DMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE E-977 DMEA NO. 4337

Application (Denied
(Withdrawn
(After disposition, delete items not applicable)

Contract (Terminated - not Certified
(Cancelled
(Terminated - Certified ✓
(Royalty Agreement

This is the official contract file containing all official records of the project. The records contained in the files are checked and are arranged in this order:

Left Side

Interim Royalty Audits
Reports of Royalty Review
✓ Certification of Discovery
Certificate of Audit (Final)
Interim Audit(s)
✓ Report of Review
Termination Notice or Agreement
Recision Notice
Assignment of Contract
✓ Contract Amendments (latest on top)
✓ Contract with all exhibits and annexes
✓ Owner's Consent to Lien Subordination Agreement
✓ Leases and assignments of leases
✓ Application and attachments
(3) ✓ Envelope for maps

Right Side

✓ Project summary
Work completed analysis
All other material is filed in chronological order with correspondence including the following reports as checked:

✓ Final Field Team Report (Tab)
✓ Operator's Final Report
(2R) ✓ Interim Reports
(2R) ✓ Operator's monthly reports and all attachments (latest on top)
✓ On-site Exam Report(s) (Tab)
(4) ✓ Settlement Sheets

When the volume of records is expected to warrant additional folders, or when convenience of reference warrants separate folders for certain records, they should be set up in this order:

Left Side

Folder No. 2: (In chron. order) Interim Summary Reports by W. O. Engineers

Right Side

Operator's Semi-Annual Report for Certified Project, Field Team Interim Reports, Operator's Monthly Report with transmittal, narrative, maps, and Field Team review.

Folder No. 3: Maps (Use pocket folder or envelope. Fold maps with title block out and show reference to related document or correspondence.)

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

R.C.S.

9775

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
8/12/66	Kirkmo	120
		110
		220

AUG 12 1966

Hawk Mining Company
c/o Henrietta Phillips
Executrix Frank W. Phillips Estate
Spruce Pine, North Carolina

Re: DMMA-4337 (Mica)
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina
Contract Idm-E977

Gentlemen:

By the terms of the subject Exploration Project Contract, as amended, and the certification of discovery or development dated April 18, 1958, all minerals mined or produced from July 23, 1956, to July 23, 1966, were subject to the Government's royalty as set forth in said contract.

As the period during which production was subject to royalty has now expired, the Government according to its present records retains no claim or lien against the property subject to the contract or any future production therefrom. We, therefore, are closing our books and records on this contract. Your attention, however is called to the provisions of the contract which require the Operator to keep and preserve certain records for the periods indicated.

It is suggested that the signers of the Consent to Lien dated December 5, 1955, be notified that the royalty period has now expired and that the Government retains no claim or lien against the property subject to the contract or any future production therefrom.

Sincerely yours,

FRANK E. JOHNSON

(Ph.)

Frank E. Johnson
Chief, Office of
Minerals Exploration

MMerrithew/mm (8/11/66)
cc: Director's Reading File
Division File
Economic Geology File
Region IV - R. Laurence
120M
OME Docket
OME Reading File
Br. of Budget and Finance

23263

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Washington office pertaining to Contract Idm-E977, Docket DMEA-4337 (mica), dated July 23, 1956, with

Hawk Mining Company
c/o Frank W. Phillips
Spruce Pine, North Carolina

for the purpose of determining the amount of royalty payable to the U. S. Government on sales of minerals from property referred to as the Hawk Mine located in Mitchell County, North Carolina, during the period August 5, 1960, through December 10, 1963.

A certification of discovery or development was issued on April 18, 1958, and, in accordance with Article 6 of the contract, royalty is payable on all minerals produced from the land described in Article 2 of the contract for a period of 10 years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first. A Report of Review dated December 10, 1957, indicated accepted costs under the exploration contract amounting to $5,805.71 with the Government's contribution on a 75 percent basis being $4,354.28.

The status of the project, the scope of review, and the reasons therefor are stated on page 2.

This review found the total sales subject to the Government's royalty for the period to be $914.47. Royalty payable to the Government at the rate specified in the contract is $45.72.

A prior Report of Royalty Review found the sales subject to the Government's royalty through August 4, 1960, to be $68,589.12, which added to the sales for this subsequent period make a total of $69,503.59. The royalty account as of August 4, 1960, was:

Total Royalty Payable	$3,429.45
Total Royalty Paid	3,429.45
Balance of Royalty Due	$ -0-

As of December 10, 1963, the royalty account of this project was found to be:

Total Royalty Payable	$3,475.17
Total Royalty Paid	3,475.17
Balance of Royalty Due	$ -0-

E. D. Tolbert

E. D. Tolbert, OME Auditor

January 7, 1964

STATUS OF PROJECT, SCOPE OF REVIEW
AND REASONS THEREFOR

This contract provides that the Operator, as principal if the producer or as surety if not the producer, shall pay to the Government a percentage royalty on all minerals produced from the land thereunder. The land consists of 10 acres, more or less, at the head of Cane (or Spring) Creek one mile northeast of the Hawk Post Office. At the time the contract was executed the Operator (a partnership of Frank W. Phillips, George Reid, and Johnny Wilson) was in possession by virtue of a March 22, 1954, lease granted by the several heirs at law of Stokes Buchanan and Bertie Wilson. In consideration of the contract the lessors executed a Consent to Lien on December 5, 1955.

Exploration work under the contract was completed March 18, 1957. Production during the exploration period and thereafter resulted in sales through March 1959 of 4,132.05 lbs. of sheet, 23,730 lbs. of scrap, and 5,717 lbs. of punch mica. These sales, on which proceeds aggregated $68,589.12, are covered by Reports of Royalty Review dated March 12, 1958, and August 4, 1960.

Examinations of the property, checks of the Mica Purchase Depot's records, and inquiries by DMEA and OME regional representatives found that operations ceased in 1959 and disclosed no unreported production. However, a check of the Depot's records during June 1962 by a representative of this Division found four unreported sales on which the proceeds aggregated $914.47 for the 67.95 lbs. of mica involved. Upon request the Operator promptly paid the $45.72 in royalty due to the Government.

In a November 28, 1962, reply to a MME Form 63 inquiry the Operator's bookkeeper advised "There has been no operation in this mine since 1960, nor will it be re-opened". In a December 10, 1963, reply to a similar inquiry the bookkeeper indicated that neither change in property status nor production had occurred since November 28, 1962.

This review was made in lieu of an on-site audit of the Operator's accounts and records for the following reasons:

(1) The files indicate that all sales of production since the date of the contract have been reported; and

(2) The administrative cost to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible additional royalty which might be disclosed.

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

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REPORT OF ROYALTY REVIEW

I have reviewed the files of the Office of Minerals Exploration, Washington, D. C., pertaining to Contract No. Idm-E977, Docket No. DMEA-4337 (Mica), dated July 23, 1956, with

Hawk Mining Company
c/o Frank W. Phillips
Spruce Pine, North Carolina

for the purpose of determining the amount of royalty due the U. S. Government on sales of minerals from property referred to as Hawk Mine located in Mitchell County, North Carolina, during the period February 20, 1958, through August 4, 1960.

A certification of discovery or development was issued on April 18, 1958, and, in accordance with Article 6 of the contract, royalty is payable on all minerals mined or produced from the land described in Article 2 of the contract for a period of 10 years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first. A Report of Review in lieu of final audit dated December 10, 1957, indicated accepted costs under the exploration contract amounting to $5,805.71 with the Government's contribution, on a 75 percent basis, being $4,354.28.

The status of the project, the scope of review, and the reasons therefor are stated on page 2.

This review established the total sales of mica for the period to be $58,351.37. Royalty due the Government at rates specified in the contract is $2,917.56.

A prior Report of Royalty Review found the sales subject to Government royalty through February 19, 1958, to be $10,237.75 which added to the sales for this subsequent period make a total of $68,589.12. The royalty account as of February 19, 1958, was:

Total Royalty Due	$ 511.89
Total Royalty Paid	511.89
Balance of Royalty Due	$ -0-

At August 4, 1960, the royalty account of this project was found to be:

Total Royalty Due	$3,429.45
Total Royalty Paid	3,429.45
Balance of Royalty Due	$ -0-

August 4, 1960

C. E. Fisher
C. E. Fisher, OME Auditor

Idm-E977 Hawk Mining Company DMEA-4337

STATUS OF PROJECT, SCOPE OF REVIEW

AND REASONS THEREFOR

Mining operations at this property were discontinued early in 1959. The last sale of production from the property consisted of 95.74 pounds of trimmed mica delivered to the Spruce Pine Mica Purchase Depot on February 6, 1959.

My review included a tabulation and recomputation of copies of settlement sheets filed in the Washington office in support of royalty payments. This tabulation is filed with my audit work-papers and is summarized below:

Product	Sales		Royalty
	Pounds	Value	@ 5%
Sheet mica			
7/23/56 to 2/19/58	542.39	$10,237.75	$ 511.89
2/20/58 to 8/4/60	3,589.66	$57,713.51	2,885.67
Totals-Sheet mica	4,132.05	$67,951.26	$3,397.56
Scrap	23,730.00	363.58	18.18
Punch	5,717.00	274.28	13.71
	33,579.05	$68,589.12	$3,429.45

This review was made in lieu of an on-site audit of the Operator's accounts and records for the following reasons:

(1) Inspection reports by field representatives of the Government and other correspondence in the Washington office files indicate that all production from the property on which royalty is due to the Government during the period covered by this review has been reported and proper royalty has been paid to the Government; and

(2) The administrative cost to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible additional royalty which might be disclosed.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/15	Anderson	600
4/15	Houk	600
	Long	140
	Sheiger	140
4-16	Chambers	800
4/18	Selbridge	130
4/18	Gent	130
4/18	Kilsgaard	130
"	Johnson	110
		100
		220

600

INTERIOR DEPT.
APR 16 1958
SOLICITOR

Mr. Charles Buchanan
Mr. Richard Lueking
Winifred G. Lueking
Mr. James Berry
Mrs. Barbara G. Berry

Mr. C. E. Blevins
Mrs. Ethel V. Blevins
Mr. Earle Buchanan
Mrs. Ruby Buchanan
Mrs. Viola Buchanan
Mr. W. E. Buchanan

Mr. Houk
Certification File
Mrs. Laura Wilson
Mrs. Grace M. Wilson
Mr. & Mrs. E. A. Buchanan

Field Team, Region V
Finance Office
Mr. Kilsgaard, 5222
Mr. Lamb, 3649

CERTIFICATION BY THE UNITED STATES OF AMERICA
OF A DISCOVERY OR DEVELOPMENT UNDER
AN EXPLORATION PROJECT CONTRACT

To: Hawk Mining Company
c/o Mr. Frank W. Phillips
Spruce Pine, North Carolina

Pursuant to the provisions of Exploration Project Contract No. Idm-E977, dated July 23, 1956, Docket No. DMEA-4337, hereinafter called the "contract", between the Hawk Mining Company and the United States of America, hereinafter called the "Government"; to establish and fix the Government's percentage royalty on production and its lien therefor and on the land described in the contract, the Government considers and therefore certifies that discovery or development from which production may be made has resulted from the exploration work.

The nature of said discovery or development is described broadly or indicated as follows:

Diamond drill holes from the surface penetrated a strategic mica-bearing pegmatite enclosed in hornblende-biotite gneiss. Sufficient data were obtained to indicate a substantial reserve of strategic mica.

THE UNITED STATES OF AMERICA

By O O Mittendorf
Administrator, Defense Minerals
Exploration Administration

Dated APR 18 1958

WCAnderson:rsi 4/15/58
Copy to: Admr. R. File
Mr. Johnson
Operating Committee
Mr. Chambers
Mr. Fredell, GSA

8623

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the records of the Executive Officer, DMEA Field Team, Region V, Knoxville, Tennessee, pertaining to Contract Idm-2977, Docket No. DMEA-4337 (Mica), dated July 23, 1956, with

Hank Mining Company
c/o Frank W. Phillips
Spruce Pine, North Carolina

for the purpose of determining the amount of royalty due the U. S. Government on sale of mica from property referred to as Hank Mine, located in Mitchell County, North Carolina, during the period July 23, 1956, to February 19, 1958.

Certification of discovery or development has not been issued in connection with this exploration project. However, in accordance with the provisions of Article 6 of the contract, a royalty is due to the Government on the net proceeds realized from production from the land described in the contract from the date of the contract until the lapse of time within which the Government may make such certification (within 6 months after the Operator has rendered a sufficient final report) or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first. A final report was received from the Operator on December 5, 1957. A report of review in lieu of final audit dated December 10, 1957, indicated accepted costs under the exploration contract amounting to $5,805.71 with the Government's contribution, on a 75 percent basis, being $4,354.28. The scope of this royalty review and the reasons therefor are stated on Schedule "A" attached.

My review established the total sales of mica to be $10,237.75. Royalty due the Government at the 5 percent rate specified in the contract is $511.89. The royalty paid and balance due are as follows:

Total Royalty Due	$511.89
Total Royalty Paid	511.89
Balance of Royalty Due	$ -0-

C. E. Fisher

C. E. Fisher, Auditor

March 12, 1958

SCHEDULE "A"

CONTRACT DDM-5977, DOCKET NO. DMEA-4337 (MEDA)

REPORT OF ROYALTY REVIEW

This review consisted of the listing of sales of sheet mica to the Mica Purchase Depot, Spruce Pine, North Carolina, shown by the records of the DMEA Region V office in connection with production from Hawk Mine on which royalty accrued to the Government. This list, which is filed with my audit work papers, was also checked with the purchase records of the Depot. There were 8 sales of sheet mica, aggregating 542.39 pounds, for which the Depot paid $10,237.75 and on which the royalty due the Government, on basis of 5 percent, amounted to $511.89.

It is recommended that the Region V office ascertain the value of any scrap or punch mica which may have been sold and the amount of royalty due in connection therewith.

An on-site royalty audit was not made at this time because the administrative cost to the Government would be excessive in relation to the amount of possible additional royalty which might be disclosed.

Check Sheet of Examining Engineer

Operator's Name Hawkins Mining Company
c/o Frank W. Phillips
Address Spruce Pine, North Carolina

Exploration Contract No. Idm-E977 Docket No. DMEA-4337

	Check One Yes	No
1. (a) Does the Operator stockpile ore subject to royalty repayment?		X
(b) If so, is segregation and identification procedure adequate?		
2. (a) Does Operator commingle production subject to DMEA royalties with exempt production?		X
(b) If so, do you consider the allocation of the commingled production equitable?		
3. (a) Does the Operator stockpile mine or mill rejects (low grade ore, tailing, middlings, etc.) that may have potential value within the royalty payment period?	X	
(b) If so, are adequate records maintained on such material to protect the Government's interest?	X	
4. Do you consider the assay controls in effect are adequate?	X	
5. Do you consider that the manner of disposing of production gives the Government its fair royalty returns?	X	
6. Do your periodic examinations of operations indicate the Operator is properly reporting his production of ores subject to DMEA royalties?	X	
7. Does the Operator buy from or sell to other Operators?		X

8. Comment on any item 2 (b) to 6 if answer is No.

3.(a) Operator stockpiles mica scrap until a sufficient amount is obtained to make a sale.

W. A. Beck

W,. A. Beck, Mining Engineer

Date 2-20-58

82448

Docket Copy

EXPLORATION PROJECT CONTRACT

Hawk Mining Company

Docket No. DMEA-4337 - Mica

AMENDMENT No.3

It is agreed this 16 day of January, 1957, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Hawk Mining Company, that Contract No. Idm-E977 (Docket No. DMEA-4337), dated July 23, 1956, is further amended as follows:

> Under ARTICLE 3. To be amended to read....."The Operators on or before April 23, 1957(unless the Operator's obligation to complete the work is terminated) shall complete the work."

This amendment shall note be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be required to contribute, nor the fixed unit cost of any item of work.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By Robert A. Lawrence
Executive Officer, DMEA
Field Team, Region V

HAWK MINING COMPANY

By Frank W. Phillips
(Partner)

By John E. Wilson
(Partner)

By George Reid
(Partner).

OFFICIAL FILE COPY
D M E A
RECEIVED JAN 30 1957
DATE | INITIALS | CODE

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Hawk Mining Company
c/o Frank W. Phillips
Spruce Pine, North Carolina

pertaining to Exploration Project Contract No. Idm-2977, DMEA No. 4337, including Amendment Nos. 1, 2, and 3, for the months of September 1956 to March 1957, inclusive, covering a project for the exploration of mica on property, known as the Hawk Mine located in Mitchell County, North Carolina.

My review included an examination of the Monthly Reports (Forms MF-104) and supporting documents attached thereto, comparison of the costs claimed with the contract and pertinent schedules, verification of work performed by reference to Field Team reports and correspondence, and a determination of the reasonableness and propriety of the costs.

This review was made in lieu of a final audit of the Operator's accounts and records for the following reason:

all of the costs incurred were under a contract provision for payment by the Government on the basis of fixed unit costs of work actually performed.

The review disclosed the following facts in regard to the amount paid or to be paid the Operator:

Total cost as billed by Operator		$6,156.40
Exceptions (schedule attached):		
Prior to this review	$ -0-	
Herewith	350.69	350.69
Total Accepted Cost		$5,805.71

The contract calls for a 75 percent participation of exploration expenses by the United States Government. Therefore, payment to the Operator by the Government in the amount of Four thousand three hundred fifty-four and 28/100 Dollars is valid and proper, provided that the Regional Executive Officer, the Administrator, or other competent official has accepted or will accept the project as having otherwise met the terms of the contract.

Amount payable to Operator	$4,354.28
Amount reimbursed	4,052.45
Balance due Operator	$ 301.83

E. D. Talbert

E. D. Talbert, Auditor

December 10, 1957

SCHEDULE OF EXCEPTIONS

Idm-E977 | Hawk Mining Company | DMEA-4337

Claimed by Operator:					
478'	NX	@	$5.20	$2,485.60	
396'	BX	@	4.70	1,851.80	
428'	AX	@	4.25	1,819.00	$6,156.40
Accepted by Field Team:					
421.3'	NX	@	$5.20	$2,190.76	
395.5'	BX	@	4.70	1,858.85	
413.2'	AX	@	4.25	1,756.10	5,805.71
Disallowed					$ 350.69

Docket Copy

EXPLORATION PROJECT CONTRACT
HAWK MINING COMPANY

Docket No. DMEA-4337

AMENDMENT No.2

It is agreed this 26th day of October, 1956, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Hawk Mining Company, that Contract No. Idm-E977 (Docket No. DMEA-4337), dated July 23, 1956, Is further amended as following:

In Amendment No. 1, under item (a), and immediately following the sentence "Reduction in hole size shall be made from NX to BX to AX" add the following: " except in hole No.2 which may be reduced in size from NX to AX."

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be required to contribute, nor the fixed unit cost of any item of work.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By Robert A. Parenero
Executive Officer, DMEA
Field Team, Region V

HAWK MINING COMPANY

By Frank W. Phillips
Partner

By John E. Wilson
Partner

By Byron Reid
Partner

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Docket Copy

RECEIVED

OCT 24 1956

EXPLORATION PROJECT CONTRACT
HAWK MINING COMPANY
DOCKET NO. DMEA-4337

Amendment No. 1

It is agreed this 8th day of October, 1956, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Hawk Mining Company, that Contract No. Idm-8977 (Docket No. DMEA-4337), dated July 23, 1956, is amended as follows:

Indirs 10/4/56
Dunger
Appd. Sol. Off.
Anderson
Abernethy
Selfridge

(a) In Exhibit A under the heading Description of the Work, add the following to the second paragraph:

"When ground conditions are encountered that make it impossible to complete a hole with NX bit, the hole may be completed with BX bits or with BX and AX bits, in lieu of NX bit. Reduction in hole size shall be made from NX to BX to AX."

(b) In Exhibit A under the heading Fixed Unit Costs, add the following after the second line:

"Diamond drilling with BX bit - $4.70/ft.

Diamond drilling with AX bit - $4.25/ft."

- - - - - - - - - - - - -

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be required to contribute, nor the fixed unit cost of any item of work.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By C. Mittendorf
Administrator, Defense Minerals Exploration Administration

HAWK MINING COMPANY

By Frank W. Phillips (Partner)

By John E. Wilson (Partner)

By George Reid (Partner)

Docket copy

MF-200A
(Rev. April 1956)

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
EXPLORATION PROJECT CONTRACT
(Short Form)

RECEIVED JUL 13 1956

DMEA No.	Commodity	Contract No. Idm-E	County	State
4337	Mica	977	Mitchell	North Carolina

It is agreed JUL 23 1956, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and HAWK MINING COMPANY, a partnership comprised of Frank W. Phillips, George Reid, and Johnny Wilson,

whose mailing address is % Frank W. Phillips
Spruce Pine, North Carolina
hereinafter called the "Operator," as follows:

ARTICLE 1. *Authority and project.*—(a) This contract is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF-200A), the attached Annex I (land description), Exhibit A (work and costs), and the maps and documents listed therein. The project work is a search for indicated or undeveloped deposits of the commodity designated above. The Operator shall begin the work on or before ....., and, subject to the provisions of Article 7 and Exhibit A, shall complete the work within 6 months from the date of the contract.

(b) The description of the work and the fixed cost for each unit of work to be performed (per foot of drilling, per foot of drifting, per hour of operations, etc.) are hereby agreed upon as specified in Exhibit A. The estimated total cost of the project work is $6,760.00. The Government will contribute 75 percent of the fixed unit cost of the work performed, not exceeding $5,070.00, in accordance with the provisions of Articles 4 and 5.

(c) The Operator shall not transfer or assign this contract or any right or obligation thereunder without the written consent of the Government.

ARTICLE 2. *Operator's property rights.*—(a) The Operator represents and undertakes that Annex I correctly describes the land which is the subject of this contract and the nature of the Operator's rights of property and possession therein (whether as owner, lessee, or otherwise), and that such right, title, or interest is subject only to the following claims, liens, or encumbrances: None

(b) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal title of the land (lessor, seller, optionor, etc.) are attached, as follows: Consent to Lien of lessors

(c) The Operator shall preserve and maintain his right, title, and interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. The Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing

in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof. Two copies of such instrument shall be furnished to the Government. If the Government's rights to royalty as provided in Article 6 have been terminated, the provisions of this paragraph (c) shall become inapplicable.

ARTICLE 3. *Performance of the work.*—(a) Operator's responsibility.—The work shall be performed diligently, efficiently, expertly, in a workmanlike manner, and in accordance with good mining standards and State regulations governing health, safety, and liability insurance covering employment. The Operator shall provide suitable and adequate equipment, facilities, materials, supplies, and labor to complete the work, as specified in Article 1 (a).

(b) *Government may inspect.*—The Operator shall consult with and inform the Government on all phases of the work as it progresses. The Government may enter at all reasonable times to inspect the work under the contract, and also after certification of discovery or development, to inspect production operations and underground workings. The Operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 4. *Contribution by the Government.*—The Government will make its contribution on the basis of the monthly vouchers referred to in Article 5 (b); but all payments by the Government are provisional only, subject to audit, and until the account between the Operator and the Government is finally audited and settled and the Operator's final report has been rendered, the Government may withhold such sums as it sees fit but not in excess of 10 percent of the estimated total cost of the work. To the extent that excesses over fixed unit costs or any excess over the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such excesses for his own account without contribution by the Government. The Government will not contribute to the cost of any work performed prior to the date of this contract. The Government may make payments for the account of the Operator directly to independent contractors and suppliers rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(a) Operator's records.—The Operator shall keep suitable records and accounts of the units of work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine all pertinent books, documents, papers, and records of the Operator.

(b) *Progress reports and vouchers.*—The Operator shall provide the Government with five copies of monthly progress reports in three sections as follows: (1) Operator's Monthly Report and Voucher showing a detailed statement of units of work performed during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and the fixed unit costs incurred for each type of work; and (3) a Narrative Report of the work performed during the reporting period including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground. (Forms for reporting under (1) and (2) above will be provided by the Government.)

(c) *Final report.*—Upon completion of the work or termination of the Government's obligation to contribute to costs, the Operator shall furnish the Government with five copies of a final report (in addition to the final progress report and voucher). This final report shall include a geological and engineering evaluation of the results of the work performed under the contract with an estimate of the ore reserves resulting from such work, complete assay data, adequate geological and engineering maps or sketches, and a summary of the work performed and the unit costs thereof.

(d) *Report of sales.*—The Operator shall provide the Government with suitable accounting and documentary evidence covering all production to which the Government's percentage royalty relates, such as copies of smelter or concentrator settlement sheets, and certified accounts of production and sale or other disposition of production.

(e) *Compliance with requirements.*—If in the opinion of the Government any of the Operator's reports, records, or accounts are insufficient or incomplete, or if the Operator fails to make them, the Government may procure the making or completion of such with suitable attachments as an expense of the work to which the Operator shall contribute. The Government may withhold approval and payment of any vouchers relating to insufficient or incomplete reports, records, or accounts.

ARTICLE 6. *Repayment by Operator.*—(a) *Certification.*—If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after the Operator has rendered a sufficient final report (see Article 5), may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

(b) *Royalty on production.*—The Operator, as principal if the Operator is the producer or as surety if the Operator is not the producer (for example, if the Operator either transfers or fails to retain his interest in the land), shall pay to the Government a royalty on all minerals mined or produced from the land, as follows: (1) regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first; or (2) if the Government makes a certification of discovery or development, for a period of ten years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first.

(c) *Basis for computation.*—The Government's royalty shall be a percentage of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrates, metal, or equivalent), at the point of delivery (the f. o. b. point); *except,* that charges of *the buyer* arising in the regular course of business, and shown as deductions on the buyer's settlement sheets, on account of the cost of treatment processes performed by *the buyer,* sampling and assaying to determine the value of the production sold, and freight paid by *the buyer* to a carrier (not the Operator), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. Any costs of treatment processes, sampling, assaying, or transportation performed or paid by the Operator or by anyone other than the buyer are not deductible in arriving at the "gross proceeds" as that term is here used. The term "treatment processes," as here used, means those processes (such as milling, concentrating, smelting, refining, or equivalent, but excluding fabricating or manufacturing) applied to the crude ore or other production after it is extracted from the ground to put it into a commercially marketable form.

(d) *Unsold production.*—If any production (ore, concentrates, metal, or equivalent) after the lapse of six months from the date the ore was extracted from the ground remains neither sold nor used by the Operator in integrated manufacturing or fabricating operations (for instance, if it is stockpiled), the Government, at its option, as long as it so remains, may require the computation and payment of its royalty on the value of such production in the form (ore, concentrates, metal, or equivalent) it is in when the Government elects to require computation and payment. If any production is used by the Operator in integrated manufacturing or fabricating operations before the Government makes its election, the Government's royalty on such production shall be computed on the value thereof in the form in which and at the time it is so used. "Value" as here used means what is or would be gross income from mining operations for percentage depletion purposes in Federal income tax determination, or the market value, whichever is greater.

(e) *Percentages of royalty.*—The percentages of the Government's royalty shall be as follows:

One and one-half (1½) percent of amounts ("gross proceeds" or "value") not in excess of eight dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half (½) percent for each additional full fifty cents ($0.50) by which such amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such amounts.

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

(f) *Time for computation and payment.*—The Government's royalty shall be computed and paid currently upon each lot sold, held, or used in integrated operations, as the case may be, as above provided in this Article.

(g) *Lien for payment.*—To secure the payment of its percentage royalty, there is hereby granted to the Government a lien upon the land or the Operator's interest in the land and upon any production of minerals therefrom until the royalty claim is extinguished by lapse of time or is fully paid.

(h) *Notice to purchasers.*—The Operator shall give notice of the Government's claim for royalty to any purchaser of the production, and shall authorize and direct such purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets. If the records of any production and sales or other disposition of production, whether the production is by the Operator or by others, are not made available to the Government, the amount of the royalty may be estimated by the Administrator, Defense Minerals Exploration Administration, or his successor, and his estimate thereof shall be final and binding upon the Operator.

(i) *No obligation to produce.*—Nothing in this contract is to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

(j) *Government not obligated to buy.*—Nothing in this contract shall be construed as imposing any obligation on the Government to purchase any minerals mined or produced from the land.

ARTICLE 7. *Termination of the Government's obligations.*—(a) If in the opinion of the Government operations at any time have failed to achieve anticipated results that indicate the probability of making a worthwhile discovery and in the opinion of the Government further operations are not justified, the Government may give the Operator written notice thereof, and thereupon the Government shall be free of all obligation to pay on account of units of work not then performed, and the Operator shall be free of all further obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting.

(b) If in the opinion of the Government the Operator is in any manner in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon the Government shall be relieved of all obligation to pay on account of units of work not performed when the notice was given, and the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting. The Government may also avail itself of any other remedy the law may provide for breach of contract, including the right to rescind the contract and to demand repayment of all moneys contributed by the Government under the contract.

(c) The giving of any notice by the Government under the provisions of this Article 7 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and liens to secure the payment thereof, and such rights shall be fully preserved.

ARTICLE 8. *Notices to be given by the Government* may be delivered to the Operator or may be sent by registered mail addressed to the Operator at the mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 9. *Officials not to benefit.*—No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 10. *Changes and added provisions:*—

.....

.....

.....

.....

.....

.....

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

HAWK MINING COMPANY
(Operator)

By George Reid
George Reid (Partner)

By Frank W. Phillips
Frank W. Phillips (Partner)

By John E. Wilson
Johnny Wilson (Partner)

By Frank E. Johnson
ACTING Administrator, Defense Minerals Exploration Administration

Author
Lawyer
"Appd. Sol. Off."
Anderson
Hoch
Chamber
Selfridge
H.E. Johnson

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 : 1956—O-383069

EXPLORATION PROJECT CONTRACT
HAWK MINING COMPANY
DOCKET NO. BMRA-4337

ANNEX I

The land referred to in Article 2 of the contract is known as the Hawk Mine. It is located one mile northeast of the Hawk Post Office near the head of Cane Creek. It contains 10 acres, more or less, and is bounded by the property lines shown on the attached map entitled "Hawk Mine - June 4, 1955."

The nature of the Operator's rights of property and possession in the land is that of lessee under a Mining Lease Agreement dated March 22, 1954, entered into with all the heirs at law of Stokes Buchanan and Bertie Wilson.

MF-203
Revised March 24, 1955

RECEIVED
DEC 12 1955

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator Hawk Mining Company
Docket No. DMEA- 4337
Contract No. Idm-E 511
Contract Date JUL 23 1956

CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of MITCHELL, State of NORTH CAROLINA, described as follows:1/ A Certain tract of land in cane creek township, Mitchell County, N. C. known as the Hawk Mine, and adjoining the lands formerly owned by R. J. Buchanan, the Heap and Clapp interest and others and containing 11 acres more or less and being all the Hawk Mine Lands now owned in fee by the parties of the first part.

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom to secure the payment to the Government of a percentage royalty on production as may be provided for by the contract;2/ and represents and undertakes that there are no claims, liens, or encumbrances upon the undersigned's right, title, or interest in the land prior to that hereby granted to the Government other than the following:3/

3. Undertakes and agrees neither to commit any act nor assert any claim in conflict with the provisions of this Consent to Lien; and to give advance notice of the Government's rights under this Consent to Lien to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, or interest in the land; and

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated MARCH 22, 1954, and recorded in book 14 page 451 official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

3/ Write "none" if that is the case. Do not leave lines blank.

4. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Consent to Lien shall extend and apply thereto.

5. Added provision: _____

_____

_____

_____

_____

_____

_____

_____

Dated this 5th day of December, 1955.

Lane a Wilson
Grace Wilson
L. E. Blevins
Ethel V. Blevins
Earle R. Buchanan
Ruby Buchanan
Viola Buchanan
W E Buchanan

Charles Buchanan _____ [Seal]

E. A. Buchanan _____ [Seal]

Mrs. E A. Buchanan _____ [Seal]

Richard Luecking
Winifred Lawin Luecking
James Berry
Barbara Lawin Berry

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

EXPLORATION PROJECT CONTRACT
HAWK MINING COMPANY
DOCKET NO. DMRA-4337

EXHIBIT "A"

Description of the Work

Exploration for concentrations of strategic mica shall be accomplished by diamond drilling, as indicated on the 3 maps entitled "Geological Map of the Hawk Mine," "Vertical Longitudinal Section VW Hawk Mine," and "Superimposed Longitudinal Sections," attached hereto.

The work is intended to establish the extension of the pegmatite beyond the old workings, on the dip and along the strike. This shall be accomplished by drilling not more than 1300 feet of (NX) diamond-drill holes to penetrate the extension of the pegmatite.

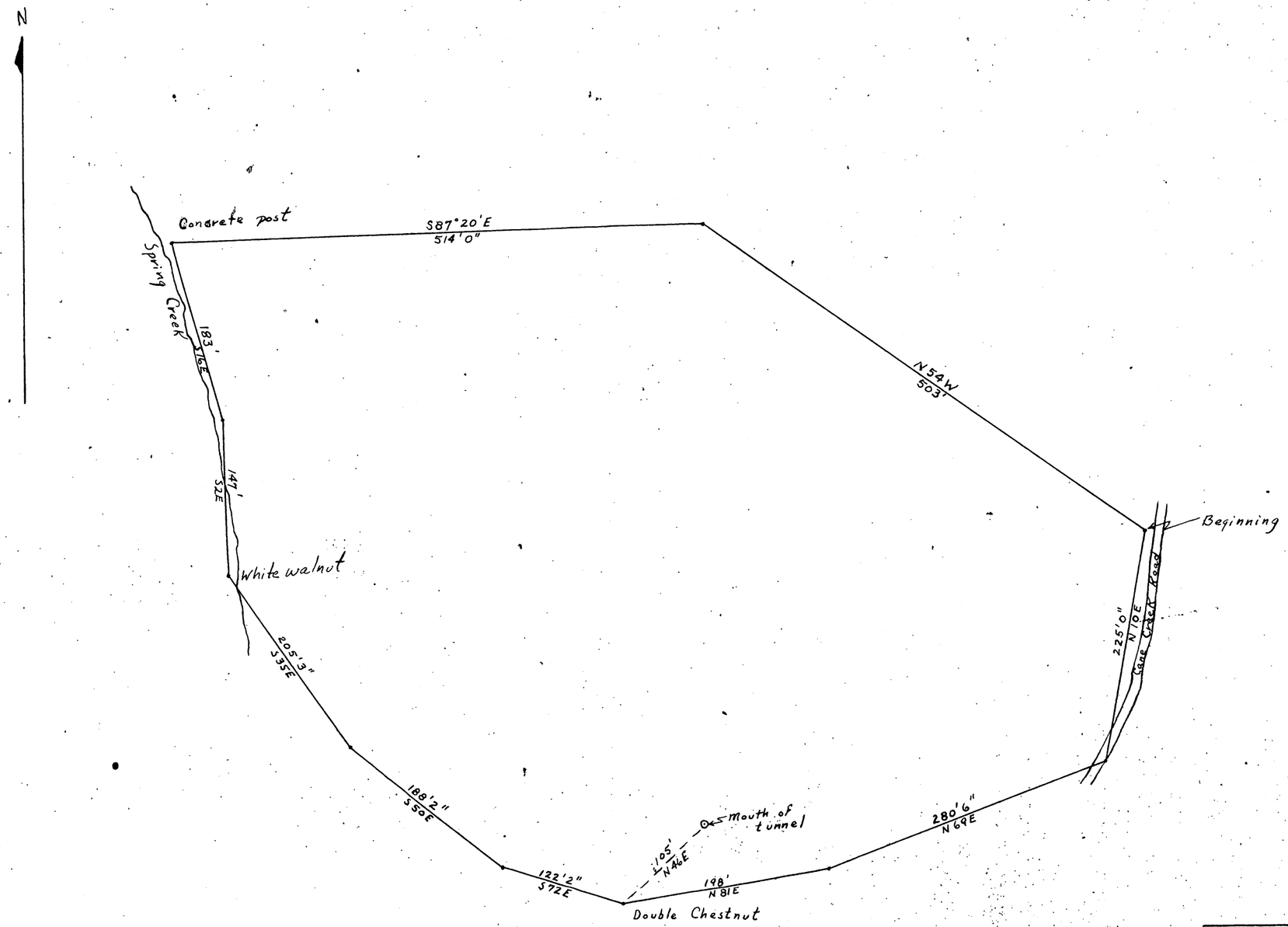
Holes shall be reamed, cemented, and cased as necessary.

The attitudes, directions, locations, and extent of the drill holes are subject to approval by the Government.

Fixed Unit Costs

Diamond drilling with NX bit, 1300 feet @ $5.20/ft.	$6,760.00
Includes supervision, reaming, cementing, setting and pulling casings, transportation of men and equipment in and out, boxing 2-1/8 inch core, and all other costs whatsoever connected with the drilling.	
Estimated Total Cost of Project	$6,760.00
Government's Participation @ 75%	$5,070.00

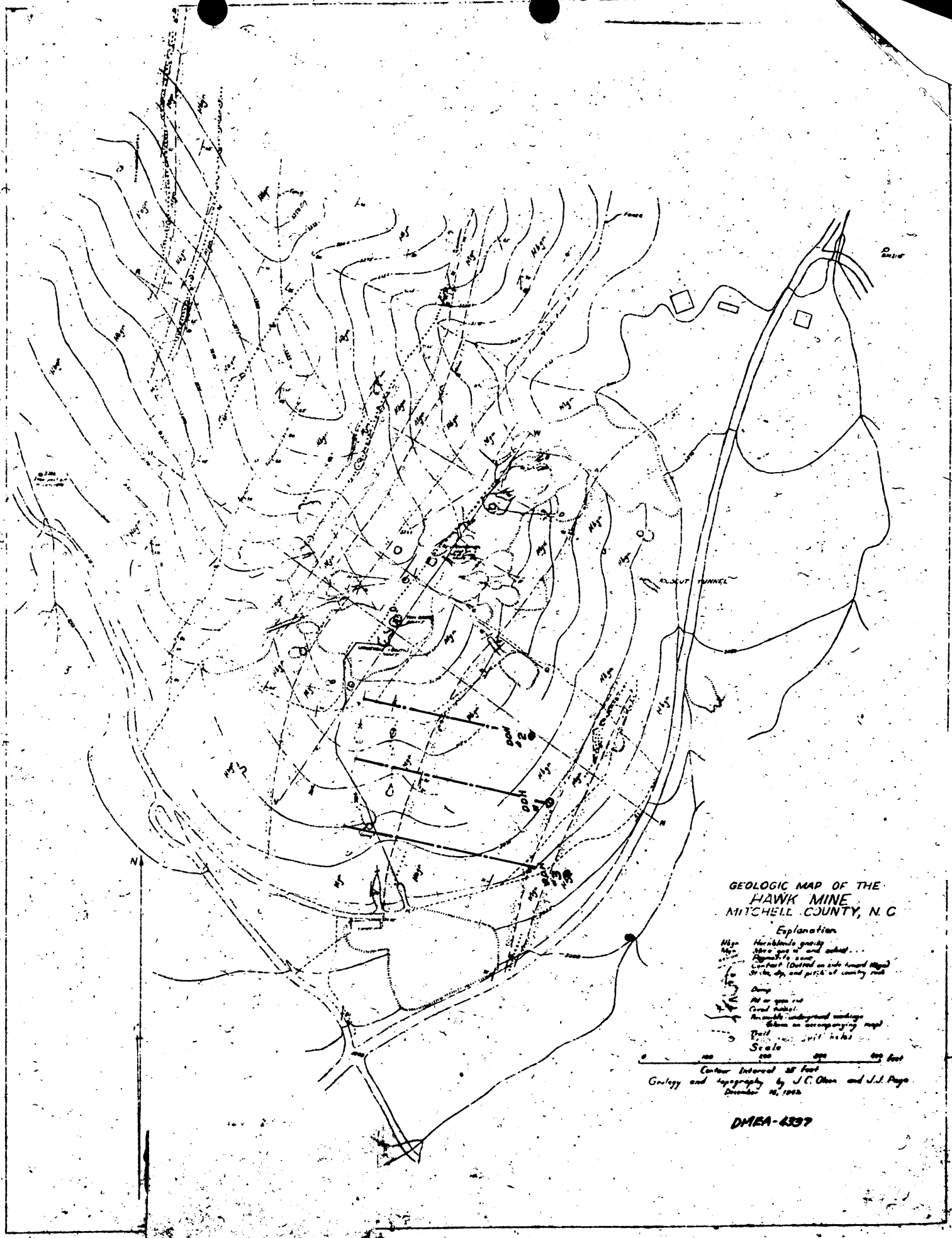
DMEA- [redacted] 4337



HAWK MINE

SCALE = 1:100

JUNE 4, 1955


GEOLOGIC MAP OF THE
HAWK MINE
MITCHELL COUNTY, N. C
Explanation
Hbgr Hornblende gneiss
Mgr Mica gneiss and schist
Pegmatite zone
Contact (Dotted on side toward Hbgr)
Strike, dip, and pitch of country rock
Dump
Pit or open cut
Caved tunnel
Accessible underground workings shown on accompanying map
Drill hole
Scale
0 100 200 300 400 feet
Contour interval 25 feet
Geology and topography by J.C. Olsen and J.J. Page
December 16, 1942
DMEA-4397
N
ROLLOUT TUNNEL
Hbgr
Mgr

MINING LEASE

State of North Carolina Mitchell County:

This indenture made this 22nd day of March, 1954,

between Heirs at Law of Stokes Buchanan and Bertie Wilson

of Mitchell County and State of North Carolina as party of the first part, and known as lessors, and Frank Phillips, George Reid and Johnny Wilson

of Mitchell County and State of North Carolina, party of the second part and known as lessee.

WITNESSETH, That the parties of the first part in consideration of One Dollar in hand received and hereby acknowledged by the lessor, and in consideration of the agreements hereinafter contained, on the part of the party of the second part to be performed, hereby bargains, leases and grants to the party of the second part, and his heirs and assigns, for the period of five years from the date of this agreement, the following described real property, for mining purposes, in the County and State first above written to wit:

A certain tract of land in Cane Creek Township, Mitchell County North Carolina, and known as the Hawk Mine, and adjoining the lands formerly owned by R.B. Buchanan, the Heap & Clapp interest and others and containing 11 acres more or less, and being all the Hawk Mine lands now owned in fee by the parties of the first part.

