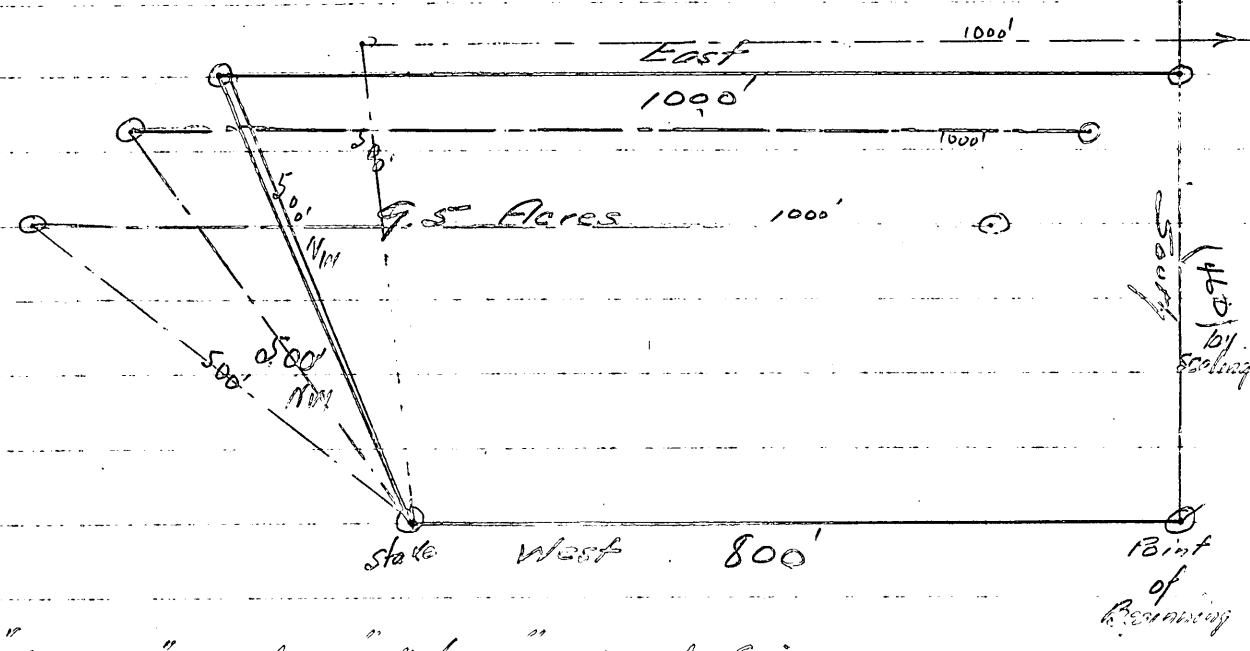
DMEA
4040

Plot of Land Description



A "bearing" and a "distance" is lacking

600

DEC 27 1955

Messrs. Horace Baker and
Howard McKinney
Route 1
Bakersville, North Carolina

Re: Docket No. DMEA-4040 - Mica
Horace Baker and Howard McKinney
Baker property
Mitchell County, North Carolina

Gentlemen:

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 is denied.

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

Sincerely yours,

C. O. Mitchell

Administrator

JHopkins:ad 12/21/55
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins

December 21, 1955

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: A denial of exploration assistance and summary report

By: James Hopkins

1. Docket No. DMEA-4040 - Mica
Property: Baker property, Mitchell County, North Carolina
Applicants: Horace Baker and Cecil Phillips
Route # 1
Bakersville, North Carolina

Application: NF-103 dated October 20, 1955
Work proposed:

Bulldozing	$300.00
Shaft sinking @ $45.00/ft. (about 80 feet)	4,150.00
Drifting 60 feet @ $30.00/ft.	1,800.00
Road construction	100.00
Toolhouse	100.00
Powder magazine	30.00
Exploder magazine	20.00
Labor	6,080.00
Supplies	37.50
Operating equipment rental	2,080.00
	$14,697.50

No contract - application denied.

2. Comments:

This mine, formerly the Old Baker Mine, has been worked intermittently for a number of years. The mica is small and of a non-strategic quality. It is also flat "A", green, stained and unstained. Three-quarter inch muscovite exists on the muck around the old shaft. No strategic mica is in place either in the shaft drifts or adit.

A series of highly weathered sodic-feldspar pegmatites with 2 - 4 inch quartz stringers exist in pods for a strike length of 250 feet. The pegmatite is extremely thin and discontinuous in many places. The width ranges from 4 inches to 2 feet. The country rock consists of a highly weathered biotite gneiss.

