DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3696

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Cys to USBM and USGS.
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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.

Routing Slip

To:	600	Date	2/24/55
To:	Anderson	Date	2/25/55
To:	Oper Cons	Date	4-6-55
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CONTROLLED DOCUMENT

600

APR - 7 1955

Messrs. R. Lee Aston & Nelson
Severinghaus, Jr.
Confederate States Mining Company
Ducktown, Tennessee

Re: Docket No. DMEA-1696 - Mica-Beryl
Confederate States Mining Company
Aston and Goffey Prospects
Union County, Georgia

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 and beryl 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,

C. O. Mittendorf

Administrator

WCAnderson:gad 4/5/55
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 3222
Mr. Dietrich, 3061
Mr. Houk

April 5, 1955

Memorandum

To: The File

From: Walter C. Anderson, Nonmetallic Minerals Division

Subject: Evaluation of application and field examination report.

Docket No. DME-3696 - Mica-Beryl
Confederate States Mining Company
Aston and Coffey Prospects
Union County, Georgia

Denial of this application is recommended.

Mica - Is thinly scattered throughout the pegmatite. All in less than 2 inches in size. Non-strategic quality, very heavly mineral stained, bent, cracked, wavy and locky.

Pegmatite - Three pegmatites.

1. Aston Prospect - Pod shaped pegmatite 12 feet thick and 40 feet long. No zoning. Emplaced conformably in graphite mica schist.
2. Coffey Prospect - No information given except that a thick band of coarse granite is exposed in road bank and all mica is small and of non-strategic quality.
3. Unnamed Prospect - Thin pegmatite less than three feet thick exposed in logging road cut. No other information except that mica is of non-strategic quality.

Old workings - The only working is a bulldozer trench on the Aston Prospect, 75 feet long by 20 feet wide by 10 feet deep. This yielded only a small amount of non-strategic mica.

Method of exploring - The applicant proposes a 4 foot diameter circular shaft 50 feet deep on the Aston Prospect. The Field Team proposes no work, as they recommend denial of the application.

Economics - There has been no previous production nor is there sufficient geological criteria available to evaluate the economics of an operation. There are sufficient exposures to indicate that these pegmatites do not contain enough mica to justify an exploration program. This is the basis for the Field Team's recommendation to deny the application. The Nonmetallic Minerals Division concurs, as do the Commodity Members from the Geological Survey and Bureau of Mines.

WCAnderson:pk 8/12/55

Copyto: Admr. R. File
Mr. Houk
Mr. Anderson

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

March 22, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3696 (mica)

Applicant: Confederate States Mining Company

Name and Location of Property: Aston and Coffey Prospects
Union County, Georgia

Date of Field Team Report: March 8, 1955

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: March 15, 1955

Field Team Recommendation:

1. Denial of application.

Comments:

1. Mica exposed in a pegmatite dike in the Aston Prospect is of nonstrategic quality.

2. Mica exposed in the Coffey Prospect also is nonstrategic.

Recommendation:

I concur with the field team recommendation to deny this application.

Signed

W. F. Dietrich

IN REPLY REFER TO:

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

RECEIVED

March 16, 1955

Re: DMEA-3696
Confederate States
Mining Co.
(Aston and Coffey
Prospects)
Union Co., Georgia
$2,759.54 - Mica-Beryl

Memorandum

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

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of Field Team examination report

The Field Team has recommended the application be denied.

The three prospects proposed for exploration assistance do not represent favorable targets. The size of the pegmatites and the limited amounts of low quality mica presently exposed indicate that DMEA assistance is not warranted.

I concur with the field examiners' conclusions and recommend this application be denied.

E. L. Newcomb

ELNewcomb:hlm
G-3/16/55

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

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

DEPARTMENT OF THE INTERIOR
Minerals Administration
RECEIVED
MAR 18 1955

March 15, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3696 (mica)

Applicant: Confederate States Mining Co.

Name and Location of Property: Coffey Prospect
Union County, Georgia

Date Application Rec'd. by Br. of Ceram. & Fert. Mat.: February 24, 1955

Comments:

1. Pegmatitic material is exposed and little exploration has been done.

2. Applicants appear to be qualified to carry on systematic exploration.

3. Costs are estimated at $2,759.54.

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.

