DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3987

DO NOT DETACH THIS SLIP

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

This document has been recorded as

Exploration

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.

CC: GS,BM, & Reg~~ion~~

Routing Slip

To:	600	Date	9/21/55
To:	Mr Hopkins	Date	9-21-55
To:	Oper Com	Date	9-27-55
To:	Oper. Com	Date	12-6-55
To:	F.E. Johnson	Date	12-7-55
To:	Mr. Guett	Date	12-7-55
To:	MT 7	Date	12-9-55
To:		Date	
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CONTROLLED DOCUMENT

DOCKET FILE
Surname:
Hopkins
Houk
Gehon
Kilsgaard
Selfridge
Fitzsimons

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

DEC - 7 1955

Mr. Howard Hoyles
Route 3
Bakersville, North Carolina

Re: Docket No. DMEA-3987 - Mica
Howard Hoyles
Hoyles Prospect
Mitchell County, North Carolina

Dear Mr. Hoyles:

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 by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

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

Sincerely yours,

(by E.S.F.)

Administrator

JHopkins:ad 12/5/55
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5222
Mr. Houk
Mr. Hopkins

A.C.G.

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

December 5, 1955

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: A denial of exploration assistance and summary report

By: James Hopkins

1. Docket No. DMEA-3987 - Mica

Property: Hoyles Prospect - 2 miles northeast of Wing, N. C.
Mitchell County, North Carolina

Applicant: Howard Hoyles, Route 3, Bakersville, North Carolina

Application: Received September 21, 1955

Work proposed:

Bulldozing trench 20 hours @ $10.00/hr.	$200.00
Shaft sinking 60 feet @ $50.00/ft.	3,000.00
Drifting 80 feet @ $35.00/ft.	2,800.00
Estimated total cost	$6,000.00

2. No contract - application denied.

3. Comments:

This is a new prospect with no past production.
Mica:
Mineralogically, the mica is stained with a black mineral or minerals bent and clay-stained. It is predominantly small-90% of the size 1" x 1" or smaller. Very few sheets were over 1-1/2" - 2" in size. It is non-ruby and non-strategic.

Pegmatite:
Workings consisting of a trench 6-10 feet deep and 150 feet long exposes a coarse-textured, zoned and non-conformable pegmatite 3-1/2' to 4' thick for a distance of 50 feet. Mica is present in a plagioclase wall zone surrounding a quartz-perthite core. The country rock is a weathered hornblende gneiss.

It is the opinion of the field examiners that strategic grade mica would not be found at this location. Therefore, they recommend denial of the application for exploration assistance.

The Nonmetallic Minerals Division and the Geological Survey and Bureau of Mines concur in the denial.

James Hopkins
Nonmetallic Minerals Division

Hopkins Hook

600

December 5, 1955

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: A denial of exploration assistance and summary report

By: James Hopkins

1. Docket No. DMEA-3987 - Mica

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It is the opinion of the field examiners that strategic grade mica would not be found at this location. Therefore, they recommend denial of the application for exploration assistance.

The Nonmetallic Minerals Division and the Geological Survey and Bureau of Mines concur in the denial.

James Hopkins
Nonmetallic Minerals Division

JHopkins:ad 12/5/55
Copy to: Admr. R. File
Mr. Houk
Mr. Hopkins:

Hopkins

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

RECEIVED
DEC - 1 1955

November 30, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3987 (mica)

Applicant: Howard Hoyles

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

Date of Field Team Report: 11/8/55

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 11/21/55

Field Team Recommendation: Recommend denial of this application.

Comments:

1. This is a new prospect and no data are available in this office on this property.

2. The mica is predominately small, bent, and contains numerous black mineral inclusions.

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

Recommendation: I concur with the recommendation of the field team.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

RECEIVED
NOV 23 1955

November 22, 1955

Re: DMEA 3987
Howard Hoyles
Hoyles prospect
Mitchell County, N. C.
$6,000 - Mica

Memorandum

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

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

Subject: Review of Field Team report.

The pegmatite for which assistance in exploration was requested is a new find. Stripping has exposed it for 50 feet where it is 3.5 - 4 feet thick, non-conformable, coarse textured and zoned. Mica is fairly abundant, is small, bent, and contains numerous small, black, mineral inclusions.

Because of the small size and poor quality, the examiners consider the prospect has small chances of success and recommend that no assistance be granted.

I concur with the recommendation of denial of the application of the examiners and the Field Team.

