DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA ~~DMA~~ Docket No. 2298

DO NOT DETACH THIS SLIP

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

This document has been recorded as
EXPLORATION PROJECT

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 MR. NORTON---MR. DIETRICH
(ONE COPY TO U.S.G.S & ONE TO U.S.B.M.)

To: CODE 600 Rm. 4637 Date 12-20-51

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DO NOT DETACH

CONTROLLED DOCUMENT

Mr. Arthur E. Anderson
Box 2
Washington Road
College Park, Georgia

Subject: Docket No. DMA-2298 - Alex Amphlett Mica Mine
Cherokee County, Georgia

Dear Mr. Anderson:

This is to acknowledge your letter of March 31, 1952, withdrawing the subject application.

If you and Mr. Amphlett wish to proceed as partners to explore this mine, you should submit a complete new application.

In regard to your question concerning the Landlord's Subordination, Section 10 of DMA Order 1, (which is enclosed), explains about repayment by the Operator. A Landlord's Subordination agreement is not necessary, if the Operator can demonstrate that he is personally able to make any payments that may become due to the Government under Section 10 of DMA Order 1.

Sincerely yours,

(signed) FRANK E. JOHNSON

for Acting Administrator
Defense Minerals Exploration
Administration

Enclosure - 1

SAFeitler:mp 4/7/52
cc: Docket File
Adm. Reading File
Field Team, Region VII (2)
Mr. Dietrich, 3526
Mr. Norton, G-232, GSA Bldg.
Mr. Houk
Mr. A. J. Amphlett
11 Hunter Street, Atlanta, Georgia

Memorandum

To: Executive Officer, DMEA Field Team, Region VII

From: Chairman, Operating Committee

Subject: DMEA-2298, Arthur T. Anderson. Amphlett Mica Mine, Georgia

Receipt is acknowledged of your memorandum of March 12, 1952 stating that Mr. Amphlett has refused to sign subordination agreements for Mr. Anderson on the above mentioned application.

It is only in exceptional cases where we accept personal guarantee by the applicant in lieu of a subordination agreement. In cases where it is not possible to obtain a subordination, a statement of financial responsibility of the applicant should be submitted. This statement should contain his assets and liabilities, and income. The new contract contains the necessary statements that may be accepted in lieu of subordination agreements.

(signed) FRANK E. JONESS

Chairman, Operating Committee
Defense Minerals Exploration
Administration

Approved:

J. H. Hedges

For Bureau of Mines

T. P. Thayer

For Geological Survey

LGHouk:gad 3/18/52
Copy to: Admin. Reading File
Docket File
Mr. Norton, G-232, GSA Bldg.
Mr. Dietrich, 3526
Operating Committee
Mr. Hofflund
Mr. Houk

Mr. Arthur T. Anderson
Route 2
Washington Road
College Park, Georgia

Subject: Docket No. DMEA-2296
Amphlett Mica Mine
Cherokee County, Georgia

Dear Mr. Anderson:

Mr. William A. Beck of the United States Bureau of Mines has been told by Mr. Amphlett that your lease on the above mine has been terminated. To be eligible for an exploration loan, an applicant must either own the land or have a suitable lease (or sublease) in good standing.

If you no longer have a lease on the Amphlett Mine, it would be proper for you to write a letter to this office withdrawing your application and explaining that this action is necessary because your lease has been terminated.

If your lease is in good standing, please advise us so we can go ahead with the processing of your application.

Sincerely yours,

Lawrence G. Houk, Chief
Non-Metallic Minerals Division
Defense Minerals Exploration
Administration

SAFeitler:gad 3/18/52

Copy to: Admin. Reading File
Docket File
Mr. Norton, G-232 GSA Bldg.
Mr. Dietrich, 3526
Mr. Houk

Thank

Mr. Arthur T. Anderson
Route 2, Washington Road
College Park, Georgia

Re: Docket No. DMEA-2298
Amphlett Mica Mine

My dear Mr. Anderson:

Your application for assistance in exploring the Amphlett Mica Mine located in Charokee County, Georgia, Docket No. DMEA-2298, has been reviewed by the Non-Metallic Minerals Division of the Defense Minerals Exploration Administration and has been referred to Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region VII, Room 13, Post Office Building, Knoxville 01, Tennessee, for a field examination.

The Regional office will contact you at the earliest opportunity in regard to your project.

Sincerely yours,

C. O. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

COMittendorf/hb

Copy to: Adm. Reading File
Docket File
✓Mr. Houk
W. F. Dietrich, Rm. 3526
J. J. Norton, Rm. G-228 GSA Bldg.
Region VII

Hawk

600

January 22, 1952

Mr. Robert A. Laurence
Executive Officer
DMEA Field Team, Region VII
Room 13, Post Office Building
Knoxville 1, Tennessee

Dear Mr. Laurence:

We enclose "Review of Application for Exploration Assistance" on:

Arthur T. Anderson
Docket No. DMEA-2298
Commodity: Mica
Amount $6,430

Please expedite the consideration of this application with particular reference to the points raised in the enclosed "Review".

Sincerely yours,

(signed) [illegible]

Chairman, Operating Committee
Defense Minerals Exploration Administration

Enclosure

Approved:

J. H. Hedges

For Bureau of Mines

2 P Thayer

For Geological Survey

SVFaitler:gad
Copy to: Admin. Reading File
Docket File
Mr. Hawk
Mr. W. F. Dietrich, 3526
Mr. J. J. Norton, Rm. G-228 GSA Bldg.

2298 - Amphett

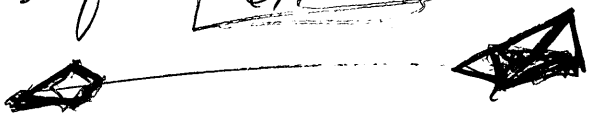
Hoist house	$150.00
Compr. 3@175	525.00
Hoist 3@75	225.00
Drill 3@65	195.00
Pump 3@40	120.00
Gas Oil & grease	300.00
Steel	80.00
Pipe	30.00
Cable	40.00
Forge	30.00
Explosives	200.00
Tools etc	150.00
Work foreman - Miner 60 sh @ 12	720.00
Mucker 60 sh @ 8	480.00
Hstman, blacksmith compressor & topland 60 @ 12.00	720.00
	3965.00
Tapes	180.00
Timber	180.00
	4325.00

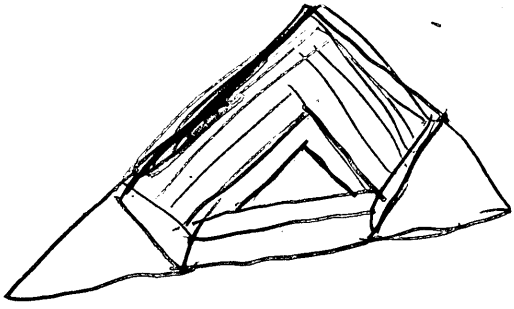
(3 men)

3/14/52
S.F.

4325 ~~50000~~ 40 ~~Laborer~~

60' drift @ 32.50 4325
40' shaft $61.00 1950.00
2375





UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

ON

THE ANPHLETT MINE, DMEA-2298 (mica)
Cherokee County, Georgia

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 5 1952

By

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

J. H. O'Neill, Mining Engineer
U. S. Bureau of Mines

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

February 12, 1952

Reviewed by
DMEA OPERATING COMMITTEE
3-7-52
(JB) (date)

Field Team Report on

THE AMPHLETT MINE, Cherokee County, Ga.

DMFA-2298 (mica)

This mine, located 4.3 miles airline S.86° E of Ball Ground, Cherokee County, Georgia, was mapped and described in 1944 by the U. S. Geological Survey (copy of report attached).

During the summer of 1951, Arthur T. Anderson of College Park, Georgia, the Applicant, widened the incline in the "Middle Cut" to 12 feet and deepened it 10 feet. The incline is now about 50 feet long. The pegmatite as exposed in the incline ranges in thickness from 18 inches to 5 feet, averaging 3.5 feet thick. Mica exposed in the incline varies greatly in quality. Much of it is "A" and "wedge-A" and contains spots. Some books of clear, flat, light ruby mica are exposed. According to Anderson about 800 pounds of flat block mica was obtained during the recent work.

Both the "South Cut" and "North Cut" are badly slumped and caved, no pegmatite can be seen in them.

It would appear that when the deposit was actively mined by Amphlett during World War II, the greatest production came from a "shoot" in the "South Cut." This "shoot" rakes about 35° N.E. Anderson did no work in the "South Cut," and further work from the surface from this place would endanger the lives of the workmen.

The Field Team believes that the best opportunity to discover additional commercial mica in this pegmatite is to explore the possible down plunge extension of the "shoot" worked from the "South Cut." The most effective method of exploring this possibility is to change the alignment of the "Middle Cut" incline slightly to approximately S. 30' E and sink it to a depth of 85 feet on the incline. A drift should than be driven southwestward along the pegmatite for approximately 60 feet to cut the possible downward extension of the "South Cut" shoot (see attached map). There is a possibility that additional "shoots" rich in strategic mica may be cut by the incline and drift.

Examined Feb. 12, 1952
Examiners: Wm. A. Beck, USBM
J. H. O'Neill, USBM
K. H. Teague, USGS

Estimated Cost of Project

Facilities (12' x 12') Hoist house and Blacksmith shop--	$ 150.00
Equipment rental	1420.00
Supplies - including explosives	1330.00
Labor and Supervision	4160.00
Miscellaneous expense, insurance, office	460.00
	$7520.00

Fixtures and Improvements

1 - 12' x 12' frame hoist house and blacksmith ship to be constructed by operator ------ $ 150.00

Operating Equipment

To be rented

1 - 105 Portable air compressor @ $175/mo.	700.00
1 - Single drum hoist @ $75/mo. 4 months	300.00
1 - Air drill with set head and column and arm @ $65/mo. 4 months	260.00
1 - Air pump with suction and discharge hose @ $40/mo. 4 months	160.00
	$1420.00

To be Purchased:

Gasoline, Oil and grease	$ 400.00	
Drill steel - 80 ft. @ $1/ft.....	80.00	
1 1/4 " pipe, 100 ft @ 30¢ per ft....	30.00	
1/2" wire cable, 200 ft. @ 20¢ per ft.	40.00	
1 - Hand forge with blower.....	30.00	
Explosives	600.00	
Tools, supplies, etc.....	150.00	
Total cost (estimated)		$1330.00

Labor and Supervision

1 - Working foreman, 80 days @ $1.50/hr.	$960.00	
1 - Hoistman-blacksmith, 80 days, @ $1.50/hr.....	960.00	
1 - Miner, 80 days, @ $1.50/hr.....	960.00	
1 - Miner's helper @ $1/hr. 80 days....	640.00	
1 - Laborer, 80 days @ $1/hr.....	640.00	
Total Cost (estimated)		$4160.00

Rehabilitation and Repairs

None

COPY

COPY

U. S. Geological Survey

~~CONFIDENTIAL~~

~~Strategic Information~~

AMPHLETT MICA MINE
CHEROKEE COUNTY, GEORGIA
November 1944

E. Wm. Heinrich

Location and access

The Amphlett mica mine is 4.3 airline miles S. 86° E. of Ball Ground, Cherokee County, Georgia, and 0.4 airline miles S. 30° E. of Conn's Church. The main workings lie on a northwest-facing slope near the top of a low ridge. The mine can be reached from Ball Ground over the following route:

Mileage	Directions
0.0	Railroad tracks in Ball Ground; take main road southeast.
0.8	Fork; keep left.
1.0	Fork; keep left.
2.1	Turn left.
2.7	Turn right at fork.
4.7	Fork; keep right.
5.55	Fork; keep left.
6.25	Fork; turn left at manure pen.
6.4	Turn sharp left on logging road.
6.7	Park car; take trail down hill to main workings.

The mine was mapped by R. W. Lemke and E. Wm. Heinrick on October 23 and 24, 1944 as a part of the Strategic Minerals Investigations of the Geological Survey, U. S. Department of the Interior.

History and ownership

The property was prospected in 1938 by Sam H. Freeman and in 1942 by J. L. Cornalison, who dug a shallow trench 20 feet long. In April 1942 Mr. A. W. Amphlett, of Ball Ground, leased the mine from the trustees of the Standard Pyrite Company. Mrs. Southwell of 1460 Peachtree Street, Atlanta, Georgia is the only living trustee. The mine is on Lot 46 of the Conn's Creek District of the Standard Pyrite Company's properties. The operations begun by Mr. Amphlett have continued to the present time. In the summer of 1944 Mr. Amphlett formed a partnership with B. C. Burgess of Spruce Pine, N. C. (Burgess Mining Company). This partnership was in the hands of arbitrators at the time the mine was mapped.

Workings

The workings are in three groups: the Northern, the Central (or Main Workings), and the Southern. Only the first two groups are included in the mapped area. The Southern Workings lie about 800 feet southwest of the Main Workings and consist of a shallow trench for 100 feet along a pegmatite body. The Northern Workings consist of a series of bulldozer trenches cut by the Federal Bureau of Mines (see map).