Signed

W. F. Dietrich

Anderson

COPY

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

March 8, 1955

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Field Examination Reports:
DMEA-3631, Marie & Jennie Vaughn (mica-uranium) Georgia
DMEA-3677, Bill Buchanan & Lewis Grindstaff (mica) N. C.
DMEA-3696, Confederate States Mining Co. (mica-beryl) Ga.

Enclosed are four copies each of the subject examination reports.

We agree with the field examiners' recommendations for denial of all three applications.

These examinations were made without field referral, when our field examiners were in the area on other inspections.

Robert A. Laurence
Executive Officer
DMEA Region V

V. J. Lynch,
U. S. Bureau of Mines
Member, DMEA Field Team.

Defense Minerals Administration
RECEIVED
MAR 9 - 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXAMINATION REPORT BY FIELD TEAM, REGION V

On

DMEA-3696, ASTON and COFFEY PROSPECTS
Mica-beryl
Union County, Georgia

BY

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

and

Wm. A. Beck, Sup. Mining Engineer
U. S. Bureau of Mines

February 25, 1955

FIELD EXAMINATION REPORT
ON

DMEA-3696, ASTON AND COFFEY PROSPECTS
(mica-beryl)

Applicant: Confederate States Mining Co. c/o R. Lee Aston, Copperhill, Tenn.

None of the three prospects contain sufficient mica of strategic grade to justify exploration assistance. Denial is recommended.

These prospects were examined on February 25, 1955. Messrs. R. Lee Aston and Nelson Severinghaus, Jr., accompanied the examiners on the inspection which required three hours.

The location of these prospects is well shown on the application. They are about seven miles airline due west of Blairsville, Union County, Georgia. Access is possible at all times by jeep.

Description of the prospects follows the numbering as shown on the map which is attached to the application.

(1) Aston Prospect: A bulldozer trench 75 feet long, 20 feet wide, and 10 feet deep exposes a pod shaped pegmatite which is about 12 feet thick and 40 feet long. It is emplaced conformable in graphitic mica schist. Inclusions of wall rock are common in the pegmatite. The pegmatite trends about N. 45° E., dipping at a low angle to the northwest. No zoning is apparent. The pegmatite is composed of potash feldspar, plagioclase, quartz, muscovite, and biotite. Some "burr-rock" is present.

Only a small amount of mica was recovered from the bulldozing. It is of small size, very heavily mineral stained, bent, cracked, wavy, and lecky. No work is recommended.

(2) Coffey Prospect: A thick band of coarse granite is exposed in a road bank at this place. All mica is in sizes less than two inches in diameter and of non-strategic quality. No work is recommended.

(3) Un-named Prospect: A thin pegmatite was cut while building a logging road. It is less than three feet thick and all the mica is of non-strategic quality. No work is recommended.

These three prospects all contain non strategic mica. Denial of the application is recommended.

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

Wm. A. Beck, Sup. Mining Engineer
U. S. Bureau of Mines

Inspected:
February 25, 1955

IN REPLY REFER TO:

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

March 2, 1955

Re: DMEA-3096
Confederate States
Mining Company
(Coffey Prospect)
Union Co., Georgia
$2759.54 - Mica-Beryl

Memorandum

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

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of application

The operator has proposed to explore three zones of mica by developing 50 feet of shaft and 10 feet of drift. A vertical shaft is planned to intersect the projected mica shoots at a depth of 35 feet.

We do not have any available information in our files on the pegmatite occurrences on the Coffey property.

There are several reported exposures of pegmatite in the area and apparently very little exploration has been done. According to the owner, there has been no past production.

Further trenching probably should be done before shaft sinking is undertaken. Although the cost of the proposed work is very moderate, the amount of exposed mica-bearing pegmatite may be insufficient to justify exploratory development as an initial stage of DMEA exploration.

I recommend the application be referred to the Field Team for their review and a field examination report.

