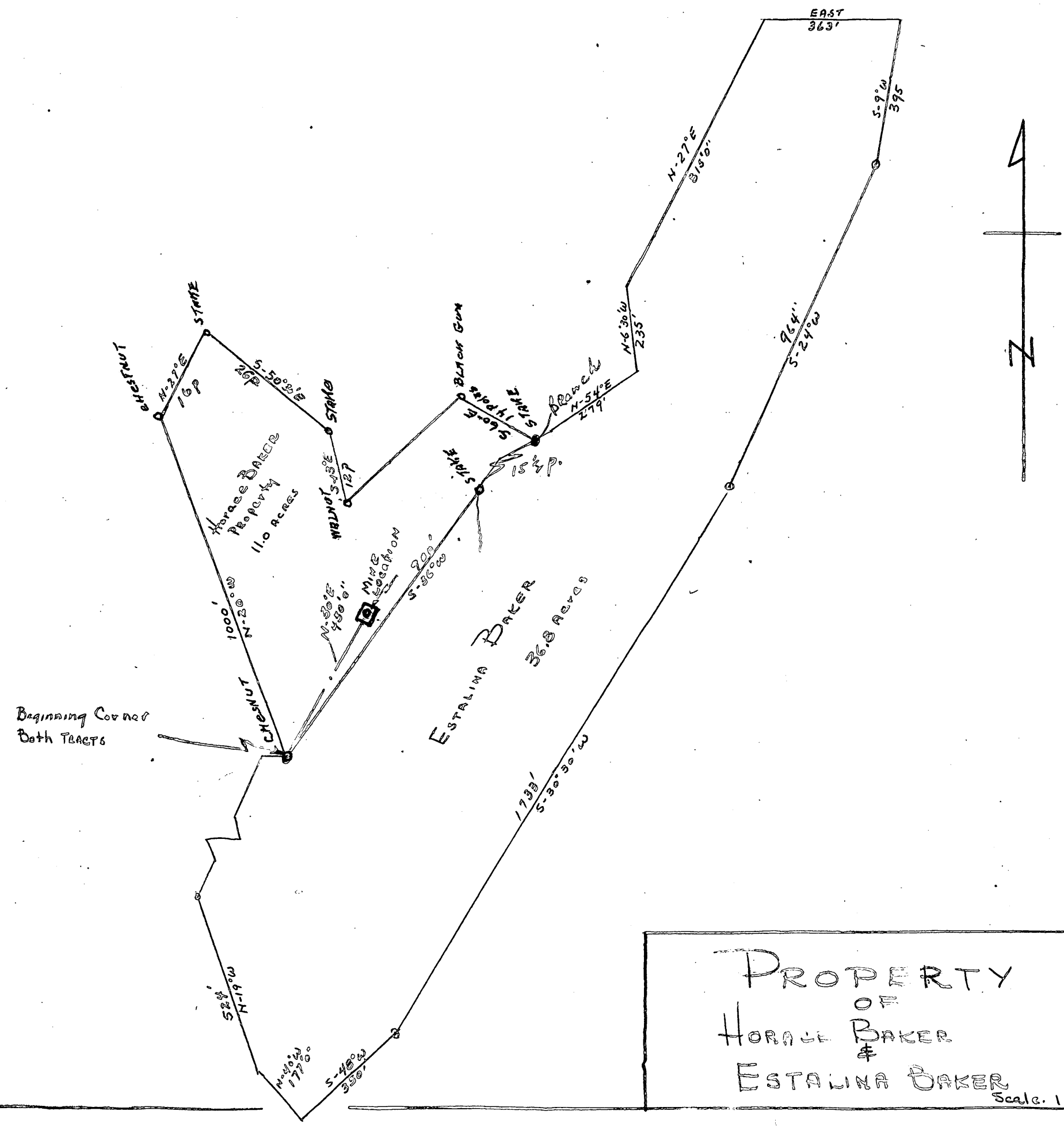
Your application for exploration assistance, dated July 5, 1957 submitted to our office at Knoxville, Tennessee has been assigned Docket Number 4783 and referred to the Nonmetallic Minerals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

