DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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AUG 13 1953

Docket Copy

Hawk
McKane
Hoffman
Chamberlin

TERMINATION OF EXPLORATION PROJECT CONTRACT BY AGREEMENT
AFTER COMMENCEMENT BUT BEFORE COMPLETION OF THE WORK

It is agreed this July day of 21, 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and J. R. McKinney, Jack McKinney, Lee McKinney, and D. S. Buchanan, all of Bakersville, North Carolina, partners, doing business as Hawkins Mining Company, Bakersville, North Carolina, hereinafter called the "Operator," parties to that certain Exploration Project Contract I-dm-E 511, Docket No. DMEA-2824, dated April 23, 1953, that the said contract shall be and is hereby terminated as of the first date above written.

Any work prosecuted or costs incurred by the Operator after the date first above written shall be for the sole account of the Operator, except for (a) such necessary and reasonable costs and expenses as may be incurred in preserving and disposing of any facilities, buildings, fixtures, equipment, or other items, to the cost of which the Government has contributed and in which the Government has an equity, and (b) the costs of any reports, accounts, and winding-up and settlement actions provided for in the contract.

The undersigned Operator hereby releases and agrees to save harmless the Government from all claims and demands under or arising out of said Exploration Project Contract, except as herein expressly otherwise provided.

Witness the following signatures as of the day and year first above written.

UNITED STATES OF AMERICA

By Robert A. Lawrence
Executive Officer, DMEA Field Team, Reg. VII

Hawkins Mining Company
(Operator)

By J R McKinney (Partner)

By Jack McKinney (Partner)

By Lee McKinney (Partner)

By D S Buchanan (Partner)

MF-200 (A)
(February 1952)

DOCKET NO. DMEA 2324

COMMODITY Mica

Docket Copy

# UNITED STATES OF AMERICA
# DEPARTMENT OF THE INTERIOR
## DEFENSE MINERALS EXPLORATION ADMINISTRATION

Idm-E-511

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 11 1953

# EXPLORATION PROJECT CONTRACT[1]
(Short Form)

IT IS AGREED this 23rd day of April, 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] J. R. McKinney, Jack McKinney, Lee McKinney, and D. S. Buchanan, all of Bakersville, North Carolina, partners, doing business as Hawkins Mining Company, Bakersville, North Carolina

hereinafter called the "Operator," as follows:

ARTICLE 1. *Authority for contract.*—This agreement is entered into under the authority of the Defense Production Act of 1950, as amended, pursuant to DMEA Order 1 entitled "Government Aid in Defense Exploration Projects."

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of North Carolina, County of Stokes, described[3] in Annex I, attached hereto and made a part hereof

the Operator represents and undertakes:[4]

(*a*) That the Operator is the owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached:

None

(*b*) The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof.

ARTICLE 3. *Exploration project.*—The Operator, within 30 days from the date of this contract shall commence work on a project of exploration for[5] Mica

in or upon the described land; and shall bring the project to completion within a period of six (6) months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided. The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen's compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay 90 percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $6,120.00, which is 90 percent of $6,800.00, the agreed, estimated total cost of the project in which the Government will participate: *Provided,* That until the Operator's final report and final accounting have been rendered to the Government and any final check or auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(*a*) *Progress reports.* The Operator shall provide the Government with monthly reports of units of work performed under the contract, in quintuplicate (five copies), upon forms provided by the Government. These progress reports shall be certified by the Operator, and shall constitute both the Operator's invoice of units of work performed on the project during the period covered by the report and his voucher for repayment by the Government, unless the Government requires the use of a standard voucher form with invoice attached. Progress reports shall include surface and/or underground engineering-geological maps or sketches showing the progress of the exploration, with assay-reports on samples taken concurrently with the advance in mineralized ground.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property, particularly excluding any land or interest therein to which the Government's lien is not to attach or the production from which is not to be subject to the Government's percentage royalty.
[4] Strike out the provision not applicable.
[5] Name of mineral or minerals.

(*b*) *Final report.*—Upon completion of the exploration work or termination of the contract the Operator shall provide the Government with an adequate geological and engineering report, in quintuplicate (five copies), including an estimate of ore reserves resulting from the exploration work.

(*c*) *Compliance with requirements.*—If, in the opinion of the Government, any of the Operator's reports are insufficient or incomplete, the Government may procure the making or completion of such reports and attachments as an expense of the exploration work; and the Government may withhold approval and payment of any vouchers depending upon insufficient or incomplete reports.

(*d*) *Accounts and audits.*—The Operator shall keep suitable records and accounts of the units of work performed, which the Government may inspect and audit at any time. The Government may at any time require a check of the work performed and an audit of the Operator's records and accounts, by a certified public accountant or otherwise, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract. Upon the completion of the project or termination of the contract the Operator shall render a final account and statement of work performed to accompany his final report.

ARTICLE 6. *Repayment by Operator.*—(*a*) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than 6 months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) percent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) percent of any such net amounts, plus one-half (½) percent of such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such net amounts.

(For instance: The percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) percent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) percent.)

(*b*) As here used, "net smelter returns," "net concentrator returns," and "other net amounts realized from the sale or other disposition," mean gross revenue from sales, or if not sold, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be the gross income from mining operations for percentage depletion purposes in income-tax determination.

(*c*) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(*d*) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

ARTICLE 7. *Assignment, transfer, or loss of Operator's interest.*—Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder. The Operator shall not make any voluntary nor permit any involuntary transfer or conveyance of the Operator's rights in the land described in Article 2, without making suitable provision for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof; *Provided,* that mere failure by the Operator to maintain the Operator's rights in the land, without any consideration running to the Operator other than relief from the cost of maintaining such rights (as by surrender of a leasehold, failure to perform assessment work, or failure to exercise an option), coupled with complete abandonment by the Operator of all interest in or operations on the land for a period of 10 years from the date of this contract, shall not constitute such a transfer or conveyance. Should the Operator make or permit any transfer or conveyance in violation of this provision, the Operator shall be and remain liable for payment to the Government of the same amounts, at the same times, as would have been paid under the terms of the percentage royalty on production. If for any reason the net smelter returns, net concentrator returns, or other net amounts realized from the sale or other disposition of such production are not available as a means of measuring the amount of the Operator's liability, the amount thereof shall be estimated as well as may be, and in the event of dispute as to such estimates, the determination thereof by the Administrator of Defense Minerals Exploration Administration or by his successor shall be final and binding upon the Operator.

ARTICLE 8. *Termination and completion.*—The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if, in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worth while discovery and in the opinion of the Government further operations are not justified.

ARTICLE 9. *Changes and added provisions* _____

_____

_____

_____

_____

Executed in sextuplicate the day and year first above written.

HAWKINS MINING COMPANY

By J. R. McKinney

Lee McKinney

By Jack McKinney

By D. S. Buchanan

THE UNITED STATES OF AMERICA

By C. Mittendorf

Administrator, Defense Minerals Exploration Administration

Robin Alfer Hook Chamber

I, _____, certify that I am the _____ secretary of the corporation named as Operator herein; that _____, who signed this contract on behalf of the Operator, was then _____ of said corporation; that said contract was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

_____ [CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—66329-1

HAWKINS MINING COMPANY
EXPLORATION PROJECT CONTRACT
DOCKET NO. DMSA-2824

ANNEX I

The land consists of approximately 13 acres in two tracts, known as the Old Hawkins Mine, located approximately 2.5 miles west of Sandy Ridge, Stokes County, North Carolina. The tracts are described as follows:

Tract 1 - Being 5.8 acres, more or less, described in deeds from Sandy Ridge Mica and Mining Co., and from Commercial Consulting Corporation to J. R. McKinney, Lee McKinney, Jack McKinney, and D. S. Buchanan, dated March 27, 1946, and recorded in Deeds Book 104 at pages 248 and 291, in the office of the Register of Deeds, Stokes County, North Carolina.

Tract 2 - Being 7.25 acres more or less, in Stokes County, North Carolina, contiguous to Tract 1, above, and described as follows:

Beginning at a point, common to the center of Raccoon Creek, the line of the Thomas Spencer farm, and the northwest corner of Tract 1, above; thence, with the center line of Raccoon Creek, 9 courses as follows: (1)S.66°E. 122 ft. (2) N.40°E. 82 ft. (3) N.10°E. 61 ft. (4) N.49°E. 127 ft. (5) N. 71°E. 65 ft. (6) N.37°E. 48 ft. (7) N.78°E. 85 ft. (8) S.85°E. 50 ft. (9) N.54½°E. 64 ft. to the point where Spring Branch enters Raccoon Creek; thence, with the line of Everett M. Hawkins, N.26½°W. 967 ft. to an iron in the road in Spencer's line; thence, S.6°W, with Spencer's line, 784 ft. to an iron, a corner in Spencer's line; thence, following Spencer's line four courses as follows: (1) N.84°W. 210 ft. to an iron (2) S.6°W. 210 ft. to an iron (3) S.84°E. 210 ft. to an iron (4) S.6°W. 148 ft. to the point of beginning.

HAWKINS MINING COMPANY
EXPLORATION PROJECT CONTRACT
DOCKET NO. DMEA-2824

EXHIBIT "A"

Description of the Work

Exploration for mica concentrations shall be accomplished by work in two stages, at sites east and west of the old workings near the south end of the mine, approximately as shown on the map entitled "Hawkins Mine, Stokes County, N.C., DMEA-2824 (Mica)," attached hereto.

The location, direction, and extent of all work shall be specified in advance by the Government. The work is described as follows:

Stage I

East of the old workings, excavate a trench approximately 100 feet long, 25 feet wide, and 20 feet deep.

West of the old workings, sink a shaft, not more than 45 feet deep, on the pegmatite dike exposed in the west wall of the "New Cut."

From the bottom of the shaft, drift not more than 30 feet along the pegmatite.

Stage II

If, in the opinion of the Government, the results of the trenching in Stage I warrant further work, and the Government approves it in writing, in advance, sink a shaft, not more than 45 feet deep.

From the bottom of the shaft, drift not more than 30 feet along the pegmatite.

All shafts and drifts shall be not less than 5 feet by 7 feet in cross section, and shall be timbered as necessary.