TO HAVE AND TO HOLD the said lands to him, for mining purposes, the said lessee and his heirs and assigns for the aforesaid period of five years in compliance with the condition of this instrument, for the purpose and with the right to dig, quarry, search, explore for, obtain, and remove any kind of minerals, metals or fossils, and particularly mica, and to conduct the same to any extent the said party of the second part, the lessee, may desire. And it is hereby agreed between the parties to this agreement that the party of the second part is to have the use of any unoccupied buildings on said lands for mining purposes, and that he shall have the right to erect such buildings as he needs to carry on such mining operatins during the period of this lease, and that the party of the second part shall keep the same in as good condition as when received, unavoidable accidents excepted. And it is also agreed by the party of the second part that no unnecessary damage is to be done to the lands herein leased during the period of this lease and the continuance of said lease, but the said party of the second part shall have the right to take from said lands leased to the party of the second part any wood or timber the party of the second part may need to carry on said mining operations or which may be needed to carry on the addition to existing buildings or to erect new buildings or sheds on said lands. (Timber of high or special market value is excepted and shall not be used by the lessee.) And it is hereby agreed that the party of the second part, the lessee, is to have right-of-way of ingress and egress to said mines or land upon which exploration is being conducted.

AND IT IS FURTHER AGREED That the party of the second part, the lessee hereby agrees to pay to the said part of the first part, or his or their heirs or assigns, a rental royalty of of one- eighth of the selling price of mica and seventy five cents per ton on feldspar

on the minerals taken and sold from said mines which shall be for the use of the said lands for the aforesaid period of five years. The said amounts shall be payable on the computation of selling bills on the tenth day of each month covering sales made during the previous month. Any minerals other than those set forth above which may be taken and sold shall be paid for and at the usual royalty rate of the minerals taken.

AND IT IS FURTHER AGREED That the lessee, the party of the second part, his heirs or assigns, shall have the option to renew this lease and to extend the period of its running for an additional five years from the date of its present termination. The option shall be exercised by giving formal written notice to the party of the first part or by the continuation of any mining operations then being conducted. The lessor reserve the right to use the land, or convey the same not conflicting with this lease, but under any conveyance the terms of this lease must be recognized by the grantee, purchaser, or assigns thereof. And it is agreed that the lessee may assign this mining lease or any part thereof and that he may sublease.

AND IT IS FURTHER AGREED That the lessee, the party of the second part, his heirs or assigns, is hereby given an option to purchase all the right, title and interest, legal and equitable to and in the real estate described and set forth in this lease for a total purchase price of _____, said purchase price to be paid in full within three years from the date of this instrument and it is agreed that all rental royalties paid to the party of the first part shall apply toward and be a part of the total purchase price above set forth, and that at such time that the total purchase price is paid in the form of royalties or a lump sum payment or a combination of both, the party of the first part will execute a special warranty deed to the party of the second part and that a tender of the remaining purchase price at any time within the next three years shall entitle the party of the second part to specific performance of this option contract.

BUT IT IS EXPRESSLY AGREED That unless mineral or fossil material of practical value for mining purposes shall be found within a period of two years from the date of this instrument, the lease may be terminated by the lessee at any time thereafter on thirty days notice to the lessor. The lessee agrees that during the period of this lease or the continuance of this lease work in said mines or exploration for new mines within the area leased shall not cease longer than ninety days at any one time, unavoidable accidents excepted.

WITNESS our hands and seals the day and year first above written.

Witness:
C. E. Blevins (Seal)
Ethel W. Blevins (Seal)
Richard W. Leuking (Seal)
Winifred G. Leuking (Seal)
Lane A. Wilson

Earle R. Buchanan (Seal)
Ruby Buchanan (Seal)
E.A. Buchanan (Seal)
Marie Buchanan (Seal)

Barbara Garvin (Seal)
Charles Buchanan (Seal)
Viola Buchanan (Seal)
W. E. Buchanan (Seal)
Grace McNeill Wilson (Seal)
(Seal)

North Carolina
Mitchell County

I, Nell D, Wilson, a Notary of Mitchell County, North Carolina, do hereby certify that C.E. Blevins and wife, Ethel Blevins, this day personally appeared before me and acknowledged the due execution of the annexed Mining lease. Let the instrument with this certificate be registered. Witness my hand and seal this the 23 day of March 1954.

Nell K. Wilson (Notary Seal)
My Commission expires; Sept. 23, 1955

North Carolina
Mitchell County,

I, Nell K. Wilson, a Notary Public in and for said County and State do hereby certify that Lane A. Wilson and wife, Grace M. Wilson, this day personallys appeared before and acknwoledged the due execution of the annexed mining lease. Witness my hand and Notarial Seal, this the 13 day of _____1954.

Nell K. Wilson
Notary Public

My Commission expires: 9-23-55

State of Michigan
Washtenaw County

I, Ruth W. Livingston, a Notary Public, in and for said County and State, do hereby certify that Barbara Garvin this day personally appeared before me and acknowledged the due execution of the annexed Mining Lease.

Witness my hand and Notarial Seal, this the 1st day of April, 1954.

Ruth W. Livingston
Notary Public

My Commission expires: May 15, 1955

State of Kentucky
Campbell County

I, Violet Wilemon, a Notary Public in and for said County and State do hereby certify that Richard Lueking and wife Winifred G. Lueking this day personally appeared before me and acknowledged the due exectuion of the annexed Mining Lease.

Witness my hand and Notarial Seal, this the day of March 27, 1954

Violet Wileman
Notary Public

My Commission expires: Sept 28, 1956

State of Tennessee
Washington County

I, H.G. Hughes, a Notary Public in and for said County and State, do hereby certify that Earl Buchanan and wife Ruby B. Buchanan, Ernest A. Buchanan and wife Marie H. Buchanan, Will Edd Buchanan and wife Viola Buchanan, and Charles Buchanan this day personally appeared before me and acknowledged the due exectuion of the annexed Mining Lease.

Witness my hand and Notarial seal, this the 6th day of April 1954.

H. G. Hughes
Notary Public

My Commission expires Jan. 10th, 1958

State of North Carolina
Mitchell County

The foregoing certificate of Nell K. Wilson, a Notary Public of the above County and and State, and the certificate of Ruth W. Livingston, a Notary Public of the State of Michigan and County of Washtenaw, and the certificate of Violet Wilson, a Notary Public of the State of Kentucky and County of Campbell, and the certificate of H.D. Hughes, a Notary Public of the State of Tennessee and County of Washington, each with their seals attached are adjudged to be in due form and according to law. Let the instrument with the certificate be registered.

This the 13th day of April, 1954.

R. P. Greene
Clerk Superior Court

Filed for registration on the 13th day of April 1954 at 11:30 A. M.

John Hobson Jr.
Register of Deeds

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. 3779
Metal or Mineral Mica
Date Received 4-18-55
Estimated Cost $38,500
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: FRANK W PHILLIPS, SPRUCE PINE, N. C. PARTNER
GEORGE REID, BAKERSVILLE, N C PARTNER
JOHNNY WILSON, BAKERSVILLE, N C PARTNER

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

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

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for 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.

RECEIVED
APR 14 1955
Geologic Division
Knoxville, Tenn.

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 LEASE ENCLOSED

(*b*) State any mine name by which the property is known. HAWK MINE

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

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

(*e*) If you own the land, describe any liens or encumbrances on it

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

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

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

(*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 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.

(*c*) The work will start within 30 days and be completed within 24 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.

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

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☒ Use of equipment owned by you ☒ Other (LABOR)

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 April 12, 1955

Hawk Mining Co.
(Applicant)

By Frank W. Phillips, Partner

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

FRANK W. PHILLIPS
INGALLS, N. C.

HAWK MINE

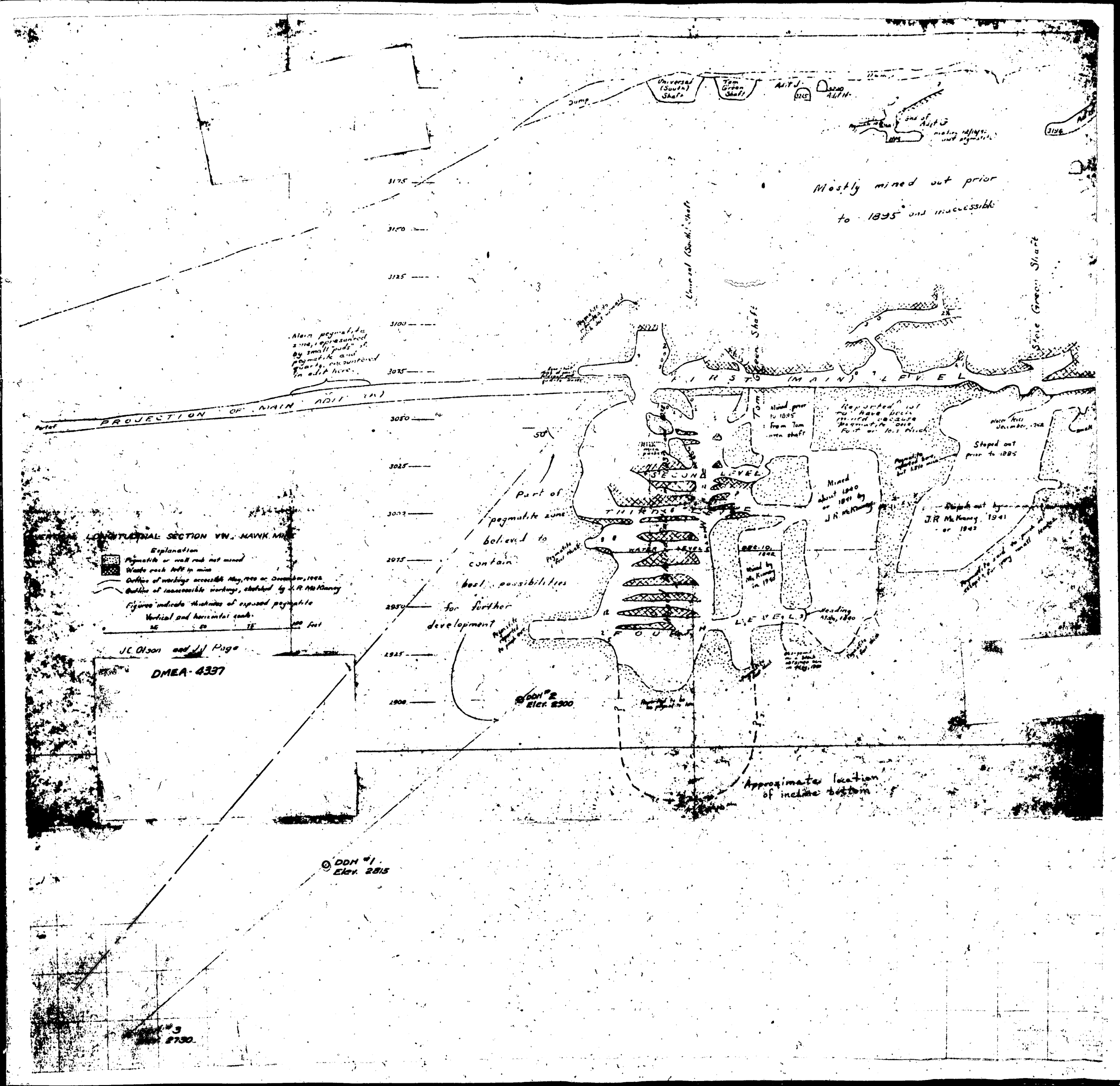
This mine is one among the oldest mines to have been worked in this country. The exact amount of mica sold is not known, but it has been a c onstant producer and has furnished the largest blocks of mica found in this area. We have done over $8000 bulldozing here during the last 18 months and have reclaimed enough mica from the muck left in old workings to pay the bulldozing and other expenses. This was due to the fact that mica from this mine is of highest quality. The mine has been worked on a continous vein and has reached a depth that has made it too expensive for old methods of mining.

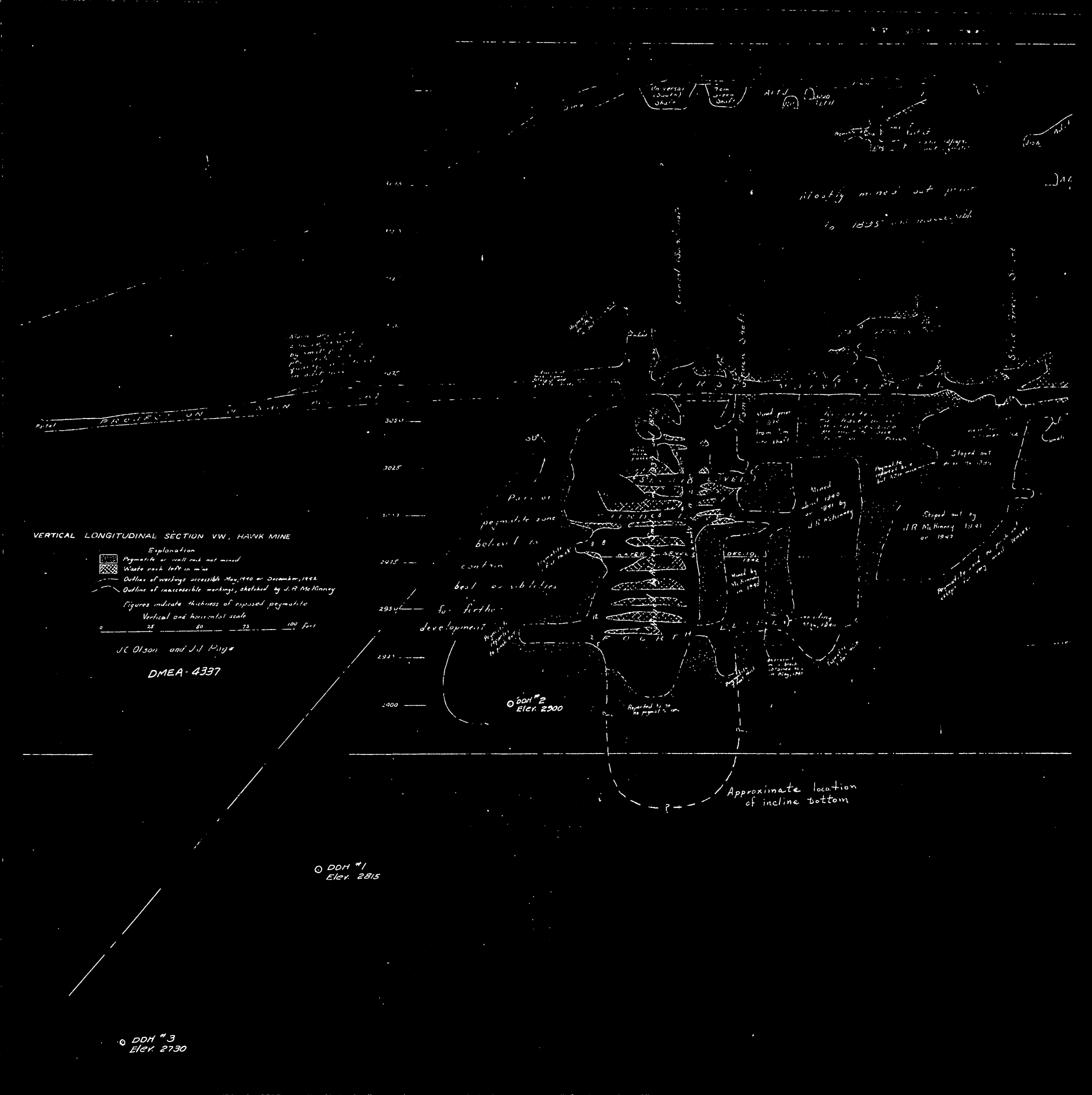
Hawk Mine is located midway between two State maintained graveled highways, the center of old operations being about 200 ft. above level of said highways and approximately 400ft. from each. The vein is believed to be running under each highway at a considerable depth.

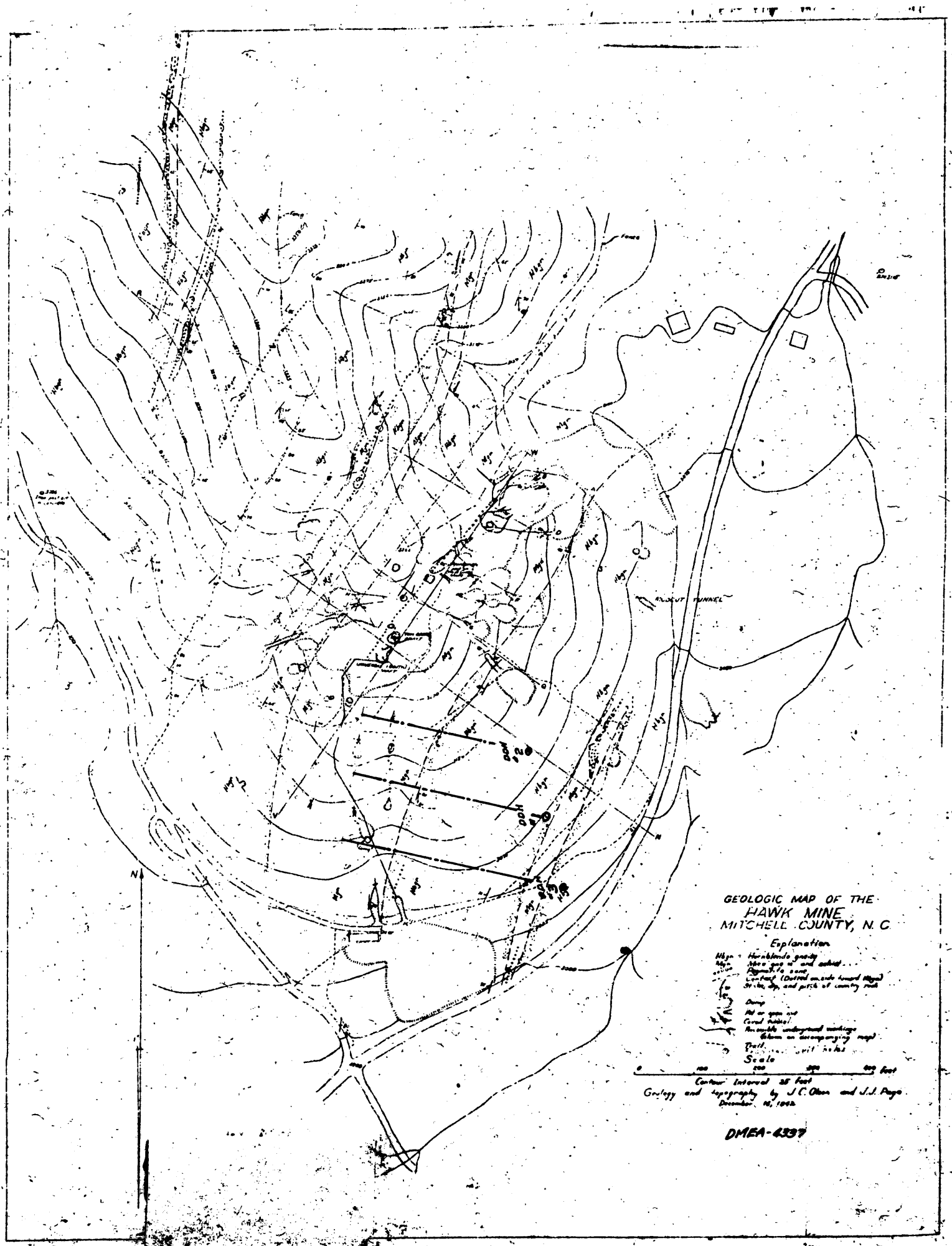
Man-power, material, supplies, equipment, water and power are available.

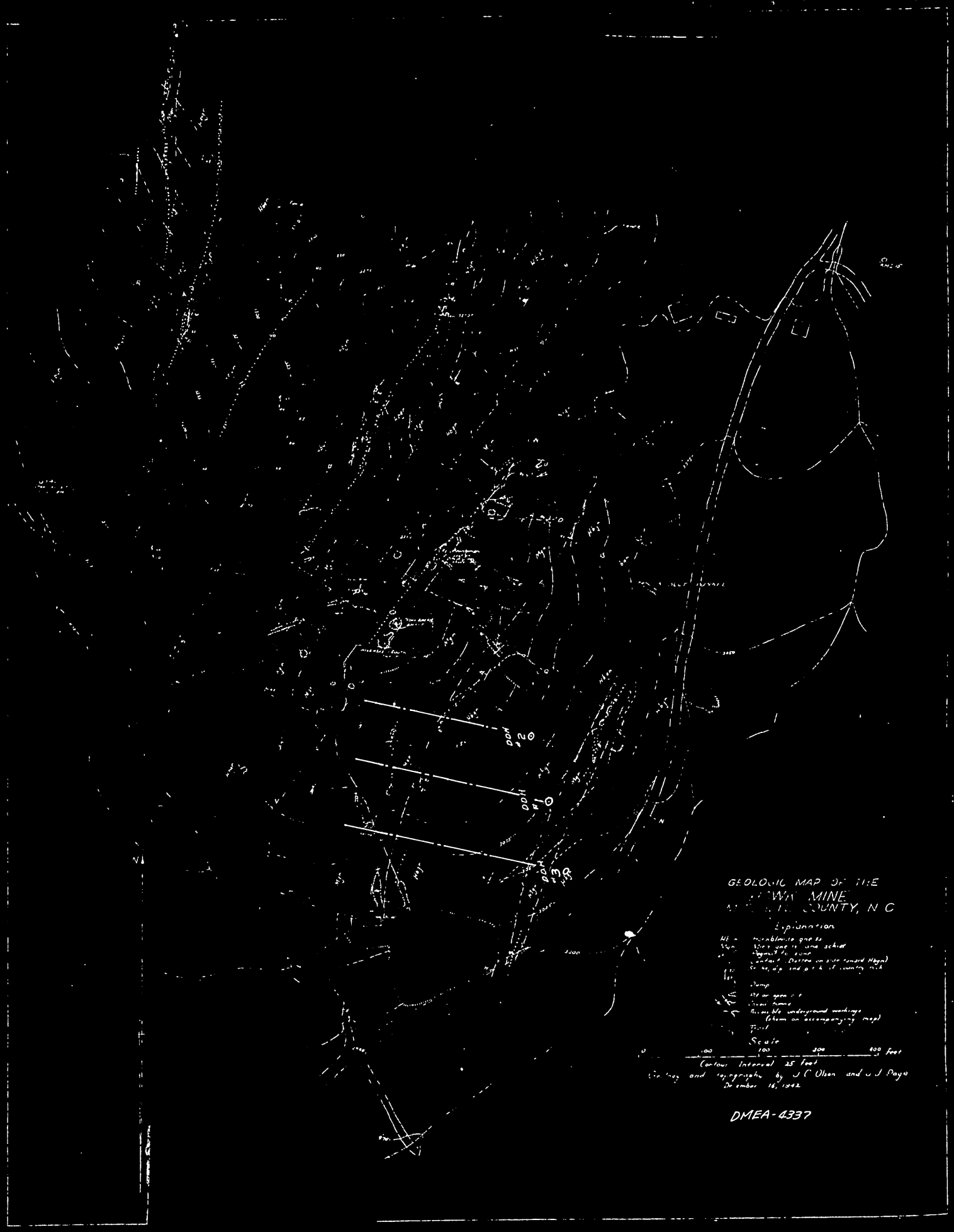
Applicants desire to: 1. Core drill 3 holes, if first two should not prove satisfactory, to a depth of 500 ft. @ $6.00 ----- $9000; 2. Sink shaft 5 ft. x 8 ft. 350 ft. @ $50.00 ------ $17,500; 3. Drift 200 ft. in each direction of vein @ $30.00 ------ $12,000.

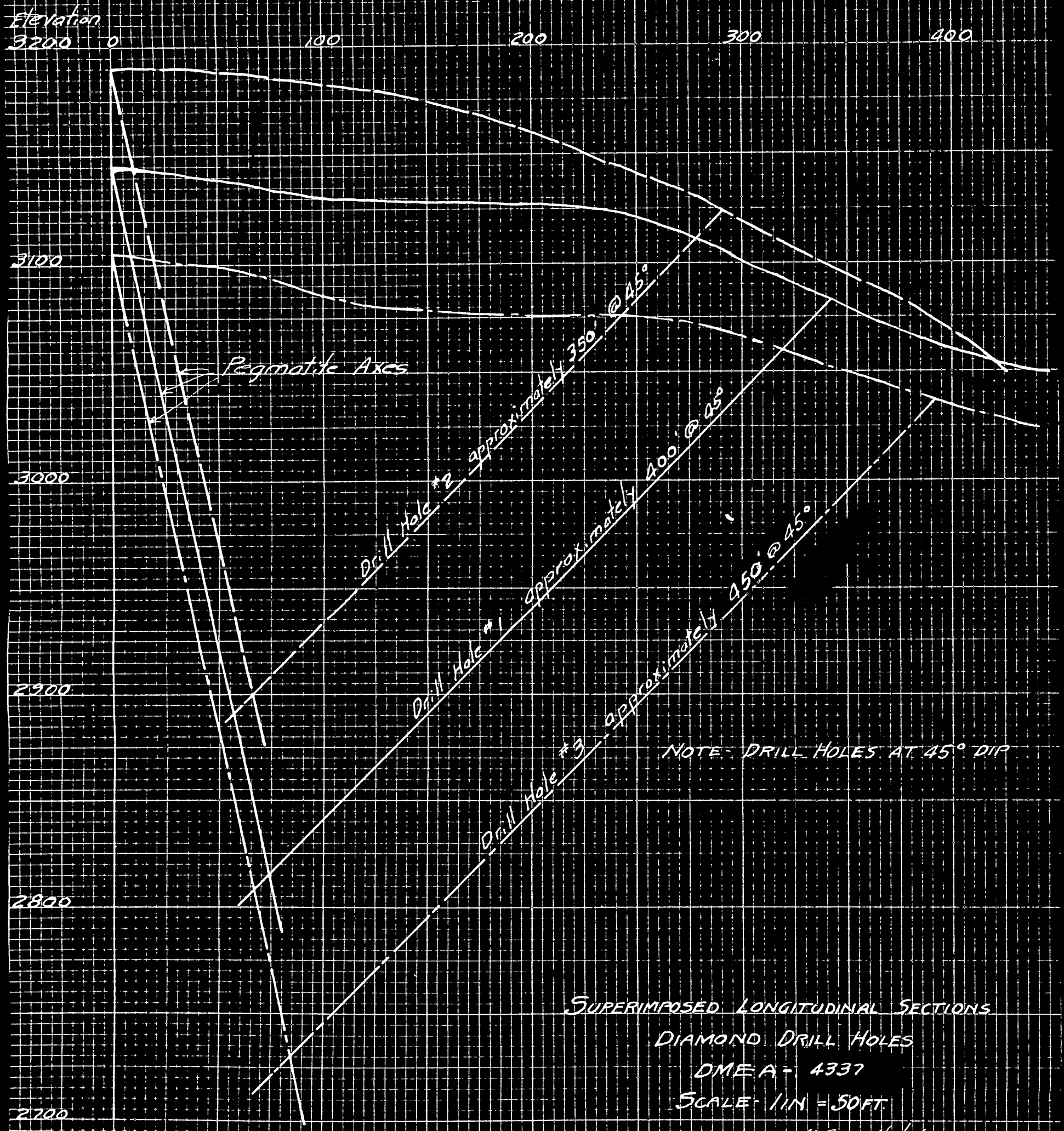
9000
17,500
12,000
38,500


Universal (South) Shaft
Tom Green Shaft
Adit J
Adit H
Dump
End of Adit G
Mostly mined out prior to 1895 and inaccessible
Universal (South) Shaft
Tom Green Shaft
Steve Green Shaft
Main pegmatite zone, represented by small pods of pegmatite and quartz, encountered in adit here.
PROJECTION OF MAIN ADIT (H)
Portal
FIRST (MAIN) LEVEL
Mined prior to 1895 from Tom Green shaft
Reported not to have been mined because pegmatite zone too thin or less block
Stoped out prior to 1885
SECOND LEVEL
THIRD LEVEL
Mined about 1940 or 1941 by J.R. McKenny
Stoped out by J.R. McKenny, 1941 or 1942
WATER LEVEL
FOURTH
Part of pegmatite zone believed to contain best possibilities for further development
Approximate location of incline bottom
DDH #2 Elev. 2900
DDH #1 Elev. 2815
DDH #3 2750
3175
3150
3125
3100
3075
3050
3025
3000
2975
2950
2925
2900
VERTICAL LONGITUDINAL SECTION VW, HAWK MINE
Explanation
Pegmatite or wall rock not mined
Waste rock left in mine
Outline of workings accessible May, 1940 or December, 1942
Outline of inaccessible workings, checked by J.R. McKenny
Figures indicate thickness of exposed pegmatite
Vertical and horizontal scale
25 50 75 100 feet
J.C. Olson and J.J. Page
DMEA-4337


VERTICAL LONGITUDINAL SECTION VW, HAWK MINE
Explanation
Pegmatite or wall rock not mined
Waste rock left in mine
Outline of workings accessible May, 1940 or December, 1942
Outline of inaccessible workings, sketched by J. R. McKinney
Figures indicate thickness of exposed pegmatite
Vertical and horizontal scale
0 25 50 75 100 feet
J.C. Olson and J.J. Page
DMEA-4337
Universal (South) Shaft
Zom Green Shaft
Mostly mined out prior to 1895 or inaccessible
Mined prior to 1940 from 1m incline shaft
Stoped out prior to 1895
Mined about 1940 or 1941 by J.R. McKinney
Stoped out by J.R. McKinney 1941 or 1942
Part of pegmatite zone below 1m contain best possibilities for further development
DEC. 10, 1942
Mined by J.R. McKinney in 1940
Working Mar. 1941
Reported to be no pegmatite in 1941
Approximate location of incline bottom
DDH #2 Elev. 2900
DDH #1 Elev. 2815
DDH #3 Elev. 2730
3050
3025
2975
2950
2925
2900


GEOLOGIC MAP OF THE
HAWK MINE
MITCHELL COUNTY, N. C.
Explanation
Hbgn - Hornblende gneiss
Mbgn - Mica gneiss and schist
Pegmatite zone
Contact (Dotted on side toward Hbgn)
Strike, dip, and pitch of country rock
Dump
Pit or open cut
Caved tunnel
Accessible underground workings shown on accompanying map
Drill hole
Scale
0 100 200 300 400 feet
Contour Interval 25 feet
Geology and topography by J.C. Olsen and J.J. Page
December 16, 1942
DMEA-4337
N
OUTCROP TUNNEL
DDH 1
DDH 2


GEOLOGIC MAP OF THE
MINE
COUNTY, N C
Explanation
Dump
Scale
0
100
200
300
400 feet
Contour Interval 25 feet
December 16, 1942
DMEA-4337


Elevation
3200
0
100
200
300
400
3100
3000
2900
2800
2700
Pegmatite Axes
Drill Hole #2 approximately 350' @ 45°
Drill Hole #1 approximately 400' @ 45°
Drill hole #3 approximately 450' @ 45°
NOTE - DRILL HOLES AT 45° DIP
SUPERIMPOSED LONGITUDINAL SECTIONS
DIAMOND DRILL HOLES
DME A - 4337
SCALE - 1 IN = 50 FT.
WCA - 6/8/56

orm 7
-56)

OFFICIAL FILE COPY

Date	Surname	Code
5/20	Anderson	600
		600
		110
		100
		220

600

May 20, 1958

Project Summary Report

By: Walter C. Anderson, Division of Nonmetallic Minerals

1. Docket No. DMEA-4337-Mica
Contract No. Idm-E977
Hawk Mine
Mitchell County, North Carolina

Application: Form MF-103(April 1952) received April 18, 1955.
Work proposed by Applicant:

Diamond drill holes - 1500 feet @ $6.00/ft.	$9,000.00
350 feet of shaft @ $50.00/ft.	17,500.00
400 feet of drifts @ $30.00/ft.	12,000.00
Amount requested (total)	$38,500.00

Operator: Frank W. Phillips, George Reid and
Johnny Wilson, d/b/a Hawk Mining Company
Spruce Pine, North Carolina

Operator's property rights: Five year mining lease on the Buchanan and Wilson Property consisting of eleven acres, dated March 22, 1955. Consent to Lien of Owners, dated December 5, 1955.

2. Contract: Form MF-200A(April 1956), dated July 23, 1956.
Work authorized:

1300 feet of diamond drilling with NX bit @ $5.20/ft.	$6,760.00
Estimated total cost of project	$6,760.00
Government participation @ 75%	$5,070.00

Amendments: No. 1, 10/8/56,
approves drilling with BX, or BX and AX bits when ground conditions make it impossible to complete a hole with NX bit.
" No. 2, 10/26/56,
the provision in Amendment No. 1, that hole reduction should be from NX to BX to AX was changed for Hole No. 2 only, from NX to AX.

Work completed:

421.3 feet of NX diamond drilling @ $5.20/ft.	$2,190.76
395.5 feet of BX diamond drilling @ $4.70/ft.	1,858.85
413.2 feet of AX diamond drilling @ $4.25/ft.	1,756.10
1230.0 - total allowable footage under contract	
Total accepted cost	$5,805.71
Government participation @ 75%	$4,354.28

Work began during the second week of August, 1956, and completed on March 18, 1957.

Field Team Final Report received April 30, 1958.

Operator's Final Report received December 9, 1957.

No equipment purchased under contract. Up to the present time Operator has sold $15,323.81 worth of mica, for which royalties of $766.19 have been paid, which was produced from development to the southwest on the lowest levels of the old works.

3. Audit: Report of Review issued December 10, 1957.

Total accepted cost	$5,805.71
Government participation @ 75%	$4,354.28

4. Certification of Discovery issued April 18, 1958.

It can be inferred that there exists a large strategic mica reserve. No accurate reserve estimate can be made because no specific information is available as to the ratio of country-rock to pegmatite with the zone or the ratio of mica-rich to barren pegmatite.

5. Comments:

How Conducted: All of the work in which the Government participated was acceptable.

Operation: The Operator's inexperience and occasional negligence proved to be very costly to him. However, in spite of this, the drillers produced a core recovery of better than 98 percent below the weathered zone.

Engineering: Reporting by Operator was acceptable.

Geologic Premise: The continuance of the pegmatite to the southwest was proven by the contract drilling.

Geologic Criteria upon which work was based:

1. Pegmatite: Several zoned pegmatites of "pinch and swell" type, maximum thickness 12 feet and pinching to one foot. The enclosing rock is hornblende gneiss.
2. Mica: Strategic quality, clear, light-rum color.
3. Old Workings: Extensive mining carried on for many years. During last two years a 100 foot trench has been cut costing $8,000. Mica produced in the past is estimated by the Examiners to have a value of $1,500,000 at present prices.

Geologic Criteria developed during project:

1. Pegmatite: Mica-rich and continuing south-westward from the old workings for a distance of at least 250 feet. Is a zone of concordant, discontinuous lenses, and elongate pinching and swelling structures, arranged en echelon down dip and to the southwest. Thickness - one to 12 feet. Poorly zoned mixture of medium to coarse-grained oligoclase, interstitial quartz, and muscovite. Country rock is more or less uninterrupted sequence of fine-to medium-grained quartz-muscovite-biotite gneiss.
2. Mica: Clear, light reddish brown, occurring in large books. Worst defect is ruling, some minor bending, and little mineral intergrowth.
3. Mica production and reserves:

Future Possibilities: Good, main problem in future exploration is to probe for minable thicknesses of pegmatite.

Recommendations: Because of the indicated continuity of the mica-rich Hawk pegmatite zone and the possible occurrence of a favorable

parallel zone, the Field Team recommends certification of the project. The Division of Nonmetallic Minerals and the Commodity Members of the Bureau of Mines and Geological Survey concur.

Walter C. Anderson

Walter C. Anderson
Division of Nonmetallic Minerals

WCAnderson:rsi 5/20/58
Copy to: Admr. R. File
Mr. Johnson
Mr. Houk

Mr. John[redacted],

Should closing letter be written to

Hawk Mining Company
c/o Henrietta Phillips,
Executrix Frank W. Phillips Estate
Spruce Pine, North Carolina

Yes

Also, 15 individuals have signed the Consent to Lien

but I can find no addresses. Can we omit sending copies of the closing letter or should I send them to Laurence in Knoxville to see if he has addresses and will forward copies to the individuals?

Omit

Marion

In closing letter suggest to Henrietta Phillips that she advise the various owners of the property

[illegible] 5, 1955

Certification dated
April 18, 1958

July 23, 1956 to July 23, 1966

Consent to Lien
dated
Dec. 5, 1955

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

GEOLOGICAL SURVEY

OFFICIAL COPY
O. M. E.
RECEIVED
JUL 27 1966

INITIALS	CODE
du	120
JW	110
	120

JUL 7 1966

REGISTERED MAIL
RETURN RECEIPT REQUESTED

Hawk Mining Company
c/o Frank W. Phillips
Spruce Pine, North Carolina

Re: DMEA-4337 (Mica)
Hawk Mining Company
Mitchell County, N. C.
Contract Idm-E977

Gentlemen:

The Government holds a lien upon the land under the subject contract and upon any production therefrom. In order to assist us in assuring the accuracy of our records we require a report as to whether or not there has been any production from the Hawk mine since the date of the last report of October 5, 1964, was made on the property.

Your cooperation in furnishing such a report will enable us to close our records on this case and will be greatly appreciated.

Sincerely yours,

Frank E. Johnson

Frank E. Johnson
Chief, Office of
Minerals Exploration

No production from this mine since Oct. 5 1964 -

Henrietta T Phillips
executrix Frank W Phillips estate

INSTRUCTIONS TO DELIVERING EMPLOYEE

☐ Deliver *ONLY* to addressee

☐ Show address where delivered

(Additional charges required for these services)

RECEIPT

Received the numbered article described on other side.

SIGNATURE OR NAME OF ADDRESSEE *(must always be filled in)*

Hazel Manning

SIGNATURE OF ADDRESSEE'S AGENT, IF ANY

Susan C. Phillips

DATE DELIVERED	SHOW WHERE DELIVERED *(only if requested)*
7-11-66	4337

C55—16—71548-5—F GPO

POST OFFICE DEPARTMENT
OFFICIAL BUSINESS

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

SPRUCE PINE, N.C.
JUL 11
PM
1966
28777

POSTMARK OF DELIVERING OFFICE

INSTRUCTIONS: Fill in items below and complete instructions on other side, if applicable. Moisten gummed ends, attach and hold firmly to back of article. Print on front of article RETURN RECEIPT REQUESTED.

RETURN TO

REGISTERED NO. 500970	NAME OF SENDER U.S. Geological Survey Office of Minerals Exploration
CERTIFIED NO.	STREET AND NO. OR P. O. BOX Department of the Interior
INSURED NO.	CITY, STATE, AND ZIP CODE Washington, D.C. 20242

POD Form 3811 Sep. 1963

CSS—16—71548-6—F

4337

DMEA - 4337

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
		110
7/7/66	Kiikema	120
		220

REGISTERED MAIL
RETURN RECEIPT REQUESTED

JUL 7 1966

Hawk Mining Company
c/o Frank W. Phillips
Spruce Pine, North Carolina

Re: DMEA-4337 (Mica)
Hawk Mining Company
Mitchell County, N. C.
Contract Idm-E977

Gentlemen:

The Government holds a lien upon the land under the subject contract and upon any production therefrom. In order to assist us in assuring the accuracy of our records we require a report as to whether or not there has been any production from the Hawk mine since the date of the last report of October 5, 1964, was made on the property.

Your cooperation in furnishing such a report will enable us to close our records on this case and will be greatly appreciated.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's reading file
Division file
Economic Geology file
OME file
OME reading file
OME Region IV-Mr. Laurence
120m
FEJohnson/bih 7/7/66

23263

INSTRUCTIONS TO DELIVERING EMPLOYEE

☐ Deliver *ONLY* to addressee

☐ Show address where delivered

(Additional charges required for these services)

RECEIPT

Received the numbered article described on other side.

SIGNATURE OR NAME OF ADDRESSEE *(must always be filled in)*

Frank A. Phillips Jr.

SIGNATURE OF ADDRESSEE'S AGENT, IF ANY

Vivian C. Phillips

DATE DELIVERED	SHOW WHERE DELIVERED *(only if requested)*
5-3-66	

C55—16—71548-5—F GPO

4337

POST OFFICE DEPARTMENT
OFFICIAL BUSINESS

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

SPRUCE PINE, N.C.
MAY 3
PM
1966
28777

POSTMARK OF DELIVERING OFFICE

INSTRUCTIONS: Fill in items below and complete instructions on other side, if applicable. Moisten gummed ends, attach and hold firmly to back of article. Print on front of article RETURN RECEIPT REQUESTED.

RETURN TO

REGISTERED NO. 500219	NAME OF SENDER U. S. Geological Survey Office of Minerals Exploration
CERTIFIED NO.	STREET AND NO. OR P. O. BOX Dept. of the Interior
INSURED NO.	CITY, STATE, AND ZIP CODE Washington, D. C. 20242

POD Form 3811 Sep. 1963

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

October 5, 1964

Hawk Mining Company
c/o Mr. Frank W. Phillips
Spruce Pine, North Carolina

Re: DMEA-4337 (Mica)
Hawk Mining Company
Hawk Mine
Mitchell County, N. C.
Contract Idm-E977

Gentlemen:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

George C. Selfridge

George C. Selfridge, Chief
Division of Exploration Operations

OFFICIAL FILE COPY
O. M. E.
RECEIVED OCT 12 1964

DATE	INITIALS	CODE
10/12	[illegible]	8140
10-13	[illegible]	100
10/13	[illegible]	110
10/13	mm	120
		120

MME Form 63
Revised 3-62

DMEA-4337
Idm-E977

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since December 1963, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☑

2. Since December 1963, has there been any production from the land subject to the contract? Yes ☐ No ☑

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity		Estimated Grade	Location
Ore		Tons		
Concentrates		Tons		
Other		Tons		

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☑

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name (Miss) Kathleen Bluino Title Bookkeeper

Address Rt-4, Bakersville N.C. Date 10-8-64

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
1/7/64	GCS	120
		220

JAN 8 1964

Hawk Mining Company
c/o Mr. Frank W. Phillips
Spruce Pine, North Carolina

Re: IMEA-4337 (Mica)
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina
Contract Idm-K977

Gentlemen:

Enclosed for your information and files is a copy of a Report of Royalty Review, dated January 7, 1964, prepared by our Division of Administration and Audit.

Sincerely yours,

George C. Selfridge (gla)

Chief, Division of Field Operations

Enclosure

GCSelfridge/gla (1-7-64)
cc to: Director's Reading File
CA&A Division
G. C. Selfridge
Mr. Laurence, Reg. IV, USGS
Mr. Reed, USBM, Reg. IV

23263

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
1/7/64	Selfridge	120
		220

JAN 8 1964

Memorandum

To: Chief, Fiscal Section, Office of Management Operations, Office of the Secretary

From: Chief, Division of Field Operations, OME

Subject: DMEA-4337 (Mica)
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina
Contract Idm-E977

Enclosed for your files is the original of a Report of Royalty Review, dated January 7, 1964, on the subject contract.