E. L. Newcomb

ELNewcomb:hlm
G-3/2/55

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

Docket Copy
Surname:
Anderson
Houk
Hedges
Kiilsgaard
Selfridge
Hoffman

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

APR - 7 1955

Messrs. R. Lee Aston & Nelson
Severinghaus, Jr.
Confederate States Mining Company
Ducktown, Tennessee

Re: Docket No. DMEA-3696 - Mica-Beryl
Confederate States Mining Company
Aston and Coffey Prospects
Union County, Georgia

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 and beryl 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,

C. O. Mittendorf

Administrator

WCAnderson:gad 4/5/55
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

R.G.

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

April 5, 1955

Memorandum

To: The File

From: Walter C. Anderson, Nonmetallic Minerals Division

Subject: Evaluation of application and field examination report.

Docket No. DMEA-3696 - Mica-Beryl
Confederate States Mining Company
Aston and Coffey Prospects
Union County, Georgia

Denial of this application is recommended.

Mica - Is thinly scattered throughout the pegmatite. All in less than 2 inches in size. Non-strategic quality, very heavly mineral stained, bent, cracked, wavy and locky.

Pegmatite - Three pegmatites.

1. Aston Prospect - Pod shaped pegmatite 12 feet thick and 40 feet long. No zoning. Emplaced conformably in graphite mica schist.
2. Coffey Prospect - No information given except that a thick band of coarse granite is exposed in road bank and all mica is small and of non-strategic quality.
3. Unnamed Prospect - Thin pegmatite less than three feet thick exposed in logging road cut. No other information except that mica is of non-strategic quality.

Old workings - The only working is a bulldozer trench on the Aston Prospect, 75 feet long by 20 feet wide by 10 feet deep. This yielded only a small amount of non-strategic mica.

Method of exploring - The applicant proposes a 4 foot diameter circular shaft 50 feet deep on the Aston Prospect. The Field Team proposes no work, as they recommend denial of the application.

Economics - There has been no previous production nor is there sufficient geological criteria available to evaluate the economics of an operation. There are sufficient exposures to indicate that these pegmatites do not contain enough mica to justify an exploration program. This is the basis for the Field Team's recommendation to deny the application. The Nonmetallic Minerals Division concurs, as do the Commodity Members from the Geological Survey and Bureau of Mines.

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

March 22, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3696 (mica)

Applicant: Confederate States Mining Company

Name and Location of Property: Aston and Coffey Prospects
Union County, Georgia

Date of Field Team Report: March 8, 1955

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: March 15, 1955

Field Team Recommendation:

1. Denial of application.

Comments:

1. Mica exposed in a pegmatite dike in the Aston Prospect is of nonstrategic quality.

2. Mica exposed in the Coffey Prospect also is nonstrategic.

Recommendation:

I concur with the field team recommendation to deny this application.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

March 16, 1955

Re: DMEA-3696
Confederate States
Mining Co.
(Aston and Coffey
Prospects)
Union Co., Georgia
$2,759.54 - Mica-Beryl

Memorandum

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

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of Field Team examination report

The Field Team has recommended the application be denied.

The three prospects proposed for exploration assistance do not represent favorable targets. The size of the pegmatites and the limited amounts of low quality mica presently exposed indicate that DMEA assistance is not warranted.

I concur with the field examiners' conclusions and recommend this application be denied.

E. L. Newcomb
E. L. Newcomb

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

Dept. of the Interior
Defense Minerals Administration
RECEIVED
MAR 16 1955

March 15, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3696 (mica)

Applicant: Confederate States Mining Co.

Name and Location of Property: Coffey Prospect
Union County, Georgia

Date Application Rec'd. by Br. of Ceram. & Fert. Mat.: February 24, 1955

Comments:

1. Pegmatitic material is exposed and little exploration has been done.

2. Applicants appear to be qualified to carry on systematic exploration.

3. Costs are estimated at $2,759.54.

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

Arrowsmith

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 3/11/55

REFERRED TO:

1. ~~Operating Committee~~
2. ~~Miss Curtin~~
3. 600
4.

FOR:

- ..... Action
- ..... Approval
- ..... Comment
- ..... Conference
- ..... Consideration
- ..... Filing
- ..... Instructions
- ..... Investigation
- ..... Initials
- ..... Mailing
- ..... Previous correspondence
- ..... Recommendation
- ..... Record of .....
- ..... Referring to .....
- ..... Reply for signature of .....
- ..... Rewriting
- ..... Signature
- ..... Suggestions
- ..... Your information

REMARKS: Field Exam. Report
For Agenda 3/14/55
OK for Denial

Check (X) before the items needing attention.