The Main or Central Workings include 3 open cuts and 4 prospect trenches. The North Cut is 110 feet long, as much as 20 feet wide and 22 feet deep. Down-dip stopes have been started along the south side of the cut. From the Middle Cut, which is 70 feet long, as much as 20 feet wide, and as much as 20 feet deep, an inclined shaft has been sunk on pegmatite. This shaft is 35 feet long on an incline of about 40°. At the time of the mapping it was filled with water and inaccessible. The South Cut is 180 feet long and has a maximum width of 10 feet and a maximum depth of 22 feet. Underhand stoping has been carried out along 45 feet of the length of this cut, so that the rim of the cut overhangs for as much as 14 feet.

General geology

The country rock is biotite gneiss which has been intruded by numerous sill-like bodies of pegmatite. The bodies, which are conformable with the foliation of the gneiss, strike northeast and dip on the average 45° S. E. The main pegmatite body and the gneiss have been transected by a diabase dike that strikes northwest and dips steeply to moderately southwest. The pegmatites are thin but very persistent bodies that pinch and swell, both along the strike and along the dip. The pegmatite body mined in the main workings is at least 500 feet long. Eight bodies are exposed in the mapped area, 6 of them in the North Workings (see map).

Gneiss

The gneiss is a fine- to medium-grained, dark colored rock containing biotite, quartz, garnet, and feldspar. The foliation, which strikes northeast and dips moderately southeast, is more strongly developed near the contacts with the main pegmatite body. The biotite flakes are also coarser near the contacts.

Pegmatite

The main pegmatite body ranges in thickness from a few inches to 6 feet, with an average thickness of about 1½ feet. Three thick "swellings" or pods of the main pegmatite body are exposed in the Central Workings. The main mass of pegmatite consists of a medium-grained intergrowth of quartz fledspar, muscovite, and abundant black tourmaline. The thinner parts of the body show a streaked arrangement of the minerals with the sub-parallel tourmaline crystals and elongated feldspar pods. Along the hanging wall is a fine-grained, 2-inch selvage of quartz and muscovite.

A few quartz pods as much as 4 inches thick lie along the center of the thinner parts of the mass contain a very poorly defined core of coarse quartz pods and blocky feldspar, in masses as much as 10 inches in size. This feldspar is microcline and is light gray to white in color. The feldspar near the borders of the pegmatite is chalky white and is predominantly plagioclase. This plagioclase is transected by veinlets of late gray quartz and fine grained green muscovite. Some of the quartz and microcline occurs

as coarse graphic granite.

The accessory minerals, in addition to the abundant black tourmaline, are garnet, biotite, apatite, beryl, pyrite, chalec-pyrite, gummite (?), calcite, and malachite. Tourmaline occurs in ruddy faced crystals as much as 8 inches long and 3 inches in diameter. The crystals are transected by veinlets of quartz. Fine-grained tourmaline also occurs with quartz in a sub-graphic intergrowth. Garnet and quartz occur in a similar intergrowth. Biotite is uncommon and is in thin books as much as 3 inches in diameter. Crystals of red brown garnet as much as 3/4 inches in diameter and crystals of bright green aptite are scattered sparsely throughout the pegmatite. Much of the garnet is associated with "nests" of bright green sericite.

An unusual pod of pegmatite was mined at the north end of the South Cut. The pod is reported to have been about 4 feet in diameter. Fragments of the pod remain on the dump from the cut. It consisted chiefly of euhedral garnets and granular apatite with beryl and pyrite. Chaleopyrite is also reported. The pyrite appears to have cystallized later than the garnet and beryl, and it is vuggy and granular. The secondary minerals calcite and malachite were also noted. The beryl is pale yellow green in color and occurs in crystals as much as 3 inches in diameter. Quartz veinlets cut across the crystals, which are coated by a selvage of fine-grained muscovite.

Small blebs of a bright yellow to bright green uranium (?) mineral were noted associated with muscovite.

The pegmatite bodies exposed in the North Workings are composed of a medium-grained aggregate of quartz, fledspar, muscovite, and tourmaline. The largest body (see map) contains quartz, and feldspar in a 1:1 ratio, scattered 1-inch crystals of garnet, crystals of balck tourmaline as much as 1 inches in diameter, and 1½ inch books of muscovite. A 2-inch slevage of small muscovite books occurs along the hanging-wall contact.

Diabase

The diabase, youngest rock in the area, occurs in a dike that strikes northwest and dips steeply to moderately southwest. The dike is well exposed in the North Cut. It ranges in thickness from 7 to 15 feet. Northwest of the North Cut the dike appears to split into two branches. The diabase is adense, greenish-black, fine-grained rock with a felted texture, and is composed dominantly of pyroxene.

Mica

Small flakes and books of micaoccur throughout all the exposed pegmatite bodies, but commercially important concentrations appear to be confined to the thicker pods of the main pegmatite. The best concentration of

books was seen at the south end of the North Cut, where 18 books averaging 5 inches in diameter were exposed.

Within the pods there does not appear to be any localization of the mica; books occur near the contacts as well as throughout the pods. The largest book seen was 10 inches in diamter.

The mica is generally hard and a very ligh amber in color. The pinclpal defects are a slight warping and abundant cracks. Flattened inclusions of tourmaline and quartz are abundant. "A" structure and reeves are very subordinate. The general quality of the mica id good.

Future possibilities

It appears that only the thicker pods of pegmatite can be mined at a profit. The future of the mine depends on both the number and extent of these pods. The pods are not continuous along the strike or downdip, and exploration for them will be difficult and largely haphazard. Underground methods must be adopted soon, for the overhang on the South Cut is as much as 14 feet.

IN REPLY REFER TO:

G-MD-DHK

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

January 2, 1952

Memorandum

REVIEW OF APPLICATION DMEA-2298

To: Non-metallic Minerals Division, Defense Minerals Exploration Administration
From: Donald H. Kupfer, U. S. Geological Survey
Commodity: Mica
Applicant: Arthur T. Anderson
Name of property: Amphlett Mica Mine.
Location of property: 4.3 miles S. 86° E. of Ball Ground, Cherokee County, Georgia.
Cost of project: $6,430.
Summary of applicant's proposal:

(1) Sink 100' inclined shaft along pegmatite.
(2) Drive two 50-foot drifts.

Sources of information on applicant's property:

(1) E. W. Heinrich, U.S.G.S., confidential reports (Nov. 1944 and Jan. 1945).
(2) U.S.B.M. R.I. 4239 (April 1948)
(3) Georgia Geol. Survey Bull. 48, p. 102, (1943).

Brief description of deposit:

Property consists of three separate prospects, of which the applicant is interested in the middle prospect. The middle prospect is a series of irregular pegmatite lenses and pods dipping 45° S.E. and exposed along a N.50E. strike length of 500 feet. Three cuts open the pegmatite. The southern cut is caved. The middle cut is now being worked by a 50-foot inclined shaft. The northern cut is the site of the proposed 100-foot shaft.

Additional information needed from field team

(1) Wouldn't it be better to continue to sink on the already developed shaft for 50 feet and then drift or,
(2) drift northeast (and possibly also southwest) from the base of the present shaft (50 to 100 feet) to prospect the extensions of the pegmatite and then sink the shaft another 50 feet if the results are favorable.

(3) The available reports, based on surface exposures, all indicated that the amount of "A" mica in the deposit was quite small. Yet development by the applicant appears to indicate that that the amount of "A" mica in the inclined shaft increases with depth. This occurrence of "A" mica should be noted and evaluated, and the occurrence of "A" mica in the other openings should be rechecked.

RECOMMENDATION: Send to field team.

Reasons for recommendation: The mine produced about 3 tons of sheet mica during World War II, and the U. S. Bureau of Mines drilling (R. I. 4239) indicates that the pegmatite may continue with depth. All available reports indicate that the deposit is small, but the mica of good quality.

Donald H. Kupfer

DHKupfer:jeh
G-1/2/52
copy to: Director's reading file 4212
Branch reading 4212
DMEA
Kupfer, G-228, GS Bldg.

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2298

Date received 12-19-51

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 1 9 1951

Name and address of applicant

Date 10/26/51

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Iron
   (*b*) What are the byproducts, if any? None
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts. 50 feet — Amphlett Iron Mine
   (*c*) Linear feet of tunnels or adits. None
   (*d*) Linear feet of other mine openings (explain briefly). None

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. Six miles [illegible], California, Co.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State. Cherokee County, Ca.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. Not operating.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor. Sub-lease.
5. Number of years in production 2 years 9 to 10 feet [illegible]
   If not in production or operation, estimated date when production will begin [illegible]
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

By Arthur T. Anderson
(Signature of authorized official)

(Name of company)

12/14/51
(Date)

(Title)

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—63792-1

Application for prospectors loan by
Ampliott Mica Mine,
Dallgrund, Cherokee County, Ga.

Arthur T. Anderson
Rt. 3
Farrington Road,
College Park, Ga.

12/14/51

1. Materials produced; Mica.
   (a) Muscovite Mica.
   (b) Mica.

2. Any last mining.
   (a) Since first of shaft 50 feet.
   (b) Outcrop and surface [illegible]
   (c) Surface [illegible] Pond.
   (d) Minor ft. of other mica specimens. The north cut has a penetration of approximately 15 to 1. The south cut has a penetration of 10 to 15. Very [illegible] has to be dried [illegible].
   Plenty of water in Pond, [illegible], water is so [illegible] and can be dug [illegible] at least 15 minutes per day with a [illegible].

3. The Ampliott Mica is located approximately six miles east of Canton, Ga. and is located in Cherokee County.
   (a)

4. Property not being operated at present.
   (a) Sub-lease.

5. [illegible] of years in production. [illegible] mine [illegible].
   Recreational [illegible] begin now and 60 days after receipt of contract.

6. I have been mining mica for the past years. I operated the Little Mica on [illegible] for the Mica Mining Co. of Atlanta, Ga. and spent approximately this past year on the Ampliott. I feel that I am capable of undertaking a venture of this sort. Also I have been in the mining and earth moving business for the past 6 years.

7. (a) Part of the history of the Ampliott Mine is written up by A.D. Parsons and Peyton [illegible]. Though in their book, Mica Mining Properties of Ga., Parsons, at that time a very small amount of work had been performed. Mr. Ampliott mined in 44 and 45 and produced between 25 and 30 thousand dollars worth of mica. He suspended operations on the last day that the Colonial Corp. stopped buying Mica. I would like to state here that the property was never in a large mined. It was rather to be spent grub-hoed and consequently is in very bad shape. Any entrances that were made by Mr. Ampliott were filled upon cavities that have at present completely caved and therefore are inaccessible. The south workings penetrated to a depth of approx. 50 ft. and the north workings penetrated to a depth of about 70 ft. The one shaft that he put down was about 40 ft deep. This I have increased to a depth of about 50 ft. and in doing so I have widened it considerably as it was too narrow. My reason for the cessation of operations was the 6 I encountered A structure Mica and the venture was not profitable. I would like to state further that about half of my time spent at the mine was devoted to cleaning and timbering the entrance and cleaning the muck out of the shaft itself.
   (b) The nearest Mica is the Geneva. Not familiar with production.
   (c) See attached report by Dr. Durham, assistant to Capt. Peyton Georgia State Geologist.

Application for prospectors loan by

Annlott Mica Mine,
Dalton and Cherokee County, Ga.

Arthur F. Anderson
Rt. 2
Washington Road,
College Park, Ga.

12/14/51.

Questions 8,9,10,11, 12 not applicable.

13. Six miles to Dalton. Dirt road, all-weather.

14. Motor supply on job.

15. Gasoline Edison compressor and winch.

16. Five men. Two miners, two helpers and one foreman.

17. Property has a small building. Can unable but needs some bing. Also a press. 100 feet of track rails and two buckets in usable condition.

DEPARTMENT OF MINES, MINING AND GEOLOGY
STATE DIVISION OF CONSERVATION

425 STATE CAPITOL
ATLANTA 3, GEORGIA

September 8, 1951

AMPHLETT MICA MINE

Visit of September 7, 1951, by A. S. Furcron

I visited this mine in Cherokee County yesterday with Mr. A. W. Amphlett, lessee, and Mr. A. T. Anderson, lessor. This statement should not be regarded as a report upon the mine, but more as a summary of a rapid inspection which was made at that time.

Mr. Anderson is having difficulty finding an adequate amount of pattern mica. First we went to the shed where he has a small amount of pattern mica but a considerable amount of wedge A, all of which he has obtained by lengthening the incline at the middle of the cut, a distance of about 10 feet beyond its former depth. We first examined the conditions at the middle cut. This incline was put down by Mr. Amphlett in a section of the vein which he states he regarded as rather barren because he did not wish to spoil good mica in making the incline. However, this is the place where Mr. Freeman made his first discovery of good mica, and it is the place that Mr. Teague and I first visited Mr. Amphlett prior to the time the vein was prospected. Mr. Anderson washed the walls in places along the incline on both sides, and I had a very good opportunity to examine this vein all the way down. The vein or dike is contained between very definite walls of mica gneiss, maintains a definite continuous dip, pinches and swells, averaging about four feet in thickness.