## Agreed Unit Costs

### Stage I

| | | | |
|---|---|---|---|
| 80 hours of Trenching with bulldozer @ $10.00/hr. | $ 800.00 | | |
| 45 feet of shaft sinking @ $45.00/ft. | 2,025.00 | | |
| 30 feet of drifting @ $32.50/ft. | 975.00 | | |
| Total Stage I | | $3,800.00 | |

### Stage II

| | | | |
|---|---|---|---|
| 45 feet of shaft sinking @ $45.00/ft. | 2,025.00 | | |
| 30 feet of drifting @ $32.50/ft. | 975.00 | | |
| Total Stage II | | $3,000.00 | |
| Estimated Total Cost of Project | | | $6,800.00 |
| Government Participation @ 90% | | | $6,120.00 |

DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

## CONTROLLED DOCUMENT

DMA Docket No. DMEA-2824

## 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 ASSISTANCE

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

cys to USBM, USGS, 1 cy retained Reg. VII

| | | | |
|---|---|---|---|
| To: | Code 600 Rm 4637 | Date | 12/29/52. |
| To: | Feather | Date | 12/29/52 |
| To: | Open Corr | Date | 2-13-53 |
| To: | Open Corr | Date | 4-22-53 |
| To: | | Date | |
| To: | | Date | |
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## DO NOT DETACH

## CONTROLLED DOCUMENT

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

Defense Minerals Administration
RECEIVED
DEC 8 1953

December 7, 1953

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2824, Mica

Contract Number: Idm-E 511

Applicant: Hawkins Mining Company

Name and Location of Property: Hawkins Mine, Stokes County
North Carolina

Date of Field Team Final Report: September 17, 1953

Field Team Recommendation:

1. Denial of certification of discovery or development.

Comments:

1. No strategic mica was encountered through the exploration.
2. Total approved costs - $6,800.00
   Total project costs - 2,745.00
   Government's share of cost- 2,470.50

Recommendation:

I concur in the field team's recommendation to deny certification of discovery or development.

W. F. Dietrich

W. F. Dietrich

FILE COPY
SURNAME:

Anderson
Houk

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

DEC 8 - 1953

Mr. J. R. McKinney
Hawkins Mining Company
Bakersville, North Carolina

Re: Docket No. DMEA-2824 - Mica
Hawkins Mining Company
Hawkins Mine
Stokes County, North Carolina
Contract No. Idm-2511

Dear Mr. McKinney:

This is with reference to the subject Exploration Contract between your company and the Government.

The final audit of the contract expenditures and the final reports of the Operator and the Field Team have been received and accepted by this Administration. A contract for the total amount of $6,800.00 was approved and the sum of $2,745.00 was expended, 90 percent of which, or $2,470.50, represented the Government's share. There were no unused materials, supplies or equipment to be disposed of for the joint account of the Operator and the Government.

Because the results of the exploration were unfavorable, it is not our intention to make a certification of discovery or development which would create a lien against the subject property. We are, therefore, closing our books and records with respect to this project. Your attention is called, however, to Article 5 (d) of the Contract which requires the Operator to "keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract".

Your interest in the Exploration Program of the Defense Minerals Exploration Administration and your willingness to participate therein are appreciated.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

WCAnderson:ag 12/4/53
Copy to: Admr. R. File
Docket File
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Larrabee, G-232, GSA Bldg.
Mr. Houk

R.C.J. 12-8-53

Docket File Copy

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

# Project Summary Report

By: Walter C. Anderson December 7, 1953

1. DMEA Docket No. 2824 - Mica
Contract No. Idm-E511
Hawkins Mine
Stokes County, North Carolina

Operator: J. R. McKinney, Jack McKinney,
Lee McKinney, and D. S. Buchanan
d.b.a. Hawkins Mining Company
Bakersville, North Carolina

Operator's Property Rights:
No claims, liens or encumbrances

2. Contract - dated april 23, 1953

Work authorized:

| | |
|---|---|
| Stage I - 80 hours of trenching with bulldozer @ $10/hr. | $800.00 |
| 45 ft. of shaft sinking @ $45/ft. | 2,025.00 |
| 30 ft. of drifting @ 32.50 /ft. | 975.00 |
| Total | $3,800.00 |
| Stage II - | |
| 45 ft. shaft sinking @ $45/ft. | $2,025.00 |
| 30 ft. of drifting @ $32.50.ft. | 975.00 |
| | $3,000.00 |
| Estimated total cost of project | $6,800.00 |
| Government's participation @ 90% | $6,120.00 |

Amendments: None

Work completed:

| | |
|---|---|
| 72 hours of trenching @ $10/hr. | $720.00 |
| 45 ft. of shaft sinking @ 45/ft. | 2,025.00 |
| Total cost of work completed | $2,745.00 |
| Government's participation @ 90% | $2,470.50 |

The project was started on May 5, 1953, and was terminated July 21, 1953, by mutual agreement because the possibilities for discovery of a worthwhile deposit of strategic mica were not promising.

3. Audit Certificate issued September 11, 1953 (no exceptions)

R.C.S.
12-8-53

4. Certification of Discovery - None issued.

5. Comments:

This operation was conducted competently and efficiently. Operator furnished good engineering and geological reports. In accordance with the contract, 100 feet of trenching was cut and 45 feet of shaft sinking was completed. At this point it was evident that no worthwhile deposit of mica would be found, therefore, it was decided not to do the drifting contracted for. The contract was terminated by mutual agreement on July 21, 1953, and no certification of discovery was issued, in which the Nonmetallic Minerals Division concurred.

WCAnderson:ag 12/7/53
Copy to : Admr. R. File
Docket File
Mr. Houk

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

Project Summary Report

By: Walter C. Anderson December 7, 1953

1. DMEA Docket No. 2824 - Mica
Contract No. Idm-E511
Hawkins Mine
Stokes County, North Carolina

Operator: J. R. McKinney, Jack McKinney,
Lee McKinney, and D. S. Buchanan
d.b.a. Hawkins Mining Company
Bakersville, North Carolina

Operator's Property Rights:
No claims, liens or encumbrances

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| | $3,000.00 |
| Estimated total cost of project | $6,800.00 |
| Government's participation @ 90% | $6,120.00 |

Amendments: None

Work completed:

| | |
|---|---|
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| Government's participation @ 90% | $2,470.50 |

The project was started on May 5, 1953, and was terminated July 21, 1953, by mutual agreement because the possibilities for discovery of a worthwhile deposit of strategic mica were not promising.

3. Audit Certificate issued September 11, 1953 (no exceptions)

4. Certification of Discovery - None issued.

5. Comments:

This operation was conducted competently and efficiently. Operator furnished good engineering and geological reports. In accordance with the contract, 100 feet of trenching was cut and 45 feet of shaft sinking was completed. At this point it was evident that no worthwhile deposit of mica would be found, therefore, it was decided not to do the drifting contracted for. The contract was terminated by mutual agreement on July 21, 1953, and no certification of discovery was issued, in which the Nonmetallic Minerals Division concurred.

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 28 1953

September 28, 1953

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2824 (Mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant: J. R. McKinney
Name of property: Hawkins Mine
Location of property: Stokes County, N. C.
Date of field team report: September 16, 1953.
Authorship of field team report: K. H. Teague and L. E. Shirley
Field team's recommendation: Termination of contract with no certification of discovery.

ACTION SUGGESTED: Follow field team's recommendation.

D. M. Larrabee

D. M. Larrabee

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

COPY

~~WASHINGTON 25, D.C.~~
Room 13, Post Office Bldg.
Knoxville 2, Tenn.

September 17, 1953

Memorandum

To: Chairman, Operating Committee

From: DMEA Field Team, Region 7

Subject: Final Reports.

Reviewed by
DMEA OPERATING COMMITTEE
9-28-53
(date)

Transmitted herewith are the field examiners final reports on the following projects:

DMEA-2416, Idm-E328, J. W. Autrey Mine (mica)

DMEA-2824, Idm-E511, Hawkins Mine (mica)

DMEA-2832, Idm-E503, Bear Pen Mine (mica)

DMEA-2561, Idm-E420, Poston Prospects (mica)

DMEA-2375, Idm-E349, Swannanoa Mine (mica)

DMEA-2524, Idm-E430, Joe Stevenson Mine (mica)

Attached to the appropriate reports are also the Operator's final reports on the following:

DMEA-2832, Idm-E503, Bear Pen
DMEA-2824, Idm-E511, Hawkins Mine
DMEA-2416, Idm-E328, J. W. Autrey

The operators final report on Poston Prospects, DMEA-2561, Idm-E420 has previously been forwarded.

Final reports have not been received from the operator on the following:

Swannanoa, DMEA-2375, Idm-E349 and J. W. Stevenson Mine, DMEA-2524, Idm-E430. As soon as these reports are received they will be forwarded.

The Field Team is in agreement that none of the projects herein described warrant certification.

/s/ Wm. A. Beck
U. S. Bureau of Mines

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

# FINAL REPORT
ON

# DMEA-2824, Idm-E511, HAWKINS MINE (mica)
Stokes County, North Carolina

BY

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

and

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

September 16, 1953

Reviewed by
DMEA OPERATING COMMITTEE
9-28-53
(date)

DEFENSE MINERALS EXPLORATION ADMINISTRATION
FINAL REPORT
ON

DMEA-2824, Idd-E 511, HAWKINS MINE
(Mica)

Operator: Hawkins Mining Company, c/o J. R. McKinney, Bakersville, N. C.

The Hawkins mine is approximately 2.5 miles west of Sandy Ridge Stokes County, North Carolina.

Work performed under this contract failed to discover a worthwhile deposit of mica, thus no certification of discovery should be issued.

Accomplishments under this contract consisted of cutting a trench 100 feet long, 25 feet wide, and 20 feet deep, trench is located in area shown on map attached to contract and examination report. This cut exposes a steeply dipping pegmatite which strikes east-west. The pegmatite is exposed on its strike for a distance of 30 feet and maximum thickness is 3.5 feet. Several bags of surface and mineral stained mica were recovered from this pegmatite, but it is all of very poor quality. The liklihood of uncovering a worthwhile deposit of strategic mica at this place appears poor; therefore, work was discontinued at the completion of the trenching.