George C. Selfridge (gla)

Enclosure

GCSelfridge/gla (1-7-64)
cc to: Docket
CA&A Division
Director's Reading File
G. C. Selfridge
R. A. Laurence, USGS, Reg. IV, w/cy of Report of Royalty Review dtd 1/7/64 & orig. cy of memo, dtd 1/7/64, to Chief, Div. of Field Operations from CA&A Division.
Avery Reed, USBM, Reg. IV, w/cy of each item sent to Mr. Laurence

23263

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
		220

JAN 7 1964

Memorandum

To: Chief, Division of Field Operations

From: E. D. Talbert, Chief (Signed) E. D. Talbert
Contract Administration and Audit Division

Subject: DMEA-4337 (Mica)
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina
Contract Idm-E977

Enclosed are the original and three copies of a Report of Royalty Review covering the subject Region IV contract. If you concur in the facts stated therein, please make the following distribution:

(a) Original to the Fiscal Section, Office of Management Operations, Office of the Secretary; and
(b) One copy to the Operator; and
(c) Two copies to Region IV files.

As evidence of your concurrence, a copy of your letter transmitting the copy to the Operator should be furnished to this Division. If for any reason you do not concur, the original and all copies of the report should be returned to this Division with your comments.

Enclosures

EDTalbert/ama 1-7-64

cc:
Docket
Director's Reading File
CA & A Division
Fiscal Section

43683

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

December 4, 1963

OFFICIAL FILE COPY
O. M. E
RECEIVED DEC 12 1963

DATE	INITIALS	CODE
12/19	[illegible]	800
12/19	[illegible]	100
12/18	on leave	170
12/19	Murphy	500
		220

Re: DMEA-4337 (Mica)
Hawk Mining Company
Hawk Mine
Mitchell County, N. C.
Contract Idm-E977

Hawk Mining Company
c/o Mr. Frank W. Phillips
Spruce Pine, North Carolina

Gentlemen:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Your reply on November 28, 1962, to a similar request for information is noted. However, we require a report on all certified properties at least once a year; therefore, will you kindly complete and return two copies of this form for our records.

Sincerely yours,

s/F. M. Murphy

F. M. Murphy, Acting Chief
Division of Minerals

1964 during ask about lease because of [illegible] of operation

Noted.
[illegible]

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since November 28, 1962, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☑

2. Since November 28, 1962, has there been any production from the land subject to the contract? Yes ☐ No ☑

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value

   B. If stockpiled awaiting sale, state quantity, grade, and location. None

Type	Quantity		Estimated Grade	Location
Ore		Tons		
Concentrates		Tons		
Other		Tons		

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☑

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name Hawk Mining Co. Title Kathleen Blevins Bookkeeper

Address Spruce Pine, NC Date 12-10-63

4511

#1-INSTRUCTIONS TO DELIVERING EMPLOYEE

☐ Deliver *ONLY* to addressee

☐ Show address where delivered

(Additional charges required for these services)

RETURN RECEIPT

Received the numbered article described on other side.

SIGNATURE OR NAME OF ADDRESSEE *(must always be filled in)*

Hawk Mining Co 4337

SIGNATURE OF ADDRESSEE'S AGENT, IF ANY

Albert Conifer

DATE DELIVERED	ADDRESS WHERE DELIVERED *(only if requested in item #1)*
11-26-62	

C55—16—71548·4 GPO

POST OFFICE DEPARTMENT
OFFICIAL BUSINESS

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

POSTMARK OF DELIVERING OFFICE

INSTRUCTIONS: Fill in items below and complete #1 on other side, when applicable. Moisten gummed ends and attach to back of article. Print on front of article RETURN RECEIPT REQUESTED.

RETURN TO

REGISTERED NO.	NAME OF SENDER
598448	DEPT OF INTR (MIN EXPL)
CERTIFIED NO.	STREET AND NO. OR P. O. BOX
	18TH AND C ST.N.W.
INSURED NO.	CITY, ZONE AND STATE
	WASHINGTON 25.d.c.

Form 3811 Jan. 1958

C55—16—71548·4

OFFICIAL FILE COPY
O. M. E
RECEIVED NOV 29 1962

DATE	INITIALS	CODE
11/28	[illegible]	800
11/30	[illegible]	500

DMEA-4337

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

November 21, 1962

Re: DMEA-4337 (Mica)
Hawk Mining Company
Hawk Mine
Mitchell County, N. C.
Contract Idm-E977

OFFICIAL FILE COPY
O. M. E
RECEIVED NOV 28 1962

DATE	INITIALS	CODE
11/28	[illegible]	800
		120
		~~700~~
		110
11/29	Holt 5.1.11	500
		320

REGISTERED MAIL
RETURN RECEIPT REQUESTED

Hawk Mining Company
c/o Mr. Frank W. Phillips
Spruce Pine, North Carolina

Gentlemen:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

W. R. Griswold, Chief
Division of Minerals

There has been no operation in this mine since 1960, nor will it be re-opened. It is Closed.

Final Tax Return was filed April 15, 1961.

Frank W. Phillips Co., Inc.
Kathleen Blevins, Bookkeeper

MME Form 63
Revised 3-62

DMEA-4337 (Mica)
Idm-E977

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since January 9, 1962 , has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☐

2. Since January 9, 1962 , has there been any production from the land subject to the contract? Yes ☐ No ☐

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value
_____	_____	_____
_____	_____	_____

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity		Estimated Grade	Location
Ore	_____	Tons	_____	_____
Concentrates	_____	Tons	_____	_____
Other	_____	Tons	_____	_____

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☐

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value
_____	_____	_____

Submitted by:

Name _____ Title _____

Address _____ Date _____

4511

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

September 26, 1962

Re: DMEA-4337 (Mica)
Hawk Mining Company
Hawk Mine
Mitchell County, N. C.
Contract Idm-E977

Hawk Mining Company
c/o Mr. Frank W. Phillips
Spruce Pine, North Carolina

Gentlemen:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

W. R. Griswold

W. R. Griswold, Chief
Division of Minerals

MME Form 63
Revised 3-62

DMEA-4337
Idm-E977

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since January 9, 1962, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☐

2. Since January 9, 1962, has there been any production from the land subject to the contract? Yes ☐ No ☐

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value
_____		
_____	_____	_____

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity		Estimated Grade	Location
Ore	_____	Tons	_____	_____
Concentrates	_____	Tons	_____	_____
Other	_____	Tons	_____	_____

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☐

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value
_____	_____	_____

Submitted by:

Name _____ Title _____

Address _____ Date _____

4511

DMEA Form 18
Feb. 58

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ANALYSIS OF SEMIANNUAL REPORT OF CERTIFIED PROJECT

Prepare in duplicate. File original in Official Docket. Send copy

To: Statistics Branch (Code 210)

From: Division of Minerals - Micas

Report Period 1/1/59 to 6/30/59

DMEA No.	Operator	Contract No.
4337	Hawk Mining Company	Idm-E 977

ORE ESTIMATES

	Tons	Analysis
DMEA		
Operator to date		
Total		
Production to date	Sheet Mica - 1.84 Scrap & Punch 13.40	Value - $67,951.26 " - 637.86
Ore in ground		

INVESTMENT

Type	Size		Feet	Cost
Shafts				
Winzes				
Drifts and Crosscuts				
Raises				
Drilling	Type			
Rehabilitation	Description			

FACILITIES

Mine Plant		
Mill		
Roads		

REMARKS

Mr. Phillips told the members of the field team that the mine is not being operated at the present time.

Prepared by J. W. Cell Date 9/3/59

31398

OFFICIAL FILE COPY

Date	Surname	Code
		220

Memorandum

JUL 30 1962

To: Chief, Fiscal Section
Division of Administrative Services
Office of the Secretary

From: E. D. Talbert, Acting Chief (Signed) E. D. Talbert
Contract Administration and Audit Division

Subject: DMEA-4337 (Mica)
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina
Contract Idm-E977

Enclosed for deposit to the subject DMEA account under symbol 14X4401 as a royalty receipt is check no. 1303 dated July 26, 1962, drawn in the amount of $45.72 by the Frank W. Phillips Company, Inc., Spruce Pine, North Carolina, on The Northwestern Bank, Spruce Pine, North Carolina.

This check is in payment of royalty delinquently due the Government on April, July, and August 1959 and January 1962 sales of production by J. E. Wilson, c/o Mitchell Lumber Co., Spruce Pine, North Carolina. The payment is in response to a July 5, 1962, payment request addressed to the Operator by the Director, OME.

Enclosure

EDTalbert/ama 7-30-62

cc:
Docket
Director's Reading File
CA & A Division
Region IV Files (2)

43683

DMBA - 4337
Hawk Mining Company
Idm - E977

Detach Voucher

Payment of the Following:

Balance due on Royalty to Government from Hawk Mining Co.

OFFICIAL FILE COPY
O. M. E
RECEIVED JUL 30 1962

DATE	INITIALS	CODE
7/30	[illegible]	8 [illegible]
		7 [illegible]

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
7/5	Talbert	800
"	Holt	500
	Maxwell	500
7/5	Davison	120
"	Johnson	110
		~~100~~
		220

JUL 5 1962

Hawk Mining Company
c/o Frank W. Phillips
Spruce Pine, North Carolina

Re: DMEA-4337 (Mica)
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina
Contract Idm-5977

Dear Sirs:

Under provisions of the referenced exploration project contract you agreed to pay, as principal if the producer or as surety if not the producer, a percentage royalty to the Government on all minerals mined or produced from the land described in the contract during a period of 10 years from the date of the contract or until the Government's contribution to exploration costs had been fully repaid. The contract is dated July 23, 1956, and the Government's contribution amounted to $4,354.23 of which $3,429.45 has been repaid to date.

Our records disclose four purchases of trimmed mica by the G.S.A. Mica Purchase Depot, Spruce Pine, North Carolina, from J. B. Wilson, c/o Mitchell Lumber Co., Spruce Pine, North Carolina, representing production from this property on which royalty due to, but unpaid to, the Government amounts to $45.72 as shown below:

Lot No.	Pounds	Total Payment	Date settlement approved by Depot
SPAO-475(a)	9.81	$114.80	April 15, 1959
" - 12(a)	40.21	594.62	July 24, 1959
" - 51(a)	16.93*	195.57	August 24, 1959
" - 89(a)	1.00*	9.48	January 9, 1962
	Total Payments	$914.47	
	Royalty @ 5%	$ 45.72	

Please promptly remit this amount of royalty due, together with the royalty due on any scrap or punch mica sales or other sales of minerals from the property on which the royalty has not been paid. Your remittance should be made payable to the Office of Minerals Exploration.

Sincerely yours,

(signed) FRANK E. JOHNSON

ACTING Director

cc: Docket
Director's Reading File
CA & A Division
Region IV Files (2)

CEFisher/ama
7-3-62

43683

Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
		500
		120
		110
		300

DMEA-4537

June 27, 1962

Memorandum

To: E. D. Talbert, Acting Chief
Contract Administration and Audit Division

From: C. E. Fisher, OMK Auditor

Subject: Audit Trip to Spruce Pine, North Carolina

I left Washington, D. C., via Southern Railway train No. 47 at 9:00 p.m., EST, June 17, 1962. Arrival in Asheville, N. C., was about 10:00 a.m., June 18. There I secured an automobile from Avis Rent-A-Car and drove to Spruce Pine, N. C. Left Spruce Pine at 10:00 a.m., June 23, and arrived back in Washington at 3:10 a.m., June 24, via Southern Railway train No. 16.

Most of the time in Spruce Pine was spent in reviewing the purchase records of the G.S.A. Mica Purchase Depot for the purpose of determining whether any unreported purchases had been made by that Depot of production from mines on which DMEA had entered into exploration project contracts. A total of 57 contracts were assigned for this investigation.

The last purchase by the Depot under the Mica Purchase Program was made on June 7, 1962. Mr. J. P. McKinney, Depot Superintendent, stated that processing the mica on hand and making final settlements with vendors will take another 60 to 90 days before the Depot is finally closed. Mr. McKinney also advised that 2,972 Participation Certificates were issued and 21,609 lots of mica were purchased during the program. At June 15 the yield of strategic mica amounted to 1,516,755.75 pounds. This will increase some when all processing is completed. As of June 1 the total payments to vendors amounted to $20,526,000. This amount will be increased when final settlements have been completed.

My review of the Depot records disclosed 13 contracts under which the Government may be entitled to royalty as hereinafter discussed. The investigation failed to disclose any purchases of production from the properties covered by the remaining 44 contracts. Memoranda for the files have been prepared for this latter group of contracts.

[illegible] of the exploration program, that is until [illegible], the Government representatives were supervising [illegible] mica [illegible]. They made frequent inspec- [illegible] parties and were aware of what was happen- [illegible] trip through the area and reminded [illegible] their mining obligations. He checked the [illegible] Several audit trips [illegible] office, the last being my trip [illegible] and his visits to the Depot and [illegible] through 1959 and subsequent investigations have [illegible] Lynch and Leaure.

I believe [illegible] reduction in royalty collections in the past 3 or 4 years [illegible] for several circumstances:

First, [illegible] contract results [illegible] during the explora- [illegible] a little longer. Most of the mica [illegible] completed prior to 1954.

[illegible] lease or location contracts had repaid their [illegible] prior to 1959 and, of course, had no [illegible] Inkwell Miners, Idm- [illegible] right [illegible] the Depot stopped buying.

Third, [illegible] on the part of the individual miners [illegible] properties not subject to [illegible] where [illegible] from prop- [illegible] a few of letters [illegible] property. If the Gov- [illegible] in the form of [illegible] costs, why not [illegible] a property not [illegible] Government's 5% royalty?

I [illegible] the Spruce Pine Mica Company and met Mr. Lawrence Conley, who has been with that company and in the mica business for many years. He informed me that the only mica from the White Face Mine (Contract [illegible]) [illegible]-3255) his company had purchased were the two lots [illegible] Carroll in 1954. Mr. Beck and I collected $11,[illegible] royalty applicable to these sales from the property-owner, [illegible], President of [illegible]-Metallic Minerals Corp., on March [illegible], 1[illegible]. Mr. Conley expressed the opinion that no work had been done on the property since John Carroll was there.

The Spruce Pine Mica Company operates a fabricating plant. They [illegible] imported mica and this was especially true during the Government purchase program when everyone was

[illegible] local
[illegible] Mr.
[illegible] "talk"
[illegible]
[illegible] farmers
[illegible] the
[illegible]

[illegible]
[illegible]
[illegible] fur-
[illegible] d.
He [illegible] re
[illegible] used
[illegible]

[illegible] at
[illegible] had
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[illegible]
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[illegible] and
[illegible] as- [illegible] ment
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[illegible] tion.
[illegible]

[illegible] were
[illegible] ally
[illegible] stra-
[illegible]
[illegible] afford
[illegible] ing
[illegible] ll.
[illegible] ers,
[illegible] r.
[illegible] of the
[illegible]

My review of the [illegible] ality in connection with [illegible] contracts as follows:

Contract [illegible]

[illegible] secured [illegible] statement for [illegible] purchase from

Frank W. Phillips of 1,315 pounds of block mica, yielding 51.74 pounds of trimmed mica, for which payments aggregated $394.50. A Report of Royalty Review dated April 23, 1959, indicated $19.73 unpaid royalty applicable to this sale. A copy of the document was obtained to complete the DMEA files. This sale was made from production subsequent to "abandonment" by the original operators under the contract. Under a ruling by the Solicitor's office royalty is not collectible unless the original operators should again mine the property during the repayment period.

Contract Idm-E349, DMEA-2375, Douglas M. Robinson & H. Cline West

Final settlement statement for lot No. SPAR-12(a), approved July 20, 1956, under which Robert H. Redus, Jr., 44 Wall Street, Asheville, N. C., received a net settlement of $35.20, shows the mine name as "Summer" but does not give the location of the mine. This contract covered exploration at the Swannanoa Mine. According to the contract and the Landlord's Subordination Agreement executed by T. B. Sumner, that mine is located in Buncombe County, N. C. Asheville is the county seat of Buncombe County. It is believed that the sale by Mr. Redus covered production from Swannanoa Mine, reported by him under the mine owner's name, and erroneously shown as Summer Mine on the settlement sheet.

On March 11, 1955, Mr. Beck and I called upon Mr. Sumner whose address is Sumner & Foster, Inc., Haywood Building, Asheville, N. C., and found him to be very cooperative in furnishing information about sales from the Swannanoa Mine on which he had received royalty as owner of the property. I suggest that he be contacted regarding the sale by Redus and asked if there is any other production on which the Government is entitled to royalty. This project was certified because of reserves of feldspar.

Contract Idm-E431, DMEA-2610, Dixie Minerals, Inc.

Final settlement statement was obtained for lot No. SPAR-229(a), approved August 6, 1956, under which Jackson Mining Company, Box 962, Sylva, N. C., received payments aggregating $272.12. This settlement statement shows the mine name as Shell Ridge, but does not give the location of the mine. Contract Idm-E431 covered exploration at the Shell Ridge Mine located in Jackson County, N. C., of which Sylva is the county seat.

Contract Idm-E459, DMEA-2579, Mica Industries, Inc.

Final settlement sheets SPBR-47(a), approved December 2, 1960, and SPBR-68(a), approved December 23, 1960, covered payments aggregating

$206.08 and $965.2[illegible], respectively, for area sold by Baird Cove Mining Company, Route [illegible], c/o Ralph [illegible]ingham, Franklin, N. C. The name and location of the mine are shown as Baird Cove Mine, Macon County, N. C., which is in agreement with the description of the mine in which exploration was performed.

Contract Idm-[illegible]495, DMEA-2793, Burns Spangler Construction Co.

Final settlement sheet SPAR-157(a), approved September 18, 1958, covered payments aggregating $13[illegible].[illegible]4 to Ed Burleson, Box 265, Bakersville, N. C. The name and location of the mine are shown as Lee Cornwell, Cleveland County, N. C., which is in agreement with the description of the mine in which exploration was performed.

Contract Idm-[illegible]548, DMEA-2921, Fred Taylor, Julian Greene & Johnnie Greene

Final settlement sheet SPAR-547(a), approved May 9, 1959, covered payment of $[illegible].14 to Lewie Aldridge, Spruce Pine, N. C. The name and location of the mine are shown as Cow Camp, Avery County, N. C., which is in agreement with the description of the mine in the exploration contract.

Contract Idm-5557, DMEA-3000, B. T. R. Mining Company

Check dated June 14, 1962, from B-K Associates brought royalty receipts under this contract up to $4,279.39 or within $130.61 of the total Government contribution.

The Depot records indicated additional purchases from B-K Associates as follows:

Date	Lot No.	Amount	
6/7/62	SPAR-496	$2,145.16	Final
6/15/62	" -512	1,214.58	"
4/5/62	" -523	1,100.98	Preliminary
4/12/62	" -530	1,181.30	"
4/19/62	" -537	9[illegible].32	"
4/26/62	" -542	875.89	"
5/3/62	" -547	966.57	"
5/10/62	" -560	842.03	"
5/18/62	" -566	917.21	"
6/1/62	" -591	435.49	"
6/5/62	" -599	236.26	"
6/7/62	" -607	279.04	"
4/5/62	SPAO-156	222.24	"
4/12/62	" -161	296.28	"

Contract Idm-E618, DMEA-3132, Dixie Mines, Inc.

Royalty has not been paid to the Government in connection with the following settlement statements:

Lot No.	Date Approved	Seller	Amount
SPAR-297(a)	11/5/58	S. P. Lett, Rt. 3, Linville, Ala.	$2,019.20
" -270(a)	12/30/58	" " " "	455.37
" -333(a)	12/19/58	" " " "	861.37
" -414(a)	3/16/59	L. T. Rounds, Rt. 2, Columbiana, Ala.	157.82
" -511(a)	3/25/59	" " "	649.37
" -780(a)	6/25/59	" " "	356.95

Contract Idm-E664, DMEA-3247, Newland Buchanan, et al.

Final settlement sheet for lot No. SPBR-163(a), approved August 24, 1960, covered payments aggregating $854.94 to M. S. Burleson & Frank W. Phillips Co., c/o Mitchell Lumber Co., Spruce Pine, N. C. The name and location of the mine are shown as Johnson Mine, Mitchell County, N. C., which is in agreement with the description of the mine in which exploration was performed.

Contract Idm-E814, DMEA-3740, Roy Grindstaff, et al.

Final settlement sheet for lot No. SPAO-154(a), approved January 27, 1960, covered payments aggregating $263.65 to Persley & Grindstaff, Route 3, c/o Roy Grindstaff, Bakersville, N. C. The name and location of the mine are shown as Conley, Mitchell County, N. C., which is in agreement with the description of the mine in which exploration was performed.

Contract Idm-E977, DMEA-4337, Hawk Mining Company

Royalty has not been paid to the Government in connection with the following settlement statements:

Lot No.	Date Approved	Seller	Amount
SPAO-475(a)	4/18/59	J. E. Wilson, c/o Mitchell Lumber Co., Spruce Pine, N.C.	$ 114.80
" - 12(a)	7/24/59	" " " "	594.62
" - 51(a)	8/24/59	" " " "	1,070.75*
" - 89(a)	1/9/62	" " " "	502.37*

* Includes production from various mines. Amounts applicable to Hawk Mine are $195.57 and $9.48, respectively.

Contract Idm-3665, DMEA-3216, Hector Mining Company

Final settlement sheets for lots SPAO-10(a) and SPAO-14(a), approved September 7, 1960, covered payments aggregating $195.70 and $141.11, respectively, to Dan Allen, Route 2, Burnsville, N. C. The name and location of the mine are shown as Hector Mine, Yancey County, N. C., which is in agreement with the description of the mine in which exploration was performed.

Contract Idm-3734, DMEA-3452, Howard Boone & John Jarrett

Final settlement sheet for lot SPAR-359(a), approved December 1, 1959, covered payments aggregating $101.31 to Persley & Grindstaff, c/o Roy Grindstaff, Route 3, Bakersville, N. C. The name and location of the mine are shown as Putnam, Mitchell County, N. C., which is in agreement with the description of the mine in which exploration was performed.

The following is furnished for your use in the unlikely event you may find it necessary to secure additional information regarding purchases by the Spruce Pine Depot.

Mr. McKinney stated that he does not know what is to become of the Spruce Pine Depot records when the Depot is finally closed. He is recommending that the copies of settlement statements and supporting papers maintained at the Depot be destroyed as they are duplicates of original documents on which disbursements were made. The original documents are in the custody of:

General Services Administration, Region 3
Office of Regional Comptroller
Document Control and Collections Section
Room 6238, Regional Office Building
7th and D Streets, S. W.
Washington 25, D. C.

During the purchase program it was the practice to furnish copies of all settlement sheets to:

Mr. Avery H. Reed, Jr., Chief
Knoxville Field Office
Division of Mineral Industries
Bureau of Mines
404 Hamilton Bank Building
Knoxville 2, Tennessee

I understand that these copies were used by the Bureau of Mines to compile statistical data relating to production from the various mines. I do not have any information regarding the ultimate disposition made of these copies.

CWFisher/ama 6-27-62

cc:
Mails and Files
Director's Reading File
CA & A Division
Region IV Files (2)

[illegible]-annual report on inactive [illegible], North Carolina

Item	Operator	Date of Inspection
734	[illegible] & Jarrett (Marsh Patton)	June 13 thru 19, [illegible]
737	A. Ward (Elmore Mine)	
759	C. R. Phillips (Sugar Hill Mine)	
762	Keller Mining Co. (Roper Mine)	
814	[illegible]	
[illegible]	[illegible]	
865	[illegible] Bunn (Gem Lock Mine)	
882	[illegible] (Little [illegible] Mine)	
900	Sam Smith (Doe Hill Mine) Royalty due [illegible]	
[illegible]	Sam Phillips (Old [illegible])	
1005	John Phillips (Roby Mine)	
[illegible]	[illegible]	
977	Hank Mining Co. (Hank Mine)	
1042	Clifton D. [illegible] (Boone Prospect)	
1089	Sam L. Phillips (Black Mountain Pros)	

[illegible] The above listed projects were checked at the [illegible] Purchasing Depot, Spruce Pine, N. C., or by con-[illegible]ing the Operators or by inquiring in and around the vicinity.

OFFICIAL FILE COPY
O. M. E.
RECEIVED AUG 11 1960

DATE	INIT	
8-11	gad	NVO
8/11	[illegible]	800
11	gad	500
		225

REGION IV

1960

Hawk Mining Company
c/o Frank W. Phillips
Spruce Pine, North Carolina

Re: DMEA-4337 (Mica)
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina
Contract Idm-E977

Gentlemen:

Enclosed for your records is a copy of a Report of Royalty Review by the Division of Contract Administration and Audit in which I concur.

Sincerely yours,

Lawrence G. Houk

Lawrence G. Houk
Acting Field Officer, Region IV

Enclosure

LGHouk:gad 8/11/60

Copy to: Wash. Off. (2)
Region IV (2)
Chron.

OFFICIAL FILE COPY
O. M. E.
RECEIVED AUG 11 1960

DATE		
8-11	gad	200
8/11	[illegible]	800
"	gd	500
		225

REGION IV

August 10, 1960

Memorandum

To: Fiscal Section, Division of Administrative Services, Office of the Secretary

From: Acting Field Officer, Region IV, OME

Subject: Report of Royalty Review
DMEA-4337 (Mica)
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina
Contract Idm-8977

Attached is the original copy of a Report of Royalty Review on the above project, in which I concur.

Lawrence G. Houk

Attachment

LGHouk:gad 8/10/60
Copy to: Wash. Off. (2)
Region IV (2)
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
ROOM 11 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

O. M. E.
RECEIVED JAN 25 1960
DATE | INITIALS | [illegible]

January 22, 1960

Memorandum

To: Operating Committee, OME - Washington, D. C.

From: OME Field Team, Region V - Knoxville, Tennessee

Subject: Mica production of certain GSA projects.

As requested in Mr. Johnson's memorandum of January 13, the best available data on production of [illegible] GSA projects have been compiled, and are presented in the table which accompanies this memorandum.

We would suggest addition of three more projects to the list, as they made significant contribution to the totals purchased by GSA. They are:

GSA No.	Mine	Trimmed Mica Pounds	Trimmed Mica Value	Hand cobbed Mica Pounds	Hand cobbed Mica Value
1876	Cattail	9820.26	$149,957.57	----	----
2377	Self	1814.10	36,195.34	65,493.00	*
2917	Allman Cove	3764.52	65,526.99	—	—
4337	Hawk	3689.30	68,589.12	—	—

* Value included with trimmed mica; not available separately.

Robert A. Laurence
Robert A. Laurence,
Executive Officer, OME-Region V

V. J. Lynch
V. J. Lynch, Member
Bureau of Mines

MICA PRODUCTION OF CERTAIN DMEA PROJECTS

DMEA No.	MINE Name	Trimmed Mica Pounds	Trimmed Mica Value	Hand Cobbed Pounds	Hand Cobbed Value	REMARKS
1388	[illegible]ins	1366	$20,3[illegible]	[illegible]	[illegible]22,72[illegible]	Not operating
[illegible]	[illegible]	[illegible],22	[illegible]	---	---	Not a certified project. No hand cobbed mica sales reported.
[illegible]	[illegible]	[illegible]40	[illegible]	[illegible]	---	[illegible] still operating.
[illegible]	[illegible]	[illegible]	134,[illegible]	[illegible]	[illegible]	Not operating.
[illegible]	[illegible]	[illegible]	$20[illegible]	---	---	[illegible] sales reported
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Value of hand cobbed included with trimmed.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] operating
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]arris	[illegible]	[illegible]2,[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]aylor	[illegible]	$116,2[illegible]	[illegible]	---	[illegible]. Value [illegible] included with trimmed.
[illegible]	[illegible]ner	[illegible]	$24,7[illegible]	---	---	Still operating. Only trimmed mica sold.

OFFICE OF MINERALS EXPLORATION

Semi-Annual Report of Certified Project

Reporting Period: January 1, 1959 to June 30, 1959.

Operator: Hawk Mining Company. Mine Name: Hawk. County: Mitchell

State: North Carolina. Docket No. DMEA-4337, Idm-E977 - Mica.

Contract Date: July 23, 1956. Date Certified: April 18, 1958

Expiration Date of Royalty Payments: July 23, 1966.

Total Amount of Contract: $6,760. Total Expended: $5,805.71

Amount of Gov. Participation at 75%.....$4,354.28.

Royalty paid this Period: $605.05 . Previously Paid: $2,824.40.

Total Royalty Paid to Date: $3,429.45. Percent Repaid: 78.8.

Royalty Due on Production to date: None

Original estimate of Reserves: None Given.

Total DMEA Production to Date:	Pounds	Value
Sheet mica..	3,689.30 Errors	$67,951.26
Scrap and Punch	..26,808.00	637.86
Total.....	30,497.00	$68,589.12

Remarks: A check was made at the Mica Purchasing Depot in Spruce Pine, North Carolina on June 3, 1959. No sales of mica from the Hawk Mine were found. Mr. Frank Phillips told the writer that the mine was not being operated at the present time.

OFFICIAL FILE COPY
O. M. E.
RECEIVED AUG 31 1959

DATE	INITIALS	
8/31	gad	1770
		1700
8/31	EEF	800
9/2	ALT	500
		225

V. J. Lynch, Mining Engineer
U. S. Bureau of Mines
Member, OME Field Team.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
ROOM 2-B POST OFFICE BLDG.
KNOXVILLE 2, TENN.

April 9, 1959

OFFICIAL FILE COPY
O. M. E.
RECEIVED APR 13 1959

DATE	INITIALS	
4/13	C	220
4/13	Hawk	600

Memorandum

To: Finance Officer, Region V (OME) Norris, Tenn.

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

Subject: Royalty Payment - DMEA-4337, Idm-E977-mica
Hawk Mining Co., Hawk Mine, Mitchell County, N.C.

Attached are settlements sheets in the amount of $12,101.10, and two checks for royalty on the sales in the amount of $605.05 to be credited to the contract.

Robert A. Laurence

zm.
cc
F. Johnson, OME
Lynch
Files

Ck. No. 231, dated
4-6-59--$509.67
and
c. No.19348, dated
4-6-59--$95.38

MARCH 25, 1957 GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - MICA PURCHASE

MICA PURCHASE DEPOT - Spruce Pine, N. C.

PROGRAM	DATE PURCHASED
[redacted] A / B	12-19-58 [redacted]
	ACCEPTANCE NUMBER [redacted]

CERTIFICATE AUTHORIZATION NUMBER	LOT NUMBER	VOUCHER NUMBER	SCHEDULE NUMBER
[redacted] A	353 (a) [redacted]		

EVALUATION DATA

RUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$		$ 70.00	$
GRADES NO. 4 AND 5					40.00	
GRADES NO. 5½ AND 6					17.70	
STAINED						
GRADES NO. 3 AND LARGER		12.00			31.90	
GRADES NO. 4 AND 5		5.00			18.25	
GRADES NO. 5½ AND 6		3.00			7.55	
HEAVY STAINED						
GRADES NO. 3 AND LARGER		8.00			14.80	
GRADES NO. 4 AND 5		4.00			6.85	
GRADES NO. 5½ AND 6		2.00			4.00	
TOTALS			$			$

NONRUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT	
GOOD STAINED AND BETTER							
GRADES NO. 3 AND LARGER		$	$	.01	$ 70.00	$ .70	
GRADES NO. 4 AND 5			2.32	2.32	40.00	92.80	92.80
GRADES NO. 5½ AND 6			14.38	14.38	17.70	254.53	254.53
STAINED							
GRADES NO. 3 AND LARGER		9.60	.02	.02	25.55	.51	.51
GRADES NO. 4 AND 5		4.00	2.13	2.13	14.60	31.10	31.10
GRADES NO. 5½ AND 6		2.40	13.97	13.97	6.55	91.56	91.56
HEAVY STAINED							
GRADES NO. 3 AND LARGER		6.40			11.85		
GRADES NO. 4 AND 5		3.20	.50	.50	5.45	2.73	2.73
GRADES NO. 5½ AND 6		1.60	2.78	2.78	4.00	11.12	11.02
TOTALS			$			$	

TOTAL YIELD AND VALUE ☐ RUBY ☒ NONRUBY (*Half trim plus full trim*)	36.11 LBS.	$ 484.99 — 484.99
ADJUSTED VALUE WHEN LESS THAN 18% GS & B (ABOVE VALUE $ _____ X _____ ÷ 18)		$
FOR PROGRAM B, DEDUCT $4.00 PER POUND FOR RIFTING AND TRIMMING		
FINAL BASIS FOR PAYMENT		
LESS: INITIAL PAYMENT VOUCHER NUMBER SCHEDULE NUMBER		$ 484.99 — 484.99
BALANCE DUE ☒ SELLER ☐ GOVERNMENT		306.25 — 306.25
		$ 178.74 — 178.74

NAME AND LOCATION OF MINE

Hawk, No. 2 Hawk #2
Mitchell County, N. C.
3 00 A & 46.28

PROCESSED FOR PAYMENT (LBS.)	36.11 — 36.11
PROCESSED - NO PAYMENT (LBS.) THINS	
BLACK (*Dots, Spots, Stained*)	
UNDERSIZED	.05
PROCESSING [redacted]	.05 [redacted]
TOTAL POUNDS PURCHASED	36.06 — 36.06

SELLER'S NAME AND ADDRESS (*Type or print*)

Mitchell Lumber Co.
Spruce Pine, N. C.

APPROVED

DEPOT SUPERINTENDENT

DATE 3-16-59

GSA WASH D C 58-3177

GSA FORM 1013a
SEPTEMBER 1957

FORM APPROVED BY COMP. GEN., U.S. MARCH 25, 1957

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - MICA PURCHASE

MICA PURCHASE DEPOT - [redacted]

PROGRAM: [X] A [ ] B

DATE PURCHASED: 11-25-[redacted]

ACCEPTANCE NUMBER: [redacted]

CERTIFICATE AUTHORIZATION NUMBER	LOT NUMBER	VOUCHER NUMBER	SCHEDULE NUMBER
[redacted] A	[redacted] (a)		

EVALUATION DATA

RUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$		$ 70.00	$
GRADES NO. 4 AND 5					40.00	
GRADES NO. 5½ AND 6					17.70	
STAINED						
GRADES NO. 3 AND LARGER		12.00			31.90	
GRADES NO. 4 AND 5		5.00			18.25	
GRADES NO. 5½ AND 6		3.00			7.55	
HEAVY STAINED						
GRADES NO. 3 AND LARGER		8.00			14.80	
GRADES NO. 4 AND 5		4.00			6.85	
GRADES NO. 5½ AND 6		2.00			4.00	
TOTALS			$			$

NONRUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT	
GOOD STAINED AND BETTER							
GRADES NO. 3 AND LARGER		$	$ 262	2.62	$ 70.00	$ 183.40	183.40
GRADES NO. 4 AND 5			9.69	9.69	40.00	387.60	387.60
GRADES NO. 5½ AND 6			31.90	31.90	17.70	557.55	557.55
STAINED							
GRADES NO. 3 AND LARGER		9.60	.84	.84	25.55	21.46	21.46
GRADES NO. 4 AND 5		4.00	5.56	5.56	14.60	81.18	81.18
GRADES NO. 5½ AND 6		2.40	22.50	22.50	6.55	147.38	147.38
HEAVY STAINED							
GRADES NO. 3 AND LARGER		6.40	.16	.16	11.85	1.90	1.90
GRADES NO. 4 AND 5		3.20	.65	.65	5.45	4.63	4.63
GRADES NO. 5½ AND 6		1.60	2.94	2.94	4.00	11.76	11.76
TOTALS			$			$	

TOTAL YIELD AND VALUE [ ] RUBY [X] NONRUBY (*Half trim plus full trim*) 76.66 LBS. $ 1396.86 — 1396.86

ADJUSTED VALUE WHEN LESS THAN 18% GS & B (ABOVE VALUE $ _____ X _____ ÷ 18) $

FOR PROGRAM B, DEDUCT $4.00 PER POUND FOR RIFTING AND TRIMMING

FINAL BASIS FOR PAYMENT $ 1396.86 — 1396.86

LESS: INITIAL PAYMENT VOUCHER NUMBER SCHEDULE NUMBER [redacted] — 805.66

BALANCE DUE [X] SELLER [ ] GOVERNMENT $ [redacted] — 591.20

NAME AND LOCATION OF MINE

[redacted], No. 2 Hawk # 2
Mitchell County, N. C.
T. [redacted] & R. 57.13

PROCESSED FOR PAYMENT (LBS.)	76.66
PROCESSED - NO PAYMENT (LBS.) THINS	
BLACK (*Dots, Spots, Stained*)	
UNDERSIZED	
PROCESSING LOSS	.02 76.88
TOTAL POUNDS PURCHASED	76.88

SELLER'S NAME AND ADDRESS (*Type or print*)

Frank W. Phillips
Spruce Pine, N. C.

APPROVED

DEPOT SUPERINTENDENT

DATE 1-23-[redacted]

GSA WASH D C 58-3177

GSA FORM 1013a SEPTEMBER 1957

FORM APPROVED BY COMP. GEN. U.S. MARCH 25, 1957

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - MICA PURCHASE

MICA PURCHASE DEPOT - [redacted]

PROGRAM: [X] A [ ] B

DATE PURCHASED: 2-5-59 [redacted]

ACCEPTANCE NUMBER: [redacted]

CERTIFICATE AUTHORIZATION NUMBER: [redacted]

LOT NUMBER: 433 [redacted]

VOUCHER NUMBER:

SCHEDULE NUMBER:

EVALUATION DATA

RUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$		$ 70.00	$
GRADES NO. 4 AND 5					40.00	
GRADES NO. 5½ AND 6					17.70	
STAINED						
GRADES NO. 3 AND LARGER		12.00			31.90	
GRADES NO. 4 AND 5		5.00			18.25	
GRADES NO. 5½ AND 6		3.00			7.55	
HEAVY STAINED						
GRADES NO. 3 AND LARGER		8.00			14.80	
GRADES NO. 4 AND 5		4.00			6.85	
GRADES NO. 5½ AND 6		2.00			4.00	
TOTALS			$			$

NONRUBY

GOOD STAINED AND BETTER							
GRADES NO. 3 AND LARGER		$	$	28 .28	$ 70.00	$ 19.60	19.60
GRADES NO. 4 AND 5			5.54	5.54	40.00	221.60	221.60
GRADES NO. 5½ AND 6			27.19	27.19	17.70	481.26	481.26
STAINED							
GRADES NO. 3 AND LARGER		9.60	53	.53	25.55	13.54	13.54
GRADES NO. 4 AND 5		4.00	9.59	9.59	14.60	140.01	140.01
GRADES NO. 5½ AND 6		2.40	36.34	36.34	6.55	238.03	238.03
HEAVY STAINED							
GRADES NO. 3 AND LARGER		6.40		.18	11.85	2.13	2.13
GRADES NO. 4 AND 5		3.20		2.72	5.45	14.82	14.82
GRADES NO. 5½ AND 6		1.60		13.50	4.00	54.00	54.00
TOTALS			$			$	

TOTAL YIELD AND VALUE [ ] RUBY [X] NONRUBY (*Half trim plus full trim*) 95.87 LBS. $ 1184.99 1184.99

ADJUSTED VALUE WHEN LESS THAN 18% GS & B (ABOVE VALUE $ _____ X _____ ÷ 18) $

FOR PROGRAM B, DEDUCT $4.00 PER POUND FOR RIFTING AND TRIMMING

FINAL BASIS FOR PAYMENT

LESS: INITIAL PAYMENT VOUCHER NUMBER SCHEDULE NUMBER $ 1184.99 1184.99

BALANCE DUE [X] SELLER [ ] GOVERNMENT $ 672.50 672.50

$ 512.49 512.49

NAME AND LOCATION OF MINE

Hawk #2

[redacted], Mitchell County, N. C.

I GS & B 34.43

PROCESSED FOR PAYMENT (LBS.)	95.87 [redacted]
PROCESSED - NO PAYMENT (LBS.) THINS	
BLACK (*Dots, Spots, Stained*)	
UNDERSIZED	13
PROCESSING [redacted]	.13
TOTAL POUNDS PURCHASED	95.74 [redacted]

SELLER'S NAME AND ADDRESS (*Type or print*)

J. E. Wilson
I Mitchell Lumber Co.
Spruce Pine, N. C.

APPROVED

DEPOT SUPERINTENDENT

DATE [redacted]

GSA WASH D C 58-3177

GSA FORM 1013a SEPTEMBER 1957

FORM APPROVED BY COMP. GEN. U.S. MARCH 25. 1957

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - MICA PURCHASE

MICA PURCHASE DEPOT - [redacted]

PROGRAM: [ ] A [x] B

DATE PURCHASED: 1-27-59 [redacted]

ACCEPTANCE NUMBER: [redacted]

CERTIFICATE AUTHORIZATION NUMBER: [redacted]

LOT NUMBER: [redacted]

VOUCHER NUMBER:

SCHEDULE NUMBER:

EVALUATION DATA

RUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$		$ 70.00	$
GRADES NO. 4 AND 5					40.00	
GRADES NO. 5½ AND 6					17.70	
STAINED						
GRADES NO. 3 AND LARGER		12.00			31.90	
GRADES NO. 4 AND 5		5.00			18.25	
GRADES NO. 5½ AND 6		3.00			7.55	
HEAVY STAINED						
GRADES NO. 3 AND LARGER		8.00			14.80	
GRADES NO. 4 AND 5		4.00			6.85	
GRADES NO. 5½ AND 6		2.00			4.00	
TOTALS			$			$

NONRUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT	
GOOD STAINED AND BETTER							
GRADES NO. 3 AND LARGER		$	$ 11.47	11.47	$ 70.00	$ [redacted]	802.90
GRADES NO. 4 AND 5			51.66	51.66	40.00	[redacted]	2066.40
GRADES NO. 5½ AND 6			72.41	72.41	17.70	[redacted]	1281.65
STAINED							
GRADES NO. 3 AND LARGER		9.60	7.06	7.06	25.55	[redacted]	180.38
GRADES NO. 4 AND 5		4.00	42.22	42.22	14.60	[redacted]	616.41
GRADES NO. 5½ AND 6		2.40	81.82	81.82	6.55	[redacted]	535.92
HEAVY STAINED							
GRADES NO. 3 AND LARGER		6.40	1.40	1.40	11.85	[redacted]	16.59
GRADES NO. 4 AND 5		3.20	13.00	13.00	5.45	[redacted]	70.85
GRADES NO. 5½ AND 6		1.60	39.09	39.09	4.00	[redacted]	156.36
TOTALS			$			$	

TOTAL YIELD AND VALUE [redacted] [x] NONRUBY (*Half trim plus full trim*) [redacted] LBS. $ 5727.47 — 5727.47

ADJUSTED VALUE WHEN LESS THAN 18% GS & B (ABOVE VALUE $ _____ X 320.13 18) $

FOR PROGRAM B, DEDUCT $4.00 PER POUND FOR RIFFING AND TRIMMING

FINAL BASIS FOR PAYMENT $ [redacted] — 5727.47

LESS: INITIAL PAYMENT VOUCHER NUMBER SCHEDULE NUMBER [redacted] — 3933.02

BALANCE DUE [x] SELLER [ ] GOVERNMENT $ [redacted] — 1789.45

NAME AND LOCATION OF MINE

[redacted], Mitchell County, N. C.