I was unable to discover any change in the mineral character of the vein from top to bottom where white feldspar, quartz, tourmaline, garnet patches and mica maintain the general consistency of character. Pattern, wedge A, green and spotted A, ribbon and ruled books can be picked from the sides of the vein from top to bottom; in some cases practically all these features can be found in a single book. Mr. Anderson's problem is simply this. He is not getting nearly enough pattern, as contrasted with the other types, to stay out of the red.

We next went to the south cut where there has been a failure of the hanging wall. This failure is produced by lateral movement along joint planes which cross cut the southeastward dipping foliation, wherein the upper weathered rock above the hanging wall has slid downward upon the vein. It would cost a good deal of money to clear out this opening from which Mr. Amphlett states a large amount of good flat mica was obtained. On the north wall of the opening the vein may be seen where it is from 10 to 14 inches thick, and where it contains good flat mica books. However, just northeast of this point the mica is poor and of the wedge A type, and Mr. Amphlett states that he removed some wedge A just southwest of the entrance to the middle cut.

The vein is exposed also on the north side of the diabase dike where it is perhaps a foot thick, but does not seem to contain any mica.

At the northeast end of the workings, as may be seen in figure 5 of R. I. 4239 by Beck, the vein takes a bend. At this place it can be seen to be 6 to 8 inches thick, containing small mica.

A. S. Furcron
Assistant State Geologist

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. DMEA-2298
Metal or Mineral
Date Received 12-19-51
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 1 9 1951

Name and address of applicant

Arthur L. Anderson
No. 8
Washington Road,
College Park, Ga.

Date 12/14/51.

If you have already filed MF-100, give date filed 12/14/51., type of assistance requested Purchase Loan.

DMA Docket Number (if available)

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO-5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

(Name of company)

By Arthur T. Anderson
(Signature of authorized official)

12/14/51
(Date)

(Title)

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—64067-2

Applic tion for prospectors loan by

Ambolett-Mica Mine,
Ballground, Cherokee County, Ga.

Arthur F. Anderson
Rt.2
Washington Road,
College Park, Ga.
12/14/51

1. (a), (b) & (c) See attached lease, both areas some landlord Subordination Agreement will be obtained and submitted at a later date.

2. (a) The mineral I expect to find is Mica.
(b) I have one set of maps of the Ambolett mine plus the legal and the diamond drill holes, however I am not sending them because they were made by the Bureau of Mines and therefore are accessable to you.

Application for prospectors loan by

Applbott Mica Mine,
Ballground, Cherokee County, Ga.

Arthur T. Anderson
Rt.3
Washington Road,
College Park, Ga.
12/10/41.

8. (c) I propose to sink a new shaft at the North end of the workings and head directly for drill holes #'s 304 following the pegmatite all the way on approx. a 45 degree slope. I propose to sink a shaft about 6 by 12 ft. (inside) to a depth of 140 ft. and then launch out into a lateral, 50 ft. each way.

I have operated Mica also operated 2 years, this past summer but was forced to quit as the Mica obtained was not of a good quality. In other words, the Mica was predominately (A) structure. You will note in my letter that I am confined to a certain area and required to perform a certain amount of work in a given direction. You will also note that I have had an additional experience (which is attached to the letter) with Mr. Applbott whereby I am permitted to sink a new shaft at my discretion. This permission was granted after he encountered the (A) structure in the original shaft.

It has been stated that to me that the Applbott Mine cannot be considered as a prospect. Actually this was true and perhaps still is. This claim is substantiated by the 4 Diamond Drill holes put down and taken dailled by the Bureau of Mines. It is my opinion and frankly my hope since the (A) structure has been encountered that the property can be registered as a prospect rather than a mine. Further, the property is in terrible condition due primarily to poor mining methods. All workings are badly caved and inaccessible with the exception of the one shaft. It is in excellent condition due to the work I performed this summer.

My main reasons for locating the new shaft at the spot I have chosen are that accessibility is good and also Mr. Applbott states that he obtained very good Mica from this area.

Total cost of the project will be - ~~$ [illegible]~~ $6430.00

(D) Time to ~~complete the project~~ required to start the project not over 60 days.

Estimated time to complete the project 6 months.

Application for prospectors loan by

Amphlett Mica Mine,
Dallground, Cherokee County, Ga.

Arthur S. Anderson
Rt. 3
Washington Road,
College Park, Ga.

4. See Sketch.

5. Existing facilities are 2 sheds. One not usable. The other needs new paper on the roof. Estimated cost $85.00.
Approximately 100 ft. of car rails and 1 homemade skip. Usable

6. [illegible] approx. 12x12 ft. to house the winch or hoist and hand forge [illegible] at one end. Estimated cost $ 150.00

7. (a) Rented equipment.

1-100 Air-compressor	Rate per month	$ 175.00	
1-Single Drum Hoist	" " "	75.00	Total for 4 month period.
1-Air Hammer or Drill with wet head and Jack with column & arm	" " "	85.00	
1-Air Pump with hose	" " "	40.00	
	Total	$ 375.00	$ 1500.00

. Labor.

2-Miners	Rate per Hour	$ 1.25	per day	$ 20.00
2-Laborers	" " "	1.00	" "	16.00
1-Foreman	" " "	1.50	" "	12.00
		Total		48.00

Total labor cost per week ~~[illegible]~~ $ 240.00
Labor cost for 10 weeks ~~[illegible]~~ $ 2400.00

9. Gas, oil and grease Est. per month $ 100.00 4 months $ 400.00
60 ft. of Jack hammer hose Est. $ 1.00 per ft. 60.00
100 ft. of 1" galvanized pipe Est. 30¢ " " 30.00
1 hand forge with blower Est. $25.00
300 ft. 3/8" wire cable 20¢ per ft. 60.00
Small tools hammers, picks, shovels, forks etc. $30.00
Social Security, Workmen's Compensation and general bookkeeping
Est. per month $ [illegible] 4 mo. 350.00
(orkmens Compensation per yr. 150.00
Total cost of project 6450.00

10. (a) ~~$[illegible]~~ $ 643.00
(b) yes.
11. None.

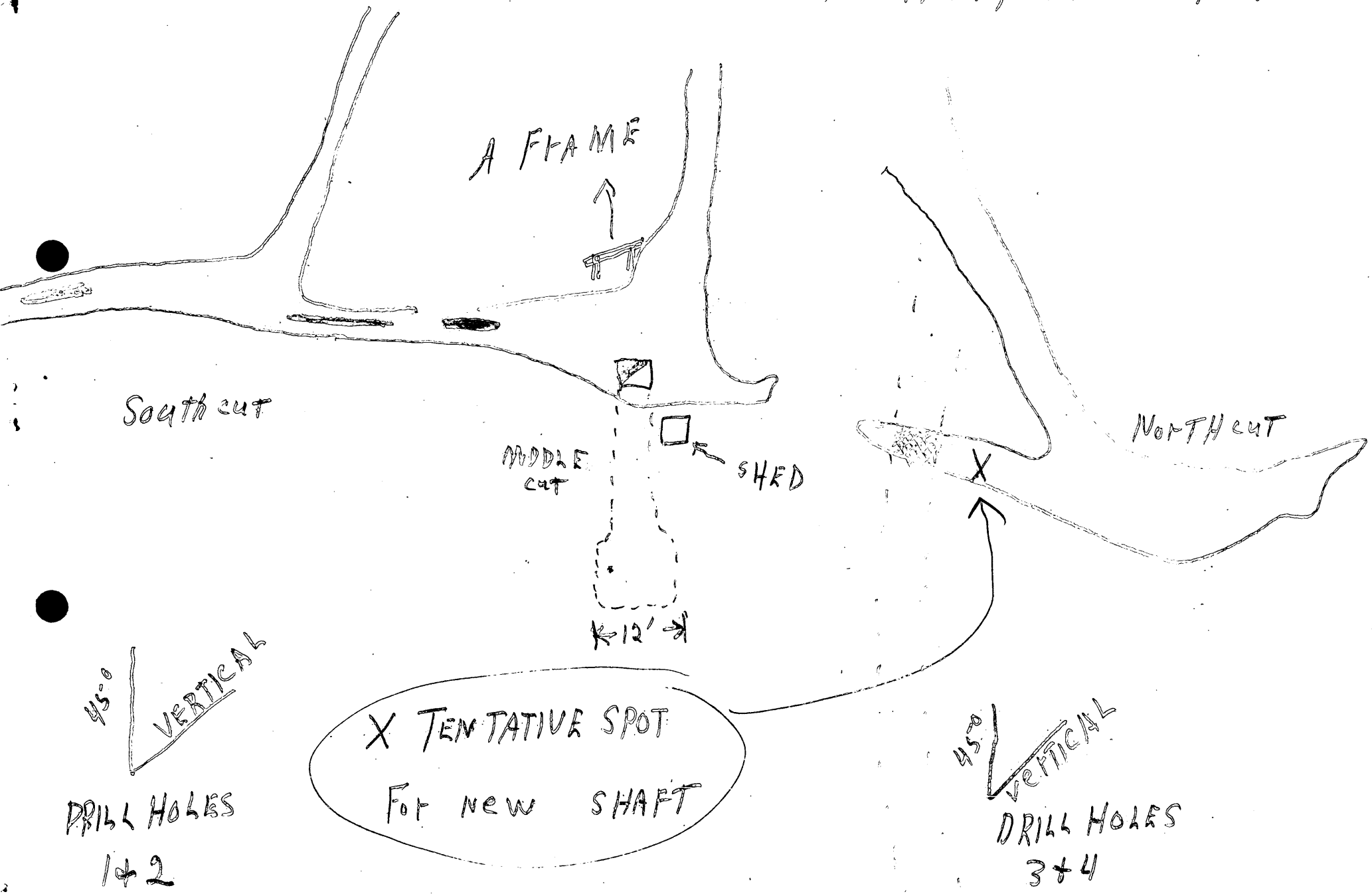
643
5787

Dynamite + Exploders - $600.00
Small tools, supplies, etc - $150.00
Insurance - $300.00
Social security, etc - $160.00

SKETCH OF AMPHLETT MICA MINE BY
BALLGROUND, CHEROKEE COUNTY, GA.

ARTHUR T. ANDERSON
RT. 2, WASHINGTON RD.,
COLLEGE PARK, GA.

12/14/51



Defense Minerals Exploration Administration

Review of Application for Exploration Assistance

Docket No. DMEA 2298

Commodity Mica

Total Amount $6,430.00

Govt. Participation 90%

1. Name and Address of Applicant Arthur T. Anderson
Rte 2, Washington Road, College Park, Ga.

2. Location of Property Amphlett Mica Mine 4.3 miles
S 86° E of Ballground, Cherokee Co, Ga.

3. Mineral or metal Mica Is it listed in Section 9 of MO-5? Yes

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good Past reports of the Federal Geol. Survey

b) Poor

c) None

d) Don't know—needs field examination ✓

e) Is there an alternative and favorable project? Could be
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? No
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? Sublease
Need copy of lease from owner to lessee

Does the lease have sufficient time to run to cover a future productive period? Questionable - To be checked

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes from Lessor and Sublessor

a) MF-201? Do not know

b) MF-202 yes - Two sets 17 copies each

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower _____

b) Equipment and supplies _____
(question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* OK

d) Water (question 13)* _____

e) Power (question 13)* OK

Is a field check needed on any of these points? Yes

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* _____

Is a field check needed on this point? Yes

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? Yes

If not, are there sufficient data given so that you can describe the project? _____ If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? Should be checked in field - no scale.

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? Yes

If not, what part of it is? _____

Is this part a worthwhile exploration project? Yes - Field check

d) Are the cost estimates detailed? Yes

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? _____ If so, attach a draft.

e) Are the cost estimates reasonable? Perhaps too low

f) Should more information be requested from applicant? No

g) Is a field examination necessary to complete Exhibit A? Yes

11. Exhibit B (question 23-d)*

a) Is it applicable? _____

b) If so, are sufficient data furnished? _____ If so, attach a draft.

c) Is a field check needed? _____

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? _____

b) Sufficient data? _____ If so, attach a draft.

c) Are rents and charges reasonable? _____

d) Is a field check needed? _____

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? Yes

b) Is the schedule adequate for the work proposed? Yes

c) Is the schedule excessive for the work proposed? No

d) Are the proposed wages and salaries reasonable? Yes

e) Is a field check needed? No

14. Exhibit E (question 23-c)*

a) Is it applicable? _____

b) Sufficient data? _____

c) Reasonable? _____

d) Field check needed? _____

15. In your judgment, can the proposed work be done in the proposed time? Yes

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Would program be improved by deepening the present shaft 50' and drifting from there?
Or drift from present shaft bottom first and sink another 50' if results of upper drifts are favorable?
Check proportion of "A" mica in new as well as old workings.
Set up a recommended project - in stages, if advisable.
Costs should be set up under headings as follows:
Fixtures & improvements
Operating equipment
Rented
Purchased
Furnished by operator
Labor and supervision
Rehabilitation and repairs
Operating expenses & supplies

Reviewed by: Steiler

Date 1/21/52

9/682

FILE COPY
SURNAME:

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

600

APR 15

S Feitler
Hoyt
Hoffman
Fa Jones

Mr. Arthur T. Anderson
Box 2
Washington Road
College Park, Georgia

Subject: Docket No. DMEA-2298 - Mica
Amphlett Mica Mine
Cherokee County, Georgia

Dear Mr. Anderson:

This is to acknowledge your letter of March 31, 1952, withdrawing the subject application.