The existing 26-foot incline from the cut was deepened to 71 ft. (45 feet of incline as provided in the contract). This incline was driven in a N. 43° W. direction on a -35° slope. Two small mica-bearing pegmatite pods were encountered at points 26 and 42 feet from the portal and all of the pegmatite was removed. Approximately 250 pounds of mine-run book mica was recovered from these two pods.

The project began on May 5, 1953, and was terminated July 21, 1953 because the possibilities for discovery of a worthwhile deposit for strategic mica were not promising.

Expenditures:

| | | |
|---|---|---|
| (a) | Total approved | $6,800.00 |
| (b) | Total cost of project | 2,745.00 |
| (c) | Government's share of cost | 2,470.50 |
| (d) | Government's share unexpended | 3,649.50 |
| (e) | Value of production during operation (see operator's final report) | 685.83 |

This operation was conducted competently and efficiently. The contract was on a unit basis, thus no salvage value.

Sept. 16, 1953

Kefton H. Teague, USGS

L. E. Shirley, USBM

Reviewed by
DMEA OPERATING COMMITTEE
9-28-53
(date)

ZM

COPYmds

FILE COPY
SURNAME:

~~Talbert~~

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

Sept 15 1953

Mr. Robert A. Laurence
Executive Officer
DMPA Field Team, Region VII
Room 13, Post Office Building
Knoxville 2, Tennessee

Dear Mr. Laurence:

Enclosed herewith for distribution in accordance with the provisions of Sec. 3 to Supl. No. 4 of DMEA Circular 19, are four Reports of Review in lieu of final audits which I prepared during my recent visit to Knoxville:

| | | | | |
|---|---|---|---|---|
| Idm-E311 | DMEA-2377 | Piedmont Minerals, Inc. |
| " 418 | " 2575 | Conway Revis |
| " 503 | " 2832 | H. R. H., Inc. |
| " 511 | " 2824 | Hawkins Mining Company |

I am at present working on the audit report for the Callahan Zinc-Lead Company, Contract Idm-E321, Docket DMA-1709, but of course I can not complete this report until I receive confirmation from you as to the property settlement.

I wish to take this opportunity to thank you and the personnel of the Bureau of Mines for their usual courtesies. I wish to thank Mr. Beck particularly for his invaluable assistance while at Aiken.

Sincerely yours,

Signed by Talbert
E. D. Talbert, Asssistant Chief
Contract Administration
and Audit Division

Enclosure

EDTalbert/wb
September 15, 1953

Copy to: Docket
Admr. Reading File
Mrs. Piper Mr. Chambers

AB

Bakersville, North Carolina
September 14, 1953.

Defense Minerals Exploration Administration
United States Department of the Interior
Knoxville, Tennessee

Re: Final Geological and Engineering Report on Project DMEA-2824, Idm-E 511(mica), Hawkins Mine

Gentlemen:

In accordance with the requirements of Article 5(b) of my contract on the above matter, I submit herewith final geological and engineering report:

In accordance with contract agreements we cut a trench 100 feet long, 25 feet wide and 20 feet deep. Also we completed 45 feet of shaft sinking (incline drift). At this point it did not appear to be worthwhile to go any further and that was the reason to cease working in the mine. No mica vein was struck by the time the 45 feet of shafting was completed. We were able, however, to get enough mica for one sale in the amount of $685.83 which was sold to General Services Administration at the Mica Purchase Depot in Spruce Pine, North Carolina. This sale was made on June 2, 1953.

It is our considered opinion that there is nothing here at this mine to warrant further work at this mine and there is no reserve that we could ascertain.

Very truly yours,

HAWKINS MINING COMPANY

By J. R. McKinney
Partner

Bakersville, North Carolina
September 14, 1953.

Defense Minerals Exploration Administration
United States Department of the Interior
Knoxville, Tennessee

Re: Final Geological and Engineering Report on Project DMEA-2824, Idm-D 511(mica), Hawkins Mine

Gentlemen:

In accordance with the requirements of Article 5(b) of my contract on the above matter, I submit herewith final geological and engineering report:

In accordance with contract agreements we cut a trench 100 feet long, 25 feet wide and 20 feet deep. Also we completed 45 feet of shaft sinking (incline drift). At this point it did not appear to be worthwhile to go any further and that was the reason to cease working in the mine. No mica vein was struck by the time the 45 feet of shafting was completed. We were able, however, to get enough mica for one sale in the amount of $685.83 which was sold to General Services Administration at the Mica Purchase Depot in Spruce Pine, North Carolina. This sale was made on June 2, 1953.

It is our considered opinion that there is nothing here at this mine to warrant further work at this mine and there is no reserve that we could ascertain.

Very truly yours,

HAWKINS MINING COMPANY

By J R Tuckerman
Partner

Bakersville, North Carolina
September 14, 1953.

Defense Minerals Exploration Administration
United States Department of the Interior
Knoxville, Tennessee

Re: Final Geological and Engineering Report on Project DMEA-2024, Km-D 511(mica), Hawkins Mine

Gentlemen:

In accordance with the requirements of Article 5(b) of my contract on the above matter, I submit herewith final geological and engineering report:

In accordance with contract agreements we cut a trench 100 feet long, 25 feet wide and 20 feet deep. Also we completed 45 feet of shaft sinking (incline drift). At this point it did not appear to be worthwhile to go any further and that was the reason to cease working in the mine. No mica vein was struck by the time the 45 feet of shafting was completed. We were able, however, to get enough mica for one sale in the amount of $605.83 which was sold to General Services Administration at the Mica Purchase Depot in Spruce Pine, North Carolina. This sale was made on June 2, 1953.

It is our considered opinion that there is nothing here at this mine to warrant further work at this mine and there is no reserve that we could ascertain.

Very truly yours,

HAWKINS MINING COMPANY

By J. R. McKinney
Partner

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

DEPARTMENT OF THE INTERIOR
Bureau Lands Administration
RECEIVED
AUG 13 1953

August 11, 1953

Memorandum

To: Chairman, Operating Committee, DMEA, Washington, D. C.

From: Executive Officer, DMEA Field Team, Region VII

Subject: Docket No. DMEA-2824, Contract Idm-E-511 (Mica)
Hawkins Mining Company - Termination by Agreement

Attached hereto are original and two copies of "Termination of Exploration Project Contract by Agreement after Commencement but before Completion of the Work." This agreement has been signed by J. R. McKinney, Jack McKinney, Lee McKinney, and D. S. Buchanan, partners, doing business as Hawkins Mining Company. The Hawkins Mining Company retained a copy of the termination agreement, a copy was sent to the Finance Officer, and one copy has been retained by this office.

Robert A. Laurence
Robert A. Laurence
Executive Officer

Enclosures 3

FILE COPY
SURNAME:

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

JUL 30 1953

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

Subject: Docket No. DMEA-2824 - Mica
Hawkins Mining Company
Hawkins Mine
Stokes County, North Carolina
Contract No. Idm-E511

Dear Mr. Laurence:

Reference is made to your memorandum of July 21, 1953, addressed to the Operating Committee, on the proposed termination by mutual consent, DMEA-2824, Idm-E511 (Mica), Hawkins Mine.

You will find enclosed seven copies of "Termination of Exploration Project Contract by Agreement after Commencement but before Completion of the Work" for execution.

The Washington Office concurs that this project should be terminated.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (2/B)

Approved:

J. H. Hedges
Member, Bureau of Mines (2/B)

A. R. Kinkel, Jr.
Member, Geological Survey (2/B)

Enclosures 7

JHopkins:gad 7/24/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

cae
7-30

R.C.G.
7-30-53

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
ROOM 13, POST OFFICE BLDG.
KNOXVILLE 2, TENN.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 23 1953

July 21, 1953

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, D M E A - Region 7

Subject: Hawkins Mine, DMEA-Docket No. 2824, Idn-E511 (mica) Stokes County, North Carolina. Operator: Hawkins Mining Co.

Work on subject project began May 5, 1953. To date the trenching outlined in contract east of cut has been completed, and the existing short incline west of cut has been extended in an N. 43° W. direction to an inclined depth of 71 feet (incline on - 35° angle). A depth of 45 feet was completed under the contract as starting point was 26 feet from portal. Two small mica bearing pegmatite pods were encountered at points 42 and 27 feet from portal and all pegmatite was removed. Approximately 250 pounds of mine-run book mica was recovered from these two pods. No worthwhile pegmatite was located by the bulldozer trenching east of the existing cut.

From the above, it is apparent that work completed has not exposed a worthwhile mica deposit, nor has it indicated the possibility of discovering one; therefore, the Field Team requests permission to terminate the project by mutual consent.

W. A. Beck
Acting, Executive Officer
DMEA Field Team, Region VII

Action case

Benjamin Gildersleeve
Benjamin Gildersleeve
U. S. Geological Survey

RECEIVED
JUL 1 0 1953

INTERIM REPORT

DMEA-2824 Idm-E511 (mica) HAWKINS MINE

OPERATOR: Hawkins Mining Company, Bakersville, North Carolina

LOCATION: About 40 miles northeast of Winston-Salem and 2.5 miles west of Sandy Ridge, Stokes County, North Carolina in a hilly district.

Inclined shaft sinking continues on this contract and is now at 38 feet. Most of this work has been in country rock, with the exception of two narrow pegmatite lenses picked up at the 16 foot and 21 foot points down the incline dip. Approximately a bag of mica was recovered from these lenses, which pinched out laterally. Only 7 feet of shaft remains to be sunk and 30 feet of drift to be driven under contract. It was suggested, that if no pegmatite is located in the remaining 7 feet of shaft, that three short exploratory laterals be driven from the most desirable points in the incline in an effort to pick up a pegmatite body.

A lofting has recently been erected over the collar for safety reasons.

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

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

June 30, 1953

INTERIM REPORT

DMEA-2824 Idm-E511 (mica) HAWKINS MINE

OPERATOR: Hawkins Mining Company, Bakersville, North Carolina

LOCATION: About 40 miles northeast of Winston-Salem and 2.5 miles west of Sandy Ridge, Stokes County, North Carolina in a hilly district.

