600

NOV 5 1953

Mr. Alphous C. Bruton
1029 Piedmont Avenue, N. E.
Atlanta, Georgia

Re: Docket No. DMA-3034 - Beryl
Ralph H. Cook Prospect
Pickens and Cherokee Counties, Georgia

Dear Mr. Bruton:

Your application for aid for an exploration project and other data available to us in Washington concerning your application 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, although noting a small amount of beryl on your lease, indicates to us that the probability of disclosing minable ore reserves 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 lease to our attention.

Sincerely yours,

E. O. Wittenberg

Administrator

JTRobertson:gad 11/3/53
Copy to: Admr. R. File
Docket File
Operating Committee
Field Team, Region VII
Mr. Dietrich, 3326
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

| | |
|---|---|
| DMEA-3034<br>Beryl<br>Region VII | ALPHEUS C. BRUTON, ATLANTA, GEORGIA. Ralph H. Cook Prospect, Pickens County, Georgia. 7-3-53 No. 249<br>Field Report recommending denial, but suggesting the application be held in abeyance until the Jones-Stancil project is completed. The report was referred to the Commodity Group. |
| DMEA-3034<br>Beryl<br>Region VII | ALPHEUS C. BRUTON, ATLANTA, GEORGIA. Ralph H. Cook Prospect, Pickens County, Georgia. 7-5-53 No. 242<br>Letter to the Field requesting a review of the application, a field examination if necessary, and report and enclosing copies of memoranda from the Bureau of Mines and the Geological Survey. Letter to the Applicant. |

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

RECEIVED
NOV - 4 1955

November 2, 1955

Mr. H. W. Straley, III
School of Ceramic Engineering
Georgia Institute of Technology
Atlanta, Georgia

Re: DMEA-2840, Idm-B507 (beryl)
Stancil & Jones, Jasper, Ga.
DMEA-3034 (Beryl)
Alpheus C. Bruton, Atlanta, Ga.

Dear Mr. Straley:

Both the beryl deposits referred to in your letter of October 2, received here on October 31, were examined by K. H. Teague and J. F. O'Neill, for the Defense Minerals Exploration Administration as a result of applications filed for exploration assistance.

Jones is A. L. Jones of Jasper, Georgia, and in the beryl venture he and Carl Stancil, also of Jasper were partners. On April 9, 1953 DMEA entered into a contract with Stancil and Jones to do $8,000 worth of exploratory work on a tract of land in Pickens County, Georgia which had been purchased by Jones from Walter Denson on January 8, 1952. Work was completed on September 25, 1953 with total expenditure of $5,771.86, to which the Government contributed $5,194.67. Certificate of discovery was not issued.

In May 1953, we received an application from Alpheus C. Bruton, 1029 Piedmont Ave., N.E. Atlanta, for aid in exploring for beryl an land in Pickens and Cherokee Counties, leased to Bruton by Ralph Cook. This property adjoins the Jones tract on the west. Assistance was denied because the property did not show probability of containing significant reserves.

I regret that we are unable to release any of our reports on DMEA examinations and contracts. Mr. Jones and Mr. Bruton are, of course, entitled to give you any information they may have concerning their properties, and the same applies to any of the other operators of DMEA projects.

To date, we have made 30 examinations in Georgia and have had 15 exploration contract with a total value of $110,621.00, of which two are still in force. Four have resulted in certified discoveries and one (the Hogg beryl mine in Troup County) has sold enough ore to repay the entire amount of the Government's contribution. The Georgia contracts were for mica (11), beryl (3) and manganese (1).

With best regard to yourself and Mrs. Straley, I am

Sincerely,

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

RAL/am

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 4 1953

1029 Piedmont Avenue, N.E.
Atlanta, Georgia
2 November 1953

Mr. Lawrence G. Houk,
Chief Nonmetallic Minerals Division
U.S. Dept. of the Interior
Defense Minerals Exploration Administration

Re: Docket No. DMEA-3034-Beryl
Ralph H. Cook Prospect
Pickens County, Georgia

Dear Mr. Houk:

Your letter of 8/12/53 stated that you were defering action on my application for exploration assistance until the adjoining Jones-Stancil project is completed. May I therefore request, at this point whether or not the Jones Stancil Project has been Mx declared a mine? And, may I respectfully request that you tell me what my chances of getting this loan seem to be at this time.

