DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3756

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.

Cys to USBM and USGS.

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.

Routing Slip

To:	600	Date	4/6/55
To:	Hopkins	Date	4/7/55
To:	Oper. Com.	Date	4/25/55
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	

DO NOT DETACH

CONTROLLED DOCUMENT

DOCKET COPY
Surname:
Hopkins
Houk
Hedges
Kiilsgaard
Selfridge
Johnson

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

JUN - 2 1955

Mr. James L. Freeman, Trustee
Freeman, Bowles, Cohen and Hoyt
Gabbettville, Georgia

Re: Docket No. DMEA-3756 - Beryl-Mica
Freeman, Bowles, Cohen and Hoyt
Brown Property
Troup County, Georgia

Dear Mr. Freeman:

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 beryl-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,

C. O. Mittendorf

Administrator

JHopkins:ad 5/31/55
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Reno, 3641A
Mr. Houk

R.C.K.

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

June 1, 1955

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: A denial of exploration assistance and summary report.

By: James Hopkins

1. Docket No. DMEA-3756 - Mica-Beryl
Property: Brown Property consisting of 100 acres
Troup County, Georgia

Applicant: James L. Freeman, Trustee for
Freeman, Bowles, Cohen and Hoyt
Gabbettville, Georgia

Application: Received April 4, 1955.

Work proposed:

Bulldozing Trenches 10 days	$ 960.00
Shaft sinking 75 feet	1,500.00
Drifting 200 feet	3,000.00
Total requested	$5,460.00

No contract application denied.

2. Comments:

Geological Premise: A little beryl but no mica was recovered from one of two pegmatites exposed by trenching on this property.

Geological Criteria: Northeast pegmatite exposed in trench 75 feet long. It is pod like in plan and is unzoned. It has no quartz core, is thoroughly weathered and only a few beryl crystals and scrap mica recovered. The Northwest pegmatite is 100 feet long and 20 feet in thickness. A quartz core 15-20 feet long is exposed in a trench. No beryl is exposed, nor is the reserve of potential beryl bearing rock significant. About 500 pounds of beryl was recovered from the trench.

Future possibilities: None

Recommendations: The Nonmetallic Minerals Division concurs in the Field Team's recommendation to deny the application. The Commodity Specialists of the Geological Survey and the Bureau of Mines also concur in the denial.

James Hopkins
Nonmetallic Minerals Division

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

Defense Minerals Administration
RECEIVED
MAY 26 1955

May 26, 1955

Memorandum

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

From: Commodity-Industry Analyst, Branch of Rare and Precious Metals

Subject: Field Team examination report, DMEA Docket No. 3756 (beryl-mica)

I concur with the Field Team recommendation that the application for exploration aid be denied.

Horace T. Reno

Horace T. Reno

Hopkins

IN REPLY REFER TO:

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

May 20, 1955

Re: DMEA-3756
Freeman, Bowles,
Cohen & Hoyt
Brown Property
Troup Co., Georgia
Beryl-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 report of the examiners justifies the recommendation of denial of the Field Team.

T. K. Kilgoard

For: N. E. Nelson

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

May 16, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region 5, Knoxville

Subject: Field Examination Reports. (mica)

Transmitted are four copies each of the following reports:

DMEA-3756, Brown Property, Troup County, Georgia

DMEA-3765, J. R. McMahan Property, Jackson County, North Carolina

The Field Team concurs with the examiners recommendation that both applications be denied.

Wm. A. Beck, Acting
EXECUTIVE OFFICER
DMEA REGION V

Reviewed by
DMEA OPERATING COMMITTEE
5-20-55
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXAMINATION REPORT BY FIELD TEAM
REGION V

On

DMEA-3756, BROWN PROPERTY
Beryl-mica
Troup County, Georgia

BY

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

and

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

April 29, 1955

Reviewed by
DMEA OPERATING COMMITTEE
5-20-55
(date)

FIELD EXAMINATION REPORT
On
DMEA-3756, BROWN PROPERTY (mica)- (beryl)

Applicants: Freeman, Bowles, Cohen & Hoyt, c/o James L. Freeman,
Gabbettville, Georgia

Two pegmatites have been explored on this property for beryl . A little beryl was recovered from one of the pegmatites, but tonnage reserves are extremely small; the other contains no commercial beryl. No mica of strategic grade occuts in either pegmatite. The examiners recomend that the application be denied.