This project began work on or about May 5, 1953 and progress has been made at both the east and west locations. The proposed trenching, east of the main works, required about 72 hours of machine work and has been completed. This work exposed a steeply dipping pegmatite dike about 3½ ft. in thickness, striking east-west. The dike material was badly weathered and consisted principally of kaolinized feldspar and clay stained mica. Several bags of mica were recovered while trenching was in progress, but only a small amount was processable. Additional exploration at this location is not warranted and it is recommended that further work, as outlined in Stage II of the contract, not be attempted.

Shaft sinking has begun at the proposed location west of the main workings and on the dike exposed in the west wall of the new cut. This incline has been sunk 21 feet, at which point a pegmatite lens about 12" thick was encountered. One block of strategic grade mica, 6" x 8" was recovered. At the 16' point a narrow pegmatite lense was picked up and followed for 5' to the southwest at which point it pinched out. Both lenses appear limited in their lateral extent.

Equipment on the job consists of a 105 c.f.m. air compressor with drilling accessories, a #35 air sump pump, a gasoline power hoist, a mine car and hand tools. A track has been lain for a distance of 75

feet and extends to the incline bottom. Operator had previously constructed a storage house, powder and detonator magazines, and a bunk house. The mine employs 3 men who work 40 hours per week.

L. E. Shirley

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

June 9, 1953

FILE COPY
SURNAME:

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

600

APR 23 1953

Feitler
Houk
Putin
Office
Chapin
Selfridge
Hollmert

Mr. Robert A. Lawrence
Executive Officer, DMEA
Field Team, Region VII
Room 13, Post Office Building
Knoxville 2, Tennessee

Subject: Docket No. DMEA-2824 - Mica
Hawkins Mining Company
Hawkins Mine
Stokes County, North Carolina

Dear Mr. Lawrence:

Please find herewith the original and five copies of a contract covering the subject exploration project which have been signed by the Government with register number and effective date as shown.

If the contract meets with your approval, insert the starting time and time for completion in Article 3 and present it to the Operator for his approval and signature. Please explain to the Operator that the contract when executed is a firm commitment under the terms of which he is obligated to complete the work outlined at the agreed unit cost. If any part of this contract does not have either your approval or that of the Operator and cannot be amended within your delegated authority, then the original and all copies of the contract are to be returned to this office, together with the proposed changes for consideration.

After execution of the contract, the copies are to be distributed in the usual manner.

Sincerely yours,

S.N.
4/23/53
(SAB)

George C. Selfridge

Chairman, Operating Committee

Approved:

J. E. Hedges (SAB)

Member, Bureau of Mines

A. R. Kinkel, Jr. (SAB)

Member, Geological Survey

SAFeitler:gad 4/17/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

Enclosures 6

LAW OFFICES OF
WARREN H. PRITCHARD
SPRUCE PINE, NORTH CAROLINA
TELEPHONE 272

March 28, 1953.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 30 1953

Defense Minerals Exploration Administration
U. S. Department of the Interior
Washington 25, D. C.

Gentlemen:

Re: Docket No. DMEA 2824-Mica
Hawkins Mine
Stokes County, N. C.

As requested in your letter of March 23rd to Mr. J. R. McKinney of Bakersville, N. C., I enclose herewith property description and book and page records of the deeds. Also enclosed is a map, which you may consider, but please return after you have finished with it.

Very truly yours,

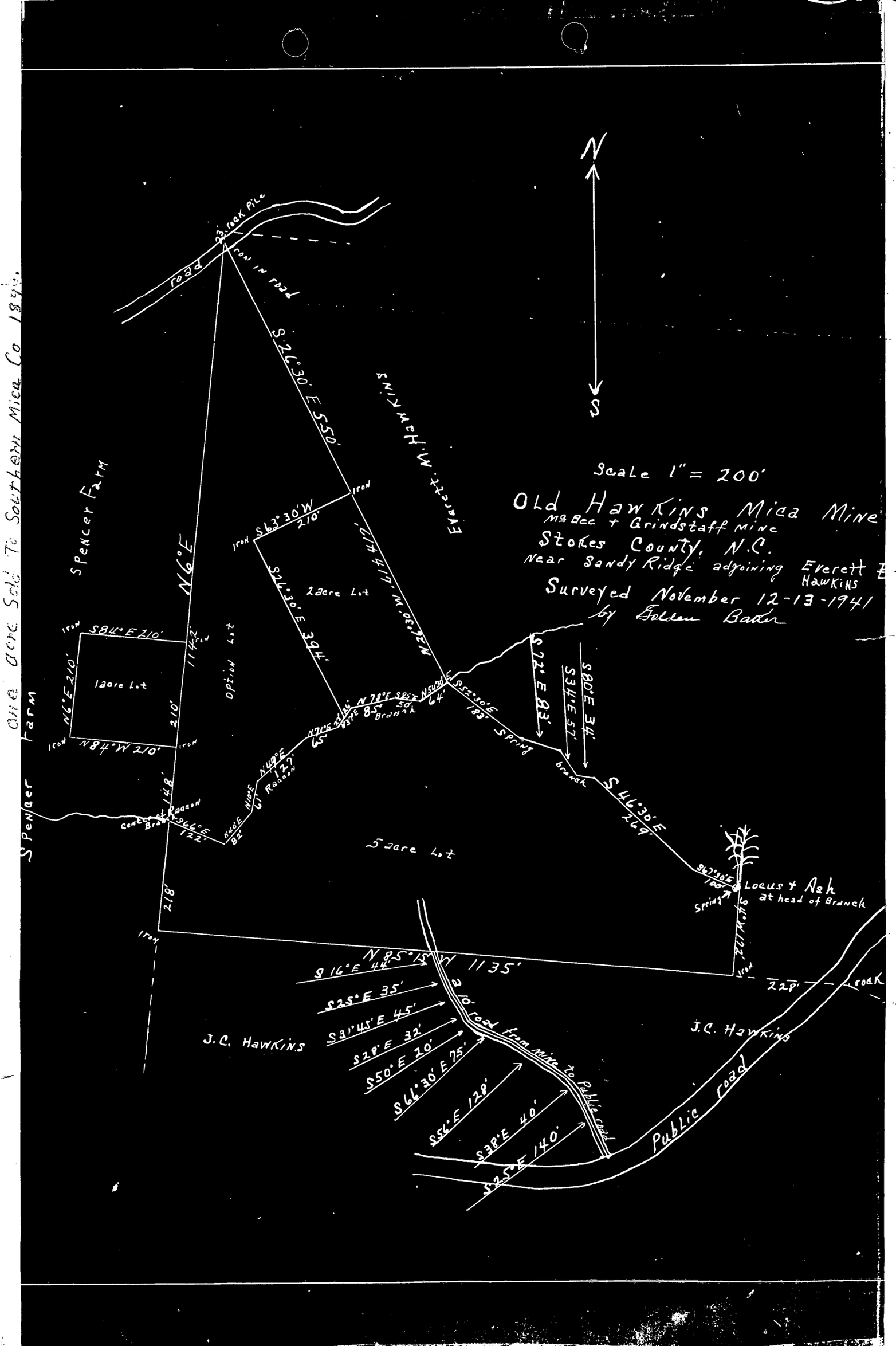
Warren H. Pritchard

Warren H. Pritchard

Tract 1-Situate in Stokes County, known as the "Old Hawkins Mine", and described as follows: Beginning at a locust in the head of a small branch and runs south 2½ chains and 19 and 9/10th links to pointers, intersecting outside line; thence west 17½ chains to a white oak, pointers; thence north 3 and 1/8 chains to the creek; thence up the creek as it meanders 2 chains to a bend, continuing up the creek 6 chains to the mouth of a small branch; thence south 70 degrees east with said branch 11½ chains to the BEGINNING, containing 5 and 4/5 acres, more or less.
Deed from Sandy Ridge Mica and Mining Co. to J. R. McKinney, Lee McKinney, Jack McKinney and D. S. Buchanan, dated March 27, 1946 and recorded in Book 104 of Deeds at page 248, Stokes County, N. C. registry. (This deed is for 1/3rd interest in the above described lands).

Tract 2-BEGINNING at a point in the center of Raccoon Creek, said point being in the line of the Thomas Spencer farm and being the northwesterly corner of the 5 acre tract and following the meandering of the center line of Raccoon Creek, 9 courses as follows: (1) S. 66 deg. E. 122 ft. (2) N. 40 deg. E 82 ft (3) N. 10 deg. E. 61 ft. (4) N. 49 deg. E 127 ft. (5) N. 71 deg. E 65 ft. (6) N. 37 deg. E 48 ft (7) N. 78 deg. E 85 ft (8) S 85 deg E 50 ft. (9) N 54 deg. 30 min. E 64 ft to a point where Spring Branch enters into Raccoon Creek; thence with the line of Everett M. Hawkins, N. 26 deg. 30 minutes west 967 feet to an iron in the road in Spencer's line; thence south 6 deg. west with Spencer's line 784 feet to an iron, a corner in Spencer's line; thence following Spencer's line four courses as follows (1) N. 84 deg. W 210 ft to an iron (2) S 6 deg. W 210 ft. to an iron (3) S 84 deg. E 210 ft. to an iron (4) S 6 deg. W 148 ft. to the point of the Beginning, and containing 7¼ acres, more or less.

Another tract (as #1 above) conveying 2/3rds interest to J. R. McKinney, Lee McKinney, Jack McKinney and D. S. Buchanan by deed dated March 27, 1946 and recorded in Book 104 of Deeds at page 291 Stokes County registry. Deed made by Commercial Consulting Corp.