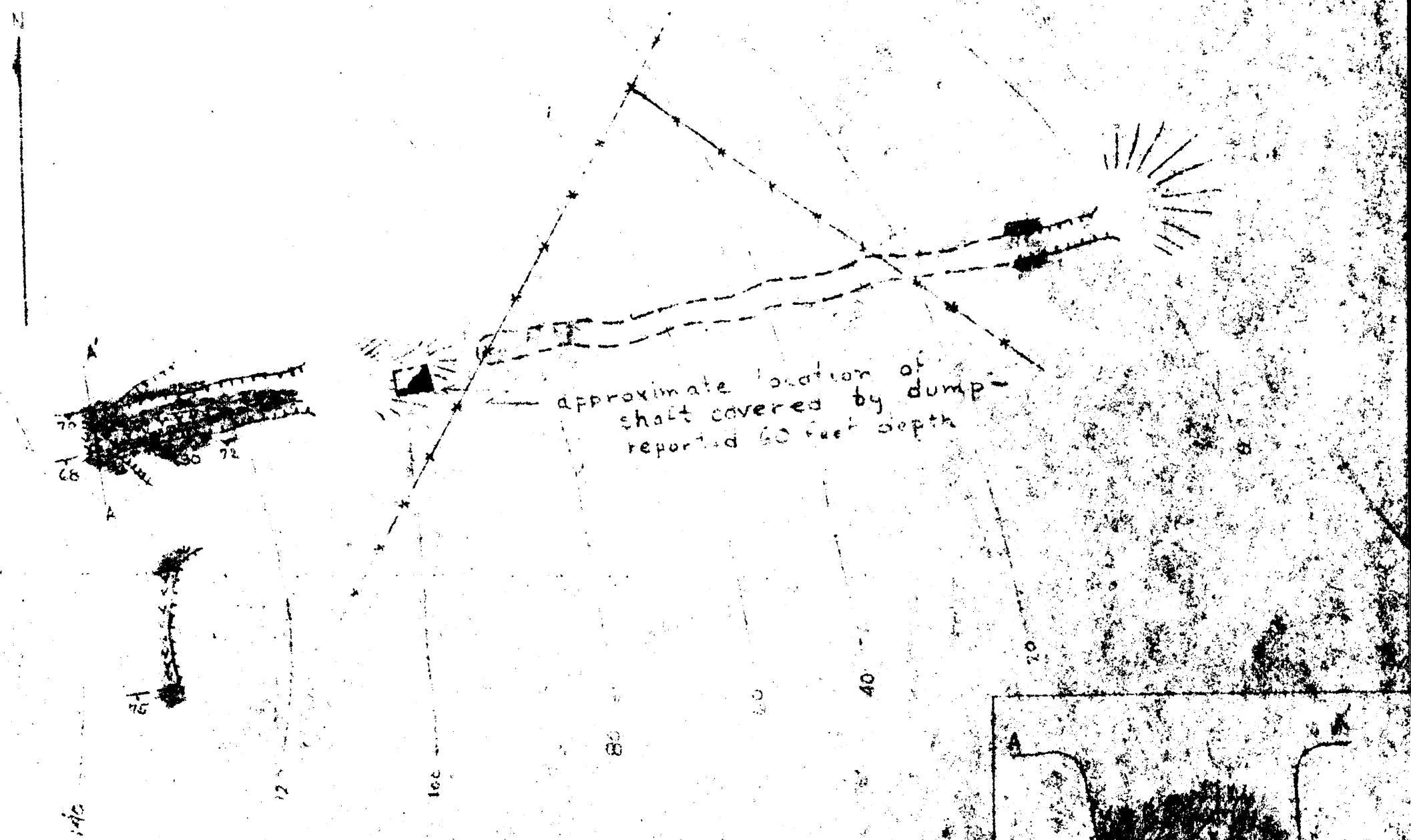
Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to:
Region V.

Re: GAGE, Fred
Rt.3.
Bakersville, Mitchell Co. N.C.
Horace Baker Mica Mine



PROPERTY
OF
HORACE BAKER
&
ESTALINA BAKER
Scale. 1:300



LEGEND

- pegmatite
- mica schist
- granitic mica gneiss
- cut
- fence
- dump
- contact
- outline of underground works
- fault with dip
- strike & dip of contact
- strike & dip of foliation

HORACE BAKER PROSPECT

MITCHELL CO., N.C.

DMEA-4783(mica)

scale 1" = 40'