The reason for these requests is that I now have time to ~~properly~~ explore the project. I would like to get it started if I can. Winter is coming on, and working conditions are harder during the winter. I feel that it would be to the Government's intrest to grant the loan at this time if it is to be granted.

In the event that you do not see fit to make the loan on the basis that the Jones-Stancil project would indicate that the beryl potential is not great enough, I will quite naturally abandon it as a beryl prospect. On the other hand if the Jones-Stancil project indicates that it is worth working, but that it is on the same vein and therefore does not need to be prospected I will attempt to work it to ppoduce beryl.

Any consideration that you can give me on this will be deeply appreciated.

Respectfully yours,
Alpheus C. Bruton
Alpheus C. Bruton

Answered by denial letter

A.C. Bruton
1029 Piedmont Ave. N.E.
Atlanta, Georgia.

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AIR MAIL
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POSTAGE

GIVE ENOUGH
THROUGH YOUR
COMMUNITY CHEST

Mr. Lawrence G. Hook,
Chief Nonmetallic Minerals Division
U.S. Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D.C.

November 3, 1953

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Docket No. DMEA-3034 - Beryl
Alpheus C. Bruton
Cook Prospect
Pickens and Cherokee Counties, Georgia

Closing Review: A denial (after field examination).
Property: A beryl prospect on the farm of Ralph H. Cook situated about four miles west from Tate, Georgia. Contains about 156 acres in Lots 202, 195 and 196 of District 1509 of Section 2, Pickens and Cherokee Counties, Georgia.
Applicant: Alpheus C. Bruton (a lessee)
1029 Piedmont Avenue, N. E.
Atlanta, Georgia.
Amount Requested: $2,450.00.
Proposed work: Surface stripping and the sinking of 4 or 5 test pits.
Field Report: Examination was made by Kefton H. Teague, Geologist, USGS. Mr. Teague examined the prospect June 5, 1953 and reports that there is no definite beryl zone. "Beryl occurs scattered at random and associated mostly with quartz-mica segregations. Largest observed crystal 4 inches in diameter and 4-6 inches long."
Mr. Teague postponed his recommendation to await the results from the work being done on the adjoining Stancil-Jones project under DMEA-2840. October 15, 1953 when Stancil-Jones project was about complete, the Field Team reaffirmed Mr. Teague's first opinion and recommended denial of the Cook Prospect application.
Action taken: Denial of application.

Docket Summary:
5/13/53 Received application, MF-103. Also letter of transmittal, Alpheus C. Bruton to Region VII. Included a geological report on the Cook Prospect by A. S. Furcon, Geologist. Transmittal of application from Region VII to Washington Office.

| | |
|---|---|
| 5/13/53 | Letter to A. C. Bruton acknowledging receipt of application. Assigned Docket No. DMEA-3034. |
| 5/15/53 | Memo - D. M. Larrabee, USGS, suggesting that Kefton H. Teague be sent to examine the prospect. |
| 6/1/53 | Supplementary cost estimates submitted by applicant in response to request by Mr. Lawrence. |
| 7/9/53 | Memo R. F. Griffith, USBM, suggesting a field team referral. |
| 7/15/53 | Operating Committee authorizes field team referral. |
| 7/27/53 | Received Field Examination Report on Cook Prospect. Report made by Kefton H. Teague who examined the property on June 5, 1953. Recommendation is deferred for 60 to 90 days awaiting results from the adjoining Stancil-Jones property, Docket No. DMEA-2840. |
| 7/3/53 | Memo from D. M. Larrabee, USGS, concurring with field team report. |
| 8/5/53 | Memo from R. F. Griffith, USBM, concurring with field team report. |
| 8/12/53 | Applicant is advised that processing of application will be deferred 60 to 90 days while awaiting results of project at the adjoining Stancil-Jones Property. |
| 10/15/53 | Field Team, Region VII reports that the Stancil-Jones project is nearly completed with negative results, and they now recommend that pending application on the Cook Property should be denied. This memorandum states: "The beryl-producing pegmatite appears to be limited in extent and the beryl content is not high." "The proper action is to deny." |

Resume:

Quoting from the Field Team's memorandum of October 15, 1953:

"This application has been held in abeyance pending results from the adjoining Stancil-Jones prospect."