Old Acre Sold To Southern Mica Co 1944.
N
S
Scale 1" = 200'
Old Hawkins Mica Mine
Mg Bee + Grindstaff Mine
Stokes County, N.C.
Near Sandy Ridge adjoining Everett B Hawkins
Surveyed November 12-13-1941
by Golden Baker
road
rock Pile
ran in road
S 26° 30' E 550'
Everett M. Hawkins
N 26° 30' W 417'
Spencer Farm
N 6° E
S 63° 30' W 210'
iron
2 acre Lot
S 26° 30' E 394'
S 84° E 210'
1142'
1 acre Lot
N 6° E 210'
N 84° W 210'
210'
Option Lot
148'
S 66° E 122'
Raccoon
Branch
N 49° E 127'
N 78° E 85'
S 52° 30' E 183'
Spring
branch
S 22° E 83'
S 34° E 57'
S 80° E 34'
S 46° 30' E 269'
S 67° 30' E 100'
Locus + Ash
at head of Branch
5 acre Lot
218'
N 85° W 1135'
S 16° E 44'
S 25° E 35'
S 31° 45' E 45'
S 28° E 32'
S 50° E 20'
S 66° 30' E 75'
S 56° E 128'
S 38° E 40'
S 25° E 140'
10' road from mine to Public road
J.C. Hawkins
Public road
228'
rock

FILE COPY
SURNAME:

Feitler
Houk

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

MAR 23 1953

Mr. J. R. McKinney
Hawkins Mining Company
Bakersville, North Carolina

Re: Docket No. DMEA-2824 - Mica
Hawkins Mine
Stokes County, North Carolina

Dear Mr. McKinney:

The property description in the subject application is too indefinite for our purpose. Please submit a metes and bounds description of your property and the book and page of record.

J.C. 3/23/53

The processing of your application will be delayed pending receipt of the above information.

Sincerely yours,

SIGNED
Lawrence G. Houk, Chief
Nonmetallic Minerals Division

SAFeitler:gad 3/23/53

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

IN REPLY REFER TO:
G-MD-CNM

Mr. Futter

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

March 19, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 19 1953

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2824 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant: J. R. McKinney and D. S. Buchanan.
Name of property: Hawkins mine.
Location of property: 2.5 miles W. of Sandy Ridge, Stokes County, N.C.
Date of field team report: March 4, 1953.
Authorship of field team report: K. H. Teague, USGS, and L. E. Shirley, USBM.
Field team's recommendation:

Stage 1:
1. Trench 100' x 25' x 20'.
2. 45° incline 5' x 7'.
3. 30' drifts.

Stage 2: If trenching in Stage 1 shows favorable results, sink a 40' incline 5' x 7', and drift 30'.

Comments: None.
ACTION SUGGESTED: Follow field team's recommendation.

D. M. Larrabee

D. M. Larrabee

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 19 1953

March 18, 1953

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2824, Mica, Hawkins Mine, Stokes County, North Carolina

I concur in the field team's recommendation for an exploration program in the amount of $6,575.00.

W. F. Dietrich

W. F. Dietrich

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
ROOM 13, POST OFFICE BLDG.
KNOXVILLE 2, TENN.

March 6, 1953

DEPT. OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 9 1953

Memorandum

To: Operating Committee, D M E A - Washington

From: Field Team, D M E A- Region VII

Subject: Field Examination Report on DMEA-2824, Hawkins Mine (mica)

Transmitted herewith are four copies of the above subject report, also six extra copies of the map. The Field Team is in agreement with the recommendations set forth in this report.

Robert A. Laurence

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

Wm. A. Beck

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

Reviewed by
DMEA OPERATING COMMITTEE

3-13-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

SCL
4/22/53

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMEA-2824, HAWKINS MINE (mica)
Stokes County, N. C.

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

-

-

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

March 4, 1953

Reviewed by
DMEA OPERATING COMMITTEE
3-13-53
(date)

Field Examination Report
on
HAWKINS MINE
DMEA-2824 (Mica)
Applicant: Hawkins Mining Company, c/o J. R. McKinney
Bakersville, North Carolina

The applicants proposal for exploration on this deposit is in reality development; however, certain unexplored features justify exploration. Little work has been conducted northeast or southwest of the long shoot which has been previously mined. The field examiners are of the opinion that these possible extensions wattant exploration.

This deposit was examined on February 26, 1953. Messrs J. R. McKinney and D. S. Buchanan, two of the applicants, accompanied the field examiners on the examination which required three hours.

The Hawkins Mica Mine is located approximately 2.5 miles west of Sandy Ridge, Stokes County, North Carolina, in a hilly district. It is about 40 miles northeast of Winston Salem, N. C. Access to the mine is good.

The following description of the mine is taken from a report prepared by D. M. Larrabee of the U.S.G.S., Nov. 1943.

"This mine was opened by Joe Hawkins in 1890, it was again worked in 1903 by the Empire Mica Co., New York, N.Y., according to Sterrett. Little is known of subsequent operations until August 1942, when the Sandy Ridge Mica and Mining Co., 927 St., N. W. Washington, D. C., purchased the property and mining rights outright. Since that time the property has been under constant operation."

"Old developments consisted of several underground workings and an open cut. Present work is chiefly underground although some prospecting has been done in the open cut and small holes to the south. The deposit was studied and mapped in November 1943, with the assistance of J. C. Olson."

"Wallrock of the deposit is biotite-chlorite gneiss with occasional thin layers of greenish hornblende gneiss, striking a few degrees north of east and dipping from 18° to 25° northwest."

"A pegmatite mass, generally concordant with but locally transecting the wallrock structure has been injected along the foliation. It appears to be in lens-shaped in transverse section, although only the eastern half of the pegmatite has been opened for observation. It pinches out up dip and down dip, as well as to the east."

" The pegmatite is comprised chiefly of both white and green plagioclase (oligoclase ?), quartz, muscovite, with subordinate quantities of microcline and red garnets. The microcline is limited to the thicker portions

of the pegmatite, and the garnets are close to the walls. The muscovite is concentrated chiefly along the gently-dipping hanging wall in a zone ranging from 6" to 4' thick, averaging about 3', according to Scott Thomas, foreman at the mine. This mica is generally of ruby to rum color, although some greenish mica was noted. It is generally flat, hard, and free from inclusions. Very little is reported to be stained. The amount of "A" and ruled mica produced is reported to be very small."

" As the best mica zone or shoot appeared to be along the thinning east side of the pegmatite, this side only has been developed. Even where the thickness of pegmatite is but 6", good mica occurs, and a few books were noted in the wallrock nearby. The greatest thickness now exposed is 9', a short distance within the portal. Here the pegmatite is chiefly of an intergrowth of medium-grained aggregate of plagioclase, microcline, quartz, small muscovite books, and large irregular lenses or veins of quartz. A narrow hanging wall mica zone is present in this portion of the dike, but the mica is more warped than that found elsewhere in the deposit. This is not at all an unusual feature, however, for mica found at the very contact."

"Associated with the pegmatite, and elsewhere in the workings, are irregular layers and lenses of fine to medium-grained pegmatite containing long, extremely thin bands of quartz, garnets, sericite, and biotite, each mineral forming a separate layer or band. Small curved books of muscovite are found occasionally, but it is rarely of commercial grade. This banded rock has been classed as migmatite, formed by replacement of the gneiss. The migmatite pinches and swells, and exhibits lit-par-lit structure in the recognizable gneiss. In some instances this rock forms a band between the pegmatite and the gneiss, at the hanging wall contact, and it is reported to form the mine floor throughout the main workings. Small masses of pyrrhotite were noted at the margins of the migmatite in a few places. Locally known as "granite," the migmatite exceeds 11' in thickness at the winze, and where exposed in the open cut is approximately 33' thick."

"The pegmatite has definitely pinched out down the dip, up the dip, and laterally to eastward. Numerous prospect pits dot the surface south of the underground workings, and these encountered nothing but gneiss and migmatite. It is possible that an east heading from the underground workings would encounter another pegmatite at essentially the same horizon, that is, between the migmatite and the gneiss, but the distance to productive rock is unpredictable. It is thought that the thickest part of the pegmatite is at or near the west wall of the workings, and that this pegmatite is lens-shaped. As the mica shoot on the east side of this thick portion followed the position of rapid thinning of the pegmatite, it is reasonable to believe that a similar mica shoot may occur on the opposite or west side where a similar change in shape is anticipated."

RECOMMENDATIONS

" 1. Continue the northeast heading from near the bottom of the workings several feet to determine the nature of change in the thin pegmatite exposed in the wall."

" 2. Cross-cut the pegmatite from the southwest wall of the uppermost northwest stope, to determine the composition and shape of the pegmatite in that direction. If it thins, and no mica occurrence is found, drift a short distance in each direction, that is, up and down dip. If results are still not satisfactory, make an additional crosscut between this one and the portal for the same reasons."

" 3. If (2) be successful, the mica could be removed via present workings or an inclined shaft could be driven from some point a short distance west of the present portal to intersect the mica shoot and develop same."

"4. If moves (1) and (2) are unsuccessful, the walls and pillars of present workings can be robbed of 5 to 10 tons of mica before abandoning the workings."

" During the period from August 1942 to April 1943, a six-man crew is reported by W. H. Swanson, President of the Company, to have produced 110 tons of mica valued at $76,000 gross. This indicates an average of 12 tons monthly or 3 tons weekly. Production peaks of 6 to 7 tons per week are reported over a three-week period a year ago. From the above figures, the average value of the mica can be estimated at approximately $700 gross per ton. Mining costs are said to have averaged approximately $200 per ton of mine-run mica, to which should be added $75 (according to Swanson) rifting charges, for a total cost of production of $275 per ton. This does not include office expenses, salaries, or write off an investment. The ratio of mica to rock moved is reported by the foreman to have averaged 1:25, indicating a cost of $8 per ton of rock moved. It is thought the average ratio must have been nearer 1:50 for the workings as a whole. There has been very little production since April 1943."

About the conclusion of Colonial Mica Corporation's mica buying program in 1945, Jahns prepared another report which differes somewhat from Larrabee's conclusions. The following partial report is by Jahns:

"The main pegmatite is essentially a large sill that lies along the hanging wall contact of the lower thick granite sill in the upper half of the incline. It lies within the sill in the lower half of the incline and in the westward crosscut. The hanging wall of the pegmatite dips steeply in the southwall of the crosscut, transecting the foliation of the granite at an angle of 30°. The pegmatite pinches and swells abruptly along the strike in many places, but in general tapers gradually down dip."

"The streakiness of the wall zone, the bent and broken perthite crystals of the inner unit, and the bending and warping of many mica books suggest that the pegmatite was subjected to shearing stresses and flowage during the later stages of its crystallization. Moreover, many of the mica books of the wall zone are parallel with the adjacent wall-rock contact, rather than being randonly orientated or lying normal to the contact."

" The pegmatite mined in both branches of the incline at its north or lower end was found to thin progressively northward. Operations were stopped when the mica content of the rock broken at the face became too low for satisfactory returns. Substained production of mica can be restored only through the discovery and mining another shoot, which if present may lie either east or west of the present workings."