Old workings consist of a shaft 20 feet wide and 20 feet deep and an adit that extends for 170 feet into the hill. At a depth of 12 feet in the shaft, two partly caved drifts about 15 feet apart have been driven from the shaft 50 feet and 75 feet respectively. There is no record of production.

The field examiners on the basis of the small, non-strategic quality of mica and scarcity of mica recommend that the application be denied. The Nonmetallic Minerals Division concur in the denial. The Commodity Divisions of the Geological Survey and Bureau of Mines also concur in the denial.

James Hopkins
Nonmetallic Minerals Division

JHopkins:ad ad 12/21/45
Copy to: Admr. R. File
Mr. Houk
Mr. Hopkins

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

RECEIVED
DEC 16 1955

December 15, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4048 (mica)

Applicant: H. McKinney and H. Baker

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

Date of Field Team Report: 11/28/55

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 12/13/55

Field Team Recommendation: Recommend denial of the application.

Comments:

1. The pegmatite at this mine consists of a series of discontinuous pods, which have been worked considerably in the past.

2. The mica at this mine is small and largely of non-strategic quality.

3. Possibility for discovery of a worthwhile deposit of strategic mica is considered poor.

Recommendation: I concur with the field team's recommendation.

Signed

W. F. Dietrich

IN REPLY REFER TO:

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

RECEIVED
DEC 14 1955

December 13, 1955

Re: DMEA 4040
Howard McKinney & Horace Baker
Baker property
Mitchell Co., N. C.
$6,537.50 - Mica

Memorandum

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

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

Subject: Review of Field Team report.

The applicants requested assistance in the reopening of an old mine. The application said a large amount of mica had been produced and it was producing good mica when abandoned by the last known operators.

The examiners found numerous old workings that could be entered but found little evidence of strategic grade mica in the extremely thin and discontinuous pegmatite. They conclude that further work on the well explored pegmatite is not justified.

I concur with the recommendation of the Field Team that the application be denied.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-12/13/55

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
W. F. Dietrich, 3061

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
DEC 12 1955

December 9, 1955

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Field Examination Report, DMEA-640 (mica) Denial
Howard McKinney & Horace Baker, Baker Property, Mitchell Co., N. C.

Enclosed are four copies of the subject examination report.

We concur with the recommendation for denial.

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

Wm. A. Beck, Acting Member
Bureau of Mines

RAL/mh

cc: Lynch
Shirley
Files

Reviewed by
DMEA OPERATING COMMITTEE
12-14-1955

RECEIVED
DEC 12 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXAMINATION BY FIELD TEAM, REGION V

On

DMEA-4040, BAKER PROPERTY
Mitchell County, N. C.
(mica)

BY

Lawrence E. Shirley, Mining Engineer
U. S. Bureau of Mines

and

S.C. Bergman and A. R. Taylor, Geologists
U. S. Geological Survey

November 28, 1955

Reviewed by
DMEA OPERATING COMMITTEE

(date)

RECEIVED
DEC 12 1955

EXAMINATION REPORT

On

DMEA-4040, BAKER PROPERTY (mica)
Mitchell County, N. C.

Applicants: Howard McKinney and Horace Baker, R#1, Bakersville, N. C.

This mine has been worked intermittently for a number of years. Mica is small and of a non-strategic quality. It is recommended that the application be denied.

The mine is very accessible from White Oak road, 100 yards behind a house. It is 1.6 airline miles S 43E of Bakersville, N. C., in the Micaville, N. C. quadrangle.

About one hour was spent in the examination on Monday, November 28, 1955. Mr. Howard McKinney and Mr. Horace Baker accompanied the examiners.

This mine, formerly the Old Baker Mine, consists of old workings in a series of discontinuous, vertically elongated pods of pegmatite. An old open shaft, 20 feet wide and 20 feet in depth, exists upslope from an old adit which trends S 75W for 170 feet into the hill. In the shaft on the SW side, at a depth of 12 feet, two old partly caved drifts extend, about 15 feet apart, for 50 - 75 feet S 80W into the hillside. The mouth of the old adit is about 50 feet lower in elevation than the shaft top. The end of the adit probably extends very near to the bottom of the shaft.

Small, flat "A", green, stained and unstained, 3-4 inch wide muscovite exists on the muck around the old shaft. No strategic mica is in place either in the shaft, drifts, or adit.

A series of highly weathered, sodic-feldspar pegmatites, with 2 - 4 inch quartz stringers exist in pods for a strike length of 250 ft. The pegmatite is extremely thin and discontinuous in many places. The width ranges from 4 inches to 2 feet.