"The Stancil-Jones project is now nearing completion. Results in the main are negative. The beryl-producing pegmatite appears to be limited in extent and the beryl content is not high."

"The Field Team believes that the proper action to take on the Cook Prospect is to deny the application for exploration assistance."

The "Report of Examination" by Kefton H. Teague as a result of his on-site examination, June 5, 1953, gives a more detailed description and bears out the view that the beryl-pegmatite at the Cook Property is too limited and low grade to be workable. The pegmatite is from two to four feet thick and composed of pods and small lenses of glassy quartz, green mica, some potash feldspar, beryl and segregations of small red garnet. There is no definite beryl zone. The beryl crystals in most instances are less than one inch in diameter and too small to be hand sorted. Some gem beryl-

golden beryl, honey-yellow types and aquamarine- are occasionally found. The size of the crystals are too small to permit hand-sorting and the deposit too small to consider for a milling operation.

Comment and Recommendation:

The beryl-pegmatite indicated is too low grade and too small to justify Government participation in an exploration project and in further support of this view is the negative results obtained at project DMRA-2840 on the adjoining Stancil-Jones prospect.

The Nonmetallic Minerals Division concurs in the Field Team's evaluation of the Cook Prospect, DMRA-3034, and recommends that the application be denied. Copy of Administrator's letter of denial is attached hereto.

Jasper T. Robertson
Nonmetallic Minerals Division

JTRobertson:gad 11/3/53

Copy to: Admr. R. File
Docket File
Mr. Houk

File

IN REPLY REFER TO:

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

October 29, 1953

Memorandum

REVIEW OF APPLICATION DMEA-3034(beryl)

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

From: D. M. Larrabee, U. S. Geological Survey

Applicant's name and address: Alpheus C. Bruton

Name of property: Ralph H. Cook prospect

Location of property: Pickens Co., Ga.

Date of field team report: July 22, 1953

Authorship of field team report: Gildersleeve and Beck

Field team's recommendation: Hold until DMEA-3034 is completed. Results not satisfactory.

Comments:

1. The Stancil and Jones project (DMEA-3034) provided us with very little beryl and practically no information on occurrence, in spite of our request for same.
2. My memo of July 31 points up situation.
3. F.T. memo Art. 15 recommends denial because small amount of beryl must be milled, and no mill available.

Action suggested: Follow field team's recommendation

enial.

. M. Larrabee

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 2 1953

October 26, 1953

Memorandum

To: L. G. Houk, Chief, Nonmetallics Division, DMEA

From: R. F. Griffith, Commodity-Industry Analyst, Rare and Precious Metals Branch

Subject: Field Team Report, Docket No. DMEA-3034, Ralph H. Cook Prospect (beryl), ~~Jasper and~~ Pickens Counties, Georgia. Alpheus C. Bruton, 1029 Piedmont Ave. N.E., Atlanta, Georgia.

In view of the negative results obtained from the exploration of the adjoining Stancil and Jones property, this office concurs with the field team recommendation that the application be denied.

Signed

R. F. Griffith

C.2

AUG 12 1953

Mr. Raphael G. Bruton
1229 Piedmont Avenue, N. E.
Atlanta, Georgia

Re: Docket No. DMA-334 - Beryl
Ralph E. Cook Prospect
Dickens County, Georgia

Dear Mr. Bruton:

Reference is made to your application for exploration assistance, DMA-334.

We have decided to defer action on the application until the adjoining Jones-Stancil project is completed. The processing of the application will, therefore, be held in abeyance for a period of sixty to ninety days.