% GS & B 42.34

SELLER'S NAME AND ADDRESS (*Type or print*)

J. E. Wilson

% Mitchell Lumber Co.
Spruce Pine, N. C.

PROCESSED FOR PAYMENT (LBS.)	320.13 [redacted]
PROCESSED - NO PAYMENT (LBS.) THINS	
BLACK (*Dots, Spots, Stained*)	
UNDERSIZED	.68
PROCESSING LOSS	[redacted]
TOTAL POUNDS PURCHASED	320.81 [redacted]

APPROVED

DEPOT SUPERINTENDENT

DATE [redacted]

GSA WASH D C 58-3177

GSA FORM 1013a SEPTEMBER 1957

12-30-58

Bought of MITCHELL LUMBER Co (BIG HAWK #2), 195

SPRUCE PINE, N.C.

Name of Mine BIG HAWK #2 Located MITCHELL COUNTY

Lbs.	Oz.	Class	Price	Total
		Refuse—#1		
		" #2		
		" #3		
		Punch—Large		
738		" Small WASHER	3½	25.83
		1½ x 2		
		2 x 2		
		2 x 3		
		3 x 3		
		3 x 4		
		3 x 5		
		4 x 6		
		6 x 8		

Quality GREEN

Sacks 7

Boxes

Bbls.

Total

Less

Draft/Check 25.83

25.83

ASHEVILLE MICA CO.—Buyer

By [signature]

The undersigned hereby certifies that in the production of the Mica covered by this bill they have complied with the Fair Labor Standards Act of 1938 and indemnify and hold harmless the Asheville Mica Co. against any claim thereunder.

INLAND 70124

(Seller)

11-25-58

FORM APPROVED BY COMP. GEN. U.S. MARCH 25, 1957

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - MICA PURCHASE

MICA PURCHASE DEPOT - [redacted]

PROGRAM: [X] A [ ] B

DATE PURCHASED: 11-25-58

ACCEPTANCE NUMBER: [redacted]

CERTIFICATE AUTHORIZATION NUMBER	LOT NUMBER	VOUCHER NUMBER	SCHEDULE NUMBER
[redacted] A	[redacted] (a)		

EVALUATION DATA

RUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$		$ 70.00	$
GRADES NO. 4 AND 5					40.00	
GRADES NO. 5½ AND 6					17.70	
STAINED						
GRADES NO. 3 AND LARGER		12.00			31.90	
GRADES NO. 4 AND 5		5.00			18.25	
GRADES NO. 5½ AND 6		3.00			7.55	
HEAVY STAINED						
GRADES NO. 3 AND LARGER		8.00			14.80	
GRADES NO. 4 AND 5		4.00			6.85	
GRADES NO. 5½ AND 6		2.00			4.00	
TOTALS			$			$

NONRUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT	
GOOD STAINED AND BETTER							
GRADES NO. 3 AND LARGER		$	$ 1.24	1.24	$ 70.00	$ 86.80	86.80
GRADES NO. 4 AND 5			9.78	9.78	40.00	391.20	391.20
GRADES NO. 5½ AND 6			19.03	19.03	17.70	336.83	336.83
STAINED							
GRADES NO. 3 AND LARGER		9.60	1.53	1.53	25.55	39.09	39.09
GRADES NO. 4 AND 5		4.00	7.69	7.69	14.60	163.51	163.51
GRADES NO. 5½ AND 6		2.40	20.63	20.63	6.55	135.13	135.13
HEAVY STAINED							
GRADES NO. 3 AND LARGER		6.40			11.85		
GRADES NO. 4 AND 5		3.20	1.03	1.03	5.45	5.61	5.61
GRADES NO. 5½ AND 6		1.60	4.97	4.97	4.00	19.88	19.88
TOTALS			$			$	

TOTAL YIELD AND VALUE [ ] RUBY [X] NONRUBY (*Half trim plus full trim*)	65.30 LBS.	$ 1118.05
ADJUSTED VALUE WHEN LESS THAN 18% GS & B (ABOVE VALUE $ _____ X 65.30 ÷ 18)		$
FOR PROGRAM B, DEDUCT $4.00 PER POUND FOR RIFTING AND TRIMMING		
FINAL BASIS FOR PAYMENT		$ 1118.05
LESS: INITIAL PAYMENT VOUCHER NUMBER SCHEDULE NUMBER		738.46
BALANCE DUE [X] SELLER [ ] GOVERNMENT		$ 379.59

NAME AND LOCATION OF MINE

[redacted], Mitchell County, N. C.
[redacted]

PROCESSED FOR PAYMENT (LBS.)	65.30
PROCESSED - NO PAYMENT (LBS.) THINS	
BLACK (*Dots, Spots, Stained*)	
UNDERSIZED	27
PROCESSING LOSS	.27
TOTAL POUNDS PURCHASED	65.57

SELLER'S NAME AND ADDRESS (*Type or print*)

J. E. Wilson
% Mitchell Lumber Co.
Spruce Pine, N. C.

APPROVED

DEPOT SUPERINTENDENT

DATE 1-21-59

GSA WASH D C 58-3177

GSA FORM 1013a SEPTEMBER 1957

FORM APPROVED BY COMP. GEN. U.S. MARCH 25, 1957

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - MICA PURCHASE

MICA PURCHASE DEPOT - Spruce Pine, N. C.

PROGRAM: [X] A [ ] B

DATE PURCHASED: 11-19-58 11-19-58

ACCEPTANCE NUMBER: A03-[redacted] (a)

CERTIFICATE AUTHORIZATION NUMBER: [redacted] A

LOT NUMBER: [redacted] (a)

VOUCHER NUMBER:

SCHEDULE NUMBER:

EVALUATION DATA

RUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT	
GOOD STAINED AND BETTER							
GRADES NO. 3 AND LARGER		$	$		$ 70.00	$	
GRADES NO. 4 AND 5					40.00		
GRADES NO. 5½ AND 6					17.70		
STAINED							
GRADES NO. 3 AND LARGER		12.00			31.90		
GRADES NO. 4 AND 5		5.00			18.25		
GRADES NO. 5½ AND 6		3.00			7.55		
HEAVY STAINED							
GRADES NO. 3 AND LARGER		8.00			14.80		
GRADES NO. 4 AND 5		4.00			6.85		
GRADES NO. 5½ AND 6		2.00			4.00		
TOTALS			$			$	

NONRUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT	
GOOD STAINED AND BETTER							
GRADES NO. 3 AND LARGER		$	$ 5.53	5.53	$ 70.00	$ 387.10	387.10
GRADES NO. 4 AND 5			18.37	18.37	40.00	734.80	734.80
GRADES NO. 5½ AND 6			30.71	30.71	17.70	543.57	543.57
STAINED							
GRADES NO. 3 AND LARGER		9.60	2.72	2.72	25.55	69.50	69.50
GRADES NO. 4 AND 5		4.00	14.31	14.31	14.60	208.93	208.93
GRADES NO. 5½ AND 6		2.40	27.75	27.75	6.55	181.76	181.76
HEAVY STAINED							
GRADES NO. 3 AND LARGER		6.40	.23	.23	11.85	2.73	2.73
GRADES NO. 4 AND 5		3.20	1.93	1.93	5.45	10.52	10.52
GRADES NO. 5½ AND 6		1.60	6.00	6.00	4.00	24.00	24.00
TOTALS			$			$	

TOTAL YIELD AND VALUE [ ] RUBY [X] NONRUBY (*Half trim plus full trim*) 107.55 LBS. $ 2162.91 — 2162.91

ADJUSTED VALUE WHEN LESS THAN 18% GS & B (ABOVE VALUE $ _____ x 107.55 ÷ 18) $

FOR PROGRAM B, DEDUCT $4.00 PER POUND FOR RIFTING AND TRIMMING

FINAL BASIS FOR PAYMENT $ 2162.91 — 2162.91

LESS: INITIAL PAYMENT VOUCHER NUMBER SCHEDULE NUMBER 1338.00 — 1338.00

BALANCE DUE [X] SELLER [ ] GOVERNMENT $ 824.91 — 824.91

NAME AND LOCATION OF MINE

Hawk, Mitchell County, N. C. Hawk

% GS & B 50.78

PROCESSED FOR PAYMENT (LBS.)	107.55 — 107.55
PROCESSED - NO PAYMENT (LBS.) THINS	
BLACK (*Dots, Spots, Stained*)	
UNDERSIZED	08
PROCESSING LOSS	.08
TOTAL POUNDS PURCHASED	107.63 — 107.63

SELLER'S NAME AND ADDRESS (*Type or print*)

J. E. Wilson
% Mitchell Lumber Co.
Spruce Pine, N. C.

APPROVED

DEPOT SUPERINTENDENT

DATE 1-12-59

GSA WASH D C 58-2177

GSA FORM 1013a

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DATE	INITIALS	CODE
2-9	C	220
2/11	[illegible]	110
2/10	[illegible]	800
2/11	Hawk	600

DMEA EXPLORATION PROJECT - Mica
SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting Period: 7-30-58 to 1-1-59. Date Examined: 1-20-59

Operator: Hawk Mining Company, Spruce Pine, North Carolina

Mine Name: Hawk Mine. County: Mitchell. State: No. Carolina

Docket No. DMEA-4337, Idm-E977. Commodity: Mica

Date of Contract: July 23, 1956. Date Certified: April 18, 1958

Expiration date of royalty payments: July 23, 1966

Total Amount of Contract: $6,760.00.

Total Expended under contract: $5,805.71.

Amount of Government participation at 75%....$4,354.28

Royalty Payments this period: $1,146.51. Previously Paid: $1,677.89.

Total Royalty paid to date: $2,824.40

Percent Government participation repaid: 64.86%.

Royalty due on production to date: $249.20.

Royalty Remarks: Royalty has not been paid on three sales of sheet mica mounting to $4,677.82 and the preliminary payment of $306.25 on another.

Original estimate of DMEA Reserves (Field Team Final Report) None given

	Type	Pounds	Value
Production DMEA Ore (this period)	Sheet	1389.87	$25,073.48*
	Punch	1400.00	69.50
	Scrap	5580.00	86.49
	Total	8,369.87	$25,229.47*
Production DMEA ore (previous)	Sheet	2,319.27	35,786.58**
	Punch	3,599.00	178.95
	Scrap	15,450.00	277.09
	Total	21,368.27	$36,242.62**

Production DMEA ore to date:

Type	Pounds	Value
Sheet	3,709.14	$60,860.06***
Punch	4,999.00	248.45
Scrap	21,030.00	363.58
Total	29,738.14	$61,472.09***

* Does not include "final settlement" on one sale.

** Does not include "final settlement" on two sales.

*** Does not include "final settlement" on one sale but includes the two "final settlements" not reported on the previous report.

Remarks: When the mine was visited the Operator was working on the 100-foot level trying to cut the mica shoot they had mined on the lower level. Two men were in the mine and one was on the hoist at the adit. No mica was being produced.

Wm. A. Beck, Mining Engineer
Bureau of Mines - OME

February 5, 1959.

z

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
ROOM 2-B POST OFFICE BLDG.
KNOXVILLE 2, TENN.

December 22, 1958

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DATE		
12/24	C	220
12/29	Hawk	600

Memorandum

To: Finance Officer, OME - Region V - Norris, Tenn.

From: Acting Executive Officer, OME - Region V

Subject: Royalty Payment - DMEA-4337, Idm-E977-mica.
Hawk Mining Co., Hawk Mine, Mitchell County, N.C.

Transmitted are settlement sheets in the amount of $7,213.26, and two checks for royalty on the sales in the amount of $360.66.

W. J. Lynch

xm.
cc
Lynch
Laurence
F. Johnson, OME

enc:
ck. No.187, dated
12/19/58--$322.92

ck. No.18986, dated
12/19/58----$37.74

754.77
2,056.82
2,511.31
1,890.36

7,213.26

36066

FORM APPROVED BY COMP. GEN. U.S. MARCH 25, 1957

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - MICA PURCHASE

MICA PURCHASE DEPOT - [illegible]

PROGRAM	DATE PURCHASED
[X] A [ ] B	10-27-58
	ACCEPTANCE NUMBER [illegible]

CERTIFICATE AUTHORIZATION NUMBER	LOT NUMBER	VOUCHER NUMBER	SCHEDULE NUMBER
[illegible]	[illegible]		

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EVALUATION DATA

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	DATE	INITIALS	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
RUBY								
GOOD STAINED AND BETTER								
GRADES NO. 3 AND LARGER		$	$				$ 70.00	$
GRADES NO. 4 AND 5							40.00	
GRADES NO. 5½ AND 6							17.70	
STAINED								
GRADES NO. 3 AND LARGER		18.00					31.90	
GRADES NO. 4 AND 5		[illegible]					18.20	
GRADES NO. 5½ AND 6		3.00					7.55	
HEAVY STAINED								
GRADES NO. 3 AND LARGER		8.00					14.80	
GRADES NO. 4 AND 5		4.00					6.85	
GRADES NO. 5½ AND 6		2.00					4.00	
TOTALS			$					$
NONRUBY								
GOOD STAINED AND BETTER								
GRADES NO. 3 AND LARGER		$	$		7.31		$ 70.00	$ 511.70
GRADES NO. 4 AND 5					4.00		40.00	160.00
GRADES NO. 5½ AND 6					2.00		17.70	35.40
STAINED								
GRADES NO. 3 AND LARGER		1.60			.63		25.55	16.10
GRADES NO. 4 AND 5		4.00			1.50		14.60	21.90
GRADES NO. 5½ AND 6		2.40			1.44		6.55	9.43
HEAVY STAINED								
GRADES NO. 3 AND LARGER		6.40					11.85	
GRADES NO. 4 AND 5		3.20					5.45	
GRADES NO. 5½ AND 6		1.60			.06		4.00	.24
TOTALS			$					$

TOTAL YIELD AND VALUE [ ] RUBY [X] NONRUBY (Half trim plus full trim)	16.94 LBS.	$ 754.77
ADJUSTED VALUE WHEN LESS THAN 18% G & B (AB[illegible] VA[illegible] $ _____ X _____ ÷ 18)		$
FOR PROGRAM B, DEDUCT $4.00 PER POUND FOR REPAIRING AND TRIMMING		
FINAL BASIS FOR PAYMENT		$ 754.77
LESS: INITIAL PAYMENT VOUCHER NUMBER SCHEDULE NUMBER		634.00
BALANCE DUE [X] SELLER [ ] GOVERNMENT		$ 120.00

NAME AND LOCATION OF MINE

Hawk, No. 3
Mitchell County, [illegible]
[illegible] 78.57

SELLER'S NAME AND ADDRESS (Type or print)

37.74

[illegible]
[illegible]

PROCESSED FOR PAYMENT (LBS.)	16.94
PROCESSED - NO PAYMENT (LBS.) THINS	
BLACK (Dots, Spots, Stained)	
UNDERSIZED	
PROCESSING [illegible]	.13 [illegible]
TOTAL POUNDS PURCHASED	16.81

APPROVED

DEPOT SUPERINTENDENT

DATE 11-26-58

GSA WASH D C 58-3177

GSA FORM 1013a SEPTEMBER 1957

FORM APPROVED BY COMP. GEN. U.S. MARCH 25, 1957

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - MICA PURCHASE

MICA PURCHASE DEPOT - [illegible]

PROGRAM: [X] A [ ] B

DATE PURCHASED: [illegible]

ACCEPTANCE NUMBER: [illegible]

CERTIFICATE AUTHORIZATION NUMBER	LOT NUMBER	VOUCHER NUMBER	SCHEDULE NUMBER
[illegible]	[illegible] (a)		

EVALUATION DATA

RUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$		$ 70.00	$
GRADES NO. 4 AND 5					40.00	
GRADES NO. 5½ AND 6					17.70	
STAINED						
GRADES NO. 3 AND LARGER		12.00			31.90	
GRADES NO. 4 AND 5		5.00			18.25	
GRADES NO. 5½ AND 6		3.00			7.55	
HEAVY STAINED						
GRADES NO. 3 AND LARGER		8.00			14.80	
GRADES NO. 4 AND 5		4.00			6.85	
GRADES NO. 5½ AND 6		2.00			4.00	
TOTALS			$			$

NONRUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$ 3.55	[illegible]	$ 70.00	$ [illegible] 248.50
GRADES NO. 4 AND 5			19.47	[illegible]	40.00	[illegible] 778.80
GRADES NO. 5½ AND 6			28.56	[illegible]	17.70	[illegible] 505.51
STAINED						
GRADES NO. 3 AND LARGER		9.60	2.31	[illegible]	25.55	[illegible] 59.02
GRADES NO. 4 AND 5		4.00	11.75	[illegible]	14.60	[illegible] 171.55
GRADES NO. 5½ AND 6		2.40	37.31	[illegible]	6.55	[illegible] 244.38
HEAVY STAINED						
GRADES NO. 3 AND LARGER		6.40	.27	.27	11.85	[illegible] 3.20
GRADES NO. 4 AND 5		3.20	3.16	[illegible]	5.45	[illegible] 17.22
GRADES NO. 5½ AND 6		1.60	7.16	[illegible]	4.00	[illegible] 28.66
TOTALS			$	113.54		$ 2056.82

TOTAL YIELD AND VALUE [ ] RUBY [X] NONRUBY (*Half trim plus full trim*) [illegible] LBS. $ [illegible]

ADJUSTED VALUE WHEN LESS THAN 18% GS & B (ABOVE VALUE $ _____ x _____ ÷ 18) $

FOR PROGRAM B, DEDUCT $4.00 PER POUND FOR RIFTING AND TRIMMING 2056.82

FINAL BASIS FOR PAYMENT $ [illegible] 1270.91

LESS: INITIAL PAYMENT VOUCHER NUMBER SCHEDULE NUMBER $ [illegible] 785.91

BALANCE DUE [X] SELLER [ ] GOVERNMENT

NAME AND LOCATION OF MINE

[illegible], Mitchell County, N. C.
S. GS & B 45.43

PROCESSED FOR PAYMENT (LBS.)	[illegible] 113.54
PROCESSED - NO PAYMENT (LBS.) THINS	
BLACK (*Dots, Spots, Stained*)	
UNDERSIZED	22
PROCESSING LOSS	[illegible]
TOTAL POUNDS PURCHASED	[illegible]

SELLER'S NAME AND ADDRESS (*Type or print*)

J. E. Wilson
% Mitchell Lumber Co.
Spruce Pine, N. C.

APPROVED

DEPOT SUPERINTENDENT

DATE [illegible]

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GSA WASH D C 58-3177

GSA FORM 1013a SEPTEMBER 1957

DMEA-4337

FORM APPROVED BY COMP. GEN. U.S. MARCH 25, 1957

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - MICA PURCHASE

MICA PURCHASE DEPOT - [illegible]

PROGRAM: [X] A [ ] B

DATE PURCHASED: 12-9-58

ACCEPTANCE NUMBER: [illegible]-243 (a)

CERTIFICATE AUTHORIZATION NUMBER: [illegible]-4-[illegible] A

LOT NUMBER: [illegible]-243 (a)

VOUCHER NUMBER:

SCHEDULE NUMBER:

EVALUATION DATA

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QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
RUBY						
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$		$ 70.00	$
GRADES NO. 4 AND 5					40.00	
GRADES NO. 5½ AND 6					17.70	
STAINED						
GRADES NO. 3 AND LARGER		12.00			31.90	
GRADES NO. 4 AND 5		5.00			18.25	
GRADES NO. 5½ AND 6		3.00			7.55	
HEAVY STAINED						
GRADES NO. 3 AND LARGER		8.00			14.80	
GRADES NO. 4 AND 5		4.00			6.85	
GRADES NO. 5½ AND 6		2.00			4.00	
TOTALS			$			$
NONRUBY						
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$ 3.41	3.41	$ 70.00	$ 238.70
GRADES NO. 4 AND 5			24.97	24.97	40.00	998.80 998.80
GRADES NO. 5½ AND 6			38.60	38.60	17.70	683.22 683.22
STAINED						
GRADES NO. 3 AND LARGER		9.60	1.43	1.43	25.55	36.54 36.54
GRADES NO. 4 AND 5		4.00	14.72	14.72	14.60	214.91 214.91
GRADES NO. 5½ AND 6		2.40	44.14	44.14	6.55	289.12 289.12
HEAVY STAINED						
GRADES NO. 3 AND LARGER		6.40	.19	.19	11.85	2.25 2.25
GRADES NO. 4 AND 5		3.20	1.72	1.72	5.45	9.37 9.37
GRADES NO. 5½ AND 6		1.60	9.60	9.60	4.00	38.40 38.40
TOTALS			$	138.78		$

TOTAL YIELD AND VALUE [ ] RUBY [X] NONRUBY (*Half trim plus full trim*) 138.78 LBS. $ 2511.31

ADJUSTED VALUE WHEN LESS THAN 18% GS & B (ABOVE VALUE $ _____ X _____ ÷ 18) $

FOR PROGRAM B, DEDUCT $4.00 PER POUND FOR RIFTING AND TRIMMING $

FINAL BASIS FOR PAYMENT 2511.31 c

LESS: INITIAL PAYMENT VOUCHER NUMBER SCHEDULE NUMBER $ 2511.31

BALANCE DUE [X] SELLER [ ] GOVERNMENT 1502.51 1502.51 $ 1508.80 1008.80

NAME AND LOCATION OF MINE

[illegible], Mitchell County, N. C.
L GB & B 48.86

PROCESSED FOR PAYMENT (LBS.)	138.78 138.78
PROCESSED - NO PAYMENT (LBS.) THINS	
BLACK (*Dots, Spots, Stained*)	
UNDERSIZED	
PROCESSING LOSS	.47
TOTAL POUNDS PURCHASED	139.25 139.25

SELLER'S NAME AND ADDRESS (*Type or print*)

J. E. Wilson
% Mitchell Lumber Co.
Spruce Pine, N. C.

APPROVED

DEPOT SUPERINTENDENT

DATE 12-15-58

GSA WASH D C 58-3177

GSA FORM 1013a SEPTEMBER 1957

DMEA-4337

FORM APPROVED BY COMP. GEN., U.S. MARCH 25, 1957

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - MICA PURCHASE

MICA PURCHASE DEPOT - [illegible]

CERTIFICATE AUTHORIZATION NUMBER: [illegible] A	LOT NUMBER: [illegible] (a)	PROGRAM: [X] A [ ] B	DATE PURCHASED: 10-26-58
		VOUCHER NUMBER:	ACCEPTANCE NUMBER: 403-226 (a)
			SCHEDULE NUMBER:

EVALUATION DATA

QUALITY	RUBY HALF TRIM POUNDS	RUBY HALF TRIM PRICE PER LB.	RUBY HALF TRIM AMOUNT	RUBY FULL TRIM POUNDS	RUBY FULL TRIM PRICE PER LB.	RUBY FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$		$ 70.00	$
GRADES NO. 4 AND 5					40.00	
GRADES NO. 5½ AND 6					17.70	
STAINED						
GRADES NO. 3 AND LARGER		12.00			31.90	
GRADES NO. 4 AND 5		5.00			18.25	
GRADES NO. 5½ AND 6		3.00			7.55	
HEAVY STAINED						
GRADES NO. 3 AND LARGER		8.00			14.80	
GRADES NO. 4 AND 5		4.00			6.85	
GRADES NO. 5½ AND 6		2.00			4.00	
TOTALS			$			$

QUALITY	NONRUBY POUNDS	NONRUBY PRICE PER LB.	NONRUBY AMOUNT	NONRUBY FULL TRIM POUNDS	NONRUBY FULL TRIM PRICE PER LB.	NONRUBY FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$	2.42	$ 70.00	$ 169.40 169.40
GRADES NO. 4 AND 5				17.44	40.00	697.60 697.60
GRADES NO. 5½ AND 6				33.22	17.70	587.99 587.99
STAINED						
GRADES NO. 3 AND LARGER		9.60		.37	25.55	9.45 9.45
GRADES NO. 4 AND 5		4.00		15.73	14.60	229.95 229.95
GRADES NO. 5½ AND 6		2.40		26.73	6.55	175.21 175.21
HEAVY STAINED						
GRADES NO. 3 AND LARGER		6.40		.05	11.85	.59 .59
GRADES NO. 4 AND 5		3.20		1.47	5.45	8.01 8.01
GRADES NO. 5½ AND 6		1.60		3.04	4.00	12.16 12.16
TOTALS			$			$ 1890.36

TOTAL YIELD AND VALUE [ ] RUBY [X] NONRUBY (Half trim plus full trim) 100.51 LBS. $ 1890.36

ADJUSTED VALUE WHEN LESS THAN 18% GS & B (ABOVE VALUE $ _____ X _____ ÷ 18) $ 1890.36

FOR PROGRAM B, DEDUCT $4.00 PER POUND FOR RIFTING AND TRIMMING $

FINAL BASIS FOR PAYMENT 1890.36

LESS: INITIAL PAYMENT VOUCHER NUMBER SCHEDULE NUMBER $ 1890.36

BALANCE DUE [X] SELLER [ ] GOVERNMENT 1183.73 1183.73

NAME AND LOCATION OF MINE 706.63 706.63

[illegible], Mitchell County, S. C.

X GS & B $2.81

PROCESSED FOR PAYMENT (LBS.)	100.51
PROCESSED - NO PAYMENT (LBS.) THINS	
BLACK (Dots, Spots, Stained)	
UNDERSIZED	
PROCESSING LOSS	.43
TOTAL POUNDS PURCHASED	100.94

SELLER'S NAME AND ADDRESS (Type or print)

J. R. Wilson
Route 4
Statesville, N. C.

APPROVED

DEPOT SUPERINTENDENT

DATE 12-1-58

EXTRA COPY O.M.E.

RECEIVED DEC 24 1958

DATE INITIALS CODE

GSA WASH D C 58-3177

GSA FORM 1013a SEPTEMBER 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
ROOM 2-B POST OFFICE BLDG.
KNOXVILLE 2, TENN.

September 29, 1958

Memorandum

To: Finance Officer, Region V (OME) Morris, Tennessee

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

Subject: Royalty Payment: DMEA-4337, Idm-E977-mica.
Hawk Mining Co., c/o Frank Phillips, Spruce Pine, N.C.
Hawk Mine, Mitchell County, North Carolina

Attached are settlement sheets from the subject mine in the amount of $6,324.00 for mica sold and their check for royalty no.106, dated September 26, 1958 in the amount of $316.20 representing 5% royalty on the sale.

Robert A. Laurence

sm.
cc
Mittendorf
Lynch
Files

10/1
11/1 C Kirk 220 600

FORM APPROVED BY COMP. GEN., U.S. MARCH 25, 1957

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - MICA PURCHASE

MICA PURCHASE DEPOT - Spruce Pine, N. C.

PROGRAM: [X] A [ ] B

DATE PURCHASED: 9-3-56

ACCEPTANCE NUMBER: 9-12-104 (a)

CERTIFICATE AUTHORIZATION NUMBER: [redacted] A

LOT NUMBER: SPMC-104 (a)

VOUCHER NUMBER:

SCHEDULE NUMBER:

EVALUATION DATA

RUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$		$ 70.00	$
GRADES NO. 4 AND 5					40.00	
GRADES NO. 5½ AND 6					17.70	
STAINED						
GRADES NO. 3 AND LARGER		12.00			31.90	
GRADES NO. 4 AND 5		5.00			18.25	
GRADES NO. 5½ AND 6		3.00			7.55	
HEAVY STAINED						
GRADES NO. 3 AND LARGER		8.00			14.80	
GRADES NO. 4 AND 5		4.00			6.85	
GRADES NO. 5½ AND 6		2.00			4.00	
TOTALS			$			$

NONRUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT	
GOOD STAINED AND BETTER							
GRADES NO. 3 AND LARGER		$	$	1.32 1.32	$ 70.00	$ 92.40	
GRADES NO. 4 AND 5				9.50	40.00	380.00	
GRADES NO. 5½ AND 6				12.10	17.70	214.17	
STAINED							
GRADES NO. 3 AND LARGER		9.60		3.00	25.55	76.65	76.65
GRADES NO. 4 AND 5		4.00		9.13	14.60	133.30	133.30
GRADES NO. 5½ AND 6		2.40		10.94	6.55	71.66	
HEAVY STAINED							
GRADES NO. 3 AND LARGER		6.40		.72	11.85	8.53	8.53
GRADES NO. 4 AND 5		3.20		1.36	5.45	7.30	7.30
GRADES NO. 5½ AND 6		1.60	2.47	2.47	4.00	9.88	
TOTALS			$			$	

TOTAL YIELD AND VALUE [ ] RUBY [X] NONRUBY (*Half trim plus full trim*) 50.52 LBS. $ 993.89

ADJUSTED VALUE WHEN LESS THAN 18% GS & B (ABOVE VALUE $ _____ X _____ ÷ 18) $

FOR PROGRAM B, DEDUCT $4.00 PER POUND FOR RIFTING AND TRIMMING $

FINAL BASIS FOR PAYMENT $ 993.89

LESS: INITIAL PAYMENT VOUCHER NUMBER SCHEDULE NUMBER $ 561.18

BALANCE DUE [X] SELLER [ ] GOVERNMENT $ 432.71

993.89

NAME AND LOCATION OF MINE

[redacted], Mitchell County, N. C.

% GS & B 45.37

PROCESSED FOR PAYMENT (LBS.)	50.52
PROCESSED : NO PAYMENT (LBS.) THINS	
BLACK (*Dots, Spots, Stained*)	
UNDERSIZED	
PROCESSING LOSS	.17
TOTAL POUNDS PURCHASED	50.69

50.52

SELLER'S NAME AND ADDRESS (*Type or print*)

J. R. Wilson
% Mitchell Lumber Co.
Spruce Pine, N. C.

APPROVED

DEPOT SUPERINTENDENT

DATE 9-19-56

GSA WASH D C 58-3177

GSA FORM 1013a

FORM APPROVED BY COMP. GEN., U.S. MARCH 25, 1957

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - MICA PURCHASE

PAYEE COPY TO BE MAILED WITH CHECK

MICA PURCHASE DEPOT - Franklin, N.C.

PROGRAM	DATE PURCHASED
[X] A [ ] B	August 29, 1958
	ACCEPTANCE NUMBER 7-91 MY

CERTIFICATE AUTHORIZATION NUMBER	LOT NUMBER	VOUCHER NUMBER	SCHEDULE NUMBER
1-230			

PAYEE COPY TO BE MAILED WITH CHECK

EVALUATION DATA

RUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$		$ 70.00	$
GRADES NO. 4 AND 5					40.00	
GRADES NO. 5½ AND 6					17.70	
STAINED						
GRADES NO. 3 AND LARGER		12.00			31.90	
GRADES NO. 4 AND 5		5.00			18.25	
GRADES NO. 5½ AND 6		3.00			7.55	
HEAVY STAINED						
GRADES NO. 3 AND LARGER		8.00			14.80	
GRADES NO. 4 AND 5		4.00			6.85	
GRADES NO. 5½ AND 6		2.00			4.00	
TOTALS			$			$

NONRUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$	5.0782	$ 70.00	$ 355.47
GRADES NO. 4 AND 5				34.6248	40.00	1384.99
GRADES NO. 5½ AND 6				69.5665	17.70	1230.97
STAINED						
GRADES NO. 3 AND LARGER		9.60		8.4687	25.55	216.38
GRADES NO. 4 AND 5		4.00		53.0936	14.60	775.17
GRADES NO. 5½ AND 6		2.40		146.9213	6.55	962.33
HEAVY STAINED						
GRADES NO. 3 AND LARGER		6.40		3.4377	11.85	40.73
GRADES NO. 4 AND 5		3.20		11.6092	5.45	63.27
GRADES NO. 5½ AND 6		1.60		36.2028	4.00	144.81
TOTALS			$	368.9824		$ 5174.12

TOTAL YIELD AND VALUE [ ] RUBY [X] NONRUBY (*Half trim plus full trim*)	368.9824 LBS.	$ 5174.12
ADJUSTED VALUE WHEN LESS THAN 18% GS & B (ABOVE VALUE $ _____ X _____ ÷ 18)		$
FOR PROGRAM B, DEDUCT $4.00 PER POUND FOR RIFTING AND TRIMMING		
FINAL BASIS FOR PAYMENT		$ 5174.12
LESS: INITIAL PAYMENT VOUCHER NUMBER SCHEDULE NUMBER		2847.62
BALANCE DUE [X] SELLER [ ] GOVERNMENT		$ 2326.50

NAME AND LOCATION OF MINE

Hawk Nine, Mitchell County, N. C.

PROCESSED FOR PAYMENT (LBS.)	368.9824
PROCESSED - NO PAYMENT (LBS.) THINS	.7656
BLACK (Dots, Spots, Stained) Scrap	.8279
UNDERSIZED	-
PROCESSING Gain	.5959
TOTAL POUNDS PURCHASED	369.9800

SELLER'S NAME AND ADDRESS (*Type or print*)

Sam Thompson
Spruce Pine
North Carolina

APPROVED

DEPOT SUPERINTENDENT

Robert R. Morrison

DATE

September 12, 1958

GSA WASH D C 58-3177

GSA FORM 1013a
SEPTEMBER 1957

BIG HAWK MINING COMPANY

SCHEDULE OF SCRAP AND PUNCH MICA SOLD

SCRAP:

July 25, 1958	Diamond Mica Company	5,580 lbs. @ 31.00 T		86.49

PUNCH:

George Reid	June 30, 1958	600 lbs.	.05	30.00
Thelma Benfield	June 30, 1958	640 lbs.		31.50
Lee Ledford	July 15, 1958	160 lbs.		8.00
		1,400 lbs.		69.50

DMEA
RECEIVED AUG 14 1958

DATE	INITIALS	CODE
8/14	H. G.	225
	Dony	100
"		110
	E.E.G.	800
		600

DMEA EXPLORATION PROJECT

SEMI-ANNUAL REPORT ON CERTIFIED PROJECT

Reporting Period: To July 30, 1958. Examined: July 30, 1958.

Operator: Hawk Mining Company, Spruce Pine, North Carolina.

DMEA-4337, Contract Idm-E977. Commodity: Mica .

Date of Contract: July 23, 1956. Date Certified: April 18, 1958.

Expiration date of royalty Payments: July 23, 1966.

Total Amount of Contract: $6,760.00. Total Expended: $5,805.71.

Amount of Gov't Participation at 75%..$4,354.28 .

Royalty Payments this Period: $1,677.89. Previously Paid: None

Total Royalty Paid to date: $1,677.89. 1678.04 CARD

Percent Govt. Participation Repaid: 38.5%

Royalty Due on Production to date: None.

Royalty Remarks: Royalty has been paid on all sales except two on which final settlement has not been made.

Original estimate of DMEA Reserves (Field Team Final Report) None given.

Production DMEA Ore to date:

Type Mica	Pounds	Value
Sheet	2,319.27	$35,786.58*
Punch	3,599.00	178.95
Scrap	15,450.00	277.09
Total...	21,368.27	$36,242.62

* Does not include "Final Settlement" on last 2 sales.

REMARKS: The Operator has rehabilitated the main adit and the main inclined shaft and has been producing mica from the lowest level of the old works.

When visited July 30, 1958, Frank W. Phillips, one of the partners in the operation and owner of the land to the north of that covered by the contract, was operating a pan and bulldozer over the old works on his side of the deposit. He stated he was doing this on this own. He also is diamond drilling at a site along the highway not too far distant from the house shown to the northeast on the map. It is his intention to sink a shaft should anything be found by these operations.

Wm. A. Beck, Mining Engineer
Bureau of Mines (DMEA)

8/12/58

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

CENTRAL FILE COPY
DMEA
RECEIVED AUG 21 1958

DATE	INITIALS	CODE
8/21	J.g.	225
8/21	Hoch	600

August 18, 1958

Memorandum

To: Finance Officer, Region V (DMEA) Norris, Tenn.

From: Executive Officer, DMEA - Region V - Knoxville

Subject: Royalty Payment - DMEA-4337, Idm-E977-mica.
Hawk Mining Co., Hawk Mine, Mitchell County, N.C.

Transmitted are settlement sheets for mica sold from the subject mine in the amount of $9,392.91; and their check for 5% royalty on the sales in the amount of $469.65 to be credited to the contract.

Robert A. Laurence

zm.
enc.
Ck. No.67, dated
8/14/58--$469.65

Lynch
Mittendorf
Files

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - MICA PURCHASE

DATE PURCHASED: July 15, 1958

MICA PURCHASE DEPOT: Spruce Pine, N. C.

CERTIFICATE AUTHORIZATION NUMBER: 1-230

LOT NUMBER:

VOUCHER NUMBER:

SCHEDULE NUMBER: 2-72 MA

EVALUATION DATA

RUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$		$ 70.00	$
GRADES NO. 4 AND 5					40.00	
GRADES NO. 5½ AND 6					17.70	
STAINED						
GRADES NO. 3 AND LARGER		12.00			35.00	
GRADES NO. 4 AND 5		5.00			18.25	
GRADES NO. 5½ AND 6		3.00			5.06	
HEAVY STAINED						
GRADES NO. 3 AND LARGER		[illegible]			15.00	
GRADES NO. 4 AND 5		4.00			6.85	
GRADES NO. 5½ AND 6		2.00			4.00	
TOTALS			$			$

NONRUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$	8.4218	$ 70.00	$ 589.53
GRADES NO. 4 AND 5				35.2965	40.00	1411.86
GRADES NO. 5½ AND 6				96.2371	17.70	1704.99
STAINED						
GRADES NO. 3 AND LARGER		3.00		5.5279	25.00	136.19
GRADES NO. 4 AND 5		[illegible]		29.7968	14.60	435.03
GRADES NO. 5½ AND 6		[illegible]		95.8020	6.85	647.22
HEAVY STAINED						
GRADES NO. 3 AND LARGER		[illegible]		—	12.85	—
GRADES NO. 4 AND 5		2.00		3.9379	5.45	21.46
GRADES NO. 5½ AND 6		1.00		30.5386	4.00	122.43
TOTALS			$	308.7780		$ 5069.65

TOTAL YIELD AND VALUE [ ] RUBY [X] NONRUBY (Half trimming full trim)	308.7780 LBS.	$ 5069.65
ADJUSTED VALUE WHEN LESS THAN 18% G. & P. (ABOVE VALUE $ ____ X ____ ÷ 18)		$
FOR PROGRAM B, DEDUCT $4.00 PER POUND FOR BEFTING AND TRIMMING		
FINAL BASIS FOR PAYMENT		$ 5069.65
LESS: INITIAL PAYMENT VOUCHER NUMBER ____ SCHEDULE NUMBER		2756.74
BALANCE DUE [X] SELLER [ ] GOVERNMENT		$ 2312.91

NAME AND LOCATION OF MINE

Hawk Mine, Mitchell County, N. C.

PROCESSED FOR PAYMENT (LBS.)	308.7780
PROCESSED - NO PAYMENT (LBS.) THINS	3.0466
BLACK (Dots, Spots, Stained) Scrap	.9216
UNDERSIZED	—
PROCESSING LOSS Gain	.2462
TOTAL POUNDS PURCHASED	312.9000

SELLER'S NAME AND ADDRESS (Type or print)

Sam Thompson
Spruce Pine
North Carolina

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 21 1958

DATE	INITIALS	CODE

APPROVED

DEPOT SUPERINTENDENT (Acting)

Robert N. Bowman

DATE

August 7, 1958

GSA WASH D C 55-3177

GSA FORM 1013a
SEPTEMBER 1957

FORM APPROVED BY COMP. GEN. U.S. MARCH 25, 1957

GENERAL SERVICES [redacted] MINISTRATION

FINAL SETTLEMENT - MICA PURCHASE

MICA PURCHASE DEPOT - [redacted]

[redacted] A / P

DATE PURCHASED: 6-20-[redacted]

ACCEPTANCE NUMBER: [redacted] (a)

CERTIFICATE AUTHORIZATION NUMBER	LOT NUMBER	VOUCHER NUMBER	SCHEDULE NUMBER
[redacted] A	[redacted] (a)		

EVALUATION DATA

RUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$		$ 70.00	$
GRADES NO. 4 AND 5					[illegible]	
GRADES NO. 5½ AND 6					[illegible]	
STAINED						
GRADES NO. 3 AND LARGER		18.00			31.00	
GRADES NO. 4 AND 5		5.00			18.55	
GRADES NO. 5½ AND 6		3.00			7.55	
HEAVY STAINED						
GRADES NO. 3 AND LARGER		[illegible]			[illegible]	
GRADES NO. 4 AND 5		[illegible]			[illegible]	
GRADES NO. 5½ AND 6		[illegible]			[illegible]	
TOTALS			$			$

NONRUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT	
GOOD STAINED AND BETTER							
GRADES NO. 3 AND LARGER		$	$ 5.78	[redacted]	$ 70.00	$ [redacted]	404.60
GRADES NO. 4 AND 5			25.72	[redacted]	40.00	[redacted]	1028.80
GRADES NO. 5½ AND 6			27.90	[redacted]	17.70	[redacted]	443.83
STAINED							
GRADES NO. 3 AND LARGER		9.60	1.03	[redacted]	35.55	[redacted]	26.32
GRADES NO. 4 AND 5		4.00	12.25	[redacted]	14.60	[redacted]	178.85
GRADES NO. 5½ AND 6		2.40	24.19	[redacted]	6.55	[redacted]	158.44
HEAVY STAINED							
GRADES NO. 3 AND LARGER		5.40	.69	[redacted]	11.85	[redacted]	8.18
GRADES NO. 4 AND 5		3.20	5.75	[redacted]	5.45	[redacted]	31.34
GRADES NO. 5½ AND 6		1.60	12.38	[redacted]	4.00	[redacted]	49.52
TOTALS			$			$	

TOTAL YIELD AND VALUE [ ] RUBY [X] NONRUBY (*Half trim plus full trim*) [redacted] LBS. $ [redacted] 2379.88

ADJUSTED VALUE WHEN LESS THAN 18% GS & B (ABOVE VALUE $ _____ X _____ 18) $

FOR PROGRAM B, DEDUCT $4.00 PER POUND FOR SELLING AND TRANSPORTING

FINAL BASIS FOR PAYMENT $ [redacted] 2379.88

LESS: INITIAL PAYMENT [redacted] 1444.18

BALANCE DUE [X] SELLER [ ] GOVERNMENT $ [redacted] 935.70

NAME AND LOCATION OF MINE

[redacted], Mitchell Co., N. C.
[redacted] & B [redacted]

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DMEA
RECEIVED [redacted] 1958

DATE	INITIALS	CODE

PROCESSED FOR PAYMENT (LBS.)	[redacted] 115.69
PROCESSED - NO PAYMENT (LBS.) THINS	
BLACK (*Dots, Spots, Stained*)	
UNDERSIZED	
PROCESSING LOSS	[redacted] .25
TOTAL POUNDS PURCHASED	[redacted] 115.94

SELLER'S NAME AND ADDRESS (*Type or print*)

J. E. Wilson
Route 4, Box 279
Johnsonville, N. C.

APPROVED
DEPOT SUPERINTENDENT

DATE 7-31-[redacted]

Hawk mine - DMEA-4337

GSA WASH D C 59-4177

GSA FORM 1013a
SEPTEMBER 1957

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - MICA PURCHASE

PURCHASE DEPOT - [redacted], N. C.