George C. Selfridge

Initials of sender.

GPO 16—63815-1

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

COPY

~~WASHINGTON 25, D.C.~~
ROOM 13, POST OFFICE BLDG.
KNOXVILLE 2, TENN.

March 8, 1955

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Field Examination Reports:
DMEA-3631, Marie & Jennie Vaughn (mica-uranium) Georgia
DMEA-3677, Bill Buchanan & Lewis Grindstaff (mica) N. C.
DMEA-3696, Confederate States Mining Co. (mica-beryl) Ga.

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

We agree with the field examiners' recommendations for denial of all three applications.

These examinations were made without field referral, when our field examiners were in the area on other inspections.

/s/ ROBERT A. LAURENCE
Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

/s/ V. J. LYNCH
V. J. Lynch
U. S. Bureau of Mines
Member, DMEA Field Team.

Reviewed by
DMEA OPERATING COMMITTEE
3-11-55
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

MAR 9 - 1955

DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXAMINATION REPORT BY FIELD TEAM, REGION V

On

DMEA-3696, ASTON and COFFEY PROSPECTS
Mica-beryl
Union County, Georgia

BY

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

and

Wm. A. Beck, Sup. Mining Engineer
U. S. Bureau of Mines

February 25, 1955

Reviewed by
DMEA OPERATING COMMITTEE
3-11-55

Bureau of Mines
Bureau Minerals Administration
RECEIVED
MAR 9 - 1955

FIELD EXAMINATION REPORT
ON

DMEA-3696, ASTON AND COFFEY PROSPECTS
(mica-beryl)

Applicant: Confederate States Mining Co. c/o R. Lee Aston, Copperhill, Tenn.

None of the three prospects contain sufficient mica of strategic grade to justify exploration assistance. Denial is recommended.

These prospects were examined on February 25, 1955. Messrs. R. Lee Aston and Nelson Severinghaus, Jr., accompanied the examiners on the inspection which required three hours.

The location of these prospects is well shown on the application. They are about seven miles airline due west of Blairsville, Union County, Georgia. Access is possible at all times by jeep.

Description of the prospects follows the numbering as shown on the map which is attached to the application.

(1) Aston Prospect: A bulldozer trench 75 feet long, 20 feet wide, and 10 feet deep exposes a pod shaped pegmatite which is about 12 feet thick and 40 feet long. It is emplaced conformable in graphitic mica schist. Inclusions of wall rock are common in the pegmatite. The pegmatite trends about N. 45° E., dipping at a low angle to the northwest. No zoning is apparent. The pegmatite is composed of potash feldspar, plagioclase, quartz, muscovite, and biotite. Some "burr-rock" is present.

Only a small amount of mica was recovered from the bulldozing. It is of small size, very heavily mineral stained, bent, cracked, wavy, and locky. No work is recommended.

(2) Coffey Prospect: A thick band of coarse granite is exposed in a road bank at this place. All mica is in sizes less than two inches in diameter and of non-strategic quality. No work is recommended.

(3) Un-named Prospect: A thin pegmatite was cut while building a logging road. It is less than three feet thick and all the mica is of non-strategic quality. No work is recommended.

These three prospects all contain non strategic mica. Denial of the application is recommended.

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

Wm. A. Beck, Sup. Mining Engineer
U. S. Bureau of Mines

Inspected:
February 25, 1955

IN REPLY REFER TO:

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

Defense Minerals Administration
RECEIVED
MAR 4 - 1955

March 2, 1955

Re: DMEA-3696
Confederate States
Mining Company
(Coffey Prospect)
Union Co., Georgia
$2759.54 - Mica-Beryl

Memorandum

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

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of application

The operator has proposed to explore three zones of mica by developing 50 feet of shaft and 10 feet of drift. A vertical shaft is planned to intersect the projected mica shoots at a depth of 35 feet.

We do not have any available information in our files on the pegmatite occurrences on the Coffey property.

There are several reported exposures of pegmatite in the area and apparently very little exploration has been done. According to the owner, there has been no past production.