If you and Mr. Amphlett wish to proceed as partners to explore this mine, you should submit a complete new application.

In regard to your question concerning the Landlord's Subordination, Section 10 of DMEA Order 1, (which is enclosed), explains about repayment by the Operator. A Landlord's Subordination Agreement is not necessary, if the Operator can demonstrate that he is personally able to make any payments that may become due to the Government under Section 10 of DMEA Order 1.

Sincerely yours,

4/15

(signed) FRANK E. JOHNSON

for Acting Administrator
Defense Minerals Exploration
Administration

Enclosure - 1

SAFeitler:mp 4/7/52
cc: Docket File
Adm. Reading File
Field Team, Region VII (2)
Mr. Dietrich, 3526
Mr. Norton, G-232, GSA Bldg.
Mr. Houk
Mr. A. W. Amphlett
11 Hunter Street, Atlanta, Georgia

Arthur T. Anderson
Rt. 2
Washington Road,
College Park, Ga.
3/31/52.

Lawrence G. Houk,
Non-Metallic Minerals Division,
Defense Minerals Exploration Adm.

Subject: Docket No. DMEA-2298
Amphlett Mica Mine
Cherokee County, Ga.

Dear Sir;

I received your letter dated March 19th where-in you inquire as to the present status of my sub-lease on the Amphlett Mica Mine. I must apologize for not being more prompt, however, I was unable to give you a clear concise answer.

I now can inform you that I have voluntarily relinquished my lease to Mr. Amphlett and therefore must of necessity withdraw my application. I have been unable to live up to the terms of the lease and therefore it has expired.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 2 - 1952

Mr Amphlett and I are considering the possibility of forming a partnership and please advise me what proceedure will be necessary for us to obtain the loan as a partnership.

Further it is my understanding that the loan can be obtained without the Landlord's Subordination Agreement if the person or persons obtaining the loan guarantee to repay the loan to the government. Please clarify this for me.

Sincerely yours,

Arthur T. Anderson

Please Note,

I am enclosing this in Mr Amphletts Letter.

A.T.A.

A. W. Amphlett
11 Hunter St.,
Atlanta, Ga.

Lawrence G. Houk,
Non-Metallic Division,
Defense Minerals Exploration Adm.

Dear Sir;

I have been discussing with Mr. Anderson a possible partnership with the intention of accepting a government loan similar to the one drawn up in Andersons favor on the Amphlett Mica Mine. On examination of Landlord's Subordination Agreement, I am satisfied there is no possibility whatsoever that the owners will sign said agreement.

This therefore means that neither I or anyone else can avail ourselves of the opportunity to take any assistance from the government.

In conclusion I beg to say the whole of the Landlords property is under option expiring July 3rd 1954. On or before that date the holders of the option have the right to call for a deed before July 3rd, 1954, on any day they choose to ask for same, on producing the cash required under the terms of the option.

If the landlord's Subordination Agreement is a must requirement with no alternative, then so far as we now know it will be useless for us to apply for any government assistance.

Sincerely yours,

A W Amphlett

FILE COPY
SURNAME:

Hoffland

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

MAR 1952

Memorandum

To: Executive Officer, DMEA Field Team, Region VII

From: Chairman, Operating Committee

Subject: DMEA-2298, Arthur T. Anderson. Amphlett Mica Mine, Georgia

Receipt is acknowledged of your memorandum of March 12, 1952 stating that Mr. Amphlett has refused to sign subordination agreements for Mr. Anderson on the above mentioned application.

It is only in exceptional cases where we accept personal guarantee by the applicant in lieu of a subordination agreement. In cases where it is not possible to obtain a subordination, a statement of financial responsibility of the applicant should be submitted. This statement should contain his assets and liabilities, and income. The new contract contains the necessary statements that may be accepted in lieu of subordination agreements.

(signed) FRANK E. JOHNSON

(JB)

Chairman, Operating Committee
Defense Minerals Exploration
Administration

Approved:

J. H. Hedges (JB)
For Bureau of Mines

T. P. Thayer (JB)
For Geological Survey

LGHouk:gad 3/18/52
Copy to: Admin. Reading File
Docket File
Mr. Norton, G-232, GSA Bldg.
Mr. Dietrich, 3526
Operating Committee
Mr. Hofflund
Mr. Houk

FILE COPY
SURNAME:

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

MAR 19 1952

SAFeitler
Mitt

Mr. Arthur T. Anderson
Route 2
Washington Road
College Park, Georgia

Subject: Docket No. DMEA-2298
Amphlett Mica Mine
Cherokee County, Georgia

Dear Mr. Anderson:

Mr. William A. Beck of the United States Bureau of Mines has been told by Mr. Amphlett that your lease on the above mine has been terminated. To be eligible for an exploration loan, an applicant must either own the land or have a suitable lease (or sublease) in good standing.

If you no longer have a lease on the Amphlett Mine, it would be proper for you to write a letter to this office withdrawing your application and explaining that this action is necessary because your lease has been terminated.

If your lease is in good standing, please advise us so we can go ahead with the processing of your application.

Sincerely yours,

ce 3/19

Lawrence G. Houk, Chief
Non-Metallic Minerals Division
Defense Minerals Exploration
Administration

SAFeitler:gad 3/18/52

Copy to: Admin. Reading File
Docket File
Mr. Norton, G-232 GSA Bldg.
Mr. Dietrich, 3526
Mr. Houk

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

Room 13, Post Office Building
Knoxville, Tennessee

March 12, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA

From: Robert A. Laurence, Executive Officer, DMEA, Region VII

Subject: DMEA-2298, Arthur T. Anderson. Amphlett Mica Mine, Georgia.

On February 12, we submitted field examination report recommending approval of contract for $7520 on the subject application.

Mr. Anderson now writes that Mr. Amphlett, from whom he is subleasing, refuses to sign the Landlord's Subordination Agreement. Can this be approved, if applicant provides a quaranty in place of the usual subordination agreement? If so, will you please provide us with the proper form of such a quaranty which we can send to the applicant for his signature?

Robert A. Laurence

Robert A. Laurence

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 14 1952

IN REPLY REFER TO:
G-MD-DHK

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

March 11, 1952

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2298 (mica)

To: Non-Metallic Minerals Division, DMEA. Attn: L. Houk.
From: D. H. Kupfer, U. S. Geological Survey.
Commodity: Mica.
Applicant: Arthur T. Anderson.
Name of property: Amphlett Mine, Cherokee County, Georgia.
Location of property: 4 miles east of Ball Ground.
Field team's recommendation: Deepen the inclined shaft of the Middle Cut to a depth of 85 feet and drift southwestward to the shoot in the South Cut.
Estimated cost: $7,520.
Comments: None

ACTION SUGGESTED:
Follow field team's recommendations.

Donald H. Kupfer

Donald H. Kupfer

IN REPLY REFER TO:

G-MD-DHK

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

March 11, 1952

Memorandum

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Field team's recommendation: Deepen the inclined shaft of the Middle Cut to a depth of 85 feet and drift southwestward to the shoot in the South Cut.
Estimated cost: $7,520.
Comments: None

ACTION SUGGESTED:
Follow field team's recommendations.

Donald H. Kupfer

Copy to: Director's Reading, 4212
Branch, 4212
DMA File
Mr. Kupfer

DHKupfer:edf

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

Room 13, Post Office Building
Knoxville, Tennessee

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 5 1952

March 3, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee

From: Field Team, DMEA - Region VII

Subject: DMEA-2298, Arthur T. Anderson (mica)

Transmitted herewith are 4 copies of field examination report on the subject docket.

The Field Team agrees with the recommendation that a contract for $7500 be approved for this project.

The application, review, and related papers are returned herewith.

Robert A. Laurence
Robert A. Laurence, Executive Officer
DMEA- Region VII

Wm. A. Beck
Wm. A. Beck, for V. J. Lynch
U. S. Bureau of Mines

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

ON

THE AMPHLETT MINE, DMEA-2298 (mica)
Cherokee County, Georgia

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 5 1952

By

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

J. H. O'Neill, Mining Engineer
U. S. Bureau of Mines

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

February 12, 1952

Reviewed by
DMEA OPERATING COMMITTEE
3-7-52
(date) (WB)

Field Team Report on

THE AMPHLETT MINE, Cherokee County, Ga.

DMEA-2298 (mica)

This mine, located 4.3 miles airline S.86° E of Ball Ground, Cherokee County, Georgia, was mapped and described in 1944 by the U. S. Geological Survey (copy of report attached).

During the summer of 1951, Arthur T. Anderson of College Park, Georgia, the Applicant, widened the incline in the "Middle Cut" to 12 feet and deepened it 10 feet. The incline is now about 50 feet long. The pegmatite as exposed in the incline ranges in thickness from 18 inches to 5 feet, averaging 3.5 feet thick. Mica exposed in the incline varies greatly in quality. Much of it is "A" and"wedge-A" and contains spots. Some books of clear, flat, light ruby mica are exposed. According to Anderson about 800 pounds of flat block mica was obtained during the recent work.

Both the "South Cut" and "North Cut" are badly slumped and caved, no pegmatite can be seen in them.

It would appear that when the deposit was actively mined by Amphlett during World War II, the greatest production came from a "shoot" in the "South Cut." This "shoot" rakes about 35° N.E. Anderson did no work in the "South Cut," and further work from the surface from this place would endanger the lives of the workmen.

The Field Team believes that the best opportunity to discover additional commercial mica in this pegmatite is to explore the possible down plunge extension of the "shoot" worked from the "South Cut." The most effective method of exploring this possibility is to change the alignment of the "Middle Cut" incline slightly to approximately S. 30' E and sink it to a depth of 85 feet on the incline. A drift should than be driven southwestward along the pegmatite for approximately 60 feet to cut the possible downward extension of the "South Cut" shoot (see attached map). There is a possibility that additional "shoots" rich in strategic mica may be cut by the incline and drift.

Examined Feb. 12, 1952
Examiners: Wm. A. Beck, USBM
J. H. O'Neill, USBM
K. H. Teague, USGS

Estimated Cost of Project

Facilities (12' x 12')Hoist house and Blacksmith shop--	$ 150.00
Equipment rental	1420.00
Supplies - including explosives	1330.00
Labor and Supervision	4160.00
Miscellaneous expense, insurance, office	460.00
	$7520.00

Fixtures and Improvements

1 - 12' x 12' frame hoist house and blacksmith ship to be constructed by operator ------ $ 150.00

Operating Equipment

To be rented

1 - 105 Portable air compressor @ $175/mo.	700.00
1 - Single drum hoist @ $75/mo. 4 months	300.00
1 - Air drill with set head and column and arm @ $65/mo. 4 months	260.00
1 - Air pump with suction and discharge hose @ $40/mo. 4 months	160.00
	$1420.00

To be Purchased:

Gasoline, Oil and grease	$ 400.00	
Drill steel - 80 ft. @ $1/ft.....	80.00	
1 1/4 " pipe, 100 ft @ 30¢ per ft....	30.00	
1/2" wire cable, 200 ft. @ 20¢ per ft.	40.00	
1 - Hand forge with blower.....	30.00	
Explosives	600.00	
Tools, supplies, etc.....	150.00	
Total cost (estimated)		$1330.00

Labor and Supervision

1 - Working foreman, 80 days @ $1.50/hr.	$960.00	
1 - Hoistman-blacksmith, 80 days, @ $1.50/hr.....	960.00	
1 - Miner, 80 days, @ $1.50/hr.....	960.00	
1 - Miner's helper @ $1/hr. 80 days....	640.00	
1 - Laborer, 80 days @ $1/hr.....	640.00	
Total Cost (estimated)		$4160.00

Rehabilitation and Repairs

None

5/21/52

5/20/52

Report on Amphlett Mine
by E. Wm. Heinrich
Nov. 1944

Abstracted and given
to Hugh Keiser for
M. Kleine.

also - map SF

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 5 1952

Docket No. DMEA-2298

Commodity Mica

Total Amount $6,430.00

Govt. Participation 90%

1. Name and Address of Applicant Arthur T. Anderson

Route 2, Washington Road, College Park, Georgia

2. Location of Property Amphlett Mica Mine 4.3 miles S 86°E of Ballground,

Cherokee County, Georgia.