This property was examined April 29, 1955. Messrs. James L. Freeman, C. A. Cohen, and Pete Bowles accompanied the examiners on the inspection which required two hours.

The Brown property is 5 miles south of LaGrange, Troup County, Georgia. It is about one-half mile east of Georgia Highway No. 219, on land Lot 246 of the 6th Land District. It is easily accessible.

The applicants have recently trenched both pegmatites to a depth of about 20 feet. The Northeast pegmatite is exposed in a trench about 75-feet long. This pegmatite appears to be pod-like in plan trending to the northeast. It is unzoned, contains no quartz core, thoroughly weathered, and only a few beryl crystals and scrap mica has been recovered. No additional work is warranted.

The Southwest pegmatite is about 200 feet southwest of the one described above. It has been completely stripped and a trench which trends N. 75° E. has been cut across the south portion of the pegmatite. The pegmatite is about 100 feet in length and up to 20 feet thick. A quartz core 15-20 feet long is exposed in the trench. About 500 pounds of beryl crystals has been recovered from the trench adjacent to the quartz core. No beryl is presently exposed, nor is the reserve of potential beryl-bearing rock significant. It is estimated that the cost of producing the beryl obtained is at least three times the value of the beryl. No work is recommended.

Examined: April 29, 1955.

K. H. Teague, Geologist
U. S. G. S.

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

z

DOCKET FILE
Surname:

Hopkins
Houk
Kilsgaard
Hayes
Selbridge
Johnson

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

600

Mr. James L. Freeman, Trustee
Freeman, Bowles, Cohen and Hoyt
Gabbetville, Georgia

APR 25 1955

Re: Docket No. DMEA-3756 - Beryl-Mica
Freeman, Bowles, Cohen and Hoyt
Brown Property
Troup County, Georgia

Dear Mr. Freeman:

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 that you may give the members of the field team during the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

JHopkins:ad 4/22/55
Copy to: Admr. R. File
Docket
Field Team, Region V
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

R.S.G.

DOCKET FILE
Surname:

Hopkins
Houk
Selfridge
Johnson

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

APR 25 1955

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

Subject: Docket No. DMEA-3756 - Beryl-Mica
Freeman, Bowles, Cohen and Hoyt
Brown Property
Troup County, Georgia

Dear Mr. Laurence:

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

Copies of memoranda from Horace T. Reno of the Bureau of Mines, dated April 7, 1955, and from Thor H. Kiilsgaard of the Geological Survey, dated April 18, 1955, are enclosed for your information.

Sincerely yours,

George C. Selfridge
ESY
Chairman, Operating Committee

Approved:

J. W. Hedges ESY
Member, Bureau of Mines

Thor H. Kiilsgaard ESY
Member, Geological Survey

Enclosures 4

JHopkins:ad 4/22/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

R.C.S.

IN REPLY REFER TO:

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

Defense Minerals Administration
RECEIVED
APR 19 1955

April 18, 1955

Memorandum

To: L. G. Houk, Chief, Nonmetallic Minerals Division, Defense Minerals Exploration Administration

From: T. K. Kiilsgaard, U. S. Geological Survey

Subject: Review of James L. Freeman application, DMEA Docket 3756 (mica), Troup County, Georgia

The applicant has applied for a DMEA contract totaling $5460, the funds to be expended on 10 days of bulldozing, 75 feet of shaft, and 200 feet of drift. This work will further explore a previously unknown pegmatite, which has recently been opened by two bulldozer trenches. Where accessible in the recently dozed location, the pegmatite is reported to consist of a quartz core 4 feet wide and 30 to 40 feet long, with a kaolin-mica-tourmaline wall zone ranging from 10 to 20 feet wide on each side of the quartz core. About 500 pounds of beryl and some mica are reported to have been produced from the wall zone of the pegmatite.

This is apparently a new pegmatite which shows some promise. I therefore recommend referral of the application to the field for a field examination.