Further trenching probably should be done before shaft sinking is undertaken. Although the cost of the proposed work is very moderate, the amount of exposed mica-bearing pegmatite may be insufficient to justify exploratory development as an initial stage of DMEA exploration.

I recommend the application be referred to the Field Team for their review and a field examination report.

E. L. Newcomb

E. L. Newcomb

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

Defense Minerals Administration
RECEIVED
FEB 23 1955

February 21, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region V, Knoxville, Tenn.

Subject: Application of R. Lee Aston & Nelson Severinghaus, Jr. Ptnrs. d/b/a Confederate States Mining Co. (mica-beryl)

Transmitted are the original and two copies of the subject application, received in this office today.

We have retained one copy for our files.

The field examiners plan to be in the vicinity of the property this week and will make the examination and advise the applicants that a new lease will be required which will be for a ten year period. They will also be told to have the Owner's Consent to Lien forms signed.

Robert A. Laurence

Robert A. Laurence

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 45 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

WASHINGTON 25, D. C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 23 1955

February 21, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region V, Knoxville, Tenn.

Subject: Application of R. Lee Aston & Nelson Severinghaus, Jr. Ptnrs. d/b/a Confederate States Mining Co. (mica-beryl)

Transmitted are the original and two copies of the subject application, received in this office today.

We have retained one copy for our files.

The field examiners plan to be in the vicinity of the property this week and will make the examination and advise the applicants that a new lease will be required which will be for a ten year period. They will also be told to have the Owner's Consent to Lien forms signed.

Robert A. Laurence

RAL/zm

cc:
Lynch
Files

February 24, 1955
Subject: DMEA 3696
Re: Exploration Assistance

Messrs. R. Lee Aston & Nelson
Severinghaus, Jr.
Confederate States Mining Company
Ducktown, Tennessee

Gentlemen:

The receipt of your application dated February 18, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA 3696 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

February 24, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region V

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region V.

DMEA - 3696 Confederate States Mining Company

Robert E. Adams,
Chief, Operation's Control
and Statistics Division

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

THE Defense Minerals Administration
RECEIVED
FEB 23 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. 3696
Metal or Mineral Mica-Beryl
Date Received 2-23-55
Estimated Cost $2,759.54
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: R. Lee Aston & Nelson Severinghaus, Jr.; partnership (Confederate States Mining Company) Ducktown, Tenn.

(*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 Mineral rights leased by R. Lee Aston, applicant, and owned by Miss Laurel (Laura) Coffey, Route 4, Blairsville, Georgia, and being 80 acres in the south half of lot no. 3, and 20 acres in the south half of lot no. 4, both in the 10th District and 1st section of Union Co., Georgia.

(*b*) State any mine name by which the property is known. None known

(*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 lease attached

(*e*) If you own the land, describe any liens or encumbrances on it not applicable

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. not applicable

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 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, distance to shipping, supply and residence points.

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

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FEB 21 1955 16—66551-1
U. S. Geological Survey
Geologic Division
Knoxville, Tenn.

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore strategic (sheet) mica and accessory mineral beryl

(*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 sheet

(*c*) The work will start within 30 days and be completed within 12 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:

(*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

(*b*) How do you propose to furnish your share of the costs? See 6 (d) above

☐ 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 Feb. 18th, 1955

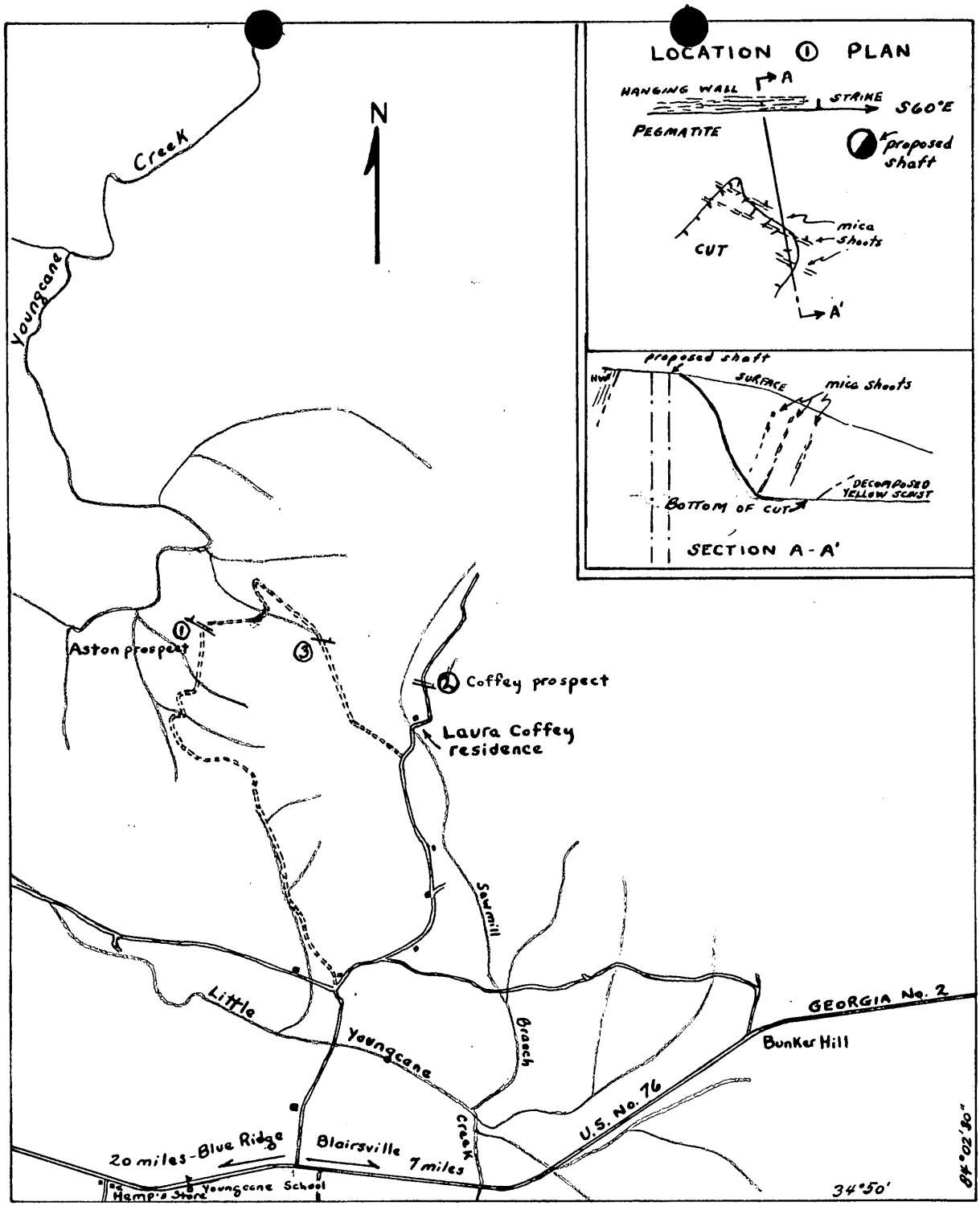
Confederate States Mining Co.
(Applicant)

By R. Lee Aston

Wilson Sherrington Jr

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



NOTE: Information from TVA Mulky Gap Quad. no. 142-SE

0 ¼ ½ 1 MILE

ACCESS MAP TO COFFEY PROPERTY, UNION CO., GA.

CONFEDERATE STATES MINING COMPANY

DUCKTOWN, TENNESSEE

** COPY**

RECEIVED
FEB 23 1955

GEORGIA, UNION COUNTY
Clerk's Office, Superior Court
Filed for record at 4:00,P.M.
Oct. 4 19 54
Recorded in Book MM Folio 58
Oct. 7th 19 54
James c. Lance
Clerk

MINING LEASE

GEORGIA
COUNTY OF UNION

THIS INDENTURE, made this fourth day of October A.D., 1954, between Miss Laurel Coffey of Route 4, Blairsville, Georgia, lessor, and Mr. R. Lee Aston, Mining Engineer, of Ducktown, Tennessee, lessee;

WITNESSETH: That the said lessor, for and in consideration of the royalties hereinafter reserved, and the covenants and agreements hereinafter expressed,and by the said lessee to be kept and performed, hasgranted, demised and let, and by these presents does grant, demise, and let, unto the said lessee, all the following described mine and mining property, situated in the County of Union, State of Goergia, and more particularly described as follows: being 80 acres in the south half of lot no.3, and 20 acres in the south half of lot no. 4, both in the 10th District and 1st Section of Union County. Together with the appurtenances to have and tohold unto the said lessee for the term of two (2) years from the date hereof, expiring at noon on the fourth day of October 1956, unless sooner forfeited or determined through the violation of any covenant.