DATE: 6-24-53

CERTIFICATE AUTHORIZATION NUMBER	LOT NUMBER	VOUCHER NUMBER	SCHEDULE NUMBER
[redacted] A	[redacted] (0)		[redacted] (0)

EVALUATION DATA

RUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$		$ 70.00	$
GRADES NO. 4 AND 5					40.00	
GRADES NO. 5½ AND 6					17.70	
STAINED						
GRADES NO. 3 AND LARGER		15.00			31.90	
GRADES NO. 4 AND 5		5.00			18.25	
GRADES NO. 5½ AND 6		3.00			7.55	
HEAVY STAINED						
GRADES NO. 3 AND LARGER		8.00			14.80	
GRADES NO. 4 AND 5		4.00			6.85	
GRADES NO. 5½ AND 6		2.00			4.00	
TOTALS			$			$

NONRUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT	
GOOD STAINED AND BETTER							
GRADES NO. 3 AND LARGER		$	$ .06	[redacted]	$ 70.00	$ [redacted]	4.20
GRADES NO. 4 AND 5			23.05	[redacted]	40.00	[redacted]	922.00
GRADES NO. 5½ AND 6			37.43	[redacted]	17.70	[redacted]	662.51
STAINED							
GRADES NO. 3 AND LARGER		3.60	.06	[redacted]	25.55	[redacted]	1.53
GRADES NO. 4 AND 5		1.00	7.25	[redacted]	14.60	[redacted]	106.29
GRADES NO. 5½ AND 6		3.40	24.69	[redacted]	6.55	[redacted]	161.72
HEAVY STAINED							
GRADES NO. 3 AND LARGER		6.40	.03	[redacted]	11.85	[redacted]	.36
GRADES NO. 4 AND 5		3.00	4.31	[redacted]	5.45	[redacted]	23.49
GRADES NO. 5½ AND 6		1.60	15.32	[redacted]	4.00	[redacted]	61.28
TOTALS			$			$	

TOTAL YIELD AND VALUE [ ] RUBY [X] NONRUBY (Half trim plus full trim) [redacted] LBS. $ [redacted] 1943.38

ADJUSTED VALUE WHEN LESS THAN 18% GS & B (ABOVE VALUE $ _____ x 112.23 LBS. 18) $

FOR PROGRAM B, DEDUCT $4.00 PER STAND FOR SLEEPER AND SWIMMING

FINAL BASIS FOR PAYMENT $ [redacted] 1943.38

LESS: INITIAL PAYMENT VOUCHER NUMBER SCHEDULE NUMBER

BALANCE DUE [X] SELLER [ ] GOVERNMENT $ [redacted] 1210.59 $ [redacted] 702.75

NAME AND LOCATION OF MINE

[redacted], Mitchell County, N. C.
% GS & B 38.94

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DMEA
RECEIVED

DATE		

SELLER'S NAME AND ADDRESS (Type or print)

J. E. Hilem
% Mitchell Lumber Co.
Spruce Pine, N. C.

PROCESSED FOR PAYMENT (LBS.)	112.23 [redacted]
PROCESSED - NO PAYMENT (LBS.)	
THINS	
BLACK (Dots, Spots, Stained)	
UNDERSIZED	1.10
PROCESSING [redacted]	1.10 [redacted]
TOTAL POUNDS PURCHASED	111.13 [redacted]

APPROVED

DEPOT SUPERINTENDENT

DATE [redacted]

DMEA-4337 Hawk Mine N.C.

GSA WASH D C 58-3177

GSA FORM 1013a
SEPTEMBER 1957

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

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DMEA
RECEIVED AUG 1 1958

DATE	INITIALS	CODE
8-1	C	220
8/4	Hook	600

July 30, 1958

Memorandum

To: Finance Officer, Region V - (DMEA)

From: Executive Officer, DMEA - Region V - Knoxville

Subject: Royalty Payment - DMEA-4337, Idm-E977 (mica)
Hawk Mining Company, Hawk Mine, Mitchell County, N.C.

Attached is a final settlement sheet for mica sold from the subject mine in the amount of $5,318.54, and a check for 5% royalty on the sale in the amount of $265.93.

zm.
Ck. No.39,
dated 7/28/58
$265.93

Mittendorf
Lynch
Files

FORM APPROVED BY COMP. GEN., U.S. MARCH 25, 1957

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - MICA PURCHASE

MICA PURCHASE DEPOT - Spruce Pine, N. C.

PROGRAM: [X] A [ ] B

DATE PURCHASED

ACCEPTANCE NUMBER 6-12-38 403-786 (R)

CERTIFICATE AUTHORIZATION NUMBER DSP-4-1006 A

LOT NUMBER SPRU-786 (R)

VOUCHER NUMBER

SCHEDULE NUMBER

EVALUATION DATA

RUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$		$ 70.00	$
GRADES NO. 4 AND 5					40.00	
GRADES NO. 5½ AND 6					17.70	
STAINED						
GRADES NO. 3 AND LARGER		12.00			31.90	
GRADES NO. 4 AND 5		5.00			18.25	
GRADES NO. 5½ AND 6		3.00			7.55	
HEAVY STAINED						
GRADES NO. 3 AND LARGER		8.00			14.80	
GRADES NO. 4 AND 5		4.00			6.85	
GRADES NO. 5½ AND 6		2.00			4.00	
TOTALS			$			$

NONRUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT	
GOOD STAINED AND BETTER							
GRADES NO. 3 AND LARGER		$	$	11.21	$ 70.00	$ 784.70	784.70
GRADES NO. 4 AND 5				44.27	40.00	1770.80	1770.80
GRADES NO. 5½ AND 6				66.37	17.70	1174.75	
STAINED							
GRADES NO. 3 AND LARGER		9.60		14.41	25.55	368.18	
GRADES NO. 4 AND 5		4.00		37.22	14.60	543.41	543.81
GRADES NO. 5½ AND 6		2.40		80.22	6.55	525.44	525.44
HEAVY STAINED							
GRADES NO. 3 AND LARGER		6.40		2.62	11.85	31.05	
GRADES NO. 4 AND 5		3.20		9.44	5.45	51.45	
GRADES NO. 5½ AND 6		1.60		17.10	4.00	68.75	68.75
TOTALS			$			$	

TOTAL YIELD AND VALUE [ ] RUBY [X] NONRUBY (*Half trim plus full trim*) 282.95 LBS. $ 5318.54

ADJUSTED VALUE WHEN LESS THAN 18% GS & B (ABOVE VALUE $ _____ X _____ ÷ 18) $

FOR PROGRAM B, DEDUCT $4.00 PER POUND FOR RIFTING AND TRIMMING 5315.54

FINAL BASIS FOR PAYMENT $ 5318.54

LESS: INITIAL PAYMENT VOUCHER NUMBER SCHEDULE NUMBER 3269.66

BALANCE DUE [X] SELLER [ ] GOVERNMENT 2048.88 $ 2048.88

OFFICIAL FILE COPY

DMEA RECEIVED DATE

NAME AND LOCATION OF MINE

Bent, Mitchell County, N. C.
Z CB & S 43.06

SELLER'S NAME AND ADDRESS (*Type or print*)

J. C. Wilson
% Mitchell Lumber Co.,
Spruce Pine, N. C.

PROCESSED FOR PAYMENT (LBS.)	282.95
PROCESSED - NO PAYMENT (LBS.) THINS	2.87
BLACK (*Dots, Spots, Stained*)	
UNDERSIZED	
PROCESSING LOSS	.44
TOTAL POUNDS PURCHASED	288.51

APPROVED

DEPOT SUPERINTENDENT

DATE 7-22-38

GSA WASH D C 56-3177

GSA FORM 1013a SEPTEMBER 1957

3659270

5318.54

OFFICE FILE COPY
DMEA
RECEIVED JUL. 10 1958

DATE	INITIALS	CODE
7/10	C	220
7/11	H	600

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

July 8, 1958

Memorandum

To: Finance Officer, Region V (DMEA) Norris, Tennessee

From: Executive Officer, DMEA - Region V - Knoxville

Subject: Royalty Payment - DMEA-4337, Idm-E977-mica
Hawk Mining Co., Hawk Mine, Mitchell County, N.C.

There are attached sales of mica in the amount of $6,469.49 and their check no.20, dated July 7, 1958 for 5% royalty on the sales amounting to $323.47 to be credited to their contract.

Robert A. Laurence

sm.
cc
Mittendorf
Lynch
Files

Scrap Mica

150.04
22.50
104.55

277.09

178.95
277.09
6,013.45

6,469.49

Spruce Pine, N. C. May 19, 1958

Bought From John E Wilson

10220 lbs. Gross

8720 lbs. Tare

1500 lbs. Net Wt. @ $30.00 per ton $22.50

..... lbs.

..... lbs.

THE ENGLISH MICA COMPANY

By [illegible]

I, or we, hereby certify that the mica this day sold to you was produced, transported and delivered to you in compliance with the Fair Labor Standards Act of 1938, as amended.

SIGNED.....

Spruce Pine, N. C. May 9, 1958

Bought From John E Wilson

15450 lbs. Gross

8450 lbs. Tare

7000 lbs. Net Wt. @ $30.00 per ton $104.55

..... lbs.

..... lbs.

THE ENGLISH MICA COMPANY

By [illegible]

I, or we, hereby certify that the mica this day sold to you was produced, transported and delivered to you in compliance with the Fair Labor Standards Act of 1938, as amended.

DIAMOND MICA COMPANY

Spruce Pine, N. C.

Date 6-24-58

From Johnny Wilson

Mine

Gross 18540

Tare 8860

Net 9680 Price 31.00

Amt 150.04 Ck. No. 14423

RECEIVED JUL 10 1958 D.M.E.A.

FORM APPROVED BY COMP. GEN., U.S. MARCH 25, 1957

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - MICA PURCHASE

MICA PURCHASE DEPOT - Franklin, New Hampshire

PROGRAM: [X] A [ ] B

DATE PURCHASED: May 27, 1958

ACCEPTANCE NUMBER: F-56 NR

CERTIFICATE AUTHORIZATION NUMBER: 1-230

LOT NUMBER:

VOUCHER NUMBER:

SCHEDULE NUMBER:

PAYEE COPY TO BE MAILED WITH CHECK

EVALUATION DATA

RUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$		$ 70.00	$
GRADES NO. 4 AND 5					40.00	
GRADES NO. 5½ AND 6					17.70	
STAINED						
GRADES NO. 3 AND LARGER		12.00			31.90	
GRADES NO. 4 AND 5		5.00			18.25	
GRADES NO. 5½ AND 6		3.00			7.55	
HEAVY STAINED						
GRADES NO. 3 AND LARGER		8.00			14.80	
GRADES NO. 4 AND 5		4.00			6.85	
GRADES NO. 5½ AND 6		2.00			4.00	
TOTALS			$			$

NONRUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$	4.9155	$ 70.00	$ 344.09
GRADES NO. 4 AND 5				48.8404	40.00	1953.62
GRADES NO. 5½ AND 6				89.0928	17.70	1576.94
STAINED						
GRADES NO. 3 AND LARGER		9.60		5.1249	25.55	130.94
GRADES NO. 4 AND 5		4.00		61.4529	14.60	897.38
GRADES NO. 5½ AND 6		2.40		134.2805	6.55	879.84
HEAVY STAINED						
GRADES NO. 3 AND LARGER		6.40		2.3906	11.85	28.33
GRADES NO. 4 AND 5		3.20		17.6092	5.45	95.97
GRADES NO. 5½ AND 6		1.60		35.7024	4.00	142.81
TOTALS			$	398.8092		$ 6013.43

TOTAL YIELD AND VALUE [ ] RUBY [X] NONRUBY (Half trim plus full trim) 398.8092 LBS. $ 6013.43

ADJUSTED VALUE WHEN LESS THAN 18% GS & B (ABOVE VALUE $ _____ X _____ ÷ 18) $

FOR PROGRAM B, DEDUCT $4.00 PER POUND FOR RIFTING AND TRIMMING

FINAL BASIS FOR PAYMENT $ 6013.43

LESS: INITIAL PAYMENT VOUCHER NUMBER SCHEDULE NUMBER 3050.32

BALANCE DUE [X] SELLER [ ] GOVERNMENT $ 2963.11

NAME AND LOCATION OF MINE

Hawk Mine, Mitchell County, N. C.

PROCESSED FOR PAYMENT (LBS.)	398.8092
PROCESSED - NO PAYMENT (LBS.) THINS	2.7495
BLACK (Dots, Spots, Stained) Scrap	1.2399
UNDERSIZED	-
PROCESSING Main	.9686
TOTAL POUNDS PURCHASED	401.8300

SELLER'S NAME AND ADDRESS (Type or print)

Sam Thompson
Spruce Pine
North Carolina

RECEIVED JUL 10 1958 D.M.E.A.

APPROVED

DEPOT SUPERINTENDENT: Robert H. Morrison

DATE: June 26, 1958

GSA WASH D C 58-3177

GSA FORM 1013a SEPTEMBER 1957

Punch Mics.

23.25
55.00
25.00
20.00
16.25
13.25
8.00
17.00

178.95
178.95

Date April 25 1958

M Hook mine

No.

Reg. No.	Clerk	ACCOUNT FORWARD		
1	Hook mine		1	70 lb
2				5
3			$ 7	50
4			3	75
5	Herbert Bulson		$ 11	25
6				
7				
8	101 lb		3	00
9			$ 14	25
10				
11				

Date April 16 195

M

No. Hook mine

Reg. No.	Clerk	ACCOUNT FORWARD		
1	Hook mine			
2			160 lb	
3	225		65	
4	59		2	25 lb
5	11.25			
6			$ 11	25
7			2	00
8		$	13	25
9				
10				
11				
12	H. Bulson			
13				

Date April 22 195

M

No. Hook mine

Reg. No.	Clerk	ACCOUNT FORWARD		
1	Hook mine			
2			80 lb	
3				
4			$ 4	00
5	80 lb		4	00
6		$	8	00
7				
8				
9				
10				
11				
12				
13	George Reed			
14				
15	28			

Your Account Stated to Date — If Error is Found Return at Once.

RECEIVED JUN 20 1955 D.M.E.A.

Date June 13 1958

M Hook mine

No.

Reg. No.	Clerk	ACCOUNT FORWARD		
1	Hook	10 lb	7	50
2	June 22	190 lb	8	50
3			16	00
4				
5				
6				
7				
8				
9				
10				
11				
12				
13	Edward Berfield			
14				
15	29			

Your Account Stated to Date — If Error is Found Return at Once.

Date March 4 1958

M

No. Hawk mine

Reg. No.	Clerk	ACCOUNT FORWARD		
1	Punch mine		4	65
2				5
3			$23	26
4				
5				
6				
7				
8				
9				
10				
11				
12				
13	Claud Buchanan			
14				
15	24			

Your Account Stated to Date — If Error is Found Return at Once.

Date March 3 1958

M

No. Hawk mine

Reg. No.	Clerk	ACCOUNT FORWARD		
1	Punch mine		6	00
2				54
3	100		30	00
4				
5	4 5.00		2	00
6			35	00
7				
8	Thurman Benefield			
9				
10			35	00
11			10	00
12		$	4 5	00
13			1 8	00
14				
15	25	$	6 5	00

Your Account Stated to Date — If Error is Found Return at Once.

Date March 1 1958

M Hawk mine

No.

Reg. No.	Clerk	ACCOUNT FORWARD		
1	Punch mine		6	00
2				54
3			$25	00
4				
5				
6				
7				
8				
9				
10				
11				
12				
13	Howard Burrison			
14				
15	23			

Your Account Stated to Date — If Error is Found Return at Once.

Date March 26 1958

M Hawk mine

No.

Reg. No.	Clerk	ACCOUNT FORWARD		
1	Punch mine		4	24
2				54
3		$	21	20
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14	Alpit Buchanan			
15	22			

Your Account Stated to Date — If Error is Found Return at Once.

RECEIVED JUL 30 1958 D.M.E.

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

May 19, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 21 1958

DATE	INITIALS	CODE
5/21	R.J.	226
5/21	[illegible]	600

Memorandum

To: Finance Officer, DMEA - Region V - Norris, Tenn.

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

Subject: Royalty Payment _ DMEA-4337, Idm-E977-mica.
Hawk Mining Company, Hawk Mine, Mitchell County, N.C.

Transmitted are bills-of sale in the amount of $6,446.01 and a check in the amount of $322.30 representing 5% royalty on the sales.

Robert A. Laurence
Executive Officer, DMEA-Region V

Enc. 3
Ch. no.-
dated 5/16/58--$322.30

Lynch
Mittendorf
Files

FORM APPROVED BY COMP. GEN., U.S. MARCH 25, 1957

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - MICA PURCHASE

MICA PURCHASE DEPOT - Franklin, New Hampshire

PROGRAM: [X] A [ ] B

DATE PURCHASED: April 17, 1958

ACCEPTANCE NUMBER:

CERTIFICATE AUTHORIZATION NUMBER: 1-230

LOT NUMBER: P-146NR

VOUCHER NUMBER:

SCHEDULE NUMBER:

EVALUATION DATA

RUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER		$	$		$ 70.00	$
GRADES NO. 3 AND LARGER					40.00	
GRADES NO. 4 AND 5					17.70	
GRADES NO. 5½ AND 6						
STAINED						
GRADES NO. 3 AND LARGER		12.00			31.90	
GRADES NO. 4 AND 5		5.00			18.25	
GRADES NO. 5½ AND 6		3.00			7.55	
HEAVY STAINED						
GRADES NO. 3 AND LARGER		8.00			14.80	
GRADES NO. 4 AND 5		4.00			6.85	
GRADES NO. 5½ AND 6		2.00			4.00	
TOTALS			$			$

NONRUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER		$	$	5.7812	$ 70.00	$ 404.68
GRADES NO. 3 AND LARGER				28.5780	40.00	1143.52
GRADES NO. 4 AND 5				58.9996	17.70	1044.29
GRADES NO. 5½ AND 6						
STAINED						
GRADES NO. 3 AND LARGER		9.60		4.2030	25.55	107.39
GRADES NO. 4 AND 5		4.00		20.6993	14.60	300.90
GRADES NO. 5½ AND 6		2.40		107.9682	6.55	720.29
HEAVY STAINED				--		--
GRADES NO. 3 AND LARGER		6.40			11.85	
GRADES NO. 4 AND 5		3.20		3.5780	5.45	19.50
GRADES NO. 5½ AND 6		1.60		33.0933	4.00	132.37
TOTALS			$	264.8106		$ 3872.94

TOTAL YIELD AND VALUE [ ] RUBY [X] NONRUBY (Half trim plus full trim) 264.8106 LBS. $ 3872.94

ADJUSTED VALUE WHEN LESS THAN 18% GS & B (ABOVE VALUE $ _____ X _____ % 1B) $

FOR PROGRAM B, DEDUCT $4.00 PER POUND FOR RIFFING AND TRIMMING

FINAL BASIS FOR PAYMENT $ 3872.94

LESS: INITIAL PAYMENT VOUCHER NUMBER SCHEDULE NUMBER 1939.47

BALANCE DUE [X] SELLER [ ] GOVERNMENT $ 1933.47

NAME AND LOCATION OF MINE

Hank Mine, Mitchell County, North Carolina

SELLER'S NAME AND ADDRESS (Type or print)

DMER-4337

Sam Thompson
Spruce Pine,
North Carolina

PROCESSED FOR PAYMENT (LBS.)	264.8106
PROCESSED - NO PAYMENT (LBS.) THINS	1.3749
BLACK (Dots, Spots, Stained) Scrap	.9050
UNDERSIZED	--
PROCESSING LOSS	.1485
TOTAL POUNDS PURCHASED	267.2400

APPROVED

PROJECT SUPERINTENDENT

Robert A. Harrison

DATE May 5, 1958

Retain for your review GSA FORM 1013a

FORM APPROVED BY COMP. GEN., U.S. MARCH 25, 1957

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - MICA PURCHASE

MICA PURCHASE DEPOT - Spruce Pine, N. C.

PROGRAM: [X] A [ ] P

DATE PURCHASED: 4-21-56

ACCEPTANCE NUMBER: A03-671(a)

CERTIFICATE AUTHORIZATION NUMBER: [illegible]-6-1006 A

LOT NUMBER: [illegible]-671 (a)

VOUCHER NUMBER:

SCHEDULE NUMBER:

EVALUATION DATA

RUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$		$ 70.00	$
GRADES NO. 4 AND 5					46.00	
GRADES NO. 5½ AND 6					17.70	
STAINED						
GRADES NO. 3 AND LARGER		12.00			31.90	
GRADES NO. 4 AND 5		5.00			18.25	
GRADES NO. 5½ AND 6		3.00			7.55	
HEAVY STAINED						
GRADES NO. 3 AND LARGER		8.00			14.80	
GRADES NO. 4 AND 5		4.00			6.85	
GRADES NO. 5½ AND 6		2.00			4.00	
TOTALS			$			$

NONRUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT	
GOOD STAINED AND BETTER							
GRADES NO. 3 AND LARGER		$	$	1.96	$ 70.00	$ 93.80	93.80
GRADES NO. 4 AND 5			22.87	22.87	46.00	914.80	
GRADES NO. 5½ AND 6			43.60	43.60	17.70	771.72	
STAINED							
GRADES NO. 3 AND LARGER		9.60		2.69	25.50	68.73	
GRADES NO. 4 AND 5		4.00		80.36	34.60	300.16	300.16
GRADES NO. 5½ AND 6		2.40		51.13	6.55	334.90	334.90
HEAVY STAINED							
GRADES NO. 3 AND LARGER		6.40		.65	11.85	7.70	
GRADES NO. 4 AND 5		3.20		5.16	5.45	28.12	28.12
GRADES NO. 5½ AND 6		1.60	13.28	13.28	4.00	53.12	
TOTALS			$			$	

TOTAL YIELD AND VALUE [ ] RUBY [X] NONRUBY (Half trim plus full trim) 151.25 LBS. $ 2573.07

ADJUSTED VALUE WHEN LESS THAN 18% GS & B (ABOVE VALUE $ _____ X _____ ÷ 18) $

FOR PROGRAM B, DEDUCT $4.50 PER POUND FOR RIFFING AND TRIMMING

FINAL BASIS FOR PAYMENT $ 2573.07 2573.07

LESS: INITIAL PAYMENT VOUCHER NUMBER SCHEDULE NUMBER 1312.32 1312.32

BALANCE DUE [X] SELLER [ ] GOVERNMENT $ 1060.75 1060.75

NAME AND LOCATION OF MINE

Hawk, Mitchell Co., N. C.
% GS & B 42.04

PROCESSED FOR PAYMENT (LBS.) 161.30

PROCESSED - NO PAYMENT (LBS.)

THINS [illegible] .81

BLACK (Dark, Spots, Stained)

UNDERSIZED

PROCESSING LOSS [illegible] .10

TOTAL POUNDS PURCHASED [illegible]

SELLER'S NAME AND ADDRESS (Type or print)

J. E. [illegible]
% Mitchell Lumber Co
Spruce Pine, No Co

APPROVED

TEST SUPERVISOR

DATE

DMEA-4337

1013

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

May 13, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 13 1958

DATE	INITIALS	CODE
5-13	C	220
5/14	Hirsch	600

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4337 (mica)

Applicant: Hawk Mining Company

Name and Location of Property: Hawk Mine, Mitchell County, N. C.

Contract Number: Idm-E 977

Date of Field Team Final Report: 4/28/58

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 5/2/58

Field Team Recommendation: Recommend this project be certified.

Comments:

1. This mine has a long history. Large quantities of strategic mica have been produced and as late as 1957 a 250 pound block of mica was recovered from an old pillar.

2. Recent exploration under contract consisted of diamond drill holes which indicate the continuity of mica-rich pegmatite beyond limits of old workings, and reserves are considered by the field team to be fairly large.

3. Expenditures -

Total approved	$6,760.00
Total cost	5,805.71
Gov't. share of the cost	4,354.28
Value of production during operation	15,323.81
Royalty paid to date	765.80

Recommendation:

I concur with the field team that this project be certified as a discovery.

W. F. Dietrich

W. F. Dietrich

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

DMEA
RECEIVED APR 30 1958

DATE	INITIALS	CODE
4/30	C	220
4/30	esf	130
"	[illegible]	110
5/5	[illegible]	130
5/6	C	220
5/8	[illegible]	600

April 28, 1958

Memorandum

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

From: Field Team, Region V, Knoxville, Tennessee

Subject: Final Report - Docket No. DMEA-4337, Contract Idm-E977
Hawk Mining Company, Spruce Pine, North Carolina
Hawk Mine (Mica), Mitchell County, North Carolina

Enclosed are the original and two copies of the Field Team final report on the Hawk mine project.

The drilling indicated continuity of the pegmatite zone, although it is impossible to estimate mica reserves within any reasonable limits from only three drill holes.

Certification is recommended.

Robert A. Laurence
Robert A. Laurence
Executive Officer

V. J. Lynch
V. J. Lynch, Member
Bureau of Mines

Enclosures 3

Reviewed by
DMEA OPERATING COMMITTEE
5-5-58
(Date)

Field Team
Final Rpt.

DMEA
RECEIVED APR 30 1958

DATE	INITIALS	CODE
5/5	JB	130
		220

UNITED STATES

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT

REGION V

DMEA-4337, Idm-E977 (Mica) HAWK MINE
Mitchell County, North Carolina

S. C. Bergman, Geologist
U. S. Geological Survey

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

Reviewed by
DMEA OPERATING COMMITTEE
5-5-58
(date)

April 24, 1958

DMEA
RECEIVED APR 30 1958
DATE | INITIALS
5/5 | JHB | 130
220

EXPLORATION PROJECT CONTRACT

FINAL REPORT

DMEA-4337, Idm-E977 (mica) HAWK MINE
Mitchell County, North Carolina

Operator: Hawk Mining Company, a partnership composed of Frank W. Phillips, George Reid, and Johnny Wilson
Spruce Pine, North Carolina

SUMMARY

Three angle (-45°) diamond drill holes totaling 1329 feet were completed during the contract period. Ninety-nine feet of the last hole drilled was at the Operator's expense. Holes 1 and 2 intercepted 3.5- to 4.2-foot thick segments of pegmatite with composition and texture favorable for the occurrence of strategic muscovite. The intercepts indicate a continuation of the main Hawk pegmatite zone of at least 250 feet southwestward along the plunge of the structures. Although the intercept in the southwesternmost hole (No. 3) is only 3 inches, it does not exclude the possibility of additional productive continuity in that direction, as pegmatite in the old mine workings is in the form of discontinuous lenses. Because of this discontinuity of structure, it is rather surprising that as much pegmatite was cut in the three drill holes. Although a large reserve area can be defined, a specific reserve estimate cannot be made, because of the lack of statistics as to the ratio of pegmatite to country rock and the ratio of mica-rich to barren pegmatite within the zone. A latent to inferred (?) reserve exists in a pegmatite zone which was cut in the drill holes, 80-90 feet stratigraphically in the hanging wall of the main Hawk Mine zone. The intercepts are of favorable composition and texture, and appear to have good horizontal and vertical continuity. A need for further exploration of this zone is indicated, probably best from underground stations in the Hawk Mine. The Operator is presently driving a heading southwestward from the lowest level in the old workings in an attempt to develop this newly outlined reserve area. Because of the indicated continuity of the mica-rich Hawk pegmatite zone, and the intersection of a parallel zone of favorable, but essentially unexplored potential, certification of discovery is recommended.

INTRODUCTION

Location

The Hawk Mine is located at the extreme south end of Little Hawk Mountain at surface elevations of between 3,045 and 3,225 feet. It is 1.1 airline miles N. 46° E. of Hawk Post Office, Mitchell County, North Carolina, and can easily be reached from the town of Bakersville by paved and graveled

all-weather roads to within 200 feet of the main adit portal. The mine is located in the south-central one-ninth of the Carvers Gap (208-SE), North Carolina-Tennessee quadrangle (USGS-TVA Ed. 1934, scale 1:24,000).

Previous Work

The history of the Hawk Mine is outlined by D. B. Sterrett on page 245 of USGS Bull. 740 (1923). The geology was mapped and described in some detail by J. C. Olson in a USGS file report, dated December 1942.

The mine was first worked by Buchanan and Buchanan in 1870, then by Heap and Clapp, and later by others. It was actively worked from several shafts and adits to a depth of 250 feet along the pegmatite zone. The mine was idle from 1895 to about 1920-21, when the Universal Mica Company sank a shaft (south or universal)to a depth of 120 feet. The shaft was soon abandoned because of a property dispute. The main adit was driven intermittently into the south slope of the hill by several parties, and completed in 1937 by Alfred Smith. Pegmatite was stoped out above the adit level and mined on the second, third, and fourth levels by means of a winze. Smith operated the mine for 18 months. J. C. McKinney and Bruce Morgan then worked the mine, abandoning it in October 1942. In late 1953 the present operators began to excavate along the surface trace of the old workings. A cut was bulldozed to a depth of approximately 100 feet for at least 600 feet along strike. A total of $28,042.00 worth of muscovite was recovered from the muck and pegmatite remaining in the old pillars. The work continued intermittently into late 1957. The mica from the old works is reported to be of excellent quality, and sheets up to 18- x 20-inches across are said to have been trimmed out. In May 1940 a block of muscovite weighing 860 pounds was recovered from near the pegmatite footwall on the

fourth level. In early 1957 a 250 pound block was recovered from a pillar in the old works, and other large blocks have been reported.

In April 1955 the present Operator initiated a request for DMEA assistance in the form of diamond drilling to explore for the southwest plunge projection of the Hawk pegmatite. The drilling was to have been followed by shaft and drift work to develop any new ground outlined (DMEA-3779). The overall cost of such a proposal was not believed to be justified, and a contract involving drilling alone was suggested. The application was withdrawn because of the Applicant's unwillingness to accept the alternate proposal. In June 1956 the Applicant renewed his request, but solely on the basis of diamond drilling. A contract was then drawn and signed under Docket No. DMEA-4337, Contract No. Idm-E977.

Contract Work

The access road and drill site for Diamond Drill-Hole no. 2 was bulldozed during the second week in August 1956; all contract drilling completed by March 18, 1957. All contract costs were inclusive in the per foot unit drill cost. At the site shown on the enclosed plan map, Hole no. 2 was collared and drilled to a depth of 350 feet inclined at -45° with a N. 78° W. bearing. At a site about 10 feet uphill, two unsuccessful prior attempts had been made to collar the hole through the deeply weathered residium. Both attempts were given up at a depth of approximately 50 feet. During this period a driller of 17 years experience quit in frustration, and one loaned by the Longyear Company broke his arm, reportedly by getting caught on the rotating drill chuck or screw feed. Several young inexperienced men working for the Operator as drill helpers

and in other capacities, completed the first hole and the project with a minimum of difficulty. Because of the difficulties encountered in collaring the first hole, an amendment was drawn to permit a reduction in bit size when needed. Hole no. 2 was drilled NX-size from 0 to 168 feet and AX-size from 168 to 350 feet. No core was recovered from 0 to 41 feet with approximately 100 percent recovered from 41 feet to the bottom of the hole.

Hole no. 1 was collared 20 feet uphill from the position shown on the plan map. At a depth of approximately 219 feet, the driller twisted and broke a rod section leaving approximately 170 feet of AX-rod, and BX-bit, reamer, and core barrel in the hole. After fishing for the equipment for two weeks or more, the Operator gave up and moved to the site of Hole no. 3 as shown on the plan map. Hole no. 3 was oriented the same as Hole no. 2 and drilled to a depth of 602 feet. No core was recovered from 0 to 72 feet, with approximately 100 percent recovery from 72 to 602 feet. DMEA participation was cut off at 503 feet as it was apparent that the hole was well beyond the Hawk Mine zone at that point. The Operator drilled the last 99 feet of hole at his own expense in the rather slim hope of hitting new pegmatite, or that somehow the Hawk Mine zone had drastically changed in attitude and was still beyond. The hole was drilled NX-size from 0 to 120 feet, BX-size from 120 to 286.5 feet, and AX-size from 286.5 to 602 feet. After completion of Hole no. 3, the Operator returned to the site of Hole no. 1 and redrilled it from the position shown on the plan map, to a depth of 377 feet. The hole was drilled NX-size from 0 to 133 feet, BX-size from 133 to 362 feet, and AX-size from 362 to 377 feet. No core was recovered from 0 to 80 feet with approximately 100 percent recovery from 80 to 377.

A total of 1,558 feet of hole was drilled during the contract period, of which 1,230 feet was allowable under the contract specifications. The other 328 feet was mostly in uncompleted holes and the unauthorized extension of one hole drilled at the Operator's option. The Operator's inexperience and occasional negligence proved to be very costly to him. In addition to occasional poor operational procedures, a large quantity of good drill rod, casing, and couplings was found months after the contract period, rusting at the drill site. This material was dumped at random, with some of the rod and casing still bound in its original cases. In spite of this, the drillers produced excellent core recovery below the weathered zone (better than 98 percent). The drill setup and orientation was very good, and the target zone was cut in each of the completed holes with two intersections of significant thickness and other physical characteristics. Logs of the completed holes are drawn graphically on the accompanying drill sections.

GEOLOGY

The Hawk pegmatite is actually a zone of concordant, discontinuous lenses, and elongate pinching and swelling structures, which strike N. 20° E. at the southwest end of the area to N. 45° E. at the northern end. The pegmatite and foliation of the country rock is parallel, and dips steeply from 65 to 85 degrees southeast in the mine area, while dips of from 75 degrees northwest to vertical occur along the southeast side of the area. In the old stope areas pegmatite varies in thickness from less than a foot to more than 12 feet. The Hawk Mine zone appears to have a gross plunge of 45 to 50 degrees southwest, which is evidenced by the shape of the old workings and the plunge of minor fold axes and lineation

in the country rock. In a visit to the recently unwatered and rehabilitated lower stope area (southwest end), it was noted that pegmatite is broken into at least three discontinuous segments in the vertical section, with intervals of from 3 to 12 feet of country rock between the crests and keels of the separate structures. There is some suggestion that the lenses may be discontinuous to a lessor degree along strike and elongate in the plunge direction. Although the lenses occur more or less in one foliation plane, they also occur in a closely parallel en echelon arrangement. It was also noted that the plunge of lenses exposed in the southwest end of the stope area was no more than 15 to 20 degrees southwest. This means that the lenses are probably arranged en echelon down dip and to the southwest in the longitudinal section, although the indicated gross plunge of the zone (45-50° SW) appears to be legitimate. Minable structures within the zone have a total dimension of approximately 200 feet in a direction normal to the plunge. The drill hole intercepts indicate a zonal continuation along plunge of at least 250 feet beyond the old workings. The fact that only 3 inches of pegmatite was cut in the zone in Hole no. 3 does not indicate an end to the zone to the southwest along plunge. Because of the discontinuity of structure indicated in the old works, it appears to be only by chance that Holes 2 and 1 cut significant thicknesses (3.5 to 4.2 feet) of pegmatite.

What appears to be a zone of previously unexplored pegmatites of similar occurrence was cut in the drill holes about 80 to 90 feet stratigraphically above the main zone. This zone appears to have good strike and dip continuity, as it was cut in all three drill holes, and apparently lines up with pegmatites mapped in the main adit and at the surface. Intervals

of from 3 to 30 inches were cut, each with favorable composition and texture for the occurrence of strategic muscovite. Thicker increments of pegmatite might well be outlined because of its structural similarity to the main zone. Additional exploration could best be pursued from the now accessible lower stope area by means of a fan of crosscutting diamond drill-holes to the southeast. The main problem would appear to be probing for minable thicknesses of pegmatite, as it is believed that the compositional environment of the main zone can be extrapolated within limits. Pegmatites cut higher in the holes appear to be texturally and to some extent compositionally less favorable than the main zone. A reserve of from latent to inferred status can possibly be assigned to the hanging wall zone, but as is the case with the main zone, a specific reserve cannot be estimated, because of the lack of information as to the proportion of pegmatite to country rock within the zone, and the ratio of barren to mica-rich material within the pegmatites.

Pegmatite in the Hawk Mine is a poorly zoned mixture of medium- to coarse-grained oligoclase (C. S. Ross; described in GSA Memoir 52, pp. 17-22), interstitial quartz, and muscovite, with a minor amount of biotite and garnet. Biotite occurs as small oriented flakes that appear to be remnants of inclusions of country rock. Garnet is locally abundant near the contacts both in the pegmatite and in the country rock. Minor alteration and accessory minerals known to be present include tourmaline, apatite, pyrite, pyrrohotite, thulite, and sericite. Locally, masses of coarse-grained microcline and microcline-perthite occur, generally in the thicker segments of pegmatite. The barren microcline zones are generally centrally located, but at some places occur adjacent to one contact or the other. The mica-rich zones are characterized by a relatively coarse

euhedral plagioclase-quartz interface. This feature appears to be common to many of the better mica-rich pegmatites. J. C. Olson, in the USGS file report, mentions that a possible useful tool for prospecting and development is the recognition of country-rock alteration along the pegmatite margins which can be traced between lenses and beyond the zonal extremities. This alteration includes the presence of a coarse-crinkled muscovite-garnet-rich schist derived from a normal predominant quartz-muscovite-biotite gneiss, and a lustrous, coarse-crinkled, biotite schist, derived from the interlayered hornblendic bands.

The country rock in the Hawk Mine vicinity was not found to be dominantly hornblende gneiss as reported in the wartime report. The drill holes collared and drilled a broad belt of what had been mapped as hornblende gneiss, but is actually a more or less uninterrupted sequence of fine- to medium-grained quartz-muscovite-biotite gneiss of varying proportions and textures, commonly with garnetiferous layers. The gneiss is repetitiously interlayered with thin 1/16 inch to 2-foot thick layers of chloritic hornblende schist with some hornblende-quartz gneiss. In Holes 2 and 3, sequences, 60 and 45 feet thick respectively, of hornblende and hornblende-biotite gneiss and schist were cut which do not appear to have continuity and parallelism from hole-to-hole. These sequences are believed to be the crestal area of a series of isoclinal dragfolds, which have duplicated and thickened the more competent hornblendic layers and squeezed out the less competent muscovite-biotite gneiss. It is estimated that the hornblendic layers represent approximately 20 to 30 percent of the total interval drilled.

On the surface the feldspathic quartz-muscovite-biotite gneiss is easily weathered, disintegrated, and washed away, leaving a residual concentration of slabs of the heavier, more resistant, hornblende schist. Mapping in deeply weathered terrain often necessitates utilizing float material. It is easy to see how, in such an instance, this can be misleading, as the same situation has been encountered on several other drilling projects in the area. The hornblendic rocks appear to be far less common as a mappable unit than geologic mapping in the area would indicate.

Superimposed across both pegmatite and country rock is an extensive alteration phase, which occupies both random fractures and numerous small vertical northwest-trending (post-pegmatite) joint fractures. The alteration is of widespread occurrence in the Spruce Pine area but affects only a very small volume of ground at any one place. The alteration consists of narrow fine-grained bands of silicification which extend outward from the margins of the joint fractures and in narrow bands parallel to the foliation. The silicification is invariably accompanied by disseminated pyrite and a general destruction of the original rock textures. Epidote is a common constituent, both in lineated vugs along the silicified foliation, along the vertical joint fractures, and in random irregular veinlets, again invariably accompanied by disseminated sulfides. Muscovite rich bands cutting altered joint planes are intensely color-altered from dark reddish-brown to a light grass-green color, and other constituents of the rock except quartz, have largely disappeared.

Muscovite from the Hawk Mine is a clear light reddish-brown color, and occurs, locally, in very large books. Ruling in muscovite,

occurring near faults cutting the pegmatite, appears to be the worst physical defect along with some minor related bending. Very little mineral (biotite or oxide) intergrowth was noted or has been reported. It is reported that the muscovite is not localized in any particular part of the pegmatite, but from what could be seen of the pegmatite on a recent visit, the mica appeared to have a preference for one or the other of the contacts. Sharp flextures (change of dip, dragfolding, etc.) of the pegmatite margins commonly occur with an orientation parallel to the plunge of the structures. As in other mica-rich pegmatites of similar occurrence, muscovite may well be expected to occur localized in discontinuous zones along the axis of these convolutions.

CONCLUSIONS AND RECOMMENDATIONS

The contract drilling resulted in extending the known limits of the Hawk Mine pegmatite at least 250 feet beyond the old works to the southwest and down the plunge of the structure. The drilling did not delineate the limits of the pegmatite zone and further unexplored potential is still believed to exist. In addition to extending the main Hawk Mine zone, the drilling intercepted a hanging-wall pegmatite zone of undefined potential. Favorable structural continuity and pegmatite composition is indicated in this zone, and a reserve of latent potential is believed to be present.

In the main pegmatite zone, the outlined reserve area is believed to be of indicated status, but the mica-potential can only be inferred. Although projectability of past production to the reserve zone is believed to be good, no specific information is available as to the

ratio of country rock to pegmatite within the zone, or the ratio of mica-rich to barren pegmatite. Without this information no reasonably accurate reserve figure can be made.

As at least nine-tenths of the past production prior to 1953 was before World War II, the recovered sheet undoubtedly averaged less than $1.00 per pound, with much of it at approximately $0.30 per pound. The Hawk muscovite is relatively uniform in quality, and it is not unreasonable to assume a 10:1 ratio between the average value of the past production and the average value of the present production, including a factor for a difference in trimming standards. On this basis, the past production would have a present day value of at least $1,500,000.00. The reserve area outlined by the contract drilling is about 62 percent of the total area mined in the past. This would give the reserve area an approximate value of $930,000.00 at present day prices, or, at an average of $14.00 per pound, the equivalent of 66,000 pounds of sheet. If this offhand estimate is too large by a factor of two, a reserve of large magnitude remains. The examiners strongly recommend that the project be certified as a discovery.