3. Mineral or metal Mica Is it listed in Section 9 of MO-5? yes

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good Past reports of the Federal Geological Survey

b) Poor

c) None

d) Don't know—needs field examination x

e) Is there an alternative and favorable project? Could be
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? No
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? Sub-leasee
Need copy of lease from owner to lessee.

Does the lease have sufficient time to run to cover a future

productive period? Questionable - To be checked.

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes from Lessor and Sub-Lessor

a) MF-201? Do not know.

b) MF-202 Yes - two sets, 7 copies each

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower _____

b) Equipment and supplies _____
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Ok

d) Water (question 13)* _____

e) Power (question 13)* Ok

Is a field check needed on any of these points? Yes

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* _____

Is a field check needed on this point? Yes

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? Yes

If not, are there sufficient data given so that you can describe the project? _____ If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? Should be checked in field - no scale.

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? Yes

If not, what part of it is? _____

Is this part a worth-while exploration project? Yes - Field check

d) Are the cost estimates detailed? Yes

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? _____ If so, attach a draft.

e) Are the cost estimates reasonable? Perhaps too low

f) Should more information be requested from applicant? No

g) Is a field examination necessary to complete Exhibit A? Yes

11. Exhibit B (question 23-d)*

a) Is it applicable? _____

b) If so, are sufficient data furnished? _____ If so, attach a draft.

c) Is a field check needed? _____

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? _____

b) Sufficient data? _____ If so, attach a draft.

c) Are rents and charges reasonable? _____

d) Is a field check needed? _____

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? Yes

b) Is the schedule adequate for the work proposed? Yes

c) Is the schedule excessive for the work proposed? No

d) Are the proposed wages and salaries reasonable? Yes

e) Is a field check needed? No

14. Exhibit E (question 23-c)*

a) Is it applicable? _____

b) Sufficient data? _____

c) Reasonable? _____

d) Field check needed? _____

15. In your judgment, can the proposed work be done in the proposed time? Yes

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Would program be improved by deepening the present shaft 50' and drifting from there?
Or drift from present shaft bottom first and sink another 50' if results of upper drifts are favorable?
Check proportion of "A" mica in new as well as old workings. Set up a recommended project - in stages, if advisable. Costs should be set up under headings as follows: Fixture and improvements, Operating Equipment, Rented, Purchased, Furnished by Operator, Labor and Supervision, Rehabilitation and Repairs, Operating Expenses & Supplies.

Reviewed by: S. A. Feitler
S. A. Feitler

Date January 21, 1952

FILE COPY
SURNAME:

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

110

JAN 29 1952

Mr. Arthur T. Anderson
Route 2, Washington Road
College Park, Georgia

Re: Docket No. DMEA-2298
Amphlett Mica Mine

My dear Mr. Anderson:

Your application for assistance in exploring the Amphlett Mica Mine located in Cherokee County, Georgia, Docket No. DMEA-2298, has been reviewed by the Non-Metallic Minerals Division of the Defense Minerals Exploration Administration and has been referred to Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region VII, Room 13, Post Office Building, Knoxville 01, Tennessee, for a field examination.

The Regional office will contact you at the earliest opportunity in regard to your project.

Sincerely yours,

1-29-52

C. O. Mittendorf (for)

Acting Administrator
Defense Minerals Exploration
Administration

COMittendorf/hb

Copy to: Adm. Reading File
✓Docket File
Mr. Houk
W. F. Dietrich, Rm. 3526
J. J. Norton, Rm. G-228 GSA Bldg.
Region VII

FILE COPY
SURNAME:

S Feitler
Houk
Mitt

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

January 22, 1952

Mr. Robert A. Laurence
Executive Officer
DMEA Field Team, Region VII
Room 13, Post Office Building
Knoxville 1, Tennessee

Dear Mr. Laurence:

We enclose "Review of Application for Exploration Assistance" on:

Arthur T. Anderson
Docket No. DMEA-2298
Commodity: Mica
Amount $6,430

Please expedite the consideration of this application with particular reference to the points raised in the enclosed "Review".

Sincerely yours,

CC 1-29-52

(Signed) FRANK E. JOHNSON JWB
Chairman, Operating Committee
Defense Minerals Exploration
Administration

Enclosure

Approved:

For Bureau of Mines JWB

J P Thayer
For Geological Survey JWB

SVFeitler:gad
Copy to: Admin. Reading File
Docket File
Mr. Houk
Mr. W. F. Dietrich, 3526
Mr. J. J. Norton, Rm. G-228 GSA Bldg.

DEPARTMENT OF THE INTERIOR
REFER TO:
Defense Minerals Administration
RECEIVED G-MD-DHK
JAN 3 1952

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

January 2, 1952

Memorandum

REVIEW OF APPLICATION DMEA-2298

To: Non-metallic Minerals Division, Defense Minerals Exploration Administration
From: Donald H. Kupfer, U. S. Geological Survey
Commodity: Mica
Applicant: Arthur T. Anderson
Name of property: Amphlett Mica Mine.
Location of property: 4.3 miles S. 86° E. of Ball Ground, Cherokee County, Georgia.
Cost of project: $6,430.
Summary of applicant's proposal:

(1) Sink 100' inclined shaft along pegmatite.
(2) Drive two 50-foot drifts.

Sources of information on applicant's property:

(1) E. W. Heinrich, U.S.G.S., confidential reports (Nov. 1944 and Jan. 1945).
(2) U.S.B.M. R.I. 4239 (April 1948)
(3) Georgia Geol. Survey Bull. 48, p. 102, (1943).

Brief description of deposit:

Property consists of three separate prospects, of which the applicant is interested in the middle prospect. The middle prospect is a series of irregular pegmatite lenses and pods dipping 45° S.E. and exposed along a N.50E. strike length of 500 feet. Three cuts open the pegmatite. The southern cut is caved. The middle cut is now being worked by a 50-foot inclined shaft. The northern cut is the site of the proposed 100-foot shaft.

Additional information needed from field team

(1) Wouldn't it be better to continue to sink on the already developed shaft for 50 feet and then drift or,
(2) drift northeast (and possibly also southwest) from the base of the present shaft (50 to 100 feet) to prospect the extensions of the pegmatite and then sink the shaft another 50 feet if the results are favorable.

(3) The available reports, based on surface exposures, all indicated that the amount of "A" mica in the deposit was quite small. Yet development by the applicant appears to indicate that that the amount of "A" mica in the inclined shaft increases with depth. This occurrence of "A" mica should be noted and evaluated, and the occurrence of "A" mica in the other openings should be rechecked.

RECOMMENDATION: Send to field team.

Reasons for recommendation: The mine produced about 3 tons of sheet mica during World War II, and the U. S. Bureau of Mines drilling (R. I. 4239) indicates that the pegmatite may continue with depth, All available reports indicate that the deposit is small, but the mica of good quality.

Donald H. Kupfer

Donald H. Kupfer

EXPLORATION

Subject: DMEA-2298
Re: Exploration Loan
Amphlett Mica Mine

Mr. Arthur T. Anderson
Route 2
Washington Road
College Park, Georgia

My dear Mr. Anderson:

This will acknowledge receipt of your application dated December 14, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2298 and referred to the Non-Metallics Division.

Kindly refer to DMEA-2298 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Acting Administrative Officer

7862

OFFICE OF THE ADMINISTRATOR

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

DMEA-2298

Room 13, Post Office Building
Knoxville, Tennessee

December 17, 1951

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee

From: Executive Officer, DMEA

Subject: MF-103, Arthur T. Anderson (Amphlett Mica Mine)

Enclosed herewith are 4 copies of application forms received from Arthur T. Anderson, for an exploration contract. The application appears to be in good shape and therefore is transmitted to you for docketing and review. The Geological Survey and Bureau of Mines files in Washington contain reports on the Amphlett Mine.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 19 1951

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. DMEA-2298
Metal or Mineral
Date Received 12-19-51
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 1 9 1951

Name and address of applicant

Arthur T. Anderson
Rt. 2
Washington Road,
College Park, Ga.

Date 12/14/51.

If you have already filed MF-100, give date filed 12/14/51., type of assistance requested Prospectors Loan.

DMA Docket Number (if available)

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

(Name of company)

By Arthur T. Anderson
(Signature of authorized official)

12/14/51
(Date)

(Title)

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—64067-2

Application for prospectors loan by

Amphlett Mica Mine,
Ballground, Cherokee County, Ga.

Arthur T. Anderson
Rt.2
Washington Road,
College Park, Ga.
12/14/51

1. (a), (b) & (c) See attached lease, both areas same Landlord Subordination Agreement will be obtained and submitted at a later date.

2. (a) The mineral I expect to find is Mica.
(b) I have one set of maps of the Amphlett mine plus the logs ont the diamond drill holes, however I am not sending them because they were made by the Bureau of Mines and therefore are accessable to you.

Application for prospectors loan by

Amphlett Mica Mine,
Ballground, Cherokee County, Ga.

Arthur T. Anderson
Rt.2
Washington Road,
College Park, Ga.
12/14/51.

3. (a) I propose to sink a new shaft at the North end of the workings and head directly for drill holes #'s 3&4 following the pegmatite all the way on approx. a 45 degree slopel I propose to sink a shaft about 6 by 10 ft. (minimum) to a depth of 100 ft. and then branch out laterally both ways, 50 ft. each wqay.

I have operated this mine approximately 2 months this past summer but was forced to quit as the Mica obtained was not of a good quality. In other words, the Mica was predominately (A) structure. You will note in my lease that I am confined to a certain area and required to perform a certain amount of work in a given dorection. You will also note that I have had an additional agreement (which is attached to the lease) with Mr. Amphlett where-in I am permitted to start a new shaft at my discretion. This permission was granted after we encountered the (A) structure in the original shaft.

It has been pointed out to me that the Amphlett Mine cannot be considered as a prospect. Actually this was true and perhaps still is. This claim is substantiated by the 4 Diamond Drill test holes that were drilled by The Bureau of Mines. It is my opinion and frankly my hope since the (A) structure has been encountered that the property can be reclassed as a prospect rather than a mine. Further, the property is in terrible condition due primarily to poor mining methods. All workings are badly caved and inaccessable with the exception of the one shaft. It is in excellent condition due to the work I performed this summer.

My main reasons for locating the new shaft at the spot I have chosen are that accessability is good and also Mr. Amphlett states that he obtained very good Mica from this area.

Total cost of the project will be - $ ~~[illegible]~~ 6430.00

(B) Time ~~to start the project~~ required to start the project not over 60 days.

Estimated time to complete the project 4 months.

Application for prospectors loan by

Amphlett Mica Mine,
Ballground, Cherokee County, Ga.

Arthur T. Anderson
Rt. 2
Washington Road,
College Park, Ga.

4. See Sketch.

5. Existing facilities are 2 sheds. One not usable. The other needs new paper on the roof. Estimated cost $25.00.
Approximately 100 ft. of car rails and 1 homemade skip. Usable

6. One shed approx. 12x12 ft. to house the Winch or hoist and hand forge open at one end. Estimated cost $ 150.00

7. (a) Rented equipment.