And in consideration of the said demise the said lessee does covenant and agree with the said leessor as follows; to wit: The sole right to enter upon said mine or premises, and work the same in the manner necessary to good and economical mining, with due regard to the exploration, development and preservation of the said premises as a workable mine, and to the special covenants hereinafter reserved.

The lessor agrees with the lessee that the amount of royalty shall be fixed at 10% of the market sale value of all minerals removed and sold. It is further understood and agreed that the lessee shall have access to cut such timber on the above described property as he deems necessary to the development and preservation of the said premises as a workable mine.

It is further understood and agreed that the conveyance of the said land and minerals as herein described, is to be made at the option of the said Mr. R. Lee Aston, his successors and assigns at a price to be determined and to be exercised on or before the said fourth day of October, 1956.

IN WITNESS WHEREOF, THE said lessor, Miss Laurel Coffey, and lessee, Mr. R. Lee Aston, hereunto set their hands and seals this the fourth day of October, 1954.

Laura Coffey (SEAL)
R. Lee Aston (SEAL)

** COPY**

GEORGIA
COUNTY OF UNION

I, Clyde Wehunt, do hereby certify this date personnally appeared before me the said Miss Laurel Coffey and Mr. R. Lee Aston, and acknowledged the due execution by them of the foregoing instrument, for the purposes therein expressed.

In witness whereof, I hereunto set my hand and affix my official seal , this the 4th day of October 1954.

Clyde Wehunt
Notary Public, Union County, Georgia
My commission Expires June 1, 1956

SEAL

APPLICATION FOR AID IN AN EXPLORATION PROJECT

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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FEB 23 1955

4. Physical description:

(a) Shallow pits have been dug at various places in pegmatitic material in the past, but there has been no reported production. An area of approximately 50 by 50 feet has been stripped of its overburden at location 1, marked on the accompanying access map, exposing the hanging wall and the pegmatite. The applicant has done a little hand drilling and blasting, making a cut in the stripped location. The applicant has dug a very shallow hole at location 2.

(b) There is no known production according to the owner.

(c) There are several exposures of pegmatite on this property. (See the accompanying access map with pegmatite locations marked) The strike and dip of three have been noted as being similar. The exposed width (not true width) in the road at location 2 is about 48 feet.

At the stripped exposure, marked as location 1, and in the cut, which is about 10 feet below the surface exposure of the hangwall, there are three mica shoots within a six foot width. At this location the footwall has not been definitely established because surface run-off water has washed waste rock down the slope covering the footwall side of the pegmatite, The surface exposure of pegmatitic material appears to be atleast 12 feet and, more probably, nearer to 20 feet.

The exposed pegmatite is thoroughly weathered and decomposed. The only minerals recognized thus far are quartz, a thoroughly decomposed feldspar, and muscovite. The mica appears to be of good color (rum to ruby), is flat, and has some ruling. No "A" type was seen. Ruled pieces are often large enough for number 5 to 6 size trimmed mica. The main fault with the sheets of mica thus far is their heavy clay staining.

Approximately 25 lbs. of hand-cobbed sheet mica was taken by the applicant from the mica shoots in the cut to a mica trimmer at Ball Ground, Georgia, who reported about a pound of trimmed mica from it, mostly in the 5½ and 6 size, with some no. 5. Again the main difficulty was in scaling off and shredding to eliminate the clay stain.

The applicant sent several samples of the decomposed pegmatitic material and mica to Dr. A.S. Furcron of the Georgia Geological Survey. As a result of correspondence with him, it is felt that the clay stain is to be expected in so thoroughly a kaolinized material and that it should disappear as the feldspar begins to harden, or soon thereafter.

It is believed that this pegmatite has promise of producing good mica and that surface indications prompt investigation below the zone of clay staining.