Recent reports and mica sales ($5,086.82) indicate that the Operator is beginning to recover considerable muscovite from development to the southwest on the lowest levels of the old works. A previous visit to the development area found the work in relatively barren pegmatite.

EXPENDITURES

(a)	Total approved	$6,760.00
(b)	Total cost of project	5,805.71
(c)	Government's share of cost	4,354.28
(d)	Government's share unexpended	715.72
(e)	Value of production	15,323.81
(f)	Royalty paid to date	765.80

S. C. Bergman, Geologist
U. S. Geological Survey

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

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

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 8 1958
DATE CODE
5/8 C 220
680

May 6, 1958

Memorandum

To: Operating Committee, DMEA - Washington.

From: Executive Officer, DMEA Field Team, Region V.

Subject: Docket No. DMEA-4337-Mica, Hawk Mining Company, Hawk Mine, Mitchell County, North Carolina, Contract No. Idm-E977.

In accordance with your letter of May 2 we are forwarding the original letters of transmittal with enclosures to the signers of the Consent to Lien under the subject contract. We are retaining the carbons of each letter for our files. Listed below are the addresses of the signers.

C. E. Blevins
Ethel Blevins
Bakersville, North Carolina

Lane A. Wilson
Grace M. Wilson (deceased)
Spruce Pine, North Carolina

Ernest A. Buchanan
Marie Buchanan
Ferguson Avenue
Elizabethton, Tennessee

Earl Buchanan
Ruby Buchanan
Poplar Street
Johnson City, Tennessee

Charles Buchanan
Route 5
Johnson City, Tennessee.

Will Edd Buchanan
Viola Buchanan
Route 5
Johnson City, Tennessee

Richard Lueking
Winifred G. Lueking
Mayfield Avenue
Fort Thomas, Kentucky

James Berry
Barbara G. Berry
Lombard Avenue
Oak Park, Illinois

Robert A. Laurence

Robert A. Laurence

800

Operations Comm.

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 5 1958

DATE	INITIALS	CODE
5/5	C	220
5/5	Hawk	660

May 1, 1958

Mr. Frank W. Phillips
Hawk Mining Company
Spruce Pine, North Carolina

Re: Docket No. DMEA-4337 (Mica)
Hawk Mine, Mitchell County, N. C.
Contract No. Idm-E977

Dear Mr. Phillips:

A recent check of the records of the above certified project disclosed that you have paid $766.19 in royalty on sales of block mica in the amount of 984.79 pounds for which $15,323.81 was received. These sales were made by yourself, J. E. Wilson, and Sam Thompson from August 2, 1956, to March 18, 1958. In getting the above amount of block from your mine run production there must have been a considerable amount of punch and scrap recovered. This office has never received any royalty on sales of these two products. Please advise us if any sales have been made.

Very truly yours,

V. J. Lynch
Acting Executive Officer
DMEA Field Team
Region V

VJL:pww
CC: Opr. Com.
Lynch
Laurence

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/28	Anderson	600
4/30	Houk	600
"	Chambers	800
5/1	GCS	130
5/1	Johnson	110
"	Montendorf	100
5/2	C	220
		600

600

MAY 2 1958

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

Re: Docket No. DMEA-4337-Nica
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina
Contract No. Idm-E977

Dear Mr. Laurence:

Enclosed are eight letters to be forwarded to the signers of the Consent to Lien under the subject contract.

Kindly complete the addresses and forward, retaining your copies and returning the remaining copies.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (HB)

Approved:

Frank D. Lamb (HB)
Member, Bureau of Mines

Thor H. Kiilsgaard (HB)
Member, Geological Survey

Enclosures 8

WCAnderson:rsi 4/28/58
Copy to: Admr. R. File
Mr. Chambers
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

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

DMEA
RECEIVED APR 28
DATE | 4/23 | C | 220
4/23 | Check | 600

April 21, 1958

Memorandum

To: Finance Officer - Region V - (DMEA) Norris, Tenn.

From: Executive Officer, DMEA - Region V - Knoxville

Subject: Royalty Payment - Idm-E977, DMEA-4337(mica)
Hawk Mine, Mitchell County, North Carolina
Hawk Mining Co., Spruce Pine, North Carolina

Transmitted are bills-of-sale in the amount of $5,086.06 for mica sold by Sam Thompson, presently operating the Hawk Mine and his check in the amount of $254.30 for royalty on the sales.

Robert A. Laurence

zm.

enc. ck. No.--
$254.30 dated 4-18-58

Lynch
Mittendorf
Files

FORM APPROVED BY COMP. GEN. U.S. MARCH 25, 1957

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - MICA PURCHASE

MICA PURCHASE DEPOT - Franklin, New Hampshire

PROGRAM: [X] A [ ] B

DATE PURCHASED: March 18, 1958

ACCEPTANCE NUMBER: PAYEE COPY TO BE MAILED WITH CHECK

CERTIFICATE AUTHORIZATION NUMBER: 1-230

LOT NUMBER: F-37 NR

VOUCHER NUMBER

SCHEDULE NUMBER

EVALUATION DATA

RUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$		$ 70.00	$
GRADES NO. 4 AND 5					40.00	
GRADES NO. 5½ AND 6					17.70	
STAINED						
GRADES NO. 3 AND LARGER		12.00			31.90	
GRADES NO. 4 AND 5		5.00			18.25	
GRADES NO. 5½ AND 6		3.00			7.55	
HEAVY STAINED						
GRADES NO. 3 AND LARGER		8.00			14.80	
GRADES NO. 4 AND 5		4.00			6.85	
GRADES NO. 5½ AND 6		2.00			4.00	
TOTALS			$			$

NONRUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$	.0625	$ 70.00	$ 4.38
GRADES NO. 4 AND 5				26.3210	40.00	1053.12
GRADES NO. 5½ AND 6				63.9212	17.70	1131.41
STAINED						
GRADES NO. 3 AND LARGER		9.60		4.0156	25.55	102.60
GRADES NO. 4 AND 5		4.00		48.9529	14.60	714.71
GRADES NO. 5½ AND 6		2.40		167.4839	6.55	1097.02
HEAVY STAINED						
GRADES NO. 3 AND LARGER		6.40		1.9218	11.85	22.77
GRADES NO. 4 AND 5		3.20		17.6561	5.45	96.23
GRADES NO. 5½ AND 6		1.60		71.2496	4.00	285.00
TOTALS			$	401.5916		$1507.24

TOTAL YIELD AND VALUE [ ] RUBY [X] NONRUBY (*Half trim plus full trim*) 401.5916 LBS. $1507.24

ADJUSTED VALUE WHEN LESS THAN 18% GS & B (ABOVE VALUE $ _____ X _____ ÷ 18) $

FOR PROGRAM B, DEDUCT $4.00 PER POUND FOR RIFTING AND TRIMMING

FINAL BASIS FOR PAYMENT $1507.24

LESS: INITIAL PAYMENT VOUCHER NUMBER SCHEDULE NUMBER 2245.65

BALANCE DUE [X] SELLER [ ] GOVERNMENT $261.59

NAME AND LOCATION OF MINE

Hawk Mine, Mitchell County, North Carolina

OFFICIAL FILE COPY
DMEA
RECEIVED APR 23 1958

DATE	INITIAL	CODE

SELLER'S NAME AND ADDRESS (*Type or print*)

Sam Thompson
Spruce Pine,
North Carolina

PROCESSED FOR PAYMENT (LBS.)	401.5916
PROCESSED - NO PAYMENT (LBS.) THINS	2.8746
BLACK (*Dots, Spots, Stained*)	.7810
UNDERSIZED	
PROCESSING Main	.6272
TOTAL POUNDS PURCHASED	404.6200

APPROVED

DEPOT SUPERINTENDENT: Robert H. Morrison

DATE: April 9, 1958

GSA WASH D C 58-3177

GSA FORM 1013a SEPTEMBER 1957

FORM APPROVED BY COMP. GEN. U.S. MARCH 25, 1957

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - MICA PURCHASE

MICA PURCHASE DEPOT - Franklin, New Hampshire

PROGRAM: [X] A [ ] B

DATE PURCHASED: December 12, 1957

ACCEPTANCE NUMBER:

CERTIFICATE AUTHORIZATION NUMBER: 1-230

LOT NUMBER: P-25 NR

VOUCHER NUMBER:

SCHEDULE NUMBER:

EVALUATION DATA

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
RUBY						
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$		$ 70.00	$
GRADES NO. 4 AND 5					40.00	
GRADES NO. 5½ AND 6					17.70	
STAINED						
GRADES NO. 3 AND LARGER		12.00			31.90	
GRADES NO. 4 AND 5		5.00			18.25	
GRADES NO. 5½ AND 6		3.00			7.55	
HEAVY STAINED						
GRADES NO. 3 AND LARGER		8.00			14.80	
GRADES NO. 4 AND 5		4.00			6.85	
GRADES NO. 5½ AND 6		2.00			4.00	
TOTALS			$			$
NONRUBY						
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$	.0156	$ 70.00	$ 1.09
GRADES NO. 4 AND 5				4.2656	40.00	170.62
GRADES NO. 5½ AND 6				16.6092	17.70	293.98
STAINED						
GRADES NO. 3 AND LARGER		9.60		.0156	25.55	.40
GRADES NO. 4 AND 5		4.00		1.5624	14.60	22.81
GRADES NO. 5½ AND 6		2.40		11.1093	6.55	72.77
HEAVY STAINED						
GRADES NO. 3 AND LARGER		6.40		-	11.85	-
GRADES NO. 4 AND 5		3.20		.6062	5.45	2.21
GRADES NO. 5½ AND 6		1.60		9.7343	4.00	14.94
TOTALS			$	37.7182		$ 578.82

TOTAL YIELD AND VALUE [ ] RUBY [X] NONRUBY (*Half trim plus full trim*) 37.7182 LBS. $ 578.82

ADJUSTED VALUE WHEN LESS THAN 18% GS & B (ABOVE VALUE $ _____ X _____ ÷ 18) $

FOR PROGRAM B, DEDUCT $4.00 PER POUND FOR RIFTING AND TRIMMING

FINAL BASIS FOR PAYMENT $ 578.82

LESS: INITIAL PAYMENT VOUCHER NUMBER SCHEDULE NUMBER 273.55

BALANCE DUE [X] SELLER [ ] GOVERNMENT $ 305.27

NAME AND LOCATION OF MINE

Hawk Mine, Mitchell County, North Carolina

15 32 [illegible] paid

Royalty

101.24 Royalty

SELLER'S NAME AND ADDRESS (*Type or print*)

Sam Thompson
Spruce Pine
North Carolina

PROCESSED FOR PAYMENT (LBS.)	37.7182
PROCESSED - NO PAYMENT (LBS.) THINS Scrap	.1092
BLACK (*Dots, Spots, Stained*)	-
UNDERSIZED	-
PROCESSING Gain	.0474
TOTAL POUNDS PURCHASED	37.7800

APPROVED

DEPOT SUPERINTENDENT: Robert H. Morrison

DATE: January 8, 1958

The block mica described above will be held for your review for seven calendar days from above date.

GSA WASH D C 58-3177

GSA FORM 1013a SEPTEMBER 1957

EA Form 7
12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/24	Fisher	800
3/25	C	220
		600

MAR 24 1958

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

Re: Docket No. DMEA-4337 (Mica)
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina
Contract No. Idm-E977

Dear Mr. Laurence:

Thanks for calling my attention to the error in the report of royalty review pertaining to this contract. An original and two copies of a rewritten report are enclosed.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Director
Contract Administration
and Audit Division

Enclosures

CEFisher/ama
March 24, 1958

Copy to: Docket
Admr. Reading File
Helen R. Miller
Mr. Chambers

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/14	Anderson	600
3/17	Houk	600
3/17	[illegible]	130
"	Johnson	130
"	[illegible]	130
		110
		100
3/18	C	220
		680

600

MAR 17 1958

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

Re: Docket No. DMEA-4337-Mica
Hawk Mining Company
Frank W. Phillips, et al.
Hawk Mine
Mitchell County, North Carolina
Contract No. Idm-E977

Dear Mr. Laurence:

It has been indicated that the subject completed project will be recommended for certification by the Field Team. The date of the dead line for certification is June 5, 1958.

To enable us to process the certification, it will be appreciated if the Field Team will submit its final examination report as soon as possible.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (HB)

Approved:

P. F. Yopes (HB)
Member, Bureau of Mines

Thor H. Kiilsgaard (HB)
Member, Geological Survey

WCAnderson:rsi 3/14/58
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

[✓] Audited 12/10/57 WORK ANALYSIS SHEET - DMEA PROJECT [ ] Actual Cost

[ ] Certified Analysis as of 3/14/58 [✓] Agreed Unit Costs

Incl. Voucher for March 58

Name Hawk Mining Co. Docket No. 4337

State No. Car. Commodity Mica Idm-E No. 977

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting					
Raising					
Shafts					
Winzes					
Drilling (Specify) Diamond NX Bit.	1300 Ft.	$6,760.00	NX 478 BX 394 AX 428	2435.60 1831.80 1819.00	421.3' 2,190.76 395.5' 1,858.85 413.2' 1,756.10
Surface Excavation					
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.					
Other (Specify)					
Totals		$6,760.00		6,136.40	$5,805.71

Prepared by Walter C. Andrews

71626

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/13	Fisher	800
3/13	C	220
3/17	Hawk	600

MAR 13 1958

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

Re: Docket No. DMEA-4337 (Mica)
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina
Contract No. Idm-E977

Dear Mr. Laurence:

I am enclosing the original and two copies of Mr. Fisher's Report of Royalty Review dated March 7, 1958, pertaining to the subject contract.

If you concur with the findings, the original report should be forwarded to the Regional Finance Officer, one copy should be retained in your files, and a copy should be sent to the Operator.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Director
Contract Administration
and Audit Division

Enclosures

CEFisher/ama
March 13, 1958

Copy to: Docket
Admr. Reading File
Helen R. Miller
Mr. Chambers

8623

Form DMEA-104 (Rev.) (April 1952)

RECEIVED DEC 23 1957 D.M.E.

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K- 31

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of March, 1957 Docket No. DMEA 4337 Contract No. [redacted]

Operator's Name [redacted] Minerals [redacted]

Address [redacted] Frank E. Phillips, Spruce Pine, N. C.

Contract Amount, $ 6,760.00 Government Participation: 75 % Amount, $ 5,070.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	766.15	5390.25	6156.40	402.44	5403.27	5805.71
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	766.15	5390.25	6156.40	402.44	5403.27	5805.71

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 8-27-57 *Payee [redacted]

Per [redacted] Title [redacted]

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 301.83

Signature Helen R. Mullis
(Authorized Certifying Officer)

Date DEC 20 1957 Vou. No. 102

(See other side)

100.61

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E977 in accordance with the terms of the contract.

Signature S Feuder Title MINING ENGINEER U. S. BUREAU OF MINES Date DEC 18 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature V. J. Lynch Title ACTING EXECUTIVE OFFICER DMEA - REGION V Date DEC 18 1957

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED DEC 23 1957 D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1957 Docket No. DMEA 4337 Contract No. [illegible]
Operator's Name Hawk Mining Co. Minerals Mica
Address c/o Frank W. Phillips, Spruce Pine, N. C.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	ft.	364.00	70	2400.60	478	5.20		
Churn	ft.	358.40	72	1851.60	396	4.70		
Auger	ft.	65.75	15	1819.00	428	4.25		
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		768.15	157	6156.40				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		768.15		6156.40				

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

Date 8-27-57 Operator Hawk Mining Co.

Per Frank W. Phillips Title partner

Remarks:

NOTE.—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.

(Instructions on reverse)

(For Government use only)

S Feitler
MINING ENGINEER
U. S. BUREAU OF MINES

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

Hawk Mining Co. DMEA No. 4537 Contract No. Idm-E 977

Date	From	To	Footage	Core	Material drilled	6
3- 5-57	290	316	26	26	slate (BM)	
3- 6-57	316	342	26	26	" "	
3- 7-57	342	362	20	20	" "	
3-11-57	362	377	15	15	slate and vein (AM)	

Above is the balance of the log on the fourth hole drilled, Hole No. 1. From 290 feet to 369.5 feet we had very hard slate. We cut through 3 feet of good pegmatite and on to 377 feet in slate.

I certify that the above information is correct.

Frank W. Phillips partner

Hawk Mining Co. DMEA 4337 Contract Idm-E 977

Date	From	To	Footage	Core	Material Drilled	
10-10-56	0	62	62	3	surface	(NX)
10-11-56	62	74	12	3	surface, flint, slate	"
10-12-56	74	79	5	5	slate	"
10-15-56	79	82	3	3	"	"
10-16-56	82	84	2	2	"	"
10-25-56	84	111	27	27	"	(NX)
10-29-56	111	120	9	9	"	"
10-30-56	120	139	19	19	"	"
10-31-56	139	154	15	15	"	"
11-1- 56	154	158	4	4	"	"
11- 2-56	158	188	30	28	" and flint mixed	"
11- 5-56	188	207	19	19	" " " "	"
11- 6-56	207	209	2	2	" " " "	"
11- 7-56	209	212	3	3	" " " "	"

This is the log on Hole No. 1, the second hole drilled and lost, but since our loan called for a maximum of 1300 feet and we have turned in for only 1270 feet we are asking for 70 feet of NX on this lost hole. Also contract does not call for completed hole.

I certify that the above information is correct.

Frank W. Phillips partner

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

OFFICIAL FILE COPY
DMEA
RECEIVED DEC 20 1957

DATE		CODE
12/21	C	220
		600

December 19, 1957

Memorandum

To: Finance Officer, Region V (DMEA) Norris

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

Subject: Royalty Payment - Idm-E977, DMEA-4337-mica.
Hawk Mining Co. Hawk Mine, Mitchell County, N.C.

Transmitted are settlements sheets for mica sold from the subject mine in the amount of $10,237.75, and two checks for royalty in the amount of $511.84 to be credited to the contract.

V. J. Lynch

enc:
ck no.189
1 ck no number
both dated 12-17-57.

cc:
Mittendorf
Lynch
Files

378.51
1,010.11
534.67
906.86
1,573.64
2,654.77
1,630.08
1,549.11

10,237.75

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

DATE PURCHASED: [illegible]

ACCEPTANCE NO.

CERTIFICATE AUTHORIZATION NO. [illegible]

LOT NO. SP[illegible]

VOUCHER NO.

	TOTAL WGT (LBS)	LBS. - G. S.	LBS. - STAINED	LBS. - LY. STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	25.20	16.51	7.41	1.16	378.81
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS SPOTS STAIN					
UNDERSIZED					
PROCESS - LOSS	.38				
TOTAL LBS. PURCHASED	25.38				

FOR USE OF CERTIFYING OFFICER

RECEIVED DEC 23 1957 D.M.E.A.

LESS: INITIAL PAYMENT - VOUCHER NO. SCH. NO. 264.52

BALANCE DUE GOVERNMENT ☐ SELLER ☐ 113.99

SELLER'S NAME AND ADDRESS

J. E. Wilson
Route 1
Burnsville, [illegible]

NAME OF MINE AND LOCATION

[illegible]

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

DATE PURCHASED: 8-29-56

ACCEPTANCE NO.: AOM-218 (a)

CERTIFICATE AUTHORIZATION NO.: [illegible]-4-1008A

LOT NO.: SPA[illegible]-218 (a)

VOUCHER NO.:

	TOTAL WGT (LBS)	LBS. - G. S.	LBS. - STAINED	LBS. - HY. STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	69.80	33.08	27.63	9.09	1010.11
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS SPOTS STAIN					
UNDERSIZED					
PROCESS - ~~GAIN~~ LOSS	.20				
TOTAL LBS. PURCHASED	70.00				

FOR USE OF CERTIFYING OFFICER

RECEIVED DEC 23 1957 D.M.E.A.

LESS: INITIAL PAYMENT - VOUCHER NO. SCH. NO. 896.90

BALANCE DUE GOVERNMENT [ ] SELLER [X] 113.21

SELLER'S NAME AND ADDRESS

NAME OF MINE AND LOCATION

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

12[illegible]-56

ACCEPTANCE NO. AO4-634 (a)

CERTIFICATE AUTHORIZATION NO.	LOT NO.	VOUCHER NO.
[illegible]-4-373A	SP AO-634 (a)	

	TOTAL WGT (LBS)	LBS. - G. S.	LBS. - STAINED	LBS.-HY. STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	35.82	15.88	16.25	3.68	934.67 534.67
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS SPOTS STAIN					
UNDERSIZED					
PROCESS - LOSS	.18				
TOTAL LBS. PURCHASED	35.93				

FOR USE OF CERTIFYING OFFICER

RECEIVED DEC 23 D.M.

LESS: INITIAL PAYMENT - VOUCHER NO. SCH. NO. 362.76

BALANCE DUE GOVERNMENT ☐ SELLER ☒ 172.91 JK. 11-12-57

SELLER'S NAME AND ADDRESS

Frank W. Phillips
Spruce Pine, N. C.

NAME OF MINE AND LOCATION

Rank

APPROVED

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

DATE PURCHASED: 10-1-56

ACCEPTANCE NO.: A04-339 (a)

CERTIFICATE AUTHORIZATION NO.: [redacted]

LOT NO.: SP A0-339 (a)

VOUCHER NO.:

	TOTAL WGT (LBS)	LBS. - G. S.	LBS. - STAINED	LBS. -HY. STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	31.72	30.08	16.51	5.13	906.86
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS SPOTS STAIN					
UNDERSIZED					
PROCESS - [redacted] LOSS	.40				
TOTAL LBS. PURCHASED	32.12				

FOR USE OF CERTIFYING OFFICER

LESS: INITIAL PAYMENT - VOUCHER NO. SCH. NO. 742.33

BALANCE DUE GOVERNMENT [ ] SELLER [X] 164.33

SELLER'S NAME AND ADDRESS

J. E. Wilson
[redacted] 1

NAME OF MINE AND LOCATION

[redacted]

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

DATE PURCHASED: 12-21-56

ACCOUNT NO.: [redacted] (a)

CERTIFICATE AUTHORIZATION NO.: [redacted]-373A

LOT NO.: SP [redacted] (a)

VOUCHER NO.:

	TOTAL WGT (LBS)	LBS. - G. S.	LBS. - STAINED	LBS.-HVY.STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	[redacted]	93.74	[redacted]	[redacted]	[redacted] 1573.64
PROCESSED - NO PAYMENT					
THINS	.06				
BLACK - [redacted] STAIN					
UNDERSIZED					
PROCESS - [redacted] LOSS	[redacted]				
TOTAL LBS. PURCHASED	[redacted]				

FOR USE OF CERTIFYING OFFICER

RECEIVED SEP 23 1957 D.M.E.

LESS: INITIAL PAYMENT - VOUCHER NO. SCH. NO. [redacted]

BALANCE DUE GOVERNMENT ☐ SELLER ☒ [redacted] 1-24-57

SELLER'S NAME AND ADDRESS

Frank W. Phillips
Spruce Pine, N. C.

NAME OF MINE AND LOCATION

[redacted]

Hawk mine

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C

DATE PURCHASED: 12-21-56

ACCEPTANCE NO.: AC6-[illegible] (a)

CERTIFICATE AUTHORIZATION NO.: [illegible]

LOT NO. SP AC-[illegible] (a)

VOUCHER NO

	TOTAL WGT (LBS)	LBS. - G. S.	LBS. - STAINED	LBS. - HVY. STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	[illegible]	[illegible]	17.42	6.58	[illegible] 2654.77
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS SPOTS STAIN					
UNDERSIZED					
PROCESS - [illegible] LOSS	.35				
TOTAL LBS. PURCHASED	[illegible]				

FOR USE OF CERTIFYING OFFICER

LESS: INITIAL PAYMENT - VOUCHER NO. SCH. NO. [illegible]

BALANCE DUE GOVERNMENT [ ] SELLER [X] [illegible] 1-21-57

SELLER'S NAME AND ADDRESS

Frank W. Phillips

NAME OF MINE AND LOCATION

Hank

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

DATE PURCHASED: 8-2-56

ACCEPTANCE NO.: A04-119(a)

CERTIFICATE AUTHORIZATION NO. EPS-4-1006A

LOT NO.: SP A0-119(a)

VOUCHER NO.:

	TOTAL WGT (LBS)	LBS. - G. S.	LBS. - STAINED	LBS.-HY. STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	76.63	41.94	29.53	5.16	1630.08
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS SPOTS STAIN					
UNDERSIZED					
PROCESS - LOSS	.29				
TOTAL LBS. PURCHASED	76.92				

FOR USE OF CERTIFYING OFFICER

LESS: INITIAL PAYMENT - VOUCHER NO. SCH. NO. 1265.27

BALANCE DUE GOVERNMENT [ ] SELLER [X] 364.81

SELLER'S NAME AND ADDRESS

J. Z. Wilson
Route 1

NAME OF MINE AND LOCATION

Hawk

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

DATE PURCHASED: 8-22-46

ACCEPTANCE NO.: A04-146(a)

CERTIFICATE AUTHORIZATION NO. EPS-4-1008A

LOT NO.: SPAC-136(a)

VOUCHER NO.:

	TOTAL WGT (LBS)	LBS. - G. S.	LBS. - STAINED	LBS.-HY. STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	89.03	47.59	34.78	6.66	1549.11 1549.11
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS SPOTS STAIN					
UNDERSIZED					
PROCESS - [redacted] LOSS	.40				
TOTAL LBS. PURCHASED	89.43				

FOR USE OF CERTIFYING OFFICER

LESS: INITIAL PAYMENT - VOUCHER NO. SCH. NO. 1034.67

BALANCE DUE COVERNMENT [ ] SELLER [X] 514.44

SELLER'S NAME AND ADDRESS

J. E. Wilson
Route 1

NAME OF MINE AND LOCATION

[redacted]
Hawk Mine

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
12/10	Talbert	800
12/10	glb	220
2/11	Hook	600

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

DEC 10 1957

Re: Docket No. DMEA-4337 (Mica)
Hawk Mining Company
Hawk Mine
Mitchell County, N. C.
Contract No. Idm-E977

Dear Mr. Laurence:

As requested by your memorandum of December 5, 1957, a Report of Review in lieu of a final audit of the referenced project has been prepared. The original and three copies of the report, together with the original of the final MF-104 (March 1957) submitted with your memorandum, are enclosed.

If you concur with the facts stated in this Report of Review, the original and one copy should be released to the regional finance officer, one copy should be forwarded to the Operator, and one copy should be retained in your files. If for any reason you do not concur, please return the original and three copies to this Division with your comments.

The records indicate that the Operator is indebted to the Government for royalty in excess of the balance of $301.83 found by this review to be due the Operator. It is suggested that, unless the Operator has paid the royalty due the Government, the check in settlement of the Government's contribution to project costs be made payable to DMEA and deposited as a partial offset of the royalty due.

Sincerely yours,

(Signed) E. D. Talbert

E. D. Talbert, Acting Director
Contract Administration
and Audit Division

Enclosure

EDTalbert/wb 12/10/57

Copy to: Docket
Admr. Reading File
Helen R. Miller
Mr. Chambers
Mr. Talbert

8623

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

WASHINGTON 25, D.C.

December 5, 1957

OFFICIAL FILE COPY DMEA RECEIVED DEC 9 1957		
DATE	INITIALS	CODE
12/9	C	220
12/9	[illegible]	800
12/9	[illegible]	600

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Operator's Final Engineering and Geologic Report: DMEA-4337, Idm-E977-Mica. Hawk Mine, Mitchell County, North Carolina

Transmitted are three copies of the subject report received in this office today.

This project will probably be recommended for certification.

Robert A. Laurence

Robert A. Laurence
Executive Officer, DMEA
Region V

V. J. Lynch

V. J. Lynch, Member
Bureau of Mines

Operator's Final Rept

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

EXTRA COPY
DMEA
RECEIVED DEC 9 1957

DATE	INITIALS	CODE

December 5, 1957

Memorandum

To: Operating Committee, DMEA - Washington

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

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Robert A. Laurence
Executive Officer, DMEA
Region V

V. J. Lynch, Member
Bureau of Mines

zm.
cc
Lynch
Shirley
Files

Final Report on Big Hawk Mine

The diamond core drilling at the Big Hawk Mine has been very, very expensive. We started this drilling with an operator of seventeen years experience, who had operated for us for a period of six months of perfect operations. After he had made two unsuccessful attempts to drill two holes at No. 2, he quit the job, saying he would not operate for us at such a loss, and that he had never found anything like it.

We hired one of Longyear's old experienced men to come and train a man for us. This man had been working two weeks when he let his hand get under the cable and wind him up, breaking his arm.

Our man finished this hole. At a depth of 326 feet he cut 50 inches of good mica bearing pegmatite and drilled on to 350 feet in slate.

We later got a Joy instructor to come help us to try to get out of trouble in No. 1 hole. He had no success and we finally lost 170 feet of rod, core barrel and bit.

Then we moved to Hole No. 3, thinking if we hit pegmatite in this hole we would not try to drill again at hole No. 1, as the field team agreed. Here we drilled through several thin streaks of pegmatite, but none of them looked good to us except 3 inches at 377 feet. This could be the Hawk vein where it pinched out, as it commonly does. When we reached 503 feet the field team advised us to stop. We drilled on to 602 feet --- hoping.

We then moved back and set up 20 feet south of the attempted No. 1 hole. After a lot of trouble, including the use of a number of bits, we hit 3 feet of good pegmatite at 370 feet and drilled on in slate to 377 feet.

I certify that the above information is correct.

Frank W Phillips partner

OFFICIAL FILE COPY
DMEA
RECEIVED DEC 9 1957

DATE	INITIALS	CODE

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Our man finished this hole. At a depth of 326 feet he cut 50 inches of good mica bearing pegmatite and drilled on to 350 feet in slate.

We later got a Joy instructor to come help us to try to get out of trouble in No. 1 hole. He had no success and we finally lost 170 feet of rod, core barrel and bit.

Then we moved to Hole No. 3, thinking if we hit pegmatite in this hole we would not try to drill again at hole No. 1, as the field team agreed. Here we drilled through several thin streaks of pegmatite, but none of them looked good to us except 3 inches at 377 feet. This could be the Hawk vein where it pinched out, as it commonly does. When we reached 503 feet the field team advised us to stop. We drilled on to 602 feet --- hoping.

We then moved back and set up 20 feet south of the attempted No. 1 hole. After a lot of trouble, including the use of a number of bits, we hit 3 feet of good pegmatite at 370 feet and drilled on in slate to 377 feet.

I certify that the above information is correct.

Frank W. Phillips partner

EXTRA COPY
DMEA
RECEIVED DEC 9 1957

DATE	INITIALS	CODE

Final Report on Big Hawk Mine

The diamond core drilling at the Big Hawk Mine has been very, very expensive. We started this drilling with an operator of seventeen years experience, who had operated for us for a period of six months of perfect operations. After he had made two unsuccessful attempts to drill two holes at No. 2, he quit the job, saying he would not operate for us at such a loss, and that he had never found anything like it.

We hired one of Longyear's old experienced men to come and train a man for us. This man had been working two weeks when he let his hand get under the cable and wind him up, breaking his arm.

Our man finished this hole. At a depth of 326 feet he cut 50 inches of good mica bearing pegmatite and drilled on to 350 feet in slate.

We later got a Joy instructor to come help us to try to get out of trouble in No. 1 hole. He had no success and we finally lost 170 feet of rod, core barrel and bit.

Then we moved to Hole No. 3, thinking if we hit pegmatite in this hole we would not try to drill again at hole No. 1, as the field team agreed. Here we drilled through several thin streaks of pegmatite, but none of them looked good to us except 3 inches at 377 feet. This could be the Hawk vein where it pinched out, as it commonly does. When we reached 503 feet the field team advised us to stop. We drilled on to 602 feet -- hoping.

We then moved back and set up 20 feet south of the attempted No. 1 hole. After a lot of trouble, including the use of a number of bits, we hit 3 feet of good pegmatite at 370 feet and drilled on in slate to 377 feet.

I certify that the above information is correct.

Frank W. Phillips partner

EXTRA COPY
DMEA
RECEIVED DEC 9 1957
CODE
DATE | INITIALS

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

EXTRA COPY
DMEA
RECEIVED
DATE | INITIALS | CODE
600

December 5, 1957

Memorandum

To: Jay L. Chambers, Director, Contract Administration and Audit Division, DMEA

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

Subject: Hawk Mining Co., c/o Frank Phillips, Spruce Pine, N.C. DMEA-4337, Idm-E977-mica. Hawk Mine, Mitchell County, N.C. Final Voucher.

Work on the subject contract was completed March 18, 1957.

The following units of work have been acceptably performed as verified by our Field Examiners:

1. A total of 1230 ft of diamond drilling has been completed. This amount is divided into different size cores as follows:

   NX-size - 421.3 feet
   BX-size - 395.5 "
   AX-size - 413.2 "

An adequate final engineering and geological report has been received.

A Report of Review is requested. Original copy of MF-104 and 104A attached.

NOTE: A mistake was made in the Interim Report of February 5, 1957 on page-2 under "depth" second line it states (282.5' - BX to AX). This should read 286.5' - BX to AX.

VJL/zm
cc
Finance Office
Lynch

Robert A. Laurence
Executive Officer, DMEA-Region V

Opr. Com-2

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1025 OF 40 BLDG.
WASHINGTON 25, D. C.
KNOXVILLE 2, TENN.

November 22, 1957

11/25 gb 220
11/25 800
11/26 Hugh 600

Mr. Frank W. Phillips
Hawk Mining Co.
Spruce Pine, North Carolina

Re: DMEA-4337-mica
Hawk Mine, Contract Idm-E977
Mitchell County, N.C.

Dear Mr. Phillips:

Please refer to my letters of October 2, August 4, and June 2, none of which has been answered.

Work on this contract was completed last March, yet we have never received your final voucher or your final geologic report. Please give this matter your immediate attention, and send me these reports so that we may complete our records on this project.

Also, we have received no royalties on mica from the Hawk Mine, although I understand there has been considerable production. All mica mined since July 23, 1956 is subject to the royalty payment as specified in Article 6 of the contract.

Very truly yours,

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

RAL/sm
cc
Opr. Com-2
Files
Lynch

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

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 4 1957

DATE		CODE
10/3		820
10/4		800
10/7	Hawk	600

October 2, 1957

Hawk Mining Company
c/o Frank W. Phillips
Spruce Pine, North Carolina

Re: DMEA-~~4437~~-Mica
Hawk Mine, Mitchell County, N.C.
Idm-E977

Dear Mr. Phillips:

Please refer to my letter of June 4 and August 2, to which I have received no reply (except for the last paragraph of the August 2 letter).

Please send me your final voucher for this, and your final engineering and geologic report. The work was completed in March and there has been ample time to prepare and submit these reports.

Also refer to my letter of August 26, requesting payment of royalties due under the contract. No reply to this letter has been received to date.

Very truly yours,

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

RAL/sm
cc
Opr. Com.-2
Lynch
Shirley
Files

Operating Com.

ORIGINAL FILE COPY
DMEA

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

August 26, 1957

RECEIVED			
8/30	G	220
8/30		800
9/3	H	600

Hawk Mining Company
c/o Frank W. Phillips
Spruce Pine, North Carolina

Re: DMEA-4337 (mica) Hawk Mine
Mitchell County, N. C.
Contract Idm-E977

Dear Mr. Phillips:

Records at the Spruce Pine Depot indicate that about $11,000 worth of mica from the Hawk mine has been purchased by the Depot since August 1956.

Please note that, as provided in Article 6b of the exploration project contract, the Government is due a 5% royalty on all mica produced from the Hawk mine since July 23, 1956. This applies to scrap and punch as well as to sheet mica of strategic quality.

We have not received any royalty payments. Please give this your immediate attention and forward your check for 5% of all such sales, accompanied by invoices, sales slips or other documentary evidence of the sales.

Sincerely yours,

Robert A. Laurence
Executive Officer, DMEA
Region V

RAL/zm
cc
Lynch-Shirley
Files

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

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 5 1957

DATE	INITIALS	CODE
8/5	P.K.	220
8/5	[illegible]	800
8/6	[illegible]	600

August 2, 1957

Hawk Mining Company
c/o Frank W. Phillips
Spruce Pine, N.C.

Re: DMEA-4337, Idm-2977-mica
Hawk Mine
Mitchell County, N.C.

Dear Mr. Phillips:

I have not yet received an answer to my letter of June 4. Please send me, at your earliest convenience, your voucher for the last month of work under the DMEA contract at the Hawk Mine, and also your geological and engineering report covering the entire contract.

This project has been completed since March 1957, and we would like to have the necessary reports.

Also, please refer to my letter of August 28, 1956 to which I have received no answer. We need to have the mailing addresses of the 14 persons who signed the Consent to Lien in connection with this contract.

Sincerely yours,

Robert A. Laurence
Executive Officer, DMEA
Region V

RAL/zm
cc
Lynch
Opr. Com.-2
Shirley
Files

INTERIM REPORT

DMEA-4337, Idm-E977, Hawk Mine - Mica

Operator: Hawk Mining Company, c/o Frank Phillips, Spruce Pine, N. C.

Location: One airline mile N. 36° E. from Cane Creek School, Hawk, Mitchell County, North Carolina

Since the last interim report of February 5, 1957, the property was visited twice, the last and final visit being made on March 18, 1957. During this period, diamond drill hole No. 1 (the middle of the three contract holes) was redrilled to completion at a depth of 377 feet. What is considered to be a significant intersection with the target pegmatite was made from 369.5 - 372.5 feet. The pegmatite cored indicated an excellent mineralogic and textural environment for a productive mica-pegmatite. On the basis of two significant intersections of the target pegmatite with excellent indicated environment and impressive past productive history, certification of the project will be recommended. The hole was drilled with NX size equipment from 0-133 feet, with BX size equipment from 133-362 feet, and with AX size equipment from 362-377 feet. Core recovery from 0-80 feet was practically nil while from 80-377 feet it was, for all practical purposes, 100%.

A summary of log of Diamond Drill Hole No. 3 is as follows:

Depth	Remarks
0-80'	No core, residual soil and decomposed gneiss
80-377'	Garnetiferous, quartz, muscovite-biotite gneiss and thin repetitious interlayered chloritic hornblende schist
	369.5-372.5', medium grained oligoclase-quartz-muscovite pegmatite; 6" coarse biotite schist alteration zone on hanging wall contact.
	285', 3" oligoclase-quartz-muscovite pegmatite
	94.5-96.5', 283.5-286', 295', altered leached zones, considerable epidote, both veinlets and disseminations.

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 7 1957

DATE	INITIALS	CODE
6/7	JWD	220
10	Cbm	100
17	K	600

S. C. Bergman, Geologist, USGS
L. E. Shirley, Mining Engineer, USBM

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

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 7 1957

DATE	INITIALS	CODE
6/10	C	220
6/10	49	800
6/11	[illegible]	600

June 4, 1957

Mr. Frank W. Phillips

Spruce Pine, N. C.

Re: DMEA-4337, Idm-E977-Mica
Hawk Mining Company
Hawk Mine, Mitchell County,
North Carolina

Dear Mr. Phillips:

Although drilling at the Hawk Mine was completed some time ago, we have not received a voucher or report from you since the February voucher, which was received on March 11 and forwarded for payment March 13.

Please send me, at your earliest convenience, your final voucher (MF-104 and 104A) and your final engineering and geologic report, giving your evaluation of the results of the project. We will also be interested in knowing your plans for additional work, if you expect to develop the pegmatite indicated by the drilling.

Very truly yours,

Robert A. Laurence
Executive Officer, DMEA
Region V

RAL/zm
cc
Lynch
Shirley
Opr. Com.-2
Files

May 22, 1957

Telephone conversation

Robert A. Laurence, Knoxville, Tennessee

Washington Office: Mr. L. G. Houk
Mr. W. C. Anderson

Docket No. DMEA-4337-Mica
Hawk Mining Company
Hawk Mine
Mitchell County, N. C.

Mr. Laurence states that the final report is in preparation and a recommendation for certification will be made.

Form MF-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K- 57

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February, 1957 Docket No. DMEA 4337 Contract No. Idm X-977
Operator's Name Frank W. Phillips, Spruce Pine, N C Minerals mica
Address
Contract Amount, $ 6,760.00 Government Participation: 75 % Amount, $ 5,070.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	1429.50	3960.75	5390.25	1429.50	3973.77	5403.27
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1429.50	3960.75	5390.25	1429.50	3973.77	5403.27

RECEIVED MAR 25 1957 D.M.E.A.

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 3-8-57 *Payee HAWK MINING CO.
Per Frank W. Phillips Title partner

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 1072.12
Signature Helen R. Melin
(Authorized Certifying Officer)
Date MAR 22 1957 Vou. No. 149
(See other side)

357.38

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E-977 in accordance with the terms of the contract.

Signature W. J. Lynch Title MINING ENGINEER U. S. BUREAU OF MINES Date MAR 13 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawson Title EXECUTIVE OFFICER DMEA REGION V Date MAR 13 1957

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-164A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED MAR 25 1957 D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1957 Docket No. DMEA 4337 Contract No. Idm E-077
Operator's Name Frank W. Phillips, Spruce Pine, N C Minerals mica
Address

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core XX	ft	691.60	153	2121.60	408	5.20		
Churn XX	"	737.90	157	1513.40	322	4.70		
Auger AX	"			1755.25	415	4.25		
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		1429.50	290.00	5390.25	1143			Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		1429.50	290.00	5390.25				

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

Date 3-6-57 Operator Frank W. Phillips

Per Frank W. Phillips Title partner

NOTE.—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.

Remarks:

(Instructions on reverse)

(For Government use only)

V. J. Lynch
MINING ENGINEER
U. S. BUREAU OF MINES

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

HAWK MINE

February 1957 Docket No. 4337 Contract No. Idm E-977

Date	From	To	Footage	Core	Material Drilled
2- 8-57	0	39	39	none	surface
2-11-57	39	69	30	"	slate
2-13-57	69	85	16	10	"
2-14-57	85	105	20	20	"
2-19-57	105	123	18	18	"
2-20-57	123	133	10	10	"
2-21-57	133	157	24	24	"
2-22-57	157	190	33	33	"
2-23-57	190	208	18	18	"
2-25-57	208	233	25	25	"
2-26-57	233	250	17	17	"
2-27-57	250	290	40	40	"

EXTRA COPY
DMEA
RECEIVED MAR 25 1957

DATE	INITIALS	CODE

Changed from NX to BX at 133 feet because we lost water and needed to case the hole.

Above is a record of daily progress.

I certify that the above is correct.

Frank W. Phillips partner

RECEIVED
MAR 11 1957
Bureau of Mines
Laramie, Wyo.