In the heading of the 170-foot long adit, the pegmatite strikes S 75 W and dips 55 SE.

Country rock consists of a highly weathered biotite gneiss.

Since exploration has been carried on for a very long distance in this old mine, it seems improbable that any new exploration would

uncover a significant deposit of strategic mica. The field examiners on the basis of the small, non-strategic quality of mica, and scarcity of mica, recommend that the application be denied.

December 6, 1955.

L. E. Shirley, Mining Engineer
U. S. Bureau of Mines

S. C. Bergman and A. R. Tayler, Geologists
U. S. Geological Survey

600

NOV 14 1955

Messrs. Horace Baker and
Howard McKinney
Route # 1
Bakersville, North Carolina

Re: Docket No. DMEA-4040 - Mica
Horace Baker and Howard McKinney
Baker property
Mitchell County, North Carolina

Gentlemen:

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

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,

J. D. Mitchell

Administrator

JHopkins:ad 11/10/55
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5222
Mr. Houk
Mr. Hopkins

600

NOV 14 1955

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

Subject: Docket No. DMEA-4040 - Mica
Horace Baker and Howard McKinney
Baker property
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 November 2 and November 4, 1955, by H. E. Nelson, USGS, and W. F. Dietrich, USBM, respectively, relating to the project are enclosed.

Please refer to your memorandum dated October 28, 1955, transmitting copies of the subject application which states that much of the required information can be obtained during a field examination. Copies of the lease and Consent to Lien submitted by the applicants are enclosed herewith and are to be returned to them. If a contract is recommended please request them to furnish copies of a lease and Consent to Lien that contain identical legal descriptions of the property by metes and bounds referenced to a permanent landmark.

If your office recommends an exploration program as submitted or revised by the applicants, please furnish the necessary information to draft a contract. In this connection we will require nine copies of a map showing the proposed work and pegmatite exposures in relation to the property lines.

Sincerely yours,

W. S. Martin

Chairman, Operating Committee

Approved:

Member, Bureau of Mines

Member, Geological Survey

Enclosures 12

JHopkins:ad 11/10/55
Copy to: Admr. R. File Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins

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

RECEIVED
NOV 4 1955

November 4, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4040 (mica)

Applicant: H. Baker, H. McKinney

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

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 11/1/55

Comments:

1. From the limited information presented, it is difficult to determine if an exploration program is justified or if the proposed plan would be the best method of exploring this property.

2. Application states mine was previous producer but does not name mine.

3. It is usggested applicant be requested to submit more detailed information regarding an exploration plan.

Recommendation:

It is recommended that the applicant be requested to supply additional data on this mine before any action is taken.

Signed
W. F. Dietrich

IN REPLY REFER TO:

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

RECEIVED
NOV - 7 1955

November 2, 1955

Re: DMEA 4040
Horace Baker & Howard McKinney
Baker Tract
Mitchell Co., N. C.
$6,537.50 - Mica

Memorandum

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

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

Subject: Review of application.

From the information furnished with this application, no inference can be drawn concerning the merit of the proposal. The cost is not well set up, but probably would be about:--

Bulldozing	$ 300.00
Shaft, 80 ft. ($51.87/ft.)	4,150.00
Drifting, 60 ft. ($30.00/ft.)	1,800.00
Road	100.00
Picks, shovels, etc.	37.50
Buildings	150.00
	$6,537.50

For a fill in of essential information a referral to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-11/2/55

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
W. F. Dietrich, 3061

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
NOV 4 1955

November 2, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region V - Knoxville

Subject: Owner's Consent to Lien - Application of Horace Baker and Howard McKinney (mica) North Carolina

Attached are five copies of MF-203 on the subject application. Copies of which were mailed your office October 28, also a copy of our letter to Mr. Baker requesting the Consent to Lien forms.

Robert A. Laurence

RAL/
cc:
Lynch
Shirley
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1025 POST OFFICE BLDG.
WASHINGTON 25, D.C.
KNOXVILLE 2, TENN.

RECEIVED
OCT 31 1955

October 28, 1955

Docket
DMEA 4040

Mr. Horace Baker
Route # 1
Bakersville, North Carolina

Dear Mr. Baker:

The application for DMEA exploration assistance submitted by you and Howard McKinney, was received today and will be forwarded to the Washington office for consideration.

Enclosed are 7 copies of Form MF-203, Owner's Consent to Lien which should have accompanied your application. Please fill out all copies, return the original and five to this office. One copy may be given to the land owner.

Very truly yours,

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V.

VJL/zm
cc:
Opr.Com.-2
Lynch
Shirley
Files