Field examiners should check the ground to be covered by the contract. In this respect, the lease attached to the application describes 100 acres; however, it may be that not all of this land will need to be subordinated to the contract. Considering the amount of work to be done, there would appear to be no need to subordinate 100 acres unless the field examiners believed all of this land would benefit from the work.

The proposed costs should also be checked; I doubt if the applicant can sink a shaft at $20 per foot and drift at $15 per foot as he proposes.

No Consent to Lien agreements were noted with the application.

We have no information in our files on this deposit.

T. K. Kiilsgaard

T. K. Kiilsgaard

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROWAN BLDG.
KNOXVILLE 2, TENN.

April 13, 1955

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-3756, James L. Freeman, et al. Application. Georgia

Attached are six copies of MF-203, Owner's Consent to Lien, to be attached to the subject application mailed your office March 31, 1955.

Robert A. Laurence

Robert A. Laurence

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

Department of the Interior
Defense Minerals Administration
RECEIVED
APR 7 1955

April 7, 1955

Memorandum

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

From: Commodity-Industry Analyst, Branch of Rare and Precious Metals

Subject: Application for aid in an exploration project, DMEA Docket No. 3756 (beryl-mica)

It is recommended that subject application be referred to the field for an examination of the property.

Horace T. Reno

Horace T. Reno

Copy to: Division of Minerals
Branch of Rare and Precious Metals
DMEA (3 copies)
E. L. Newcomb, Geological Survey, Room 5227
H. T. Reno
FILES

3 copies mining
lease received

April 6, 1955
Subject: DMEA 3756
Re: Exploration Assistance
Brown Property

Mr. James L. Freeman, Trustee
Freeman, Bowles, Cohen & Hoyt
La Grange, Georgia
Returned because of incomplete address being No street addr

Dear Mr. Freeman:

The receipt of your application dated February 28, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA 3756 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

60932

April 6, 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- 3756 James L. Freeman, et al.

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

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

March 31, 1955

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Application: James L. Freeman, Trustree (beryl)
Brown Property, LaGrange, Georgia

Enclosed are 3 copies of the subject application, received here on March 14. We held it here, expecting early receipt of the correct Owner's Consent to Lien forms.

However, as these have not yet been received, we are sending you the application for processing. The new Owner's Consent to Lien will be forwarded when received.

Robert A. Laurence
Robert A. Laurence

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

March 31, 1955

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Application: James L. Freeman, Trustree (beryl)
Brown Property, LaGrange, Georgia

Enclosed are 3 copies of the subject application, received here on March 14. We hold it here, expecting early receipt of the correct Owner's Consent to Lien forms.

However, as these have not yet been received, we are sending you the application for processing. The new Owner's Consent to Lien will be forwarded when received.

Robert A. Laurence

TM

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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. 3756
Metal or Mineral Beryl-Mica
Date Received 4-4-55
Estimated Cost $5,460
Participation (Government %)

RECEIVED
APR - 4 1955

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: James L. Freeman as Trustee for Freeman, Bowles, Cohen and Hoyt (joint owners) all of La Grange, Georgia.

(*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 100 acres lease as described in attached copy of lease.

(*b*) State any mine name by which the property is known. Brown Property

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

(*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

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

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.

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

(*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. See Appendix "B"

(*d*) State the facts with respect to the accessibility of the project: Access roads, distance to shipping, supply and residence points. See Appendix "C"

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

RECEIVED
MAR 14 1955
U. S. Geological Survey
Geologic Division
Knoxville, Tenn.

16—66551-1

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore BERYL*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 Appendix "E"

(*c*) The work will start within 10 days and be completed within 3 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 Appendix "F"

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: Appendix "G"

(*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?

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

See Appendix "H"

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 February 28th, 1955, 195

James L. Freeman, Gabbettville, Ga.
(Applicant)

By Philip A. Hoyt

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

APPENDIX "A" Par. 4-Physical Description;

A- Present prospecting developments include bulldozing surface overburden and exposing two pegmatite bodies, this work being done by the applicant and recently completed to present status. These workings are open and can be readily inspected.

B- Production of about five hundred pounds of beryl and considerable mica, most of which is still in the dozed ore.