1-105 Air-compressor	Rate per month	$ 175.00	
1-Single Drum Hoist	" " "	75.00	Total for 4 month period.
1-Air Hammer or Drill with wet head and Jack	" " "	65.00	
1-Air Pump with Hose	" " "	40.00	
	Total	$ 355.00	$ 1420.00

8. Labor.

2-Miners	Rate per Hour	$ 1.25	Per day	$ 20.00
2-Laborers	" " "	1.00	" "	16.00
1-Foreman	" " "	1.50	" "	12.00
		Total		$ 48.00

Total labor cost per week $ 240.00
Labor cost for 16 weeks $ 3840.00

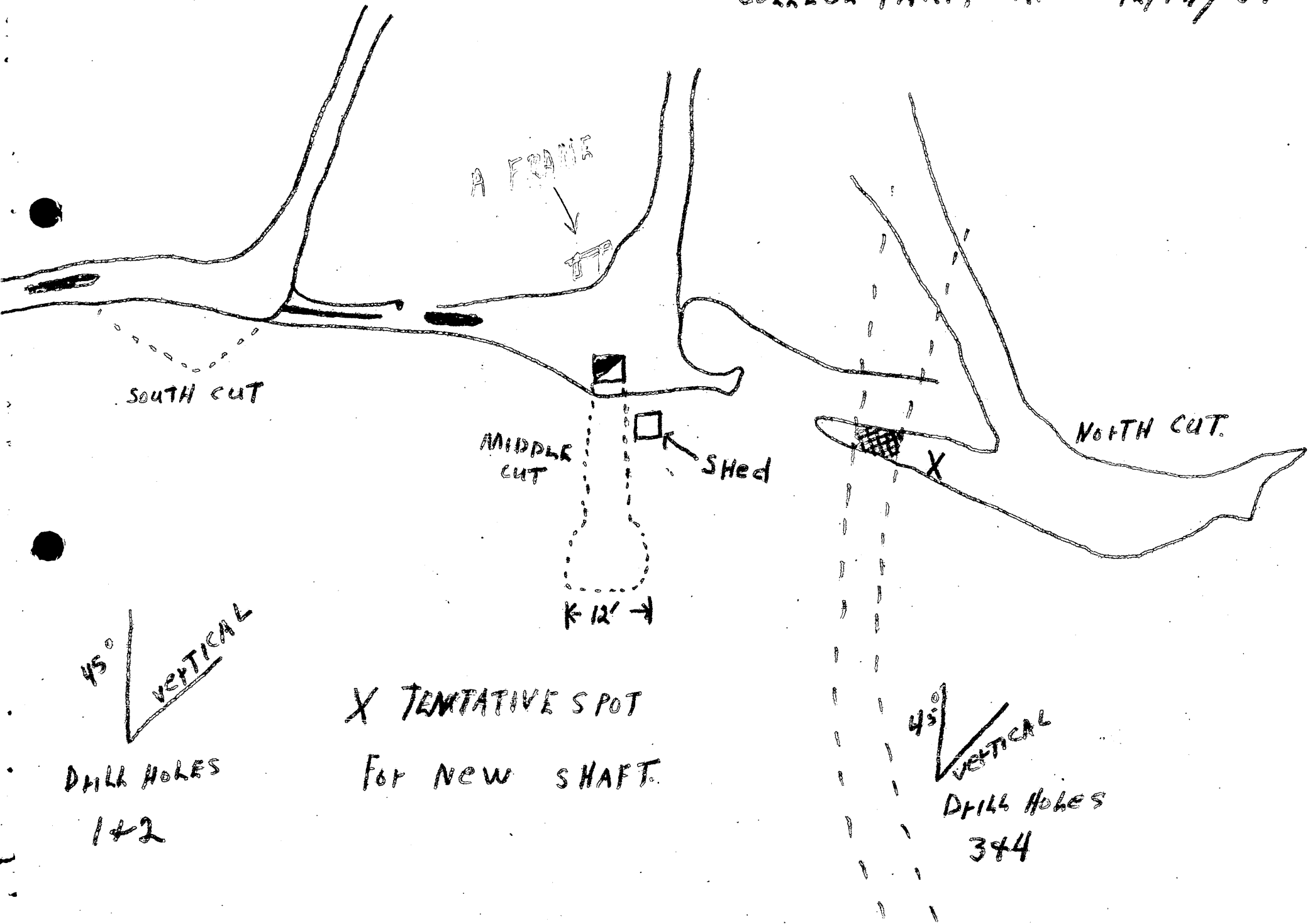
9. Gas, oil and grease	Est. per month	$ 100.00	4 months $ 400.00
80 ft. of Jack Hammer steel	Est. $ 1.00 per ft.	$80.00	
100 ft. of 1 ¼ galvanized Pipe	Est. 30¢ " "	30.00	
1 hand forge with blower	Est.	$85.00	
200 ft. ½" wire cable @20¢per ft.		40.00	
Small tools Hammers, picks, shovels, forks etc.		$50.00	
Social Security, Workmens Compensation and general bookkeeping	Est. per month	$40.00	4 mo. $ 160.00
Workmens Compensation per yr.		$ 150.00	
	Total cost of project		$ 6430.00

10. $ 643.00
(b) yes.
11. None.

SKETCH OF AMPHLETT MICA MINE BY
BALLGROUND, CHEROKEE COUNTY, GA.

ARTHUR T. ANDERSON
RT. 2, WASHINGTON RD.,
COLLEGE PARK, GA.

12/14/51



Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2298

Date received 12-19-51

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 19 1951

Arthur T. Anderson
Rt. 2, Washington Rd.
College Park, Ga.

Name and address of applicant

Date 12/14/51

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Mica
   (*b*) What are the byproducts, if any? None
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following: Amphlett Mica Mine
   (*a*) Linear feet of shafts. 50 feet
   (*b*) Linear feet of drifts and crosscuts. None
   (*c*) Linear feet of tunnels or adits. None
   (*d*) Linear feet of other mine openings (explain briefly)
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. Six miles E. Ballground, Ga.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State. Cherokee County, Ga.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. Not operating.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor. Sub-lease.
5. Number of years in production 2 months this past summer
   If not in production or operation, estimated date when production will begin 60 days after receipt of contract.
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(*a*) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

(Name of company)

By Arthur T. Anderson
(Signature of authorized official)

12/14/51
(Date)

(Title)

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—63792-1

Application for prospectors loan by
Amphlett Mica Mine,
Ballground, Cherokee County, Ga.

Arthur T. Andersnn
Rt. 2
Washington Road,
College Park, Ga.
12/14/51

I. Materials produced; Mica.
(a) inapplicable.
(b) None.

2. Amphlett Mica Mine.
(a) Linear feet of shaft 50 feet.
(b) drifts and crosscuts None
(c) Tunnels None.
(d) Linear ft. of other mine openings. The north cut has a penetration of approximately 15 feet. The south cut has a penetration of about 30 ft. Rough estimate due to caved condition.
Mine at present is flooded, however, water is no problem and can be disposed of in about 15 minutes per day with a two inch pump.

3. The Amphlett Mine is located approximately six miles East of Ballground, Ga. and is located in Cherokee County.
(a)
4. Property not being operated at present.
(b) Sub-lease.

5. Number of years in production 2 months this past summer.
Production will begin not over 60 days after receipt of contract.

6. I have been mining Mica for the past year. I operated the Battle Mine as Supt. for the Dixie Mining Co. of Atlanta, Ga. and spent two months this past summer at the Amphlett. I feel that I am capable of undertaking a venture of this sort. Also I have been in the grading and earth moving business for the past 6 years.

7. (a) Part of the history of the Amphlett Mine is written up by A.S.Furcron and Kefton H. Teague in their book, Mica Bearing Pegmatites of Ga. However, at that time a very small amount of work had been performed. Mr. Amphlett mined in 44 and 45 and produced between 25 and 30 thousand dollars worth of Mica. He supended operations as of the last day that the Colonial Corp. stopped buying Mical I would like to state here that the property was never in a sense mined. It was rather so to speak grub-holed and consequently is in very bad shape. Any entrances that were made by Mr. Amphlett were wide open mouths that have at present completely caved and therefore are inaccessable. His South workings penetrated to a depth of approx. 30 ft. and the North workings penetrated to a depth of about 15 ft. The one shaft that he put down was about 40 ft deep. This I have increased to a depth of about 50 ft. and in doing so I have widened it considerably as it was too narrow. My reason for suspension of operations was that I encountered A structure Mica and the venture was not profitable. I would like to state further that about half of my time spent at the mine was devoted to cleaning and timbering the entrance and cleaning the mucks out of the shaft itself.
(b) The nearest Mine is the Cochran. Not familiar with production.
(c) See attached report by Dr. Furcron, assistant to Capt. Peyton Georgia State Geologist.

Application for prospectors loan by

Amphlett Mica Mine,
Ballground, Cherokee County, Ga.

Arthur T. Anderson
Rt. 2
Washington Road,
College Park, Ga.

12/14/51.

Questions 8,9,10,11,& 12 not applicable.

13. Six miles to Ballground. Dirt road, all-weather.

14. Water supply ample.

15. Gasoline driven compressor and winch.

16. Five men. Two miners, Two helpers and one foreman.

17. Property has 2 small buildings. One usable but needs reroofing. Also approx. 100feet of track rails and two buckets in usable condition.

DEPARTMENT OF MINES, MINING AND GEOLOGY
STATE DIVISION OF CONSERVATION

425 STATE CAPITOL
ATLANTA 3, GEORGIA

September 8, 1951

AMPHLETT MICA MINE

Visit of September 7, 1951, by A. S. Furcron

I visited this mine in Cherokee County yesterday with Mr. A. W. Amphlett, lessee, and Mr. A. T. Anderson, lessor. This statement should not be regarded as a report upon the mine, but more as a summary of a rapid inspection which was made at that time.

Mr. Anderson is having difficulty finding an adequate amount of pattern mica. First we went to the shed where he has a small amount of pattern mica but a considerable amount of wedge A, all of which he has obtained by lengthening the incline at the middle of the cut, a distance of about 10 feet beyond its former depth. We first examined the conditions at the middle cut. This incline was put down by Mr. Amphlett in a section of the vein which he states he regarded as rather barren because he did not wish to spoil good mica in making the incline. However, this is the place where Mr. Freeman made his first discovery of good mica, and it is the place that Mr. Teague and I first visited Mr. Amphlett prior to the time the vein was prospected. Mr. Anderson washed the walls in places along the incline on both sides, and I had a very good opportunity to examine this vein all the way down. The vein or dike is contained between very definite walls of mica gneiss, maintains a definite continuous dip, pinches and swells, averaging about four feet in thickness.

#2

I was unable to discover any change in the mineral character of the vein from top to bottom where white feldspar, quartz, tourmaline, garnet patches and mica maintain the general consistency of character. Pattern, wedge A, green and spotted A, ribbon and ruled books can be picked from the sides of the vein from top to bottom; in some cases practically all these features can be found in a single book. Mr. Anderson's problem is simply this. He is not getting nearly enough pattern, as contrasted with the other types, to stay out of the red.

We next went to the south cut where there has been a failure of the hanging wall. This failure is produced by lateral movement along joint planes which cross cut the southeastward dipping foliation, wherein the upper weathered rock above the hanging wall has slid downward upon the vein. It would cost a good deal of money to clear out this opening from which Mr. Amphlett states a large amount of good flat mica was obtained. On the north wall of the opening the vein may be seen where it is from 10 to 14 inches thick, and where it contains good flat mica books. However, just northeast of this point the mica is poor and of the wedge A type, and Mr. Amphlett states that he removed some wedge A just southwest of the entrance to the middle cut.

The vein is exposed also on the north side of the diabase dike where it is perhaps a foot thick, but does not seem to contain any mica.

At the northeast end of the workings, as may be seen in figure 5 of R. I. 4239 by Beck, the vein takes a bend. At this place it can be seen to be 6 to 8 inches thick, containing small mica.

A. S. Furcron
Assistant State Geologist

Atlanta, Ga.
Nov. 26, 1951.

Know all men by these present that I, A.W. Amphlett hereby grant to A.T. Anderson the right to put down a 2nd incline on the Mica vein at the Amphlett Mica Mine at his discretion, without in any way changing the requirements of the sub-lease he holds from me dated July 24th, 1951, except that two inclines of 75 feet each shall be put down and the total footage of the two shall be added together and made a part of the total distance required.

Signed A.W. Amphlett

Witness Lawrence H. Turner

CROOM PARTRIDGE
COUNSELOR AT LAW
304 GRANT BUILDING
ATLANTA 3, GEORGIA

July 24th, 1951.

Mr. A. T. Anderson,
Route 2, Washington Road,
College Park, Georgia.

Dear Mr. Anderson:

Simultaneously with the execution of the sub-lease to you of the main workings of the Amphlett mica mine, to which lease this attached and made a part, and in consideration thereof, I have agreed with you as follows: If, at the expiration of said sub-lease, you are operating said mine successfully, I will renew said sub-lease for the remainder of my term under my present basic lease; and if the latter should be renewed, I will give you the refusal of a new sub-lease upon the same terms at which I would offer it to any other person.

Very truly yours,

A. W. Amphlett.

STATE OF GEORGIA,

COUNTY OF FULTON.

THIS AGREEMENT, made and entered into this 24th day of July, 1951, by and between A. W. AMPHLETT, of said State and County, hereinafter called "Lessor", and A. T. ANDERSON, of said State and County, hereinafter called "Lessee", WITNESSETH:

1. That Lessor herein, for himself, his heirs and assigns, has a lease on the premises hereinafter described, for a period of three years from the 6th day of January, 1951, for the purpose of mining and marketing any and all minerals of any sort or description, said lease running to Lessor herein from the Trustees of Standard Pyrite Company.

2. Now, therefore, for and in consideration of the sum of One ($1.00) Dollar in hand paid, receipt whereof is hereby acknowledged, and for and in consideration of the royalty hereinafter reserved, and of the covenants and undertakings of Lessee herein, hereinafter set forth, Lessor has sublet, and does by these presents sublet to Lessee herein, for the purpose of mining and marketing any and all minerals, the following described property, to wit:

All that tract or parcel of land situate, lying and being in Lots 46 and 47 of the Third District of Cherokee County, Georgia, and being a part of a certain mine known as the "Amphlett Mica Mine", and known as the "main workings" thereof, as the same more fully appears from a sketch denominated "Figure 5. - Plan and sections, Amphlett mica mine, main workings" in and being a part of a document of the U. S. Department of the Interior, Bureau of Mines, numbered R. I. 4239, dated April, 1948, and known as "Report of Investigations, Georgia Mica Spots", etc.

3. The term of this sub-lease shall be for a period of two (2) years from its date, unless terminated sooner as hereinafter provided.