Both of these reports are in general agreement in that both suggest additional mica shoots must be found to support sustained production.

This mine was worked about two years from June 1948 to July 1950 by the applicants. They report that they produced $32,000.00 worth of mica at a cost of $26,000.00. This production resulted from extending the main incline an additional 90 feet, robbing the walls of the incline, and from a bulldozer cut at the southeast end of the open cut ("new cut" on map).

It would appear that the "new cut" has exposed a mica zone lower than the one worked in the long incline, as a mica-bearing pegmatite 18 inches thick is exposed in the southwest side of the cut.

The applicants' proposed exploration was to be conducted from the main incline. This would involve dewatering and cleaning out the incline before exploration could begin; therefore, the field examiners do not believe that exploration from the incline can be justified. However, as suggested in both Larrabee's and Jahns' reports there is a possibility of finding other mica concentrations northeast and southwest of the main incline.

The Hawkins Mine is on a tract of approximately 13 acres of land, the mineral and mining rights of which are owned by J. R. McKinney and D. S. Buchanan. Adequate area is covered for the proposed exploration program.

The field examiners recommend the following exploration program for this deposit:

Stage I ....

Cut a trench east of the old workings(see attached map) to explore the possibility of another rich mica zone. This trench should be about 100' long, 25' wide, and 20' deep.

Sink a 45-foot incline on the mica pegmatite showing in the west wall of the cut and drive 30 feet of laterals from the bottom of the incline. This incline and laterals should indicate the possible extent of this pegmatite.

Stage 2...

If favorable conditions are found east of the main cut by the trenching in Stage 1, a 40-foot incline should be sunk at the most favorable spot, and if justified 30 feet of laterals driven from the incline.

Estimated Cost:

| | | |
|---|---|---|
| **Stage I** | | |
| 80 hrs. of bulldozing @ $10/hr. | $800.00 | |
| 45-foot 5' x7' incline @ $45/ft. | $2025.00 | |
| 30 feet of drift @ $32.50/ft. | 975.00 | |
| Sub-Total | | $3,800.00 |
| **Stage 2** | | |
| 40-foot 5' x 7' incline @ $45/ft. | $1800.00 | |
| 30 feet of drifts @ $32.50/ft. | 975.00 | |
| Sub total | | $2,775.00 |
| Estimated total of Stage 1 and 2.... | | $6,575.00 |

Estimated time 100 shifts.

March 4, 1953

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

L. E. Shirley, U.S.B.M.



zm

FILE COPY
SURNAME:

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

Feitler
Houk
Lemmon
Selfridge

FEB 13 1953

Mr. Robert A. Lawrence
Executive Officer, DMEA
Field Team, Region VII
Room 13, Post Office Building
Knoxville 2, Tennessee

Subject: Docket No. DMEA-2824 - Mica
Hawkins Mining Company
Hawkins Mine
Stokes County, North Carolina

Dear Mr. Lawrence:

Reference is made to the subject application.

Please arrange for a field examination and submit the usual report on this mine. If exploration is recommended, the property description and ownership should be clarified.

Enclosed are copies of pertinent memoranda from the Geological Survey and the Bureau of Mines. Previous work by Johns and Larrabee may be of value to the Field Team.

A sample of mica submitted by the applicant has been approved by Mr. W. S. Flynt.

Sincerely yours,

George C. Selfridge (JHB)

Chairman, Operating Committee

Approved:

J. H. Hedges (JHB)

Member, Bureau of Mines

D. M. Lemmon (JHB)

Member, Geological Survey

J.H. 2-13-53

Enclosures 2

SAFeitler:gad 2/11/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Houk

FILE COPY
SURNAME:

Feitler
Houk
~~Hedges~~
~~Lemmon~~
Selfridge

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

FEB 13 1953

Mr. J. R. McKinney
Hawkins Mining Company
Rabersville, North Carolina

Subject: Docket No. DMEA-282A - Mica
Hawkins Mine
Stokes County, North Carolina

Dear Mr. McKinney:

Your application for assistance in exploring the Hawkins Mine on Raccoon Creek, Snow Creek Township, Stokes County, North Carolina, has been reviewed by the Nonmetallic Minerals Division of the Defense Minerals Exploration Administration and has been referred to Mr. Robert A. Lawrence, Executive Officer, DMEA Field Team, Region VII, Room 13, Post Office Building, Knoxville 2, Tennessee, for a field examination.

The Regional Office will contact you at an early date in regard to the examination of your property. Any assistance that you can give the members of the field team in the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf (fw) SH 2-13-53

Administrator

SAFeitler:gad 2/11/53

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

IN REPLY REFER TO:
G-MD-CNM

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 5 1953

February 4, 1953

Memorandum

REVIEW OF APPLICATION DMEA-2824 (Mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: J. J. Norton, U. S. Geological Survey
Applicant: Hawkins Mining Co., Bakersville, North Carolina.
Name of property: Hawkins (Sandy Ridge).
Location of property: Snow Creek Township, Stokes County, North Carolina.
Estimated cost of project: $12,000.
Summary of applicant's proposal: Not stated.
Sources of information on applicant's property: Unpublished report by D. M. Larrabee (1943) and the unpublished Piedmont professional paper by Jahns and others. Both of these are available to the field team on microfilm.
Comments:

(1) This property was also the subject of Docket DMEA-2230, which apparently was closed because applicant did not reply to correspondence. Refer to memorandum by D. H. Kupfer dated February 19, 1952.

(2) This mine has been a large producer, but apparently the main mica shoot has been exhausted.

(3) There are significant differences in the geologic interpretations presented by Jahns and Larrabee. Nevertheless, both of them agree that exploration may result in the discovery of additional mica shoots parallel to what has been mined in the past.

(4) Larrabee made recommendations on how to explore this deposit, but we do not know if these recommendations were carried out.

RECOMMENDATION:

Refer to field team to set up a suitable exploration project.

J. J. Norton
J. J. Norton

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
Form Approved.
Budget Bureau No. 42-R1030.
RECEIVED
DEC 22 1952

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

*Not to be filled in by applicant*

Docket No. UNI EA-2824
Metal or Mineral
Date Received 12/23/52
Estimated Cost
Participation (Government %)

## INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Hawkins Mining Company, Bakersville, N. C.

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

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

(*d*) If a partnership, add to the above statement the names and addresses of all partners: J. R. McKinney, Jack McKinney, Lee McKinney & D. S. Buchanan, Bakersville, N. C.

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract: 12½ acres, more or less on Raccoon Creek, Snow Creek Township, Stokes County, North Carolina

(*b*) State any mine name by which the property is known. Hawkins Mine

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

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it: None

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

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. See attached sheet

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

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

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

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

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore: Ruby Mica

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. Map and sketches attached

(*c*) The work will start within 30 days and be completed within 15 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations. All lifetime experience

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project: See attach'd

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☒ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

## CERTIFICATION

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

Dated December 15, 1952

Send all correspondence to:
J. R. McKinney, Bakersville, N. C.

Hawkins Mining Company
(Applicant)

By D. B. Behaco

J. R. McKinney

**Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.**

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

4(a)-Present vein worked to depth until not profitable at the present time. There appears to be another vein between two slate walls in addition to present vein.
(b) Has been considerable quantity of mica produced in this mine some few years ago.
(c) Vein-see attached maps and sketches.
(d) About three miles from Sandy Ridge Post Office. There is a gravelled road within about 200 yards of the property. Ship to Spruce Pine 75 mi.
(e) Plenty of supplies, materials and manpower available.

6. (b) Labor and supervision-5 common laborers and one foreman-$8400.00
(c) Operating Materials and Supplies---------- 1500.00
(d) Have on hand compressor, pumps, hoists, etc. 600.00
(e) Repairs 1500.00
Miscellaneous and Contingencies

Total----------$12,000.00

Mr. Fairbanks

IN REPLY REFER TO:

G-MD-CNM

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

January 8, 1953

Informational memo 2/4/53

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 9 1953

Memorandum

REVIEW OF APPLICATION DMEA-2824 (Mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: J. J. Norton, U. S. Geological Survey
Applicant: Hawkins Mining Company (4 partners), Bakersville, North Carolina.
Name of property: Hawkins mine.
Location of property: 12½ acres on Raccoon Creek, Snow Creek Township, Stokes County, North Carolina.
Estimated cost of project: $12,000.
Summary of applicant's proposal: Does not state.
Sources of information on applicant's property: None.
RECOMMENDATION: Field examination.

J. J. Norton

J. J. Norton

1/26/53
3 maps to Norton
Info in files - Add'l memo to come
SAF

IN REPLY REFER TO:

G-MD-CNM

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

January 8, 1953

Memorandum

REVIEW OF APPLICATION DMEA-2824 (Mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: J. J. Norton, U. S. Geological Survey
Applicant: Hawkins Mining Company (4 partners), Bakersville, North Carolina.
Name of property: Hawkins mine.
Location of property: 12½ acres on Raccoon Creek, Snow Creek Township, Stokes County, North Carolina.
Estimated cost of project: $12,000.
Summary of applicant's proposal: Does not state.
Sources of information on applicant's property: None.
RECOMMENDATION: Field examination.

J. J. Norton

Norton:jeh
G-1/8/53
cc: Director's reading 4212 GSA Bldg.
Branch " " "
DMEA
Norton G-230 " "

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 5 1953

January 5, 1953

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Acting Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2824, Hawkins Mine, Stokes County, North Carolina

No data are available in this office on subject property. It is suggested that the field team visit this property when they are in that vicinity to ascertain if an exploration program is justified.

Brooke L. Gunsallus

Mr. Fuller

# GENERAL SERVICES ADMINISTRATION

Spruce Pine, N. C.
December 29, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 31 1952

Owen 2824

Mr. Lawrence G. Houk, Chief
Nonmetallic Minerals Division
Defense Minerals Exploration Administration
Washington 25, D. C.

Subject: Hawkins Mine - Mica
Sandy Ridge, N. C.

Dear Mr. Houk:

We are in receipt of samples of mica from the Hawkins Mine submitted by J. R. McKinney, D. S. Buchanan, Lee McKinney, and Jack McKinney. We find this to be a very good quality ruby mica, and will be acceptable for purchase on the present Government Mica Purchasing Program.