APPENDIX "B" Par. 4

C- This is a typical pegmatite of the Troup County area, except that instead of superficial green beryl crystals, the particular spot opened up have developed crystals of some size, two crystals being over 100# each and some small ones on the order of four to six inches in diameter. The beryl is broken and is of a blue-green type similar to the Hogg mine beryl. This is an entirely new deposit not showing on the surface except for a few pieces of quartz. The location opened consists of core quartz, about four feet wide and thirty to forty feet long, with wall zone of kaolin-mica-tourmaline averaging some ten to twenty feet wide on each side of the quartz core.

The position of the quartz indicates possible slumping of the body and this feature should have some consideration in further prospecting. Another kaolin-quartz zone was opened by dozing about 200 feet northeasterly and down the hill approximately 100 feet lower than the major discovery, this pegmatite trending in approximate line with the discovery location.

Across the line and on another property is large massive quartz (with rose quartz inclusions) which is possibly part of the same pegmatite. No work here is sufficient to determine its potential, and this is not a part of this proposed work.

We believe the possibilities are favorable for beryl development. The work already done by the applicant includes dozing five days with D7 and 3 days with D6. Most of this work was removing very heavy overburden and resulted in opening the major discovery and the trench at the bottom of the hill. Approximately $1250 was spent on this work with some small hand work on the location digging beryl and pits in the wall zone against the quartz core.

APPENDIX "C"

The location is about 2 miles northerly from the Hogg Mine and about five miles from LaGrange, approximately ½ mile from Highway 219 south of La Grange. A road has been dozed into the location, from the highway.

APPENDIX "D"

Adequate manpower, materials, supplies, equipment and water are available in the area under better than normal conditions.
Live water is on the property.

APPENDIX "E"

Par. 5-Exploration Project

B- The proposed work for which this loan would be used would include another one or two dozer trenches and sinking along the quartz core to follow this contact down and do the work in the kaolin wall zone, cross-cutting over to the quartz if necessary at thirty or thirty five feet and if this was favorable to sink on down to seventyfive feet and explore the zone at that depth, if the pegmatite goes that deep.
To determine, if possible, if the discovery location has slumped down the hill and locate the pegmatite in place at some lower level. The whole mineralization is favorable for considerable beryl, if the crystals continue to be as prolific and in a size found in the top of the pegmatite against the quartz core.

APPENDIX "F"

D- The applicant has had many years experience in contracting work involving moving of ground and some surface mining. He will be assisted by Mr. Hoyt present Supt. of the Hogg Mine project, who will guide the direction and extent of the work as seems justified from developments as they occur in the prospecting effort.

APPENDIX "G"

Par. 6-Estimate of cost

A-Proposed bulldozing-10 days at $12 per hr. for D7 dozer-------$960.
Shaft work-hand work with windlass etc.-75 feet @ $20. ft. --$1500.
(this work to be done consistant with what is found as the shaft goes down)
Drifting in kaolin wall zone-along the quartz core-
200 feet at $15 per foot----------$3000.
(this work would be done if the preliminary work indicated it to be favorable and would all be done in the kaolin wall zone against the quartz, in which zone we believe the best possibilities for beryl is evident)

$5460.

We believe the above work can be kept within the $5000 loan applied for.

B- Local labor at $1 per hour will be used. Geological consultation and guidance will be contributed to the project at no cost.
C- All small equipment will be fornished by the applicant.
D- A D7 or D6 dozer will be furnished by the applicant as contribution on basis of $12 per hr. for use-allowance and payment will be made for this equipment on above basis on all work above the use allowance.
E- No buildings or repairs are anticipated except repairs on nominal basis for the limited equipment involved.
F- No new buildings are anticipated.
G- Payroll taxes-witholding etc. will be handled on basis of State and Federal requirements and will be charged to the loan amount.