APPLICATION FOR AID IN AN EXPLORATION PROJECT
continued

4 (d) The prospect locale is about seven miles west of Blairsville, Union County, Georgia, and can be reached by U.S. #76 and Georgia #2. The prospect is about 1½ miles north of U.S.#76. It can be reached by 1.2 miles of all weather, improved road and then 1 mile of logging road. In bad weather, at present, this last mile is passable only by truck. The better access road is colored in red on the accompanying access map.

The distance to the nearest rail point is 20miles to Blue Ridge, Ga.

(e) Mica operations being small, availability of manpower should not be problematic.

Timber available locally. Supplies are available at Blue Ridge, Ga., Murphy, N.C., Copperhill, Tenn., and Atlanta, Ga. The first three being in a thirty mile radius.

Youngcane Creek is within a quarter mile and has an estimated 250 gpm.

The nearest residence is one mile away and has electricity.

5. (b) The applicants have given consideration to two exploration plans,viz. a vertical shaft, and an inclined shaft on the exposed mica shoots.

A slope sunk on the mica shoots has the advantage of being able to to observe the quality of the mica with depth. It is realized that these shoots may, or may not, persist with depth and that the economical and safety advantages of a vertical, circular shaft outweigh the singular advantage of the inclined shaft. The vertical, circular shaft offers greater ground stability and requires less timbering.

It is further realized that a change of plan may be in order after the inspection of a DMEA geologist, but the proposal is presented for the vertical, circular shaft of 4 foot diameter.

The shaft is to be collared in the pegmatite just east of the cut. This shaft is designed to intersect the projection of the mica shoots at a depth of 35 feet. At this point it shall be decided whether or not to continue downward to 50 feet and then drift about 10 feet across the pegmatite to the mica shoots.

(d) R. Lee Aston, B.S. in Mining Engineering, Missouri School of Mines; Employed for 2 years as mine engineer with Tenn. Copper Co. and 3 years as mine geologist for Tennessee Copper Co., Ducktown, Tenn.

Nelson Severinghaus, Jr., B.S. in Mining Engineering, Arizona School of Mines; employed for 1 year as a mine engineer with the Tenn. Copper Co.

APPLICATION FOR AID IN AN EXPLORATION PROJECT
continued

6. Estimate of costs:
(a) no independent contracts
(b) Labor, supervision, consultants-

The applicants are to act in all three capacities in this project. Time and rates are as follows:

labor @ $15.00/shift.....	50 man shifts.....	$750.00
supervision @ $25.00/shift,	25 " "	650.00
consultant fees (extra)		100.00
	total..	$1500.00

(c) Operating materials and supplies-
(calculations based on 50ft. of 4ft. diameter shaft & 10ft. of 4'x6'drift)

drill steel.....	$35.00
drill bits	36.00
blasting powder.....	50.00
blasting wire.....	4.05
electric blasting caps.....	20.00
electric blasting detonator.....	20.00
gasoline.....	93.00
oil.....	14.00
sheave	40.00
steel cable.....	17.00
cable clamps.....	3.00
mucking bucket.....	25.00
axe	2.50
saw.....	6.00
picks.....	4.70
shovels.....	9.00
hammers.....	14.50
ladders clamps.....	3.50
nails.....	5.00
pipe.....	11.90
pipe and hose couplings	3.50
hose.....	25.00
timber.....	45.00
tamping sticks.....	1.00
miscellaneous steel.....	10.00
sales tax.....	9.97
TOTAL ...	$508.67

(d) Operating equipment: (All to be furnished by applicant)

Hoist and engine.....	$ 250.00
Air compressor.....	150.00
jackhammer.....	100.00
TOTAL...	$ 500.00

(e) none
(f) none
(g) none
(h) Contingencies figured at standard 10%

6. Summary of estimate of costs:

Labor, supervision, etc.	$1500.00
Supplies, materials, etc.....	508.67
Equipment.....	500.00
	$2508.67
Contingencies @ 10%	250.87
total.....	$2759.54

NOTE

With regard to the owner's consent to lien; if the DMEA does not see fit to waiver this item, then we shall proceed with its fulfillment.

We are rewriting our lease and will make it for a five year period with the option of extending it for another five years. If the DMEA has a mining lease form that we may use or copy, we would appreciate a copy from which we may pattern ours.