Yours very truly,

W. S. Flynt

W. S. Flynt, Superintendent
Spruce Pine Mica Depot

Return to Feitker

1/26/53

Three maps from official docket - 2824 - Nira

Please return to

Room 4637 SF.

Returned 2/5/53

SF

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

December 29, 1952

Memorandum

To: Executive Officer, DMEA Field Team, Region VII

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned Docket Number to an application recently received from Region VII

DMEA-2824 Hawkins Mining Company

ROBERT E. ADAMS

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

December 29, 1952

Mr. J. R. McKinney
Bakersville
North Carolina

Subject: DMEA-2824
Re: Exploration Assistance
Hawkins Mine

My dear Mr. McKinney:

The receipt of your application dated December 15, 1952 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-2824 and referred to the Nonmetallic Minerals Division.

Kindly refer to DMEA-2824 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

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

25451

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
Room 13, Post Office Building
Knoxville 2, Tennessee

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 22 1952

December 18, 1952

Memorandum

To: Operating Committee, D M E A - Washington

From: Executive Officer, D M E A - Region 7

Subject: Hawkins Mining Co., Bakerville, N. C. (mica)
Application for exploration project

Enclosed herewith are 3 copies of an application received here from the Hawkins Mining Company of Bakerville, N. C. The fourth copy is being retained here in accordance with the Operating Committee's memo No. II dated February 4, 1952.

The applicant has been requested to submit a sample of mica to the Government Purchase Depot at Spruce Pine, N. C.

Robert A. Laurence
Robert A. Laurence

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved. Budget Bureau No. 42-R1083.4

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 22 1952

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

*Not to be filled in by applicant*

Docket No. DMEA-2824
Metal or Mineral
Date Received 12/22/52
Estimated Cost
Participation (Government %)

## INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Hawkins Mining Company, Bakersville, N. C.

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

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

(*d*) If a partnership, add to the above statement the names and addresses of all partners. J. R. McKinney, Jack McKinney, Lee McKinney & D. S. Buchanan, Bakersville, N. C.

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract 12½ acres, more or less on Raccoon Creek, Snow Creek Township, Stokes County, North Carolina

(*b*) State any mine name by which the property is known. Hawkins Mine

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

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it None

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

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. See attached sheet

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

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

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

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

5. *The exploration project.*—(*a*) State the mineral or minerals for which you will explore Ruby Mica

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. Map and sketches attached

(*c*) The work will start within 30 days and be completed within 15 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations. All lifetime experience

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project: See attach'd

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☒ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

## CERTIFICATION

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

Dated December 15, 1952

Hawkins Mining Company
(Applicant)

Send all correspondence to:
J. R. McKinney, Bakersville, N. C.

By D. L. Bulkemer
J. R. McKinney

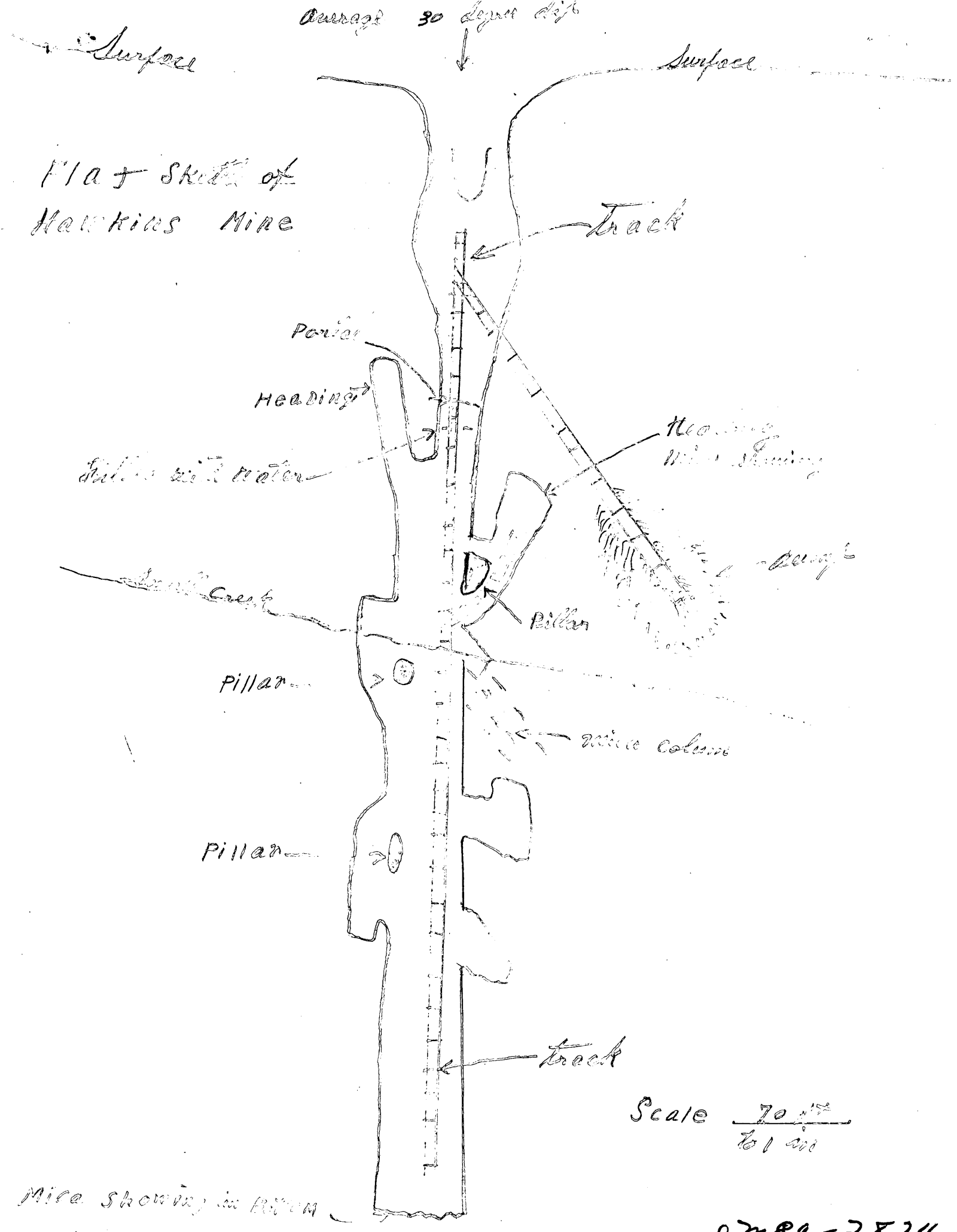
**Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.**

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

4(a)-Present vein worked to depth until not profitable at the present time. There appears to be another vein between two slate walls in addition to present vein.
(b) Has been considerable quantity of mica produced in this mine some few years ago.
(c) Vein-see attached maps and sketches.
(d) About three miles from Sandy Ridge Post Office. There is a gravelled road within about 200 yards of the property. Ship to Spruce Pine 175 mi.
(e) Plenty of supplies, materials and manpower available.

6. (b) Labor and supervision-5 common laborers and one foreman-$8400.00
(c) Operating Materials and Supplies---------- 1500.00
(d) Have on hand compressor, pumps, hoists, etc.
(e) Repairs 600.00
Miscellaneous and Contingencies 1500.00

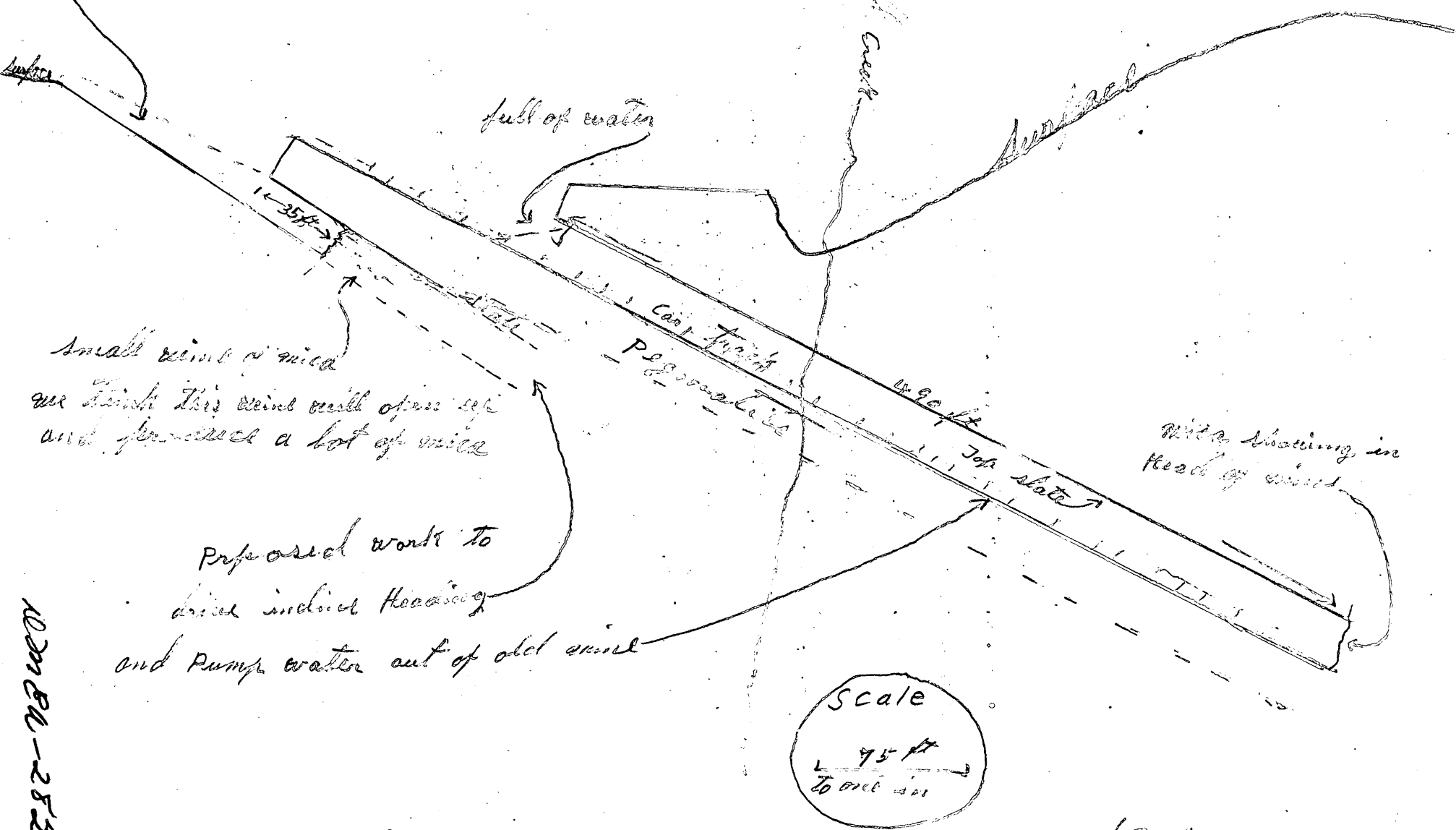
Total----------$12,000.00


Average 30 degree dip
Surface
Surface
Flat Sheet of
Hawkins Mine
Track
Porion
Heading
Heading
Mica Showing
Fallen with water
Small Creek
Pillar
Pillar
Mica Column
Pillar
track
Scale 70 ft / to 1 inch
Mica Showing in Room