MINING LEASE

THIS INDENTURE MADE THIS 2ND DAY OF DECEMBER, A.D., 1954, BY AND BETWEEN JOHN BROWN, HEREINAFTER REFERRED TO AS LESSOR, AND JAMES L. FREEMAN, C. A. COHEN AND PETE BOWLES, HEREINAFTER REFERRED TO AS LESSEES,

WITNESSETH:

1. THAT THE LESSOR, FOR AND IN CONSIDERATION OF THE COVENANTS AND AGREEMENTS HEREINAFTER CONTAINED ON THE PART OF THE LESSEES, AND OF ONE DOLLAR IN HAND PAID TO THE LESSOR BY THE LESSEES, THE RECEIPT WHEREOF IS HEREBY ACKNOWLEDGED, DOTH HEREBY GRANT AND CONVEY TO THE SAID LESSEES, THEIR HEIRS, EXECUTORS, ADMINISTRATORS, AND ASSIGNS, THE RIGHT OF ENTERING IN AND UPON THE LANDS HEREINAFTER DESCRIBED FOR THE PURPOSE OF SEARCHING FOR MINERAL AND FOSSIL SUBSTANCE AND OF CONDUCTING MINING, QUARRYING, EXPLORATION, OPERATIONS AND DEVELOPMENT OF ANY AND ALL DEPOSITS OF MINERAL AND/OR FOSSILS THEREON, AND TO DO SO TO ANY EXTENT HE MAY DEEM ADVISABLE; THIS LEASE TO RUN FOR THE TERM OF 6 MONTHS FROM THE DATE HEREOF, PAYING FOR THE SITE OF SUCH BUILDINGS OR WORKS AS MAY BE NECESSARY THERETO A REASONABLE RENT WHICH IS DESCRIBED BELOW IN PARAGRAPH 2. THE SAID LANDS HEREIN LEASED ARE SITUATED AND DESCRIBED AS FOLLOWS:

> A CERTAIN TRACT OR PARCEL OF LAND, LYING AND BEING IN TROUP COUNTY, GEORGIA, AND DESCRIBED AS FOLLOWS: BEGINNING AT THE SOUTHWEST CORNER OF LAND LOT 246, IN THE 6TH LAND DISTRICT, OF TROUP COUNTY, GEORGIA; THENCE RUNNING N. 2 DEGREES 40' WEST 1527 FEET TO CORNER OF LANDS OF NEB ALLEN; THENCE DUE EAST 2926 FEET TO AN IRON CORNER; THENCE SOUTH 0-DEGREES 50' EAST TO PUBLIC ROAD; THENCE ALONG PUBLIC ROAD TO THE DISTRICT LINE; THENCE WEST ALONG DISTRICT LINE 2620 FEET TO POINT OF BEGINNING. SAID TRACT OF LAND CONTAINS ONE HUNDRED (100) ACRES, AND IS IN THE 6TH LAND DISTRICT.

SPECIAL STIPULATIONS:

> FOR THE CONSIDERATION HEREIN STATED, THE LESSEES ARE HEREBY GRANTED AN OPTION TO RENEW SAID LEASE FOR A TERM OF 10 YEARS AT THE EXPIRATION OF 6 MONTHS FROM THE DATE OF SAID LEASE. SAID LESSEES MAY EXERCISE THIS OPTION BY MAILING A WRITTEN NOTICE TO JOHN BROWN, HIS HEIRS, ADMINISTRATORS OR EXECUTORS AT RFD #2, LAGRANGE, GEORGIA ON OR BEFORE 15 DAYS PRIOR TO THE EXPIRATION OF SAID 6 MONTHS LEASE. THE PROVISIONS AND TERMS OF THIS LEASE SHALL BE BINDING UPON THE HEIRS, ADMINISTRATORS AND/OR EXECUTORS OF THE LESSOR AND THE LESSEES HEREIN.

2.