N. E. Nelson

N. E. Nelson

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

November 14, 1955

COPY

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville

Subject: Field Examination Reports: DMEA-3997, John J. Walker (mica)
North Carolina -- and
DMEA-3987, Howard Hoyles (mica)

Enclosed are four copies of each of the subject examination reports.

The Field Team concurs with the field examiners and recommend denial of these applications.

s/ ROBERT A. LAURENCE
Robert A. Laurence
Executive Officer
DMEA Region V

s/ V. J. LYNCH
V. J. Lynch, Member
Bureau of Mines

11/21/55

RECEIVED
NOV 16 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXAMINATION REPORT
BY
FIELD TEAM, REGION V

On

DMEA-3987, HOYLES PROSPECT(mica)
Mitchell County, N. C.

By

K. H. Teague, Geologist
S. C. Bergman, Geologist
A. R. Taylor, Geologist
U. S. Geological Survey
and

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

NOV. 8, 1955

Docket Copy
Surname:
FLKnouse
Selfridge
Johnson

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

600

SEP 29 1955

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

Subject: Docket No. DMEA-3987 - Mica
Howard Hoyles
Hoyles Prospect
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 from Mr. W. F. Dietrich of the Bureau of Mines, dated September 23, 1955, and from Mr. N. E. Nelson of the Geological Survey, dated September 23, 1955, are enclosed.

If surface excavations are recommended for the proposed trenching and shaft site, detailed estimated costs for this work should be reported as costs per cubic yard in lieu of hours and cost of tractor or manual labor time.

Six copies of the "Consent to Lien" were received with the application and a copy of the application with a copy of the lease covering the land concerned were forwarded to your office on September 21, 1955. The land description on the "Consent to Lien" is the same as in the lease.

If your office recommends an exploration program approved by the applicant, 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,

FLKnouse:gad 9/27/55
Copy to: Admr. R. File
Docket

George C. Selfridge
Chairman, Operating Committee

Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Knouse

Approved:

P. F. Yopes
Member, Bureau of Mines (2LB)

N. E. Nelson
Member, Geological Survey (2LB)

Enclosures 4

R.C.L.

Docket Copy
Surname:

F L Knouse
Selfridge
Nelson
Yoe
F E Nunn

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

SEP 29 1955

Mr. Howard Hoyles
Route 3
Bakersville, North Carolina

Re: Docket No. DMEA-3987 - Mica
Howard Hoyles
Hoyles Prospect
Mitchell County, North Carolina

Dear Mr. Hoyles:

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. Laurence, 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,

C. O. Mittendorf

Administrator

FLKnouse:gad 9/27/55
Copy to: Admr. R. File
Docket
Field Team, Region V
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Knouse

IN REPLY REFER TO:

Mr. Kinnear
Mr Hopkins

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

RECEIVED
SEP 26 1955

September 23, 1955

Re: DMEA 3987
Howard Hoyles
Hoyles Prospect
Mitchell Co., N. C.
$6,000.00 - Mica

Memorandum

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

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

Subject: Review of application.

Another "appearance of materials" prospect, so appraisal of the application is impossible.

Referral is automatic in cases such as this, and is so recommended.

N. E. Nelson

N. E. Nelson

Mr Hopkins
Mr Hopkins

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

September 23, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3987 (mica)

Applicant: Howard Hoyles

Name and Location of Property: Hoyles Prospect, Mitchell Co., N. C.

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 9/21/55

Comments:

1. No data available in this office on this property.

2. Although it would be desirable for the applicant to furnish more complete information, it appears that a visit by an examiner would furnish more useful data.

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

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
SEP 21 1955

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

Not to be filled in by applicant

Docket No. DMEA-3987
Metal or Mineral Mica
Date Received 9/21/55
Estimated Cost $6,000.00
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: Howard Hoyles
Bakersville, Route 3, N. C.

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Legal description given on attached lease.

(*b*) State any mine name by which the property is known. Hoyles Prospect, 2 Mi. N.E. of Wing, N.C.

(*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. Lease attached.

(*e*) If you own the land, describe any liens or encumbrances on it Not land owner.

(*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 sheet.

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

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

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

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

5. *The exploration project.*—(*a*) State the mineral or minerals for which you 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 sheet.

(*c*) The work will start within 30 days and be completed within ..... 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 sheet.

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: See sheet.

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

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

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

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

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

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

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

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

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

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)? Yes. Will furnish required 25%.