IMEA-2824

# Hawkins Mine

Under ground Sketch of Mine




by J R McKinney

MDM 2523

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
Room 13, Post Office Building
Knoxville 01, Tennessee

July 11, 1951

Messrs. J. R. McKinney and D. S. Buchanan
Bakersville
North Carolina

Dear Sirs:

At your request, I enclose herewith ten copies of Form MF-102, "Application for Government Loan not to exceed $50,000 Under Defense Production Act of 1950," which is two sets. These forms are to be filled out in quadruplicate, the fifth copy is for your files.

Very truly yours,

Robert A. Laurence

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

Enclosures

S
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RALS
STRATION
D. C.
ESS

PENALTY FOR PRIVATE USE TO AVOID
PAYMENT OF POSTAGE, $300
(PMGC)

KNOXVILLE
DEC 18
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1952
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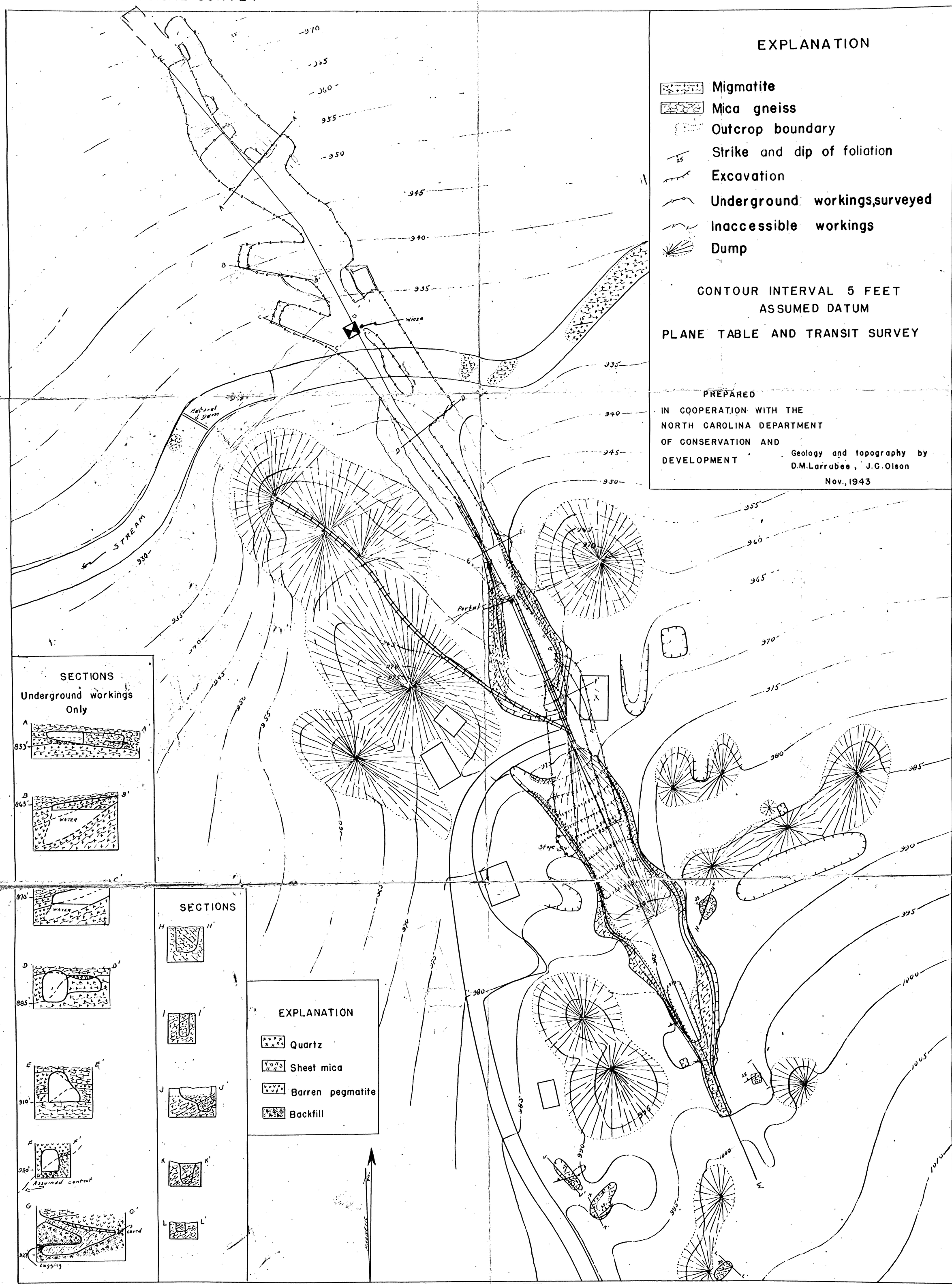
~~TRUMAN~~

Fay H. Simpson Sec'd.
1st 3/9/52

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STRATEGIC MINERALS INVESTIGATIONS
PRELIMINARY MAP

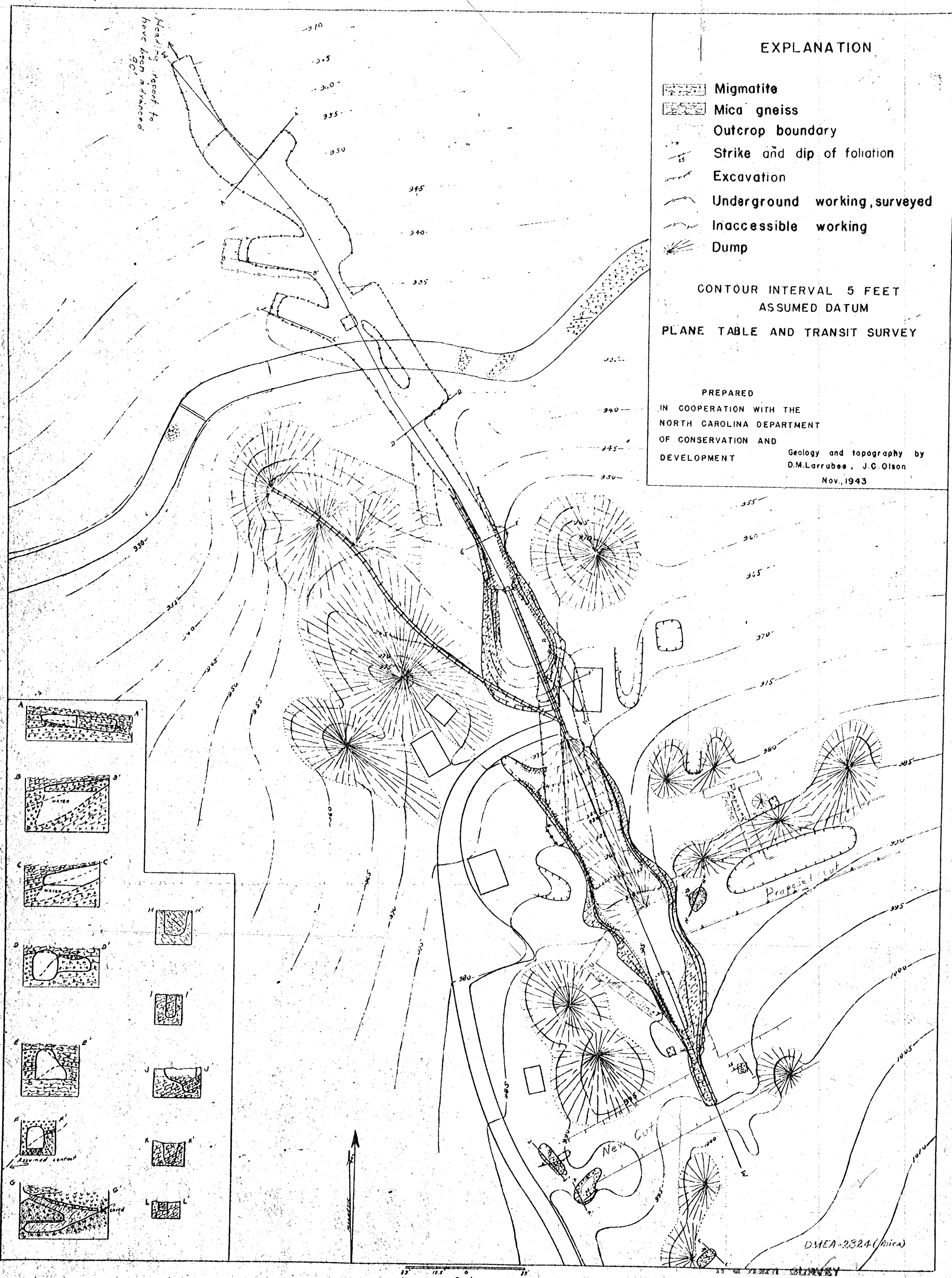



HAWKINS MINE
STOKES COUNTY, N.C.

ADM Ed-2824

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STRATEGIC MINERALS INVESTIGATIONS
PRELIMINARY MAP




HAWKINS MINE
STOKES COUNTY, N.C.