Sincerely yours,

SIGNED

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

JTRobertson:gad 8/12/53

Copy to: Admr. R. File
Docket File
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

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

August 5, 1953

Memorandum

To: L. G. Houk, Chief, Nonmetalics Division, DMEA

From: R. F. Griffith, Rare and Precious Metals Branch

Subject: Field Team Examination Report, Docket No. DMEA-3034, Ralph M. Cook Prospect (beryl), Jasper and Pickens Counties, Georgia. Alpheus C. Bruton, 1029 Piedmont Ave. N. E., Atlanta, Georgia.

The subject report has been reviewed. This office concurs with the field team recommendation in that the application be held pending the completion of the work on the adjoining Jones-Stancil project.

The report has been forwarded to the Chief, Minerals Division, Bureau of Mines, in accord with the routing slip attached thereto.

R. F. Griffith

IN REPLY REFER TO:

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

Defense Minerals Administration
RECEIVED
AUG 3 1953

G-MD-CDM

July 31, 1953

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-3034 (beryl)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant's name and address: A. C. Bruton, 1029 Piedmont Ave., N.E., Atlanta, Georgia.
Name of property: Ralph H. Cook prospect.
Location of property: Adjoins Jones-Stancil prospect, DMEA-2840.
Date of field team report: July 22, 1953.
Authorship of field team report: Kefton H. Teague.
Field team's recommendation: Hold until DMEA-2840 is completed, or deny.
Sources of information on applicant's property: None.
Comments:

1. Beryl, chiefly too small for hand sorting. No custom mill in area, and deposit too small to support one.
2. Serious water problem.
3. No definite beryl zone.
4. Results of DMEA-2840 must be analyzed before going ahead with this one.

ACTION SUGGESTED: Follow Field Team's recommendation.

D. M. Larrabee

Larrabee:jeh
7/31/53
cc: Director's reading 4212
Branch reading 4212
DMEA 3
Larrabee G-232 files

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS M. McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

# REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

(Beryl)
DMEA-3034, Ralph H. Cook Prospect
Jasper, Pickens County, Georgia

By

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

July 22, 1953

Reviewed by
DMEA OPERATING COMMITTEE
7-31-53
(date)

Field Examination Report
on
DMEA-3034 (beryl) Ralph H. Cook Prospect

Applicant: Alpheus C. Bruton, 1029 Piedmont Ave. N.E. Atlanta, Ga.

This property joins the Jones-Stancil property, DMEA-2840, which is to the west. Its merits appear to be similar to the Jones-Stancil property and actually represents a continuation of the pegmatite which is being explored on that property. The examiner is of the opinion that this application should be held until the work on the Jones-Stancil project is more advanced as results from it should apply to this application.

The property was examined on June 5, 1953. Messrs Alpheus C. Bruton and Ralph H. Cook accompanied the examiner on the inspection which required two hours.

The Cook Beryl prospect is in a bend of Rock Creek at and below creek level, 5-8 airline miles S 9° W. of Jasper, Pickens County, Georgia. A good road extends to within 100 yards of the prospect.

Mr. Bruton, the applicant, has some mining experience; however, his opinion of his mining ability seems to be higher than the facts warrant.

The property is along Rock Creek, the center line of which is the boundary of the lease. Dump space is limited.

Very little work has been conducted at this place and there are no buildings or facilities at the prospect (except water).

A low-dipping pegmatite is exposed along its strike for about 50 feet. It is from two to four feet thick and composed of pods and small lenses of glassy to granular quartz, green mica, some potash feldspar, beryl, and segregation of small red garnets. The pegmatite is enclosed conformably by mica-garnet gneiss, whose foliation trends N. 60° E., dipping 5-20° SE.

These is no definite beryl zone. Beryl occurs scattered at random, associated mostly with quartz-mica segregation. The largest crystals observed are 4 inches in diameter and 4-5 inches in length. The majority of the crystals, however, are less than one inch in diameter. The beryl is pale green to pale yellow in color, some of which is of gem quality.

In order to recover beryl from this deposit, it will be necessary to mill the ore. Also water conditions will constitute a considerable problem. Furthermore, results to date on the adjacent Jones-Stancil property have not

been too optomistic. Therefore, the examiner suggests that the subject application be held until the Jones-Stancil project is completed. However, if prompt action is necessary, then it should be denied.