THE LESSEES HEREBY COVENANT THAT THEY, THEIR HEIRS, EXECUTORS, ADMINISTRATORS, OR ASSIGNS, WILL PAY OR CAUSE TO BE PAID, TO SAID LESSOR, HIS HEIRS OR ASSIGNS, AS CONSIDERATION FOR RENT UNDER THIS LEASE, TEN (10) PER CENT OF "THE VALUE OF THE MINERAL AT THE PORTAL OF THE MINE", WHICH IS MORE PARTICULARLY DESCRIBED AS THE MONIES REALIZED FROM THE SALE OF THE MINERALS. ALL COSTS OF PLACING THE MINERALS AT THE MOUTH OF THE MINE TO BE BORNE BY LESSEES. MONTHLY STATEMENTS OF THE PREVIOUS MONTHS AND ANALYSIS OF SALES AND COST OF SALES SHALL BE FURNISHED FOR THE LESSOR, HIS HEIRS OR ASSIGNS ON OR BEFORE THE TENTH DAY OF EACH AND EVERY MONTH BEGINNING THE TENTH DAY OF THE FIRST CALENDAR MONTH FROM DATE OF THIS LEASE. PAYMENT OF THE RENT AS PROVIDED HEREIN SHALL BE MADE ON OR BEFORE TEN DAYS AFTER LESSEES RECEIVE PAYMENT FOR MINERALS SOLD. LESSOR OR HIS AGENT SHALL HAVE THE RIGHT TO ENTER THE WORKINGS AT ANY AND ALL REASONABLE TIMES AND TO INSPECT THE RECORDS OF PRODUCTION.

3.

THIS LEASE MAY BE ASSIGNED BY LESSEES TO ANY BUSINESS ENTITY OF WHICH HE IS A PART AND SHALL RUN TO THE HEIRS OF LESSEES.

4.

LESSEES FURTHER COVENANT THAT NO DAMAGE SHALL BE DONE TO OR UPON THE SAID LANDS AND PREMISES, HEREIN LEASED, OTHER THAN MAY BE NECESSARY IN CONDUCTING THE SAID OPERATIONS AS SET FORTH HEREIN.

5.

LESSEES HAVE THE RIGHT TO CONSTRUCT ROADS, STORE EXCAVATION MATERIALS FROM WORKINGS AND MATERIALS INCIDENT TO OPERATING UNDER THIS LEASE UPON THIS PROPERTY, USE WATER, ERECT CAMPS, POWER LINES, WELLS AND OTHER STRUCTURES FOR PURPOSES OF MINING OR BENEFICIATION OF MINERALS. THE WASTE MATERIAL INCIDENT TO OPERATING UNDER THIS LEASE UPON THIS PROPERTY SHALL BE DUMPED OR LEFT ON THESE PREMISES ADJACENT TO THE SITE OF THESE OPERATIONS AT THE DISCRETION OF LESSEES.

6.

THE RIGHTS OF LESSEES, THEIR HEIRS OR ASSIGNS UNDER THIS LEASE SHALL NOT BE IMPAIRED BY THE PASSING OF THE FEE OF THIS LAND OR IMPROVEMENTS SITUATED THEREON.

7.

THIS LEASE MAY BE CANCELLED OR TERMINATED AS FOLLOWS:

(A) BY MUTUAL AGREEMENT.
(B) BY LESSOR IN EVENT:

(1) LESSEES, THEIR HEIRS OR ASSIGNS FAIL TO PERFORM THE TERMS AND COVENANTS OF THIS LEASE.

8.

ANY AND ALL LIABILITY OF LESSEES, THEIR HEIRS OR ASSIGNS DUE TO OPERATION BY LESSEES, THEIR HEIRS OR ASSIGNS UNDER THIS LEASE AGREEMENT, SHALL CEASE UPON THE CANCELLATION OR TERMINATION OF THIS LEASE AS HEREINABOVE PROVIDED OR UPON THE ABANDONMENT OF THESE PREMISES BY LESSEES, THEIR HEIRS OR ASSIGNS, AND GIVING NOTICE OF SUCH ABANDONMENT TO LESSOR, HIS HEIRS OR ASSIGNS.

IN WITNESS WHEREOF THE PARTIES HERETO HAVE HEREUNTO EXECUTED THIS INSTRUMENT FOR THE PURPOSES HEREIN EXPRESSED, THE DAY AND YEAR ABOVE WRITTEN.

SIGNED, SEALED AND DELIVERED
IN THE PRESENCE OF:

SIDNEY BRADFIELD

HORACE RICHTER
(AS TO LESSOR)

JOHN BROWN (SEAL)
LESSOR

JAMES L. FREEMAN (SEAL)

C. A. COHEN (SEAL)

PETE BOWLES (SEAL)
LESSEES

SIDNEY BRADFIELD

HORACE RICHTER
(AS TO LESSEES)

MY NOTARY COMMISSION
EXPIRES JULY 12, 1958