220

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

February 6, 1957

Memorandum

To: Catherine Curtin, Statistics and Control Division

From: Hazel Berry, Operating Committee
(Legal)

Subject: Amendment to Contract

Attached is the following docket copy of an amendment to a contract which has been reviewed and approved by the commodity division and the Contract Administration and Audit Division. No clearance by Legal appears necessary.

Hawk Mining Co., DMEA-4337, Idm-E977, Amendment No. 3.

Attachment-1

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

February 5, 1957

Memorandum

To: Mr. C. O. Mittendorf, Administrator

From: Lawrence G. Houk, Chief, Nonmetallic Minerals Division

Subject: Amendment No. 3 - Docket No. DMEA-4337-Mica
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina
Contract No. Idm-E977

The Nonmetallic Minerals Division concurs in Amendment No. 3 to the subject contract as written and executed in the field. This amendment extends the completion date from January 23, 1957, to April 23, 1957.

Amendment No. 3 is necessary because the Operator had difficulties in diamond drilling due to unforeseen ground conditions, and possibly inexperienced drill runners, which caused considerable delay.

W. C. Anderson
W. C. Anderson
Nonmetallic Minerals Division

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

WASHINGTON 25, D. C.

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 30 1957

DATE	INITIALS	CODE
1-30	cw	220
	esf	130
	g	225

January 28, 1957

Memorandum

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

From: Acting Executive Officer, DMEA - Region V -

Subject: Amendment No.3 on DMEA-4337, Idm-E977-mica.
Hawk Mining Company, Spruce Pine, N.C.

Transmitted are three signed copies of the subject amendment, signed by the partners of the subject company.

The usual distribution of the other copies has been made.

V. J. Lynch

V. J. Lynch

RECEIVED
FEB 18 1957
D.M.E.A.

INTERIM REPORT

DMEA-4337, Idm-E977 (mica) Hawk Mine

Since the last interim report of November 27, 1956, drill hole No. 3 has been completed and the Operator has set the drill up at the site of drill Hole No. 1, which was not completed and in which the Operator lost a BX bit and core-barrell as well as over 100 feet of AX drill rod. The Operator will expend the remaining 447 feet of allowable drill footage on this hole to try to make a second significant intersection with the target pegmatite. Hole No. 3 was stopped by the Examiners January 22, 1957 at a depth of 503 feet. No significant intersection with the target was made although a series of thin barren structures were intercepted at 219.5 to 220.5 feet and between 267 and 304.5 feet. The Operator requested that he be allowed to drill an additional 100 feet at his own expense while set up at the site. The hole was extended to 602 feet as of January 22, and the casing pulled soon after. Core recovery in this hole was almost 100 percent. The Operator has reported that he plans to sink a shaft to the pegmatite on the basis of the first intercepted at Hole No.2 regardless of the results of the subsequent drilling.

A summary of the log of Hole No. 3 follows:

Depth	Remarks
0 - 72 ft	Overburden, no core recovery
72 - 77	Quartz-perthite pegmatite
77 - 219.5 (120"-Nx to BX)	Alternating and repetitious bands and stringers of chloritic hornblende gneiss and schist in a feldspathic, garnetiferous biotite gneiss (rare dissem. pyrite) Quartz stringers 1" @ 152 ft; 1" @164 ft; 2" @ 169 ft.
219.5-220.5	Medium coarse oligoclase-quartz pegmatite (minor sericite)
220.5 -262	Hornblende-chlorite schist witho occasional to rare gneissic bands. Siliceous alteration with disseminated pryrite, pyrrhotite, and chalcopyrite at 247-249 ft, 254-255 ft, and 256-257 ft.

Depth	Remarks
262 - 602	Same as 77-219.5 ft.
(282.5' -BX to AX) 286.5	Oligoclase-quartz pegmatite stringers - 8" at 267 ft., 274.5-277 ft; 5" at 290 ft; 7" at 292 ft; 9" at 304.5; 3" at 377 ft. Quartz stringers, 1" at 484.5 ft; 1" at 518 ft; 1" at 542 ft; fine disseminated epidote and lineated epidote lined vugs with disseminated pyrite at 389.5, 480', 486', 493', 499' ~~and~~, 500 ft., and 587 ft.

Examined: February 5, 1957

S. C. Bergman and E. L. Boudette, Geologists
U. S. Geological Survey

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

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Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-44

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of Nov. Dec.,'56 Jan.'57, 195 Docket No. DMEA 4337 Contract No. Ida B-977

Operator's Name Frank W. Phillips Minerals mica

Address Spruce Pine, N C

Contract Amount, $ 6,760.00 Government Participation: 75% Amount, $ 5,070.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	2326.67	1647.10	3973.77			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2326.67	1647.10	3973.77	2326.67	1647.10	3973.77

RECEIVED FEB 8 1957 D.M.E.A.

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 1-22-57 *Payee HAWK MINING CO. (Big Hawk Mine)

Per Frank W. Phillips Title partner

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 1745.00

Signature Helen R. Muller
(Authorized Certifying Officer)

Date FEB 6 1957 Vou. No. 119
(See other side)

581.67

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E-977 in accordance with the terms of the contract.

Signature S. C. Bergman Title GEOLOGIST, U. S. G. S. Date FEB 1 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature V. J. Lynch Title ACTING EXECUTIVE OFFICER DMEA - REGION V Date FEB 1 1957

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 872893

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

RECEIVED FEB 8 1957 D.M.E.A.

Month of Nov. Dec. Jan 7 195 Docket No. DMEA 4337 Contract No. Idm E-977

Operator's Name Frank W. Phillips Minerals mica

Address Spruce Pine, N C

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core NX	ft.	624.00	120 ft.	1407.60	288	5.20		5.20
Core EX	"	782.65	166½ "	782.65	166½	4.70		4.70
Core AX	"	920.12	216½ "	1693.62	398½	4.25		4.25
Chem.								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
		2326.87	603	3973.77				
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
		2326.87		3973.77				
Total Costs								

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

Date 1-22-57 Operator Frank W. Phillips

Per Frank W. Phillips Title partner

NOTE.—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.

(Instructions on reverse)

Remarks:

(For Government use only) S. C. Bergman

GEOLOGIST, U. S. G. S. FEB 1 1957

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

BIG HAWK MINE

Nov. Dec. 1956 Jan. 1957 Docket No. DMEA 4337 Contract No. Idm E-977

Date	From	To	Footage	Core	Material Drilled
11-26-56	0'	20'	20'	0'	surface
11-28-56	20	77	57	4	surface and slate
11-29-56	77	107	30	30	slate
11-30-56	107	120'6"	13'6"	13'6"	slate, chng from NX to BX
12- 4-56	120'6"	142	21'6"	21'6"	slate
12- 5-56	142	166	24	24	"
12- 6-56	166	182	16	16	"
12-12-56	182	192	10	10	"
12-13-56	192	210	18	18	"
12-17-56	210	226	16	16	" and flint
12-18-56	226	243'6"	17'6"	17'6"	"
12-19-56	243'6"	250	6'6"	6'6"	"
12-20-56	250	272	22	22	"
12-26-56	272	288	16	16	" chng from BX to AX at 156.5 ft.
12-27-56	288	317'6"	29'6"	29'6"	"
12-28-56	317'6"	343	25'6"	25'6"	"
12-31-56	343	383	40	40	"
1- 2-57	383	413	30	30	"
1- 3-57	413	433	20	20	"
1- 4-57	433	443	10	10	"
1- 5-57	443	462	19	19	"
1- 7-57	462	503	41	41	"
1- 8-57	503	513	10	10	"
1- 9-57	513	543	30	30	"
1-11-57	543	563	20	20	"
1-14-57	563	593	30	30	"
1-15-57	593	602	9	9	"

On 11-30-56 changed from NX to BX because we lost the water in seams.
On 12-26-56 changed from BX to AX because of a small cave in which fouled up a bit.
Above is a record of daily progress.

I certify that the above is correct.

Frank W. Phillips partner

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

RECEIVED DEC 5 1956 D.M.E.A.

December 3, 1956

Memorandum

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

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

Subject: DMEA-4337, Idm-E977 (Mica)
Hawk Mining Co., Spruce Pine, N. C.
Hawk Mine, Mitchell County, N. C.

Reference is made to the November 27 interim report, enclosed herewith.

The Operator has been advised that payment will not be made for the footage drilled in the abandoned no. 1 hole. If hole no. 1 is re-drilled and completed successfully, payment for the footage in the new hole will be approved.

If pegmatite is cut in hole no. 3 and the Operator requests termination without re-drilling hole no. 1, it is our present intention to recommend such termination and certification of discovery.

Robert A. Laurence
Robert A. Laurence
Executive Officer

V. J. Lynch
V. J. Lynch
Member, Bureau of Mines

INTERIM REPORT

DMEA-4337, Idm-E977, HAWK MINE
(Mica)

Operator: Hawk Mining Company, c/o Frank Phillips, Spruce Pine, N. C.

Location: One airline mile N. 36° E. from Cane Creek School, Hawk, Mitchell County, North Carolina

The Operator has abandoned diamond drill hole no. 1 for the present, leaving his equipment in the hole. He pulled all of his casing out.

Diamond drill hole no. 3 has been started down hill from 2 and 1, and is 20 feet in overburden.

The Operator states that he will ask for permission to sink a shaft without further diamond drilling if he encounters pegmatite in hole no. 3 since he will have it in two holes. If he doesn't encounter the pegmatite in hole no. 3, then he will go back uphill and re-drill hole no. 1.

Mr. R. A. Laurence, Executive Officer, DMEA Field Team, Region V, accompanied the examiners on this visit.

Inspected: November 27, 1956

A. R. Taylor

A. R. Taylor, Geologist
U. S. Geological Survey

S. C. Bergman, Geologist
U. S. Geological Survey

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

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RECEIVED NOV 23 1956 DMEA

INTERIM REPORT

DMEA-4337, Idm-E977, HAWK MINE
(Mica)

Operator: Hawk Mining Company, c/o Frank Phillips, Spruce Pine, N. C.

Location: One airline mile N. 36° E. from Cane Creek School, Mitchell County, North Carolina

Diamond drill No. 1 has now reached a depth of -217 feet. Alternating zones of biotite gneiss and hornblende gneiss with scattered nodules of quartz and feldspar were cored.

A summary of the log from the -87.2 ft depth to -217 feet is (BX size) as follows:

Depth	Remarks
87.2 - 91.6	Quartz-biotite gneiss with scattered garnets and thin zones of hornblende gneiss with some disseminated sulfides
91.6 - 92.0	Quartz
92.0 - 102	Hornblende-biotite gneiss with zones of biotite gneiss (3-ft zone no recovery)
102 - 159	Alternating bands of hornblende-biotite gneiss with prochlorite, and biotite gneiss. Some 2-inch quartz nodules, and disseminated sulfides.
159.0 - 159.9	Very fine grained sugar-textured white quartz
160 - 162	Hornblende-biotite gneiss (90% hornblende) with green prochlorite and thin (½") quartz bands
162 - 178.8	Generally hornblende-biotite gneiss
178.8 - 179	No recovery
179 - 212	Hornblende-biotite gneiss with scattered small nodules of quartz (one zone 1-ft thick at 180' point is extremely biotite rich with quartz)
212 - 212.5	Quartz-oligoclase with accessory biotite
212.5 - 217	Hornblende-biotite gneiss with scattered quartz

The Operator switched from NX to BX core at -87.2 feet; from that point to -217 feet the core is BX.

At the time of this visit, Mr. Sam Thompson reported that he had changed from BX to AX at the -217-ft point and had drilled a few feet when the driller lost 170 feet of rods, the core barrel, and the bit. The

Operator had been "fishing" for the equipment for a week with no luck.

Another visit will be made in the near future.

Inspected: November 13, 1956

A. R. Taylor, Geologist
U. S. Geological Survey

L. E. Shirley

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

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November 9, 1956

Memorandum

To: Mr. C. O. Mittendorf, Administrator

From: L. G. Houk, Chief, Nonmetallic Minerals Division

Subject: Amendment No. 2 - Docket No. DMEA-4337-Mica
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina
Contract No. Idm-E977

The subject contract provides for diamond drilling with NX bit. Because of difficult ground conditions, Amendment No. 1 was executed to provide for reduction of size of hole, in the order from NX to BX to AX. In Hole No. 2, the Operator reduced bit size from NX to AX, contrary to requirement of Amendment No. 1, and without Government approval. However, since the hole was successfully completed, the Field Team prepared Amendment No. 2 to authorize direct reduction to AX for Hole No. 2 only.

The Nonmetallic Minerals Division concurs in Amendment No. 2 to the subject contract as written and executed in the field.

Walter C. Anderson
Nonmetallic Minerals Division

WCAnderson:gad 11/9/56
Copy to: Admr. R. File
Mr. Houk

Region V

P. O. Box 217
November 8, 1956

Memorandum

To: Jay L. Chambers, Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

From: Administrative Assistant, Electrotechnical Experiment Station, Bureau of Mines, Region V, Norris, Tennessee

Subject: Monthly report and voucher

We are enclosing two copies of the following monthly report and voucher:

Idm-1977 Hawk Mining Company
Docket No. DMEA-4337
1st payment - month of September
Starting Date: 9-10-56
Amount $1235.33

Helen R. Miller

Attachments
/hbm
Copies to R. A. Laurence
V. J. Lynch
Norris files
Day files

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1025 POST OFFICE BLDG.
WASHINGTON 25, D. C.
KNOXVILLE 2, TENN.

NOV 7 ,1956

Memorandum

To: Operating Committee, DMEA - Washington
From: DMEA Field Team, Region V - Knoxville, Tenn.
Subject: DMEA-4337, Idm-E977-Mica. Hawk Mining Co. N. C.

Enclosed are the original and two copies of Amendment No.2 to the subject contract.

This amendment is to justify only on the basis of successful completion of Hole No.2, the last 182 feet of which was drilled with AX equipment. In difficult ground conditions it is not adviseable to reduce direct from NX to AX, but in this case the AX drilling was successfully completed and full core recovery was made from the pegmatite zone. Cost of the 182 feet of AX drilling is $773.50 as compared with $855.40 for BX, resulting in a saving of $61.43 to the Government.

Robert A. Laurence
Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

V. J. Lynch
V. J. Lynch, Member
Bureau of Mines

RECEIVED
NOV 1956
DMEA.

INTERIM REPORT

DMEA-4337, Idm-E977, HAWK MINE
(mica)

Operator: Hawk Mining Co., c/o Frank Phillips, Spruce Pine, N.C.

Location: One airline miles N 36° E from Cane Creek School, Mitchell County, N. C.

Since the last interim report, diamond drill hole No. 1 has been extended to 119 ft. 2inches. Drilling has been temporarily suspended due to pump breakdown. The drill core was reduced at the 82 ft 7 in. point from NX size to BX size and core recovery has been almost 100 per cent.

The material cored was predominantly fine-grained biotite gneiss to 92 1/2 feet, and a garnetiferous, biotite-muscovite gneiss with occasional fine disseminated sulfides to the present bottom of the hole. Interlayered at frequent intervals throughout the core is a chloritic horndlende schist. Small 1/2 to 2-inch quartz veinlets were cut at 91 1/2 to 92 feet, 102 1/2 ft., and 116 to 117 feet. Dr. Y. K. Bentor, Director of the Israel Geological Survey, accompanied the examiners.

Progress under this contract is satisfactory.

Inspected: October 30, 1956

S. C. Bergman

S. C. Bergman and R. A. Laurence
Geologists, Geological Survey

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

RECEIVED
OCT 29 1956

October 26, 1956

Memorandum

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

From: Executive Officer, DMEA Field Team, Region V

Subject: DMEA-4337, Idm-E977 (Mica)
Hawk Mining Co., Spruce Pine, North Carolina
Hawk Mine, Mitchell County, North Carolina

Enclosed are four copies of the latest interim report on the subject project.

We have recently received the Operator's September MF-104, claiming $873.60 for 168 feet of NX drilling and $773.50 feet of AX drilling. Although the reduction from NX directly to AX was without Government approval, and is contrary to the wording of Amendment No. 1, the Operator was able to complete the hole with AX equipment and to get full core from the pegmatite. Therefore, since this is about $90.00 cheaper than BX and the desired information has been obtained, we are preparing an amendment which will authorize direct reduction to AX for hole No. 2 only, but we have instructed the Operator to use BX equipment on future holes when it is necessary to reduce the hole.

Robert A. Laurence
Robert A. Laurence

INTERIM REPORT

RECEIVED
OCT 29 1956

DMEA-4337, Idm-E977, Hawk Mine
(mica)

Operator: Hawk Mining Company, c/o Frank Phillips, Spruce Pine, N. C.

Location: One airline mile N. 36° E. from Cane Creek School, Hawk, Mitchell County, North Carolina

Drill hole No. 2 (the first to be drilled) has been bottomed successfully on the third attempt. Tries one and two were unsuccessful so the Operator moved his rig about 10 feet down hill and drilled.

A detailed log has been made and will accompany the final report.

At -168.3 ft elevation the Operator changed from NX size core directly to AX without the field examiners knowledge or permission. He has since ordered BX equipment.

Since the last visit (Interim Report, Oct. 4, 1956) the Operator has made an attempt to better store his core, but his arrangement is still inadequate. Some core has been placed at the site in crude 5-ft core boxes, but is not stacked adequately.

He has been instructed to provide better storage for his core, and to keep it until the contract is complete or the government instructs him otherwise.

A summary of the log from DDH No. 2 is as follows:

Depth	Remarks
0 - 41	Overburden, no recovery
0 - 91	Feldspathic, biotite-hornblende gneiss with some stringers of epidote, some chlorite and rare disseminated sulfides. (About 22' no recovery)
91 - 91.2	2" oligoclase w/accessory tourmaline
91-2 - 110	1.5' of biotite-hornblende gneiss (Rest - no recovery)
110 - 184	Hornblende-biotite gneiss
184 - 190	Plagioclase, quartz, biotite, sericite
190 - 200	Hornblende-biotite gneiss

Depth	Remarks
200 - 240	Biotite-hornblende gneiss with prochlorite, epidote, and sulfides with 3' zone of hornblende gneiss
240 - 241	Mixed pegmatite w/"burr" zone some muscovite
241 - 263.3	Biotite-hornblende gneiss with nodules of feldspar
263.3 - 264	albite-oligoclase
264 - 321	Biotite-hornblende gneiss some crenulation
321 - 321.3	Quartz
321.3 - 325.6	Crenulated biotite-muscovite gneiss w/garnets
325.6 - 329.8	(Pegmatite) 325.6 - 326.3 green muscovite, clear, flat, quartz, feldspar; 326.3 - 327.1 albite-oligoclase; 327.1 - 329.8 muscovite, quartz, feldspar
329.8 - 340.3	Crenulated garnetiferous biotite gneiss
340.3 - 340.7	Quartz
340.7 - 350	Biotite-hornblende gneiss (Bottom Hole No. 2)

Diamond drill Hole No. 1 has been started at a minus 45° with an NX core barrel, but work had to be stopped to await the arrival of BX equipment.

The core consists essentially of hornblende and biotite gneiss in alternating bands. The hole has been logged down to 82.7 generally as follows:

Depth	Remarks
0 - 37	Overburden, no recovery
37 - 67	Alternating bands of hornblende and biotite gneiss with some core not recovered
67.0 - 67.2	Quartz
67.2 - 87.2 *	Hornblende and biotite gneiss with some core not recovered

* The core to this point is NX

Inspected: October 16, 1956

A. R. Taylor, Geologist
U. S. Geological Survey

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

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

RECEIVED
OCT 24 1956

October 22, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region V

Subject: Amendment No. 1, Idm-E977, DMEA-4337 (mica)
Hawk Mining Co. c/o Frank Phillips, Spruce Pine, N.C.

Transmitted are three signed copies of the subject amendment.

The usual distrbution of the other copies has been made by this office.

V. J. Lynch

V. J. Lynch

Depth	Remarks
200 - 240	Biotite-hornblende gneiss with prochlorite, epidote, and sulfides with 3' zone of hornblende gneiss
240 - 241	Mixed pegmatite w/"burr" zone some muscovite
241 - 263.3	Biotite-hornblende gneiss with nodules of feldspar
263.3 - 264	albite-oligoclase
264 - 321	Biotite-hornblende gneiss some crenulation
321 - 321.3	Quartz
321.3 - 325.6	Crenulated biotite-muscovite gneiss w/garnets
325.6 - 329.8	(Pegmatite) 325.6 - 326.3 green muscovite, clear, flat, quartz, feldspar 326.3 - 327.1 albite-oligoclase 327.1 - 329.8 muscovite, quartz, feldspar
329.8 - 340.3	Crenulated garnetiferous biotite gneiss
340.3 - 340.7	Quartz
340.7 - 350	Biotite-hornblende gneiss (Bottom Hole No. 2)

Diamond drill Hole No. 1 has been started at a minus 45° with an NX core barrel, but work had to be stopped to await the arrival of BX equipment.

The core consists essentially of hornblende and biotite gneiss in alternating bands. The hole has been logged down to 82.7 generally as follows:

Depth	Remarks
0 - 37	Overburden, no recovery
37 - 67	Alternating bands of hornblende and biotite gneiss with some core not recovered
67.0 - 67.2	Quartz
67.2 - 87.2 *	Hornblende and biotite gneiss with some core not recovered

* The core to this point is NX

Inspected: October 16, 1956

A. R. Taylor

A. R. Taylor, Geologist
U. S. Geological Survey

L E Shirley

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

g

Docket Copy
Surname:
Anderson
Houk
Abernethy
Selfridge
Mittendorf

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

600

OCT - 8 1956

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

Subject: Docket No. DMEA-4337-Mica
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina
Contract No. Idm-E977

Dear Mr. Laurence:

Reference is made to your memorandum of September 25, 1956, recommending an amendment to permit diamond drilling with BX and AX bits when conditions require it.

Pursuant to your recommendation, we have prepared and enclose the original and five copies of Amendment No. 1 which have been signed by the Administrator for the Government. Two extra copies are enclosed for the Field Team. If it meets with your approval, please present it to the Operator for approval and signatures.

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

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Approved:

O. M. Bishop (OMB)
Member, Bureau of Mines

Thor H. Kiilsgaard (THK)
Member, Geological Survey

Enclosures 6

WCAnderson:gad 10/5/56
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

R.C.L.

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

RECEIVED
OCT 10 1956

October 8, 1956

Hawk Mining Company
c/o Mr. Frank W. Phillips
Spruce Pine, North Carolina

Re: DMEA-4337, Idm-E977 (Mica)
Hawk Mine
Mitchell County, North Carolina

Dear Mr. Phillips:

It is my understanding that the core which has been recovered at the Hawk Mine is being handled somewhat carelessly. Much valuable information can be lost if core is not boxed and marked properly, immediately upon its removal from the core barrel.

Please note that exhibit "A" to the contract provides that the fixed unit cost of drilling includes boxing the core. It will, therefore, be greatly appreciated if you will see to it that all core is laid in rows in the proper order, securely boxed and properly marked as to depth intervals. Core boxes of heavy corrugated cardboard are satisfactory if they are kept indoors in a dry place; otherwise, wooden boxes should be used.

Very truly yours,

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

RAL/mg
cc
Oper. Comm. (2)
Lynch
Shirley
File

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT
Date 10-11

Referred to:

1. ~~Mr. Mittendorf~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. ~~Docket Control Mails and Files~~
5. _____ Division
6. Docket Control Mails and Files

Note comments in report regarding:

1. Sloppy job

2.

3.

4.

and take appropriate action.

- - - - - - - -

Action taken by Division:

Robert E. Adams

INTERIM REPORT

DMEA-4337, Idm-E977, HAWK MINE
(mica)

RECEIVED
OCT 1 1

Operator: Hawk Mining Company, c/o Frank Phillips, Spruce Pine, N.C.

Location: One airline mile N 36° E from Cane Creek school, Hawk, Mitchell County, N.C.

The first drill hole is down to 290 feet on a -45° angle. The hole is in hornblende biotite gneiss to 168 feet, from there to 290 feet the hole cut a feldspathic muscovite-biotite gneiss. From 184 to 190 feet a barren plagioclase-quartz pegmatite was intercepted.

At 168 feet, the Operator changed from NX size core to AX without permission or amendment, although he has requested an amendment, and has been advised that we would request one permitting BX size when necessary. The core has not been adequately boxed or cared for and is strewn around the site on boards or in casing boxes. Only part of the AX core has been adequately boxed. No protection has been afforded the core to prevent tampering or disturbances of the intervals.

The Operator is temporarily indisposed and efforts to contact him have been unsuccessful.

Inspected: ~~September~~ October 4, 1956.

S. C. Bergman and A. R. Taylor
Geologists, USGS.

z

Form MF
(April 1

Budget Bureau No. 42-R1036.5

PAID ON VOUCHER & SCHEDULE
OF PAYMENTS K-

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

RECEIVED NOV 13 1956 D.M.E.A.

Month of September, 1956 Docket No. DMEA 1337 Contract No. Idm E-977
Operator's Name Frank W. Phillips Minerals mica
Address Spruce Pine, N.C.
Contract Amount, $ Government Participation: 75 % Amount, $

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	1647.10		1647.10			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1647.10		1647.10	1647.10		1647.10

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 10-19-56 *Big Hawk Mining Co.

Per Frank W. Phillips Title partner

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 1235.33

Signature Helen R. Mellen
(Authorized Certifying Officer)

Date NOV 8 1956 Vou. No. 66

(See other side)

411.77

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E-977 in accordance with the terms of the contract.

Signature W. J. Lynch Title Mining Eng. Date 10-29-56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawson Title EXECUTIVE OFFICER DMEA REGION V Date OCT 29 1956

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form [illegible]
(Apr[illegible]

Budget Bureau No. 42-R1151.2

RECEIVED NOV 13 1956 D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 195 6 Docket No. DMEA 4337 Contract No. 9[illegible]-977

Operator's Name Frank W. Phillips Minerals mica

Address Spruce Pine, N.C.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
~~Chase~~ BX	foot	875.60	168	875.60	168	5.20		
~~Cage~~ AX	"	773.50	182	773.50	182	4.25		
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1647.10						TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date 10-19-56 Operator Big Hawk Mining Co. Frank W. Phillips

Per Frank W. Phillips Title partner

REMARKS:

NOTE.—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.

(Instructions on reverse)

(For Government use only)

W. J. Lynch.
Bureau of Mines
10-29-56

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

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NOV 13 1956
D.M.E.A.

BIG HAWK MINE

September 1956 Docket No. DMEA 4337 Contract No. Idm E-977

Date	From	To	Footage	Core
9-10-56	0	34	34	surface
9-11-56	34	51	17	6"
9-12-56	51	64	13	2'
9-13-56	64	97	33	19'
9-14-56	97	113	16	16'
9-15-56	113	127	14	14'
9-17-56	127	139	12	12'
9-18-56	139	153	14	14'
9-19-56	153	157	4'	4'
9-20-56	157	162	5	5'
9-21-56	162	168	6	6'
9-22-56	168	175	7	7'
9-24-56	175	180	5	5'
9-25-56	180	209	29	29'
9-26-56	209	239	30	30'
9-28-56	239	259	20	20'
9-29-56	259	275	16	16'
9-23-56	275	291	16	12'
10-3-56	291	311	20	12'
10-4-56	311	331	20	20' 54" Vein core at 326'
10-5-56	331	350	19	19'

I certify that the above information is correct

Frank W. Phillips

Frank W. Phillips, operator

BIG HAWK MINE

September 1956 Docket No. 4537 Contract No. Lom. E-977

Hole No. 2 was drilled to 51 feet and fouled up, machine was advanced 2 feet, a new hole started and drilled to 51 feet and fouled up again. Then machine was moved 10 feet in direction of Hole No. 1, started and log of operations is attached.

I certify that the above information is correct.

Frank W. Phillips

Frank W. Phillips, operator

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

RECEIVED
SEP 27 1956

September 25, 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-4337, Idm-E977-Mica. Hawk Mining Co., Hawk Mine, Mitchell County, N. C. c/o Frank W. Phillips, Spruce Pine, N.C.

Reference is made to our memorandum of Sept. 11, and interim report of September 4.

Today we received the following information from Mr. Frank W. Phillips, in response to our request for cost data:

"If the drill Operator runs into more ground trouble and is unable to complete a hole with NX bit, he agrees to finish the hole with AX bit for $4.25 per foot."

He did not even mention BX drilling. We do not favor reducing NX direct to AX.

Therefore, we recommend an amendment permitting drilling with BX bit at $4.70 per foot and AX at $4.25 per foot, when conditions require it.

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

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

RECEIVED
SEP 23 1956

INTERIM REPORT

DMEA-4337, Idm-E977 (mica) HAWK MINE

Operator: Hawk Mining Company, c/o Frank Phillips, Spruce Pine, North Carolina
Location: One airline mile N36°E from Cane Creek School, Hawk, Mitchell County, North Carolina

D. D. H. No. 2 has now been collared and drilling is continuing slowly on this contract. Total depth reached is 143 feet, 41 feet of which was composed of weathered surface material with no core recovery. The remaining 102 feet consists primarily of unweathered biotite gneiss containing narrow quartz bands and finely disseminated accessory minerals such as pyrite and garnet, with occasional scattered seams of completely weathered material with no core recovery. The hole has been logged in detail and a complete log will follow as soon as the hole is bottomed.

Recent drilling has been conducted by an E. J. Longyear driller from Austinville, Virginia on loan for a few days from this company to the operator. It is not known who will replace this driller when he returns to the company. The operator is aware of the need for an experienced man and the Field Examiners have pointed out the necessity for progress on the contract.

L. E. Shirley

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

A. R. Taylor, Geologist
S. C. Bergman, Geologist
U. S. Geological Survey

September 18, 1956

C

RECEIVED
SEP 13 1956

September 11, 1956

Mr. Frank W. Phillips

Spruce Pine, North Carolina

Re: DMEA-4337, Idm-E977 (mica)
Hawk Mine, Mitchell County, N.C.

Dear Mr. Phillips:

I have your letter of September 4, and the Field Team is willing to recommend an amendment permitting reduction to BX and, if necessary, AX bits when ground conditions require it.

However, we cannot prepare such an amendment without your estimate of the cost of BX and AX drilling. Please submit these estimates as soon as possible.

Very truly yours,

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

RAL/xm
cc:
Opr. Com.-3
Lynch
Files
Shirley

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

September 11, 1956

RECEIVED
SEP 13 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: Eield Team, DMEA - Region V - Knoxville, Tenn.

Subject: DMEA-4337, Idm-E977 (mica) Frank W. Phillips, Spruce Pine, N.C. Hawk Mine, Mitchell County, NC.

Enclosed are four copies of the latest interim report, and four copies of a letter from the Operator, requesting permission to reduce the size of the hole when necessary.

We are writing the Operator for estimate of costs of BX and AX drilling, and will forward then when received. The Operator is doing this drilling with his own drill and his own crew.

Permission to amend the contract, upon receipt of adequate cost data, is recommended.

Robert A. Laurence

Robert A. Laurence
Executive Officer, DMEA
Region V

Wm. A. Beck

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

C O P Y

RECEIVED
SEP 13 1956

Spruce Pine, N. C.
September 4, 1956

Robert A. Laurence, Executive Officer
D. M. E. A. Field Team, Region 5
Post Office Bldg. Room 13
Knoxville, Tenn.

Re: DMEA-4337, Idm-E977 (mica)
Hawk Mine, Mitchell County, N.C.

Dear Mr. Lauerence:

We have made two unsuccessful attempts to drill Hole No.2 cut through clay and soft slate to 48 feet. Then drilled through a 3 foot boulder and back into soft material. Drill operator was not able to ream hole through boulder to put down casing.

We would like, for the above reason, to have our contract amended to permit us to change from NX to AX bit, if we should have the same difficulty in any of the three holes.

Thanking you for your consideration and help, I am,

Yours very truly,

s/ Frank W. Phillips

Copied by zm.
9/11/56

RECEIVED
SEP 13 1956

INTERIM REPORT

DMEA-4337, Idm-E977 (mica) HAWK MINE

Operator: Hawk Mining Company, c/o Frank Phillips, Spruce Pine, N. C.

Location: One airline mile N 36° E from Cane Creek school, Hawk, Mitchell County, North Carolina

The first of three contract holes (No.2) has not been collared successfully to date, because of an inability to drive casing through the residually weathered surface. Two holes were started but lost at 50 feet. A request for an amendment has been sent in by the Operator to reduce the contact core size from NX to BX. This would permit the driller to drill an NX size hole from BX casing. He has been unsuccessful in driving NX casing. He would then drill with BX size tools through BX casing. The Field Examiners heartily concur with this request.

BX core will be adequate to determine the size, position and attitude of the pegmatite. The Operator has been requested to furnish cost estimates for the BX drilling.

Inspected: Sept.4, 1956

S. C. Bergman and A.R.Taylor, Geologists
Geological Survey

z

ACTION ON INTERIM
OR FINAL FIELD PROGRESS REPORT
Date 8-30

Referred to:

~~1. Mr. Mittendorf~~
~~2. Mr. Johnson~~
~~3. Mr. Shamhart~~
4. ~~Docket Control Mails and Files~~
5. ~~Mr. Dunbar, Division~~
6. ~~Docket Control Mails and Files~~

Note comments in report regarding:

1. Proposed amendment
2. Would cost to
3. ~~increased? Propose here~~
4. BX would be cheaper ± 40¢
   1/2 NX 1/2 BX

and take appropriate action. with amendment

Action taken by Division: Amendment written
No increase in cost
Operations

Waiting for estimates of costs of BX and AX drilling.

Robert E. Adams

Note: Wait for Lawrence letter.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
ROOM 15 POST OFFICE BLDG
KNOXVILLE 2, TENN.

A

August 28, 1956

Memorandum

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

From: Executive Officer, DMEA Field Team, Region V

Subject: DMEA-4337, Idm-E977 (Mica)
Hawk Mining Company, Spruce Pine, North Carolina
Hawk Mine, Mitchell County, North Carolina

Enclosed are four copies of the first interim report on the subject contract.

The examiners recommend approval of the Operator's request to reduce the hole to BX where necessary. When the Operator's written request is received, we will prepare an amendment authorizing this change.

Robert A. Laurence
Robert A. Laurence

Enclosures 4

INTERIM REPORT

DMEA-4337, Idm-E977 (mica) HAWK MINE

Operator: Hawk Mining Company (Frank W. Phillips, George Reid, and Johnny Wilson), c/o Frank W. Phillips, Spruce Pine, N. C.

Location: One airline mile N.36° E. from Cane Creek School in Hawk, Mitchell County, North Carolina (Carvers Gap, N. C.-Tenn., TVA Quad., 208-SE, 1/24,000).

Drilling has commenced on this contract. A total of 50 ft has been drilled on diamond drill hole No. 2 (at minus 45°) in weathered material. Only 22 inches of core (gneiss with 2" band of quartz) has been recovered.

The Operator is driving NX casing and is encountering alternating hard and soft layers which makes it imperative to blast in order to drive the casing. He has requested verbally (and will follow it up in writing) permission to case the hole down to solid rock with BX casing and to core below that with BX core in order that he may drill his casing hole through the hard layers rather than blast it. The work is progressing satisfactorily.

Inspected: August 21, 1956

S. C. Bergman A. R. Taylor

S. C. Bergman and A. R. Taylor, Geologists
U. S. Geological Survey

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

RECEIVED
JUL 27 1956

July 25, 1956

Hawk Mining Company
c/o Frank W. Phillips
Spruce Pine, N. C.

Re: DMEA-4337, Idm-5977 (mica)
Hawk Mine, Mitchell County, N.C.

Dear Mr. Phillips:

Attached is your signed copy of the subject contract.

A starting date of September 1, 1956 has been inserted but you may begin work before that date if you wish. We would appreciate your notifying this office when you begin work.

Very truly yours,

V. J. Lynch, Acting
Executive Officer, DMEA
Field Team, Region V

ZM.
cc:
Finance Office
Opr. Con.-2
Shirley
Lynch
Files

Docket Copy
Surname:

Houk
Talbert
Selfridge
F E Johnson

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

JUL 23 1956

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

Re: Docket No. DMEA-4337 - Mica
(Formerly DMEA-3779)
Frank W. Phillips, et al.
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina

Dear Mr. Laurence:

Enclosed are the Operator's, Field Team's and Finance Officer's copies of the subject contract which have been dated, numbered, and executed by the Administrator for the Government.

Please fill in and advise this office of the starting date, and make the usual distribution.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Approved:

P. F. Yopes (GCS)
Member, Bureau of Mines

Thor H. Kiilsgaard (GCS)
Member, Geological Survey

Enclosures 3

LGHouk:gad 7/20/56
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

R.G.L.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
ROOM 27 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

July 11, 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-4337 (mica) Hawk Mining Company, c/o Frank W. Phillips, Spruce Pine, N. C. Hawk Mine, Mitchell County, N.C.

Enclosed are six copies of the subject contract signed by the applicant. All copies are returned for the Administrator's signature.

Robert A. Laurence
Robert A. Laurence
Executive Officer, DMEA
Region V

V. J. Lynch
V. J. Lynch, Member
Bureau of Mines

RECEIVED
JUL 13 1956

DOCKET COPY
Surname:
Anderson
Houk
Champlin
Selfridge
Johnson
Mitchell

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

600

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

JUN 29 1956

Re: Docket No. DMEA-4337-mica
(Formerly DMEA-3779)
Frank W. Phillips, et al.
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina

Dear Mr. Laurence:

Enclosed are the original and five copies of an unexecuted contract. Please note the Administrator has not signed the contract. Contracts are to be signed by the operator before execution by the Government. This action is necessary as an administrative safeguard until the Defense Production Act is extended by the Congress. Please do not date. Attachments to the contract are Annex I, Consent to Lien, Exhibit "A", and four maps of the Hawk Mine. Two extra copies of Annex I, Exhibit "A" and the maps are enclosed for the use of the Field Team.

If the proposed contract meets with your approval, present it to the applicant for execution. Please explain to the applicant that the contract is a firm commitment to complete the work outlined at the agreed cost. After execution by the operator, all copies are to be returned to this office for execution by the Administrator.

If any part of this proposed contract does not have either your approval or that of the applicant and cannot be amended within your delegated authority, then the original and all copies of the contract and the two extra copies of Annex I, Exhibit "A" and the maps are to be returned to this office, together with the proposed changes for consideration.

Copies of memoranda dated June 26 and 27, 1956, by Mr. W. F. Dietrich, USBM, and Mr. N. E. Nelson, USGS, respectively, relating to the project are enclosed.

Please note the change in the docket number. Application DMEA-3779 was officially withdrawn on January 26, 1956. This was a completed action and we are assigning this new Docket No. DMEA-4337.

Approved:

P. F. Yopes
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Enclosures: 12

WCAnderson:ms 6/27/56
Copy to: Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Anderson
Admr. R. File

IN REPLY REFER TO:

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

RECEIVED
JUN 27 1956

June 27, 1956

Re: DMEA 4337
Frank W. Phillips, et al.
Hawk Mining Co.
Hawk Mine
Mitchell Co., N. C.

Memorandum

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

From: N. E. Nelson, U. S. Geological Survey

Subject: Comment on proposed diamond drilling program in lieu of the proposal of DMEA 3779.

Under date of April 18, 1955, the applicant requested assistance in exploring by 3 diamond drill holes, shaft sinking and drifting, the pegmatite from which a large amount of mica has been recovered. The proposed drill hole #3 would explore the pegmatite below the lowest mine workings, underhand stopes below the 4th level off the winze. Holes 1 and 2 would explore the projected pegmatite to the southwest of the mine openings in the suggested pitch of the lense-shaped ore shoot or explore for another shoot in the strike of the one which appears to have pinched.

The examiners under date of June 8, 1955, recommended a 2-stage work program to consist of:

Stage I		
3 drill holes (NX) each approximately 400 feet deep		$7,200
Stage II		
Bulldozing for shaft site	$925.00	
Headframe	550.00	
Shaft sinking 300 feet	21,000.00	
Drifting 200 feet	7,000.00	
Buildings	113.00	
	$29,588.00	$29,588.00
		$36,788.00

The applicant was not interested in the diamond drilling program as Stage I of a project and the application was considered withdrawn and removed from the active file.

On request of the applicant the application has been reactivated under the referenced DMEA number, and a 1300-foot drilling program is contemplated, the cost to be about $7,800.

As before, I concur with the recommendation of the examiners and the Field Team.

N. E. Nelson

N. E. Nelson

RECEIVED
JUN 26 1956

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

June 26, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: W. F. Dietrich, Chief
Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4337 (mica)

Applicant: Phillips, Reid, Wilson, Buchanan (Hawk Mining Co.)

Name and Location of Property: Hawk Mine, Mitchell County, N. C.

Comments:

1. The habit of mica in this pegmatite is already known from previous mining.
2. A drilling campaign would prove the existence of the pegmatite.
3. The estimated cost of the drilling is $6,760.00

Recommendation: I recommend the exploration program be limited to the drilling campaign.

W. F. Dietrich

W. F. Dietrich

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

June 15, 1956

Memorandum

To: Mr. Robert E. Adams

From: Lawrence G. Houk

Subject: Reactivation of withdrawn Docket No. DMEA-3779 to new Docket No. DMEA-4337.
Hawk Mining Company
Frank W. Phillips, et al.
Hawk Mine
Mitchell County, North Carolina

Please transfer the material in Docket No. DMEA-3779-Mica, which was withdrawn January 26, 1956, to Docket No. DMEA-4337. The request for reactivation was received June 4, 1956, in a memorandum from Region V.

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

RECEIVED
JUN 18 1956

June 14, 1956

Memorandum

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

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

Subject: DMEA-3779 (Mica)
Hawk Mining Company
Hawk Mine, Mitchell County, North Carolina

Reference is made to your letter of June 12 and attached maps.

It appears to us that the proposed hole locations have been plotted incorrectly on the lease map. On the geologic and topographic map, the revised location of hole no. 3, shown in blue, is 265 feet N. 80° E. from the mouth of the adit (only point definitely identifiable on both maps), but on the lease map it is plotted 410 feet S. 45° E. from the mouth of the adit. When plotted from the original bearing, it and both other hole sites fall on the leased area.

The maps are enclosed herewith, with our interpretation of the proposed hole sites shown in green on the lease map, and the lease boundary plotted in red on the topographic map. However, the irregular scale of the topographic map makes accurate plotting difficult.

Thus it does not seem necessary to have the applicant acquire additional land in order to do the proposed drilling.

Robert A. Laurence
Robert A. Laurence
Executive Officer

V. J. Lynch
V. J. Lynch
Member, Bureau of Mines

June 12, 1956

Mr. Frank Phillips calling Mr. L. G. Houk from Spruce Pine, N. C.