July 22, 1953.

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

ZM

JUL 1 5 1953

Mr. Robert [illegible] Laurence
Executive Officer, [illegible]
Field Team, Region VII
Room 13, Post Office Bldg.
Knoxville 2, Tennessee

Subject: Docket No. [illegible]-3034 - Beryl
Alphens C. Sutton
Ralph [illegible] Doc[illegible] Prospect
Pickens County, Georgia

Dear Mr. Laurence:

Reference is made to the subject application and your memorandum of May [illegible], 1953, indicating that a field examination was contemplated the following week.

[illegible] the [illegible] and [illegible] report with your recommendation.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

A. R. Kinkel, Jr.

Member, Geological Survey

Enclosures 4

LGHouk:jad 7/9/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Griffith, 3641A
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

JUL 1 5 1953 6A

Mr. [illegible] E. Bruton
[illegible]
[illegible], Georgia

Re: Docket No. [illegible] - Beryl
Ralph E. Cook Project
Elbert County, Georgia

Dear Mr. Bruton:

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 the [illegible] Field Team, Region VII for further consideration and possibly a field examination.

[illegible] office will contact you [illegible] in early [illegible]. If an examination is to be made, any assistance which you may give the members of the field team during the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf

Director

LCHouk:gal 7/ /53
Copy to: Mr. [illegible] File
[illegible]
Field Team, Region VII
Mr. Griffith, [illegible]
Mr. Larrabee, [illegible] DMA Bldg.
Mr. Houk

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

July 8, 1953

Memorandum

To: L. G. Houk, Chief, Nonmetallics Division, DMEA, Rm. 4659

From: R. F. Griffith, Rare and Precious Metals Branch

Subject: DMEA-3054. Alphous C. Bruton, 1029 Piedmont Avenue, N. E., Atlanta, Georgia

Re: Beryl

A mineral examination was made of the Cook property, Pickens County, Georgia, by a Bureau Engineer on December 2, 1952. It is assumed that the subject docket describes the same property. The summary report of the mineral examination stated that the property can be considered a possible source of beryl and scrap mica.

This office recommends that the subject docket be referred to the field team for consideration.

Signed

R. F. Griffith

IN REPLY REFER TO:

G-MD-CNM

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

May 14, 1953

Memorandum

REVIEW OF APPLICATION DMEA-3034 (beryl)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant's name and address: Alpheus C. Bruton, 1029 Piedmont Avenue, N. E., Atlanta, Georgia.
Name of property: Ralph H. Cook.
Location of property: 4 miles west of Tate, Pickens County, Georgia.
Summary of applicant's proposal: None.
Sources of information on applicant's property:
Letter from A. S. Furcron, Chief Geologist, Georgia Geological Survey, dated April 13, 1953.
Comments:

1. Pegmatite is noted "at or near water level"; -- how serious could this be in operating? It appears to be of major concern.

2. This sounds much more like a gem beryl occurrence than a commercial beryl deposit.

3. Most beryl crystals are probably too small for hand-sorting.

RECOMMENDATION:

Since Teague is familiar with this immediate area, he may be able to shed light on the deposit without a field examination.

D. M. Larrabee

Larrabee:jeh
G-5/14/53
cc: Director's reading file 4212
Branch reading 4212
DMEA (3)
Larrabee G-232

May 11, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 13 1953

Mr. Alpheus C. Bruton
1029 Piedmont Avenue N.E.
Atlanta, Georgia

Dear Mr. Bruton:

This will acknowledge receipt of four copies of your application on the Cook property, together with six copies of Owner's Consent to Lien, and a copy of your lease.

In your application you did not answer all questions in detail as we requested in our letter of April 28. Please send us a supplement in quadruplicate, to your application answering Questions 5 (b) and (d) and item 6 (a) through (n). These will be necessary before your application can be acted upon. A copy of the application form is enclosed.

In the meantime we are forwarding your application as it is to Washington.

Very truly yours,

Robert A. Laurence
Executive Officer, DMEA
Field Team, Region 7

RAL/sm
cc:
Beck
Opr. Com.3
Files