4. In addition to any other considerations for this agree-

ment, Lessee agrees to pay to Lessor herein, as rental and royalty, thirteen (13%) per centum of all gross sums received by Lessee herein for any and all ores and minerals extracted from said land; Lessee shall make such payments to Lessor once in each month, and shall support the same by proper statements, showing weights and quantities sold, and the prices received therefor, together with such other pertinent information as Lessor may require. Lessor shall have the right to examine the books and records of Lessee at reasonable hours, by himself or his agent, Lessee agreeing to keep true records and books of account reflecting his operations.

5. It is a condition upon which this agreement is made, that Lessee shall: (a) within ninety (90) days from the date hereof, begin to deepen the present incline at the main workings, and shall deepen the same to a depth of one hundred (100) feet on the slope; and, (b), run a tunnel from the bottom of said incline as so deepened, along the mica vein in both directions, to points under the diamond drill holes made by the Department of the Interior and shown on its map above referred to, and as much farther as Lessee may desire. It is understood and agreed that all work mentioned in this paragraph is to be completed within one hundred twenty (120) days, (Saturdays, Sundays, and legal holidays excluded), from the date on which such work is begun, time being of the essence.

6. No mining work shall be undertaken on the premises covered by this sub-lease until the work undertaken and described in the next preceding paragraph shall have been completed.

7. Lessee agrees that he will work said mine a minimum of six (6) months in each of the two years of the term of this lease, with a minimum crew of at least five (5) workmen at all times. He agrees further, that all operations shall be conducted in accordance with good mining practice at all times, and that Lessor shall have the right to inspect any and all operations, and to require the corrections of any operations which are not good mining practice.

8. In the event Lessee should default in the prompt payment of the rental and royalty reserved in Paragraph 4 hereof, and should fail to pay Lessor herein all sums due in any one month on or before the 10th day of the succeeding month, or in the event Lessee should default in any of his undertakings set forth in this agreement, and should persist in such default for ten (10) days following the mailing by registered mail of a demand to cure such default, such demand being addressed to him at Rt. 2 Washington Rd College Park, Georgia, this lease shall be forfeited and void, and Lessee shall be subject to eviction as a tenant holding over.

9. Lessor shall not be liable to any person for any damage to any person or property, however caused, whether due to defective conditions or obstructions on said property or to any other cause, and Lessee undertakes that he will hold said Lessor harmless from all such claims; Lessee agrees, further, that he will not create any liens against said property. It is understood and agreed that Lessor makes no warranties as to the state of the title to said premises.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and affixed their seals, in duplicate, the day and year first above written.

_____ (SEAL)
Lessor

Arthur T. Anderson (SEAL)
Lessee

Signed, sealed and delivered
in the presence of

Croom Partridge

Francine Harley

Notary Public, Fulton County, Georgia
My Commission Expires Sept. 14, 1951

CROOM PARTRIDGE
COUNSELOR AT LAW
304 GRANT BUILDING
ATLANTA 3, GEORGIA

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. D.M.E.A.-2298
Metal or Mineral
Date Received 12-19-51
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 1 1951

Arthur T. Anderson
Rt. 2
Washington Road,
College Park, Ga.

Name and address of applicant

Date 12/14/51.

If you have already filed MF-100, give date filed 12/14/51., type of assistance requested Prospectors Loan.

DMA Docket Number (if available)

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

(Name of company)

By Arthur T. Anderson
(Signature of authorized official)

12/14/51
(Date)

(Title)

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—64067-2

Application for prospectors loan by

Amphlett Mica Mine,
Ballground, Cherokee County, Ga.

Arthur W. Anderson
Rt.2
Washington Road,
College Park, Ga.
12/14/51

1. (a), (b) & (c) See attached lease, both areas same Landlord Subordination Agreement will be obtained and submitted at a later date.

2. (a) The mineral I expect to find is Mica.
(b) I have one set of maps of the Amphlett mine plus the logs out the diamond drill holes, however I am not sending them because they were made by the Bureau of Mines and therefore are accessable to you.

Application for prospectors loan by

Amphlett Mica Mine,
Ballground, Cherokee County, Ga.

Arthur T. Anderson
Rt.2
Washington Road,
College Park, Ga.
12/14/51.

3. (a) I propose to sink a new shaft at the North end of the workings and head directly for drill holes #'s 3&4 following the pegmatite all the way on approx. a 45 degree slope. I propose to sink a shaft about 6 by 10 ft. (minimum) to a depth of 100 ft. and then branch out laterally both ways, 50 ft. each way.

I have operated this mine approximately 2 months this past summer but was forced to quit as the Mica obtained was not of a good quality. In other words, the Mica was predominately (A) structure. You will note in my lease that I am confined to a certain area and required to perform a certain amount of work in a given direction. You will also note that I have had an additional agreement (which is attached to the lease) with Mr. Amphlett where-in I am permitted to start a new shaft at my discretion. This permission was granted after we encountered the (A) structure in the original shaft.

It has been pointed out to me that the Amphlett Mine cannot be considered as a prospect. Actually this was true and perhaps still is. This claim is substantiated by the 4 Diamond Drill test holes that were drilled by The Bureau of Mines. It is my opinion and frankly my hope since the (A) structure has been encountered that the property can be reclassed as a prospect rather than a mine. Further, the property is in terrible condition due primarily to poor mining methods. All workings are badly caved and inaccessable with the exception of the one shaft. It is in excellent condition due to the work I performed this summer.

My main reasons for locating the new shaft at the spot I have chosen are that accessability is good and also Mr. Amphlett states that he obtained very good Mica from this area.

Total cost of the project will be - $ ~~[illegible]~~ 6430.00

(B) Time to ~~start the project~~ required to start the project not over 60 days.

Estimated time to complete the project 4 months.

Application for prospectors loan by

Amphlett Mica Mine,
Ballground, Cherokee County, Ga.

Arthur T. Anderson
Rt. 2
Washington Road,
College Park, Ga.

4. See Sketch.

5. Existing facilities are 2 sheds. One not usable. The other needs new paper on the roof. Estimated cost $25.00.
Approximately 100 ft. of car rails and 1 homemade skip. Usable

6. One shed approx. 12x12 ft. to house the Winch or hoist and hand forge open at one end. Estimated cost $ 150.00

7. (a) Rented equipment.

1-105 Air-compressor	Rate per month	$ 175.00	
1-Single Drum Hoist	" " "	75.00	Total for 4 month period.
1-Air Hammer or Drill with wet head and Jack	" " "	65.00	
1-Air Pump with Hose	" " "	40.00	
	Total	$ 355.00	$ 1420.00

8. Labor.

2-Miners	Rate per Hour	1.25	Per day	$ 20.00
2-Laborers	" " "	1.00	" "	16.00
1-Foreman	" " "	1.50	" "	12.00
		Total		$ 48.00

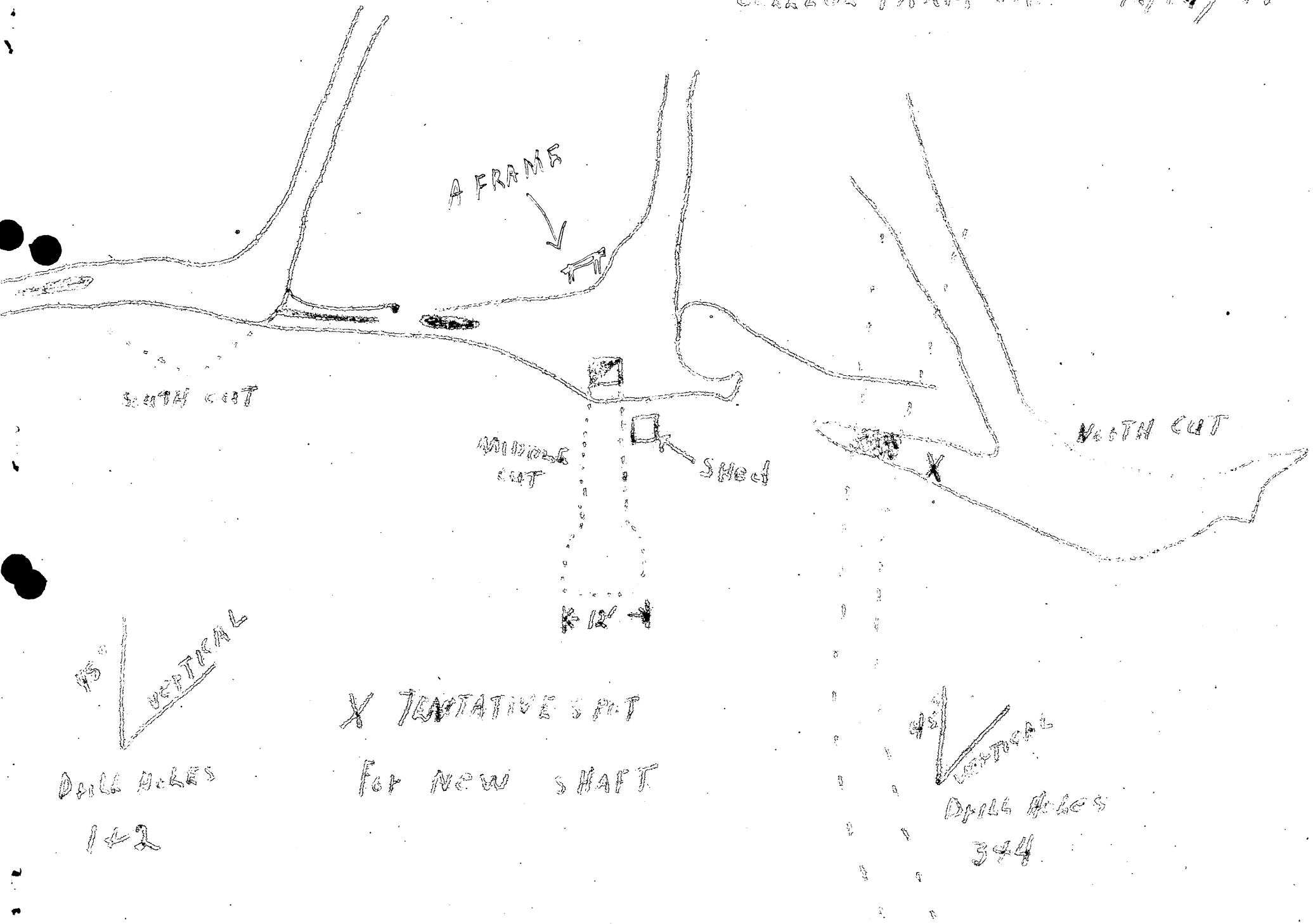
Total labor cost per week ~~[illegible]~~ $ 240.00
Labor cost for 16 weeks ~~[illegible]~~ $ 3840.00

9. Gas, oil and grease	Est. per month	$ 100.00	4 months	$ 400.00
80 ft. of Jack Hammer steel	Est. $ 1.00 per ft.	$80.00		
100 ft. of 1 ½ galvanized Pipe	Est. 30¢ " "	30.00		
1 hand forge with blower	Est.	$85.00		
200 ft. ½" wire cable @ 20¢ per ft.		40.00		
Small tools Hammers, picks, shovels, forks etc.		$50.00		
Social Security, ~~Workmens Compensation~~ and general bookkeeping	Est. per month	$40.00	4 mo.	$ 160.00
Workmens Compensation per yr.		$ 150.00		
	Total cost of project			6450.00

10. $ ~~[illegible]~~ $ 643.00
(b) yes.
11. None.

SITE OF FARNHOLT GOLD MINE BY
BALLGROUND, SHERRODS CROSSROADS, GA

ARTHUR F. ANDERSON
RT 2, WASHINGTON RD.
COLLEGE PARK, GA. 12/14/51



Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2298

Date received 12-19-51

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 1 0 1951

Mr
Arthur T. Anderson
Rt. 2, Washington Rd.
College Park, Ga.

Name and address of applicant

Date 12/20/51

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Mica
   (*b*) What are the byproducts, if any? None
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts. 50 feet
   (*c*) Linear feet of tunnels or adits. None
   (*d*) Linear feet of other mine openings (explain briefly) None
   Amphlett Mica Mine
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. Six miles S. Ballground, Ga.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State. Cherokee County, Ga.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. Not operating.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor. Sub-lease.
5. Number of years in production 2 months this last summer
   If not in production or operation, estimated date when production will begin 60 days after receipt of contract.
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(*a*) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

(Name of company)

By Arthur T. Anderson
(Signature of authorized official)

12/14/51
(Date)

(Title)

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—63792-1

Application for prospectors loan by
Amplett Mica Mine,
Ballground, Cherokee County, Ga.

Arthur T. Anderson
Rt. 2
Washington Road,
College Park, Ga.

12/14/51

I. Materials produced; Mica.
(a) Inapplicable.
(b) None.

2. Amplett Mica Mine.
(a) Linear feet of shaft 50 feet.
(b) drifts and crosscuts None
(c) Tunnels None.
(d) Linear ft. of other mine openings. The north cut has a penetration of approximately 16 feet. The south cut has a penetration of about 35 ft. Rough estimate due to caved condition. Mine at present is flooded, however, water is no problem and can be disposed of in about 15 minutes per day with a two inch pump.