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated September 19, 1955

Howard Hoyles
(Applicant)

By Howard Hoyles

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

RECEIVED
SEP 2 1 1973

4. (a) No previous operations. This is a new prospect.

(b) No past production.

(c) From appearance of materials showing, we believe that by exploring, we may uncover some strategic quality non-ruby mica.

(d) Project is accessible to roads and shipping.

(e) Manpower, materials, equipment and supplies are available; power is within 1/4 mile.

5. (b) We propose to bulldoze a cut to expose pegmatite, then sink a 5'x7' shaft to a depth of 60'; then drift with vein a total of 80'.

6. Estimate of costs:

20 Hours Bulldozing @ $10.00 per hour	$ 200.00
60' Shaft @ $50.00 per foot	3000.00
80' Drift @ $35.00 per foot	2800.00
	$ 6000.00

Howard Hoyles

Mr. Hoyle is now thirty-seven years old, and has lived in Mitchell County all his life. He attended Bowman High School. Mr. Hoyle has been chiefly self-employed, and has done a lot of mica mining for himself and others, during the eight years previous to 1946. He is at present employed as a mechanic by the local Buick garage.

Mr. Hoyle is a reputable citizen, and lists the following references:

Mr. Lloyd Black, Buick Dealer
Spruce Pine, N. C.

Mr. Paul Fortner
Wing, N. C.

Mr. C. W. Ellis
Bakersville, Route 3
North Carolina

MINING LEASE

State of North Carolina Mitchell County:

This indenture made this 19th day of September, 1955 ~~1953~~,

between Brown Sparks

of Mitchell County and State of North Carolina as party of the first part, and known as lessor, and Howard Hoyle

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

WITNESSETH, That the party 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:

Beginning on a stake at the center of the Hoyle Prospect which is located 200' N. of an iron stake, and running 250' North; thence 250' West; thence 500' South; thence 500' East; thence 500' North; thence 250' West to a point of closing. This prospect located 2 miles N.E. of Wing, N.C.

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 1/8

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 _____, 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:

Kenneth L. McKinney
Notary Public
My Comm Exp. 8/17/57

x Brown Sparks (Seal)

(Seal)

(Seal)

September 21, 1955
Subject: DMEA-3987
Re: Exploration Assistance
Hoyles Prospect

Mr. Howard Hoyles
Bakersville, Route 3
North Carolina

My dear Mr. Hoyles:

The receipt of your application dated September 19, 1955, for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3987 and referred to the Nonmetallic Minerals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

FIELD EXAMINATION REPORT
On

RECEIVED
NOV 16 1955

DMEA-3987, HOYLES PROSPECT (mica)
Mitchell County, N. C.

Applicant: Howard Hoyles, Route #3, Bakersville, North Carolina

This is a new prospect with no past production. The mica, although farily abundant, is predominately small, bent, and contains numerous small black mineral inclusions. It is the opinion of the field examiners that strategic grade mica would not be found at this location. Therefore, we recommend that the application for assistance be denied.

The DMEA field examiners visited the Hoyles Prospect, two miles northeast of Wing, North Carolina in company with Mr. Howard Hoyle, Mr. John Jarrett and S. L. Phillips on October 17, 1955. One hour was spent on the examination.

Workings consisted of a trench 6 - 10 feet deep, and 150 feet long. The trench exposed a zoned pegmatite.

A coarse-textured, zoned, 3.5 - 4 feet thick non-conformable pegmatite is exposed for a distance of 50 feet. Mica is present in a plagioclase wall zone surrounding a quartz-perthite core. The pegmatite trends N 35 W and dips 50-60° NE. It is non-conformable with the country rock which consists of weathered, hornblende gneiss. The gneiss trends NE and dips SE.

This new prospect is situated on a gently sloping hillside about one-quarter mile from a state road. Accessibility is good. Although a compressor was seen at the site, no other machinery or buildings were seen. Power is within one-quarter mile of the prospect.

Mineralogically, the mica is stained with a black mineral or minerals, bent, and clay-stained. The mica is predominately (about 90%) small, of the size 1" x 1" or smaller. Very few sheets ~~xxxxx~~ of mica (stained) were over 1 1/2 - 2" in size. After trimming, the muscovite sheets would not be of strategic size. The mica, non-ruby in color, does not indicate any possibility of success if exploration were carried out.

It is the conclusion of the field examiners that exploration would have little chance of success based on the poor quality of the mica alone.

Examined: October 17, 1955.

Teague, Taylor and Bergman, Geologists
U. S. Geological Survey

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

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