3. The Amplett Mine is located approximately six miles East of Ballground, Ga. and is located in Cherokee County.
(a)

4. Property not being operated at present.
(b) Sub-lease.

5. Number of years in production 2 months this past summer. Production will begin not over 60 days after receipt of contract.

6. I have been mining Mica for the past year. I operated the Rattle Mine as Supt. for the Sinie Mining Co. of Atlanta, Ga. and spent two months this past summer at the Amplett. I feel that I am capable of undertaking a venture of this sort. Also I have been in the grading and earth moving business for the past 6 years.

7. (a) Part of the history of the Amplett Mine is written up by A.S.Furcron and Norton . Teague in their book, Mica Bearing Pegmatites of Ga. However, at that time a very small amount of work had been performed. Mr. Amplett mined in 44 and 45 and produced between 25 and 30 thousand dollars worth of Mica. He suspended operations as of the last day that the Colonial Corp. stopped buying Mica. I would like to state here that the property was never in a sense mined. It was rather so to speak grub-hoed and consequently is in very bad shape. Any entrances that were made by Mr. Amplett were wide open mouths that have at present completely caved and therefore are inaccessible. His South workings penetrated to a depth of approx. 30 ft. and the North workings penetrated to a depth of about 35 ft. The one shaft that he put down was about 40 ft deep. Did I have inclined to a depth of about 50 ft. and in doing so I have widened it considerably as it was too narrow. My reason for suspension of operations was that I encountered A structure Mica and the venture was not profitable. I would like to state further that about half of my time spent at the mine was devoted to cleaning and timbering the entrance and cleaning the muck out of the shaft itself.
(b) The nearest Mine is the Gearon. Not familiar with production.
(c) See attached report by Dr. Furcron, assistant to Supt. Peyton Georgia State Geologist.

Application for respondent loan by

Applied Life Line,
Collegeland, Cherokee County, Ga.

Arthur G. Roberts
No. 8
Washington Road,
College Park, Ga.

10/16/62.

Questions 6,9,10,11, 12 not applicable.

13. Ownership is individual. Also real, self-employed.

14. Motor supply co.,Inc.

15. Cherokee County Superior Court Clerk.

16. $150 max. on chattels, two endorsers on note.

17. Property has a small liability. The house has made some imp. Also a car. Rent 8 of house which is in the name of Corbin.

DEPARTMENT OF MINES, MINING AND GEOLOGY
STATE DIVISION OF CONSERVATION

425 STATE CAPITOL
ATLANTA 3, GEORGIA

September 8, 1951

AMPHLETT MICA MINE

Visit of September 7, 1951, by A. S. Furcron

I visited this mine in Cherokee County yesterday with Mr. A. W. Amphlett, lessee, and Mr. A. T. Anderson, lessor. This statement should not be regarded as a report upon the mine, but more as a summary of a rapid inspection which was made at that time.

Mr. Anderson is having difficulty finding an adequate amount of pattern mica. First we went to the shed where he has a small amount of pattern mica but a considerable amount of wedge A, all of which he has obtained by lengthening the incline at the middle of the cut, a distance of about 10 feet beyond its former depth. We first examined the conditions at the middle cut. This incline was put down by Mr. Amphlett in a section of the vein which he states he regarded as rather barren because he did not wish to spoil good mica in making the incline. However, this is the place where Mr. Freeman made his first discovery of good mica, and it is the place that Mr. Teague and I first visited Mr. Amphlett prior to the time the vein was prospected. Mr. Anderson washed the walls in places along the incline on both sides, and I had a very good opportunity to examine this vein all the way down. The vein or dike is contained between very definite walls of mica gneiss, maintains a definite continuous dip, pinches and swells, averaging about four feet in thickness.

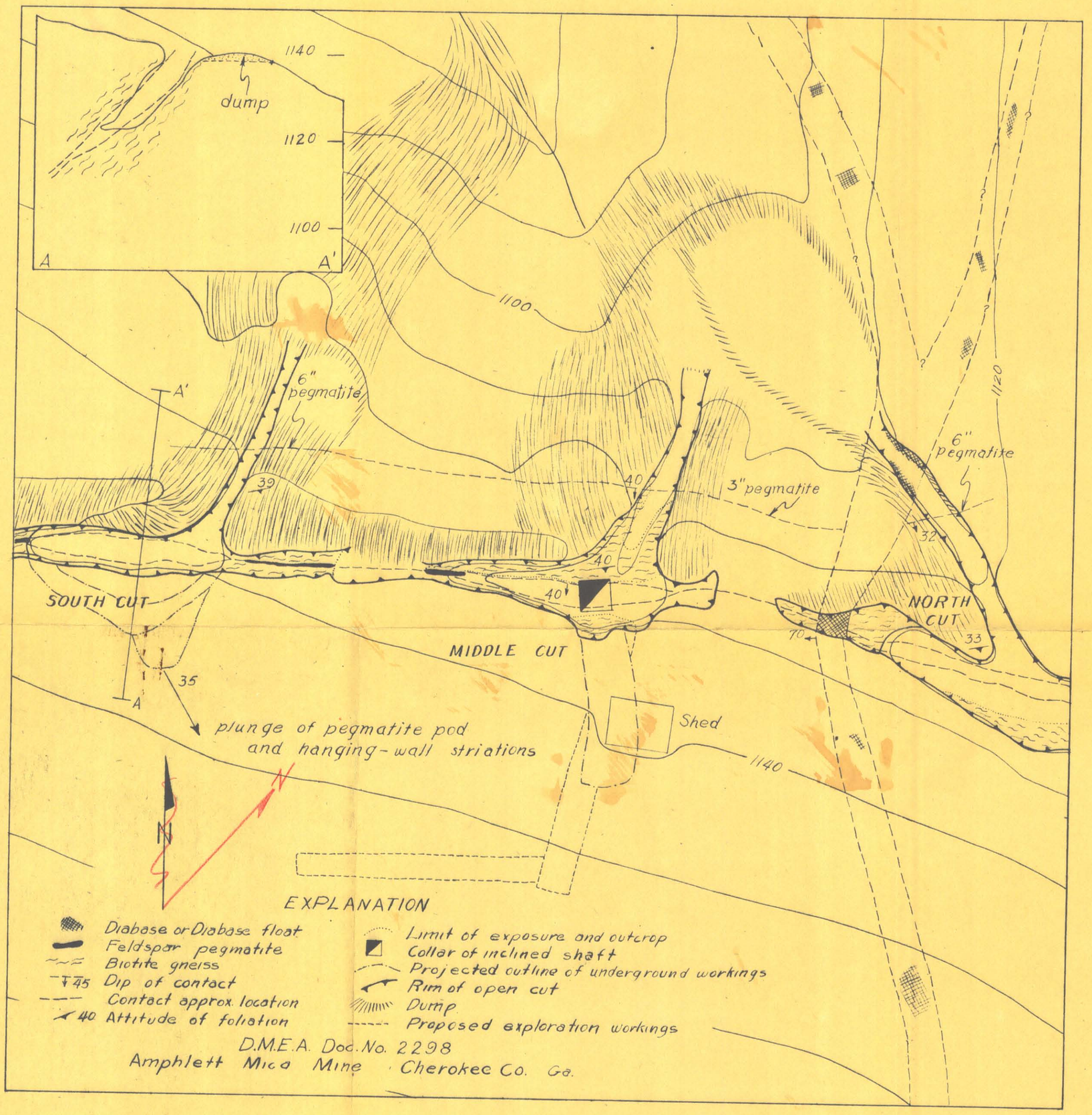
I was unable to discover any change in the mineral character of the vein from top to bottom where white feldspar, quartz, tourmaline, garnet patches and mica maintain the general consistency of character. Pattern, wedge A, green and spotted A, ribbon and ruled books can be picked from the sides of the vein from top to bottom; in some cases practically all these features can be found in a single book. Mr. Anderson's problem is simply this. He is not getting nearly enough pattern, as contrasted with the other types, to stay out of the red.

We next went to the south cut where there has been a failure of the hanging wall. This failure is produced by lateral movement along joint planes which cross cut the southeastward dipping foliation, wherein the upper weathered rock above the hanging wall has slid downward upon the vein. It would cost a good deal of money to clear out this opening from which Mr. Amphlett states a large amount of good flat mica was obtained. On the north wall of the opening the vein may be seen where it is from 10 to 14 inches thick, and where it contains good flat mica books. However, just northeast of this point the mica is poor and of the wedge A type, and Mr. Amphlett states that he removed some wedge A just southwest of the entrance to the middle cut.

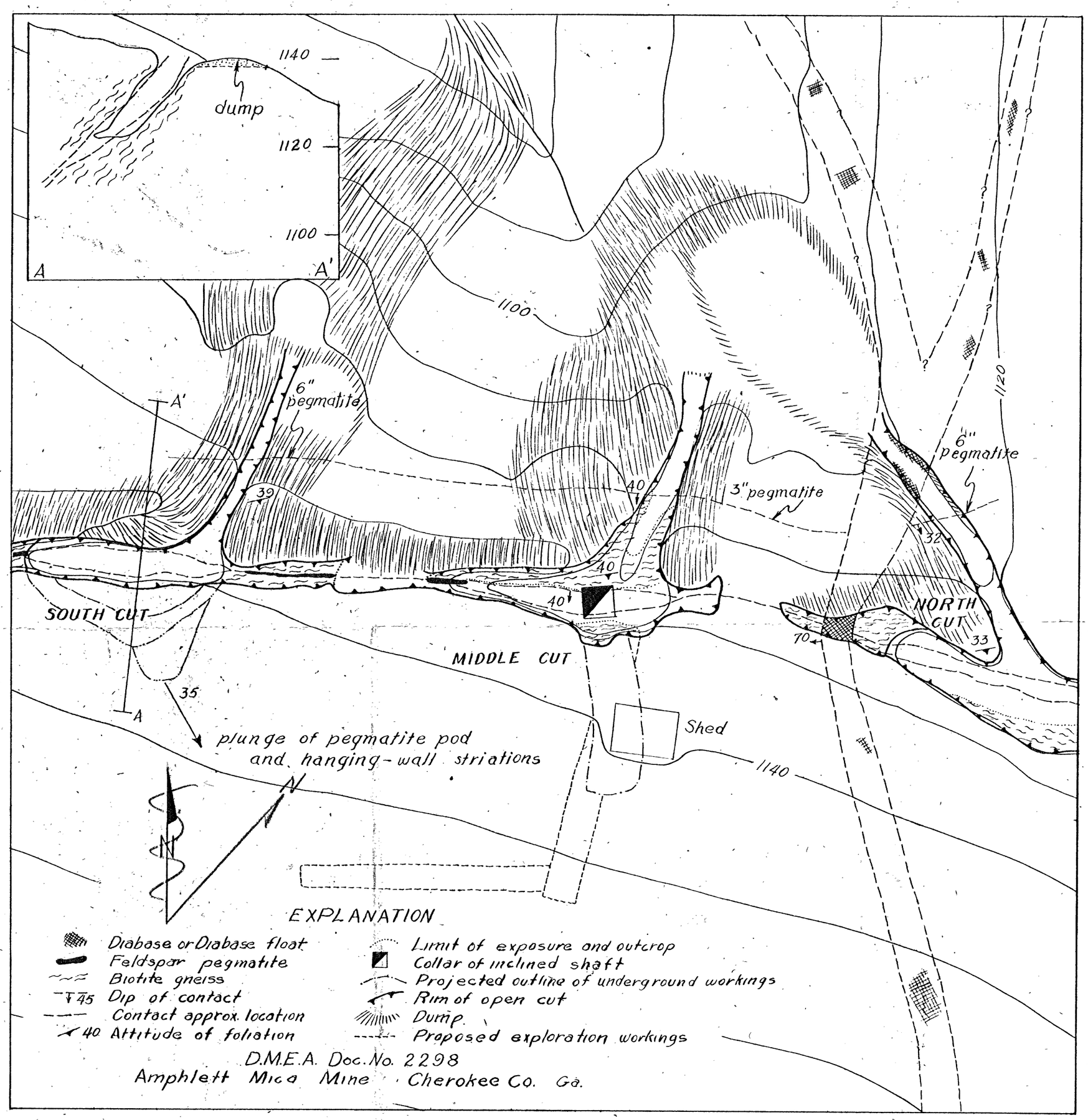
The vein is exposed also on the north side of the diabase dike where it is perhaps a foot thick, but does not seem to contain any mica.

At the northeast end of the workings, as may be seen in figure 5 of R. I. 4239 by Beck, the vein takes a bend. At this place it can be seen to be 6 to 8 inches thick, containing small mica.

A. S. Furcron
Assistant State Geologist



D.M.E.A. Doc. No. 2298
Amphlett Mica Mine · Cherokee Co. Ga.



D.M.E.A. Doc. No. 2298
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