Re: Docket No. DMEA-3779 - Mica
Frank W. Phillips, et al.
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina

Mr. Phillips: I talked with Mr. Laurence and told him we are willing to accept the contract for diamond drilling and finance the shaft ourselves.

Mr. Houk: We had your contract all prepared and find that the collar of the diamond drill holes are outside the property. We cannot spend money outside the contract area so it will be necessary for you to get an additional strip of land.

Mr. Phillips: We have another lease on an adjoining tract on the SE side. The land owned by Morgan we have a lease on the mineral rights. Oakley Buchanan, his name is not on the application but he is in on the deal, owns the adjoining tract. I don't think we will have any trouble with that.

Mr. Houk: I hope not. You didnt give us a property owners map.

Mr. Phillips: We were discussing it with Mr. Buck and Mr. Teague and they didnt think we would have any trouble.

Mr. Houk: We dropped the diamond drill holes back in order to get a better ~~direction~~. intersection of the pegmatite

Mr. Phillips: If it shows Buchanan on the map we will not have any trouble.

Mr. Houk: If you will just ~~enlarge that~~ change the description and give us some more land on SE perhaps 300 ft. ~~at that end.~~

Mr. Phillips: Should I tie it up in a lease?

Mr. Houk: It would be better. ~~I think it would be better.~~ Get a lease from him for a strip about 300 ft. wide which will take in the collars of the drill holes and get a consent to lien.

Mr. Phillips: Ok. I will get it first thing. Now since we are sure of the program lasting and the increase we feel that there is enough mica there to pay.

Mr. Houk: Do you like the new mica program?

Mr. Phillips: I like it fine. I think all the people are satisfied now. We got a pretty good increase on the stained quality. It will mean more to us on the Sinkhole. It will help a lot.

DEFENSE MINERALS ADMINISTRATION

97023

PRODUCTION EXPANSION DIVISION

PROCUREMENT APPLICATIONS

Name of Company and Address _____

Name of Mine and Location _____

Docket No. DMA - _____ Date received by P.E.D. _____

Metals or Minerals involved _____

Length of Contract (preproduction plus production) _____

Amount of Metals or Minerals in tons, units or pounds _____

Floor price or Guaranteed price and whether or not escalated _____

Maximum Government Commitment _____

Comments on Contract: _____

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_____

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Date sent to Legal Division _____

Date of Recommendation to D.P.A. for Certification _____

Date Certification sent to G.S.A. by D.P.A. _____

Date signed into Contract by G.S.A. _____

Additional Remarks: _____

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NOTE: If application is denied, or if it is recommended for change into exploration, etc., please state under additional remarks.

Interior—Duplicating Section, Washington, D. C.

Signed _____

Mr. Houk: How about the R. B. Phillips?

Mr. Phillips: The new program will not help too much on that but it gives about a 30% increase on the Sinkhole. We have enough to pay it up. We do appreciate your help. It was never rich enough to work from the top. We have sunk our shaft another 40 ft. and we have pegmatite in both directions. It looks like the largest mine in the country. That was your prediction. It is not as rich as the R. B. Phillips but we have more pegmatite. We have four or five years work there. We have gotten out about 30 to 35 tons since last September.

Mr. Houk: Any others applications in mind?

Mr. Phillips: We have others yes. I am thinking of getting more core drilling done.

Mr. Houk: On the Hawk - if you will tie the legal description of the new leased area to the mouth of the tunnel that you have marked on the map it will help us immeasureably.

Mr. Phillips: I will do that and we will send it back as soon as we get it. That Dycus is doing very good. I bought it out from Biggerstaff's name. ~~The vein~~ we have gotten down 80 ft. We have taken out about $50,000.00 worth of mica. I am in favor of dozer work where the area is soft. We finally hit two veins in there. It is very rich.

Mr. Houk: ~~Yes. I am in favor of dozer work too; however~~, only to remove the pegmatite. We cannot allow dozer work under our program. Dozer work to take out the entire vein is not allowable.

Mr. Phillips: Just uncover the pegmatite is all you allow in dozer work?

Mr. Houk: Yes, we have certain limitations put on us by Congress and O.D.M.

Mr. Phillips: Well, I will get that lease up to you soon.

Mr. Houk: Thank you.

DEFENSE MINERALS ADMINISTRATION

97023

PRODUCTION EXPANSION DIVISION

PROCUREMENT APPLICATIONS

Name of Company and Address _____

Name of Mine and Location _____

Docket No. DMA - _____ Date received by P.E.D. _____

Metals or Minerals involved _____

Length of Contract (preproduction plus production) _____

Amount of Metals or Minerals in tons, units or pounds _____

Floor price or Guaranteed price and whether or not escalated _____

Maximum Government Commitment _____

Comments on Contract: _____

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Date sent to Legal Division _____

Date of Recommendation to D.P.A. for Certification _____

Date Certification sent to G.S.A. by D.P.A. _____

Date signed into Contract by G.S.A. _____

Additional Remarks: _____

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_____

NOTE: If application is denied, or if it is recommended for change into exploration, etc., please state under additional remarks.

Signed _____

Interior—Duplicating Section, Washington, D. C.

June 12, 1956

Mr. L. G. Houk calling Mr. R. A. Laurence in Knoxville, Tenn.

Re: Docket No. DMEA-3779 - Mica
Frank W. Phillips, et al
d/b/a Hawk Mining Company
Mitchell County, North Carolina

Mr. Houk: On the Hawk Mine - the collar of the drill holes is outside the contract area.

Mr. Laurence: They can expand the area.

Mr. Houk: We have the contract all prepared, ready to send to Legal but we decided to get that straightened out first.

Mr. Laurence: They can get the land.

DEFENSE MINERALS ADMINISTRATION

97023

PRODUCTION EXPANSION DIVISION

PROCUREMENT APPLICATIONS

Name of Company and Address _____

Name of Mine and Location _____

Docket No. DMA - _____ Date received by P.E.D. _____

Metals or Minerals involved _____

Length of Contract (preproduction plus production) _____

Amount of Metals or Minerals in tons, units or pounds _____

Floor price or Guaranteed price and whether or not escalated _____

Maximum Government Commitment _____

Comments on Contract: _____

_____

_____

_____

_____

_____

Date sent to Legal Division _____

Date of Recommendation to D.P.A. for Certification _____

Date Certification sent to G.S.A. by D.P.A. _____

Date signed into Contract by G.S.A. _____

Additional Remarks: _____

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_____

NOTE: If application is denied, or if it is recommended for change into exploration, etc., please state under additional remarks.

Interior—Duplicating Section, Washington, D. C.

Signed _____

DOCKET COPY
Surname:
Anderson
Houk
Martin
Hoffman
Matthews

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

JUN 12 1956

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

Re: Docket No. DMEA-3779-mica
Frank W. Phillips, et al.
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina

Dear Mr. Laurence:

Reference is made to your memorandum dated June 4, 1956, recommending reactivation of the subject application which was withdrawn on January 26, 1956.

We are in agreement with your recommendation but, upon review of the application, we discover that possibly the location of the proposed diamond drill holes is outside of the leased area. Enclosed are two maps indicating our interpretation of their location. Please report on this matter and if we are correct, it will be necessary for the applicant to obtain a lease for additional land to include the location of the proposed diamond drill holes.

Further action on this application is deferred pending a report on the above matter.

Sincerely yours,

W. S. Martin
ACTING Chairman, Operating Committee

Approved:

P. F. Yopes
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

Enclosures:2

WCAnderson:ms 6/11/56
Copy to: Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Anderson
Admr. R. File

R.C.S.

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

RECEIVED
JUN - 6 1956

June 4, 1956

Memorandum

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

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

Subject: Docket No. DMEA-3779 (Mica)
Hawk Mining Company, Spruce Pine, N. C.
Hawk Mine, Mitchell County, North Carolina

Mr. Frank Phillips, of the Hawk Mining Company, telephoned this morning to inquire about the possibility of re-activating the subject application. It was denied on January 26, 1956 because the applicants did not want a contract for core drilling alone.

Mr. Phillips said that, due to the recent changes in the Government mica buying program, the company would now be willing to accept a contract for drilling, with the understanding that any underground work to develop pegmatite discovered by the drilling would be at their own expense. He stated that the holes recommended in the Field Team report of June 8, 1955 would be satisfactory to them.

We, therefore recommend approval of a contract providing for three drill holes, with costs based on bids submitted in September 1955. If a new application is required, or any other confirmation of the applicant's intentions is needed, please let us know.

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

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

Docket Copy
Surname:

Houk

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

JAN 26 1956

Mr. Frank W. Phillips
Hawk Mining Company
Spruce Pine, North Carolina

Re: Docket No. DMEA-3779 - Mica
Frank W. Phillips, et al.
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina

Dear Mr. Phillips:

Reference is made to your application for exploration assistance on the Hawk Mine in Mitchell County, North Carolina.

We have been advised by the Field Team that you are no longer interested in a diamond drilling program for the exploration of the subject property. We are, therefore, considering the application withdrawn and are removing it from our active file.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your property to our attention.

Sincerely yours,

C. O. [illegible] (for)

Administrator

WCAnderson:LGHouk:gad 1/24/56
Copy to: Admr. R. File
Docket
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Anderson

R.C.L.

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

January 25, 1956

Memorandum

To: Files

From: Walter C. Anderson

Subject: Evaluation of application and field examination report
Docket No. DMEA-3779 - Mica
Hawk Mining Company
Frank W. Phillips, et al.
Hawk Mine
Mitchell County, North Carolina

Withdrawal of application is recommended.

Mica: Strategic quality, clear, light-rum color.

Pegmatite: Several zoned pegmatites of "pinch and swell" type, maximum thickness 12 feet and pinching to 1 foot. The enclosing rock is hornblende gneiss.

Old Workings: Extensive mining has been carried on here for many years. During last two years a 100 foot trench has been cut costing $8,000. Mica was recovered in profitable quantities from muck filled stopes and pillars. Maximum depth of old workings is 203 feet, all of which are inaccessible.

Method of exploring: Applicants proposed to drill three diamond drill holes to intersect the pegmatite below the old workings and the extension of the pegmatite toward the southwest. Then, if drilling justified, to sink a 350 foot shaft and drive 400 feet of drifts at a total cost of $38,500. In their original report the Field Team recommended about the same program at a cost of $36,788. After considerable study, the Nonmetallic Minerals Division recommended only a drilling program in which the Field Team concurred. The premise of the Nonmetallic Minerals Division was that since the extensive mining operations had been conducted in the upper workings the character of the pegmatite and the location of the shoots was such

that should the diamond drilling prove that the pegmatite extended to depth, then it was reasonable to expect that the mica bearing portions could be expected to exist in a similar manner as they had in the upper workings. It might be pointed out that the applicants agreed to a diamond drilling program and later changed their minds. Based upon the past production from the pegmatite in excess of $150,000, it is not felt that the probable target size justifies the expenditure of $38,500.

Recommendation: In view of the foregoing the Nonmetallic Minerals Division recommends withdrawal of the application. The Field Team concurs.

W. C. Anderson
Nonmetallic Minerals Division

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

January 24, 1956

Memorandum

To: Operations Control and Statistics Division

From: Nonmetallic Minerals Division

Subject: Withdrawal of application - Docket No. DMEA-3779 - Mica
Hawk Mining Company
Frank W. Phillips et al.
Hawk Mine
Mitchell County, North Carolina

In a memorandum dated December 8, 1955, the Executive Officer, DMEA Field Team, Region V, has advised this office that the applicants will not sign a contract which provides only for core drilling. The application, therefore, will be considered withdrawn and placed in our inactive files.

January 15, 1956

ADD THIS PARAGRAPH TO THE CONTRACT TRANSMITTAL LETTER.

Please note the change in the docket number. Application DMEA-3779 was officially withdrawn on January 26, 1956. This was a completed action and we are assigning this new docket number DMEA-4337.

DEFENSE MINERALS ADMINISTRATION

97023

PRODUCTION EXPANSION DIVISION

PROCUREMENT APPLICATIONS

Name of Company and Address _____

Name of Mine and Location _____

Docket No. DMA - _____ Date received by P.E.D. _____

Metals or Minerals involved _____

Length of Contract (preproduction plus production) _____

Amount of Metals or Minerals in tons, units or pounds _____

Floor price or Guaranteed price and whether or not escalated _____

Maximum Government Commitment _____

Comments on Contract: _____

_____

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_____

_____

_____

Date sent to Legal Division _____

Date of Recommendation to D.P.A. for Certification _____

Date Certification sent to G.S.A. by D.P.A. _____

Date signed into Contract by G.S.A. _____

Additional Remarks: _____

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_____

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_____

NOTE: If application is denied, or if it is recommended for change into exploration, etc., please state under additional remarks.

Signed _____

Interior—Duplicating Section, Washington, D. C.

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

RECEIVED
DEC 12 1955

December 8, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville

Subject: DMEA-3779 (mica) Hawk Mining Co. Hawk Mine, Mitchell County, N. C.

Enclosed are copies of executed Consent to Lien and map of the Hawk Mine property, received today from the applicant.

The applicants told Mr. Lynch and Mr. Shirley that they will accept a staged contract, for shaft-sinking to follow three drill holes if the results are successful. They will not, however, sign a contract which provides only for core drilling.

Robert A. Laurence

Robert A. Laurence

Docket Copy
Surname:
Anderson
Houk
Jefferson

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

NOV 2 1 1955

Mr. Frank W. Phillips
Hawk Mining Company
Spruce Pine, North Carolina

Re: Docket No. DMEA-3779 - Mica
Hawk Mining Company
Frank W. Phillips et al.
Hawk Mine
Mitchell County, North Carolina

Dear Mr. Phillips:

Reference is made to your application for Government assistance to explore the subject property.

You have been requested by the DMEA Field Team, Region V, Knoxville, Tennessee, to furnish the Owner's Consent to Lien. Our letter of May 10, 1955, requested you to furnish a correct land description. The description in your letter of April 26, 1955, apparently contains several omissions.

Processing of your application is being held in abeyance pending receipt of the above requested data. It will be appreciated if you will give this matter prompt attention.

Sincerely yours,

SIGNED

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

WCAnderson:gad 11/18/55
Copy to: Admr. R. File
Docket
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

R.C.S.

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

RECEIVED
SEP 26 1955

September 23, 1955

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-3779 (mica) Hawk Mining Co. Hawk Mine, Mitchell County, N.C.

Reference: Your letter of Sept. 12, 1955

Reply to this letter has been delayed because the envelope containing all September 12 mail was delivered here September 20.

We have no recommendations for more than 3 drill holes; at least not until the three are drilled.

The Operator is willing to execute a contract for three drill holes but is unwilling to do more drilling than that. They understand that shaft-sinking following drilling would not be a part of the contract. This was explained in a talk with Frank Phillips September 21.

Robert A. Laurence
Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

V. J. Lynch
V. J. Lynch, Member
Bureau of Mines

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

September 16, 1955

RECEIVED
SEP 19 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V

Subject: Drilling Bids, DMEA-3779, (mica) Hawk Mining Co., Spruce Pine, N. C. Hawk Mine, Mitchell County, N. C.

Enclosed are two copies each of four bids for core drilling which has been proposed for the Hawk Mine exploration.

We are advised by Mr. Teague that Mitchell Lumber Company recently bought a new core-drill, and that they employ a capable driller. Therefore, their bid of $5.20 per foot, including core boxes, can be used as a unit-cost item in the contract.

Please note that, although Mr. Frank Phillips is also an officer of Mitchell Lumber Company, the drill is the property of the Corporation and not any individual. The other two partners have no connection with Hawk Mining Company. Mr. Sam Thompson's connection with Hawk Mining Company is not stated.

Robert A. Laurence

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

Docket File
Surname:
Anderson
Houk
Selfridge
Mitchendorf

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

SEP 12 1955

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

Subject: Docket No. DMEA-3779 - Mica
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina

Dear Mr. Laurence:

Reference is made to the Field Examination Report and to your recommendations on the subject application, and your telephone conversation with Mr. Houk on September 7, 1955.

Further careful study of the proposed project has prompted us to suggest that only Stage I, consisting of drilling, may be necessary. If no pegmatite is found, of course, Stage II, consisting of shaft sinking and drifting, would not be undertaken. If the pegmatite is found, and since the habit of mica occurrence has been established from previous mining, it would then be the Operator's responsibility to sink the shaft and develop the mica.

From 800 to 1,200 feet of diamond drilling has been proposed. If the first holes are successful more holes to determine the extent of the pegmatite may be desirable.

We will appreciate having your comments on the additional drill holes.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (2/6)

Approved:

P. F. Yopes (2/6)
Member, Bureau of Mines

(s) N. E. Nelson (2/6)
Member, Geological Survey

WCAnderson:gad 9/8/55
Copy to: Admr. R. File
Docket
Field Team, Region V
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Anderson

R.C.S.

MANUFACTURERS OF
DIAMOND DRILLS
DRILLING EQUIPMENT
DIAMOND BITS

BRANCH OFFICES
NEW YORK · PITTSBURGH
PHILADELPHIA
GRAND JUNCTION, COLO.

EXECUTIVE OFFICES & PLANT
221 W. OLIVE STREET
SCRANTON, PA.

SPRAGUE & HENWOOD, INC.

SINCE 1883

CONTRACTORS FOR
DIAMOND DRILLING
SHOT DRILLING · SOIL SAMPLING · PRESSURE GROUTING
WATER WELLS & CHURN DRILLING

MAIL ADDRESS · P. O. BOX 446
SCRANTON 2, PA.
DIAMOND 4-8507

RECEIVED
SEP 10 1955

September 8, 1955

(Air Mail)

Big Hawk Mining Company
Box 725
Spruce Pine, North Carolina

Attention:- Mr. Sam W. Thompson

Gentlemen:-

Replying to your letter of August 27th, we are pleased to quote you an approximate price on Core Drilling near SPRUCE PINE, NORTH CAROLINA as follows:-

Item No. 1 - For mobilization and de-mobilization
Lump sum SIX HUNDRED DOLLARS - ($600.00).

Item No. 2 - For drilling NX holes recovering a core approximately 2-1/8" in diameter
FIVE DOLLARS - ($5.00) per linear foot.

For the above price we will furnish complete drilling equipment, including experienced drilling personnel.

You are to make a road to the location of the proposed work. It is also understood that a sufficient supply of water will be found within 600 feet of the farthest hole.

Payments to be made within 30 days after date of our invoice.

We wish to thank you for the opportunity of quoting.

Very truly yours,

SPRAGUE & HENWOOD, INC.,

Wm. J. Schank
Vice President

WJS:GT

September 7, 1955

Mr. L. G. Houk calling Mr. R. A. Laurence, Knoxville, Tennessee

Re: Docket No. DMEA-3779 - Mica
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina

Mr. Houk: There has been some thought in giving them a more extensive diamond drilling program and letting them go ahead on their own. No definite determination has been made on that. We have been having discussions on bringing our mica program more in line with other programs such as uranium, etc., where the Government participates in a diamond drilling program to explore for an orebody. If and when a new orebody is discovered by diamond drilling, Government assistance will end and the operator allowed to carry on additional work on his own.

Mr. Laurence: If you do the drilling and discover a deposit like the Campbell as long as it is consistant throughout the country we have no objections to that. If they prove tonnage then shaft sinking becomes development.

Mr. Houk: We will throw this idea around for the next few weeks.

Mr. Laurence: If we do it for one and do it differently for another that makes for unpleasant feelings. However, I would put mica in a different class. All you prove in mica is that there is a pegmatite.

Mr. Houk: There will be some deviations from that. Where ~~no~~ pegmatite has been mined out we would not have to do anything but the drilling.

Mr. Laurence: That would be different from something brand new. I would be inclined to agree with that.

Mr. Houk: I think we can work out something.

LGHouk:gad 9/7/55

Copy to: Admr. R. File
Docket
Division

Longyear

E. J. LONGYEAR COMPANY
General Offices, Foshay Tower
Minneapolis 2, Minnesota, U. S. A.
TELEPHONE MAIN 2447 • CABLE LONGCO

RECEIVED
SEP 10 1955

September 7, 1955

Big Hawk Mining Company
Box 725
Spruce Pine
North Carolina

Attention: Mr. Sam W. Thompson

Gentlemen:

Proposed Diamond Core Drilling -
Mitchell County, North Carolina

1. In response to your letters of August 27 and September 2, 1955, we are pleased to submit below proposal for your contemplated diamond drilling in Mitchell County, North Carolina.

2. We understand that this drilling will consist of a minimum of two holes with an average maximum depth of 400 feet, to be drilled at angles from 45 to 60 degrees from the horizontal, with a total minimum footage of 800 feet; that the rock to be drilled is a medium hard slate, overlain with about 80 feet of overburden; that NX cores, approximately 2-1/8" in diameter, are to be recovered; that the drilling site is in a wooded area on about a 20 degree slope; that the site is approximately one-quarter of a mile from a State maintained road, and that a small amount of road making, probably not exceeding $50.00 in cost, will be required; that a sufficient supply of water will be available within 600 feet of the drilling site; and that, depending upon the results from the first two holes, a third hole may be drilled.

3. For this work we propose to furnish one Longyear gasoline-driven diamond core drill of suitable capacity, together with the necessary accessory equipment required to accomplish the work. We will also furnish pipe line or other means of delivering water from the source of supply to the drilling site. We further propose to operate the drill on a single shift basis, six days per week.

4. We will carry public liability insurance covering personal injury and property damage, and Workmen's Compensation insurance, and also, all-risk insurance on the drilling equipment protecting against loss by theft, fire, flood, landslides and other similar hazards.

We will also assume and pay any and all Old Age Benefit, Unemployment and Social Security taxes and contributions imposed by federal or state authorities.

Certificates showing the coverage referred to will be furnished upon request.

5. Based on the conditions as outlined above, we are pleased to quote as follows:

a) Mobilization and demobilization..... $500.00 Lump Sum

b) Overburden Drilling

Angle holes 45° to 60° from the horizontal ..... $ 5.00 per foot

c) Diamond Drilling - 0 to 500 feet in depth

NX-size, recovering core approximately 2-1/8" in diameter ..... $ 5.00 per foot

BX-size, if required, recovering core approximately 1-5/8" in diameter .... $ 4.60 per foot

d) Reaming and Casing - 0 to 500 feet in depth

NX hole to receive NX casing ..... $ 2.50 per foot

e) Cementing, waiting for cement to set and drilling out cement, with cement furnished by us ..... $ 7.00 per hour

f) Delays for your convenience or for which you are responsible ..... $ 7.00 per hour

g) Wooden Core Boxes -

To hold approximately 20 feet of NX core $ 4.00 each

6. Drill cores will be turned over to your representative at each drill hole location in receptacles furnished by you, or by us for your account.

7. Statements covering the work performed will be rendered as promptly as possible after the first of each month and shall become due and payable not later than the twentieth day of the month following date of invoice.

8. We understand it is your expectation to finance this work through a Government loan. The above proposal is based on this assumption, or on other arrangements acceptable to us, for financing the work.

9. We appreciate very much the opportunity to figure on this work. If our proposal is found acceptable we would be in a position to start the work within three weeks after notice to proceed.

Very truly yours,

E. J. LONGYEAR COMPANY

P. W. Donovan

P. W. Donovan for
M. J. Gleason, Manager
Contract Drilling Division

PWD:bal

ACCEPTED:
BIG HAWK MINING COMPANY

By:_____

Date:_____

JOY MANUFACTURING COMPANY
900 WOODLAND AVENUE
MICHIGAN CITY, INDIANA
TELEPHONE 7-7231

EXECUTIVE OFFICES
HENRY W. OLIVER BUILDING
PITTSBURGH 22, PA.

September 7, 1955

RECEIVED
SEP 19 1955

AIR MAIL

Mr. Sam W. Thompson
c/o Big Hawk Mining Company
P. O. Box 725
Spruce Pine, North Carolina

Dear Sir:

In accordance with your request, we wish to set forth below the terms and conditions under which we are prepared to undertake a minimum of 800 ft. of drilling near Bakersville, Mitchell County, North Carolina.

On the condition that you will guarantee us a minimum of 800 ft. of drilling, we will undertake this work at a price of $5.00 per ft. for drilling with "NX" fittings and which will produce 2 1/8" diameter cores. The price for drilling with "BX" fittings which will produce 1 5/8" diameter cores will be at the rate of $4.50 per ft., and the price for drilling with "AX" fittings which will produce 1 1/8" diameter cores will be at the rate of $4.25 per ft. These prices apply to holes not to exceed a depth of 400 ft.

If it is your desire to save cores of the drilling, then it will be necessary to furnish proper containers for same.

We will arrange to pump water for drilling purposes, which we understand will be not more than 600 ft. from the drill holes.

We will furnish for this proposed drilling one of our modern gasoline driven core drills complete with operating equipment and will conduct the drilling operations on the basis of 1 8-hour shift per day, and six days per week. We can start the work within two weeks after receipt of acceptance and notice to proceed with the drilling.

Yours very truly,
JOY MANUFACTURING COMPANY

W. J. Pilarski, Mgr.
Contract Drill Division

WJP/et

FRANK W. PHILLIPS, Pres. CLING W. ELLIS, Vice Pres. SAM W. THOMPSON, Sec'y-Treas.

MITCHELL LUMBER COMPANY
INCORPORATED

SPRUCE PINE, N. C.

RECEIVED
SEP 1 9 1955

September 1, 1955

Big Hawk Mining Co.
P. O. Box 725
Spruce Pine, N. C.

Dear Sirs:

In replying to your request for a bid on core drilling at the Big Hawk Mine which is to have a minimum footage of 800ft., we wish to quote you a price of $5.20 per foot. This is to cover your entire cost for producing and boxing a 2 1/8" diameter core.

Yours very truly,

Frank W Phillips

Frank W. Phillips, President

RECEIVED
SEP 15 1955
U. S. Geological Survey
Geologic Division
Knoxville, Tenn.

Docket File
Surname:
Anderson
Houk
Matteudorf

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

AUG 31 1955

Mr. Frank W. Phillips
Hawk Mining Company
Spruce Pine, North Carolina

Re: Docket No. DMEA-3779 - Mica
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina

Dear Mr. Phillips:

Reference is made to the subject application for exploration assistance.

Please be informed that the following information is needed, which it is requested you submit to Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region V, Room 13, Post Office Building, Knoxville 2, Tennessee.

1. Copies of the 3 bids for diamond drilling on the subject property.

2. Place the bounding owners names on the enclosed map.

3. Forward the copies of the Owner's Consent to Lien as soon as available.

As soon as the requested information is received, your application will receive further consideration.

Sincerely yours,

SIGNED

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

Enclosure

WCAnderson:pk 8/31/55
Copy to: Admr. R. File
Docket
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Anderson

R.C.B.

George C. Selfridge

RECEIVED

AUG 19 1955

NOR 299 BUR OF MINES NORRIS TENN 8-19-55 MSG NO 24 6970.3 945 AM

GEORGE C SELFRIDGE
CHAIRMN CHAIRMAN DMEA

REFERENCE YOUR TELEGRAM OF AUGUST 15. DMEA HAWK MINING COMPANY REQUESTED TO FURNISH COPIES OF DRILLING BIDS. BID PRICES INCLUDE SITE PREPARATION AND ALL COST. WE PREFER MITCHELL LUMBER COMPANY BID OF $5.20.

V J LYNCH

Norris, Tenn.

AUG 19 11 03 AM '55
BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.

Docket Copy
Surname:
Anderson
J L Kuenzer
Selfridge
Mattendorf

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

AUG 18 1955

Anderson L-2974
Room 4451

Interior
Defense Minerals Exploration
Administration
14X4401(01) Revolving Fund,
Defense Production Act,
Interior (Allocated Working Fund to the
Office of the Sec.)

TELETYPE

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

Reurmemo August 15, DMEA-3779, Hawk Mining Company, request Operator furnish copies of drilling bids. Do unit bid prices include drill site preparation and all costs, which bid do you recommend?

George C. Selfridge
George C. Selfridge, Chairman, (SHB)
Operating Committee, DMEA

WCAnderson:gad 8/18/55
Copy to: Admr. R. File
Docket
Operating Committee
Confirmation - Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Anderson

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

August 15, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville

Subject: Competitive bids for core drilling, DMEA-3779, (mica) Hawk Mine, Mitchell County, N. C.

Attached are four (4) copies of a letter received from one of the applicants of the subject application concerning competitive bids for core drilling. Refer to memorandum, this office, dated July 28, 1955, concerning one of these bids.

V. J. Lynch

V. J. Lynch, Acting
Executive Officer, DMEA
Field Team, Region V

D. H. Amos

D. H. Amos, Geologist
U. S. Geological Survey

RECEIVED
AUG 17 1955

Spruce Pine, N. C.

August 12, 1955

Defense Minerals Exploration Adm.

Room 13 Post Office Bldg.

Knoxville, Tenn.

Re: Docket NO. DMEA-3779 - Mica

Dear Sirs:

We have secured three bids for core drilling for 800 ft. min. to 1200 ft. max. of 2 1/8 in. core at the Big Hawk Mine. These bids have ranged from $6.00 down to $5.20 per ft., Mitchell Lumber Co., of Spruce Pine, N.C. having quoted bid for $5.20.

Yours very truly,

Frank W Phillips

partner Big Hawk Mine

RECEIVED
AUG 17 1955

RECEIVED
AUG 15 1955
U. ... vey
Geologic Division
Knoxville, Tenn.

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

RECEIVED
JUL 29 1955

July 28, 1955

Memorandum

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

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

Subject: DMEA-3779 (mica)
Hawk Mining Company
Hawk Mine, Mitchell County, North Carolina

Reference: Mr. Anderson's phone call, July 27

Mr. Teague saw the applicants in Spruce Pine this week and reminded them again that we need three bids on diamond drilling in order to complete a contract. They promised to provide this information. They have had one verbal bid of $5.50 per foot for NX drilling, by R. M. Collins of Copperhill, Tennessee. Mr. Collins was the driller at the Sinkhole, Self, and other mines which were drilled under DMEA contracts.

The $18 per hour estimate for rental of a D-8 or equivalent bulldozer is the actual current rate in the Spruce Pine district. Mitchell Lumber Company owns a D-8, and gets that price for its rental. Figures of $14 and $15 per hour, given in reports on applications in other districts are based on unverified estimates of the applicants. We think $18 should be allowed on the Hawk contract. This figure does not include a mileage charge to and from the job which the applicant apparently is willing to bear on their own account.

We prefer a unit-cost contract rather than the long-form actual cost contract. We are sure the former will result in less cost to the Government.

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

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

July 27, 1955

Mr. W. C. Anderson calling Mr. R. A. Laurence, Knoxville, Tenn.

Re: Docket No. DMEA-3779 - Mica
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina

Mr. Anderson: We are waiting for the bids on drilling.

Mr. Laurence: We may get some information when the men get back Monday (Teague and Shirley). The Operator had contacted only one company.

Mr. Anderson: Mr. Lynch and I were discussing this prospect and whether we should write an actual cost or a unit cost contract. Which would you prefer?

Mr. Laurence: I would prefer a unit cost contract. It is cheaper in the long run. These guys if they sign a unit cost and agree to do it for so much a foot they will go ahead but if on an actual cost they will come back and want more money. If on the unit cost then if they are slowed down they bear the expense. One example is Hensley. He has been dragging along for two years. I would rather see it on a unit cost.

Mr. Anderson: The bulldozing cost in the report cites $18.50 per hour.

Mr. Laurence: That is what the boys say the rental is.

Mr. Anderson: They put $14 a ~~foot~~ hour on D-8 on Mr. Hopkins docket No. 3543.

Mr. Laurence: That is down in a different district.

Mr. Anderson: We have nothing except one $18.50 for a D-8. What do you think of allowing $15 an hour for D-8?

Mr. Laurence: The boys - Teague and Shirley - say $18 is what they cost to rent.

Mr. Anderson: Maybe you could give us more detail on that.

Mr. Laurence: Ok.

Copy to: Docket File
Division File

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

RECEIVED
JUL 25 1955

July 21, 1955

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-3779 (mica) Hawk Mining Company, Hawk Mine, Mitchell County, North Carolina

Reference is made to questions brough up in Mr. Anderson's telehone call on July 13, 1955 to V. J. Lynch on the subject application.

Headframe:

To date there have been four mica projects in the Southeastern States on which the Government has contributed toward the cost of a rigid headframe. On two of these projects the actual costs of installing the headframe were obtained. They are as follows:

Liberty Mine - DMEA-2595, Idm-E472

Labor on poles, cutting, peeling, dragging	$27.90
2 - kegs mails @ $10	20.00
28 clamps, 375 ft. @ $.25	7.00
Guy cables, 375 ft. @ $.03	10.25
2 x 6, 2 x 8, 2 x 4 and 1" lumber, 1925 ft @ $50.00	96.25
2, 7 x 9 cross ties @ $1.10	2.20
2, 10" x 10" x 16', 266 ft. @ $90.00	23.94
Bolts	3.60
Turn buckle	2.25
Sheave and freight on same	77.82
Building and erecting, labor	803.84
Insurance	80.31
	$1,165.36

Sinkhole - DMEA-2379, Idm-E364

Hardware---including, sheve, bearings, bolts, washers, hinge, mails and locks	178.00
Lumber---	487.31
Labor---	390.69
Total	$1,056.00

The cost of errecting a rigid headframe at the Hawk Mine is estimated to be approximately the same as the one at the Sinkhole Mine. In the case of the Sinkhole mine the approved cost in the contract was $555.55. This figure is recommended for the Hawk Mine.

Shaft Timbering: In the Hawk Mine it is estimated that approximately 150 feet of the shaft will require timbering. Standard shaft sets, with hoisting compartment and manway, is recommended. The timbering will consist of 8" x 8" wall plates, end plates and posts with a 6" x 6" center plates. The shaft is to be lagged on 4 sides and partition between hoisting compartment and manway. This will require approximately 26 sets or 13,800 b. f. of lumber.

Where timbering is not required 8" x 8" stulls, at 8 foot centers are to be set to carry the guides and partition. This will require, including guides, ladders, etc., approximately 6,200 b. f. of lumber. For the entire shaft a total of approximately 20,000 b.f. of lumber will be required.

At $65 for 1000 b.f. the cost of timbering, excluding labor will be about $1,300.00.

To install this timber, it is estimated that labor, nails, tools, etc., will cost approximately $600; therefore, the total cost of timbering for the proposed 300-foot shaft is estimated at $1,900.00.

Mining Equipment: On most jobs in the Spruce Pine District, mining equipment is rented. This is especially true at the beginning of a project. After the project has advanced to the stage that sufficient data are available to indicate the presence of a mineable deposit, the Operator may purchase mining equipment on a rental-purchase plan. In the case of the Hawk Mine, mining equipment will probably be purchased. ? where

Bulldozer Cost: The cost of bulldozing as indicated in the Field Examination Report is the prevailing rate for the large machines in the Spruce Pine District.

Summary: The applicant was requrested to supply bids for core drilling the property. To date no bids have been received in this office. The next visit the examiners make to the area the applicant will be reminded of the need for this information. Costs given in the examination report for bulldozing, headframe, toolhouse, and magazines appear to be reasonable. A breakdown on the cost of shaft sinking and drifting are given as follows:

Sink 300-foot, 5' x 7', 2-compartment shaft, timbered where necessary, and containing guides (300 shifts)

Labor:

Labor:		
1 - Miner @ $1.50/hr.	$3,600.00	
1 - Hoistman @ $1.25/hr.	3,000.00	
2 - Laborers @ $1.00/hr.	4,800.00	11,400
Equipment (depreciation)		
210 cu. ft. compressor	1,625.00	
Hoist	200.00	
Supplies and expendable equipment:		Depreciation
Pump	500.00	— 170.00
Drill	375.00	— 125.00
Timber	1,300.00	
Explosives	1,000.00	
Gasoline, oil, and electricity	600.00	
Drill steel	500.00	
Ventilation system	500.00	
Small tools and pipe	500.00	
Miscellaneous and repairs	729.00	
Compensation Insurance	1,140.00	5129.00
Unemployment Ins. and Social Sec.	456.00	
Sales tax	175.00	
		$21,000.00
		$70.00

Drive 200 feet of drift (100 shifts)

Labor:		
1 - Miner @ $1.50/hr.	1,200.00	
1 - Hoistman @ $1.25/hr.	1,000.00	
2 - Laborers @ $1.00/hr.	1,600.00	3800
Equipment (depreciation)		
210 cu. ft. Compressor	540.00	
Hoist	70.00	
Supplies:		Depreciation
Jackleg	190.00	— 16.00
Explosives	600.00	
Drill steel	250.00	
Gasoline, oil, and electricity	350.00	
Air and ventilation lines	200.00	
Small tools	200.00	
Miscellaneous	220.00	1820.00
Compensation Insurance	380.00	
Unemployment Ins. & Social Sec.	150.00	
Sales Tax	50.00	$7,000.00
		$35/ft.

Robert A. Laurence

Robert A. Laurence

EXECUTIVE OFFICER
DMEA REGION V

V. J. Lynch

V. J. Lynch, Member
Bureau of Mines

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

July 14, 1955

Memorandum

To: File

From: Walter C. Anderson, Mining Engineer
Nonmetallic Minerals Division

Subject: Docket No. DMEA-3823 - Mica
Hawk Mining Company
Hawk Mine
Yancey County, North Carolina

I telephoned Mr. V. J. Lynch, Bureau of Mines member of DMEA Field Team, Region V, to discuss a proposed contract for exploration at the subject property on July 14, 1955.

Anderson: I have before me the Field Team Report, recommending a contract, close to $37,000, and your memorandum of July 6. We agree it would not be practicable to rehabilitate the caved adit and winze. If we should write a contract in accordance with recommendation, more information is needed. In our letter we sent some sketches showing suggested location of drill holes deeper and further to the south than suggested by the Field Team. Do you agree?

Lynch: We do.

Anderson: It is our opinion that this should be a long ~~term~~ form contract.

Lynch: Well, It is a lot more work for us, but if you want it that way, I suppose it will be all right.

Anderson: Of course, we need a breakdown of the estimated cost, for the headframe, shaft, and drifts. $550 allowable maximum for headframe?

Lynch: $550 for the head frame.

Anderson: We would like information on the headframe.

Lynch: What you want is details on the headframe.

Anderson: Yes, and on the equipment, as the hoist, compressor, pumps, etc., whether applicant owns or will rent the equipment. 300 foot shaft will be timbered, regular sets, I suppose.

Lynch: I think most of it will be timbered with regular sets because of the way the ground is around here.

Anderson: We would like details on the timbering, size of timber, spacing of sets, guides, etc. Also on the drifting, method of tramming, and equipment and supplies necessary for all the work. These details will be helpful to us.

Lynch: We will have this ready for you next week.

Anderson: Fine. We will need bids for drilling from 3 drilling companies on the basis of 800 to 1,200 feet of holes.

Lynch: Yes.

Anderson: We think $18.50 per hour is high for D-8 bulldozer. The Bureau of Mines says they pay no higher than $15 and as low as $12.

Lynch: There must be some reason for it.

Anderson: May we have your comments on justification for the higher rental?

Lynch: Yes. I will be in the field the remainder of the week. We will get the information back to you sometime next week.

Anderson: Good. It will help us a lot. I think we have covered everything.

Lynch: We will give you the breakdown of estimated costs and details of th work in accordance with the long form contract setup.

Walter C. Anderson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1550 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
JUL - 8 1955

July 6, 1955

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-3779 (mica) Hawk Mining Co., Hawk Mine, Mitchell Co., N. C.

Reference is made to your letter of June 23, on the subject application.

On June 28, 1955 the Applicants were contacted by Mr. Teague and the proposal as set forth in the subject letter was discussed with them. They are in agreement with the idea of drilling additional holes to explore the deposit at depth; however, they question the wisdom of trying to rehabilitate the caved adit and winzing from it.

Past experience in reconditioning caved adits in weathered ground has proved expensive, as evidenced by our experience with the Swannanoa (DMEA-2375) and Burke John (DMEA-2277) projects. In each case where the ground was very heavy, cost ran extremely high. At the Burke-john where approximately 50 feet of adit was completely caved, it is estimated that reconditioning that part of the adit cost $60.00 per foot. At the Swannanoa the first 120 feet of adit reconditioning cost about $40.00 per foot.

One of the applicants, George Reid, estimates that 300 feet of the Hawk Mine adit is caved. This adit has caved and been reconditioned twice, with each reconditioning becoming more difficult. It is impossible to arrive at an accurate estimate for this reconditioning; however, ground conditions probably will be similar to the Burke-John as rock types and degree of weathering are similar. It is estimated that reconditioning may be accomplished for $50 per foot including installation of track, air, and ventilation lines. T o recondition the entire adit back to the old winze station, it is estimated that the total cost will be approximately $16,000.00. Break-down of these costs is as follows:

Complete rehabilitation of first 300 feet @ $50/ft. $15,000.00

Installation of track, air, and ventilation lines in remaining 200 feet of adit @ $5.00/ft. 1,000.00

The Field Team believes that the cost of sinking a new shaft as outlined in the examination report is the more economical approach, especially as it seems possible to lower the ground surface as much as 60 feet by open cut methods, thus requiring only 75 feet of shaft to get to the level of the old winze station. The estimated cost of the bulldozing and new shaft to get to this level is approximately $4,500.00.

It is not clear from the Operating Committee's letter of June 23, 1955 whether the intent is to sink a new winze or to re-condition the old one. If a new one is sunk it will cost approximately $8.00 per foot more to sink from the re-conditioned adit as compared to a new shaft from the surface as two additional trammers will be needed. No information is available as to the cost of reconditioning the old winze. Fact is, it may or may not be in a condition where it can be reconditioned. If it can be safely reconditioned the cost will be at least $20.00 per foot. Furthermore, as the pegmatite body apparently rakes to the southwest, a drift will have to be driven for at least 100 feet to the southwest to get to the target area.

The Field Team and the Applicants concur in the Operating Committee's suggestion for Stage I and II; but believe that it is impracticable to recondition the caved adit.

Robert A. Laurence

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

V. J. Lynch

V. J. Lynch, Member
U. S. Bureau of Mines

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY
WASHINGTON 25, D. C.

RECEIVED
JUN 28 1955

June 28, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA - 3779 (mica)

Applicant: Phillips, Reid, Wilson and Buchanan

Name and Location of Property: Hawk Mine
Hawk, Mitchell County, North Carolina

Date of Field Team Report: June 8, 1955

Date Rec'd by Br. of Ceramic & Fertilizer Materials: June 17, 1955

Field Team Recommendation: Two-stage exploration program:
First-stage $7,200
Second-stage 29,475

Comments:

1. Possibility of obtaining strategic mica is encouraging.

2. Proposed exploration is consistent with good engineering practices.

Recommendation:

I concur with the field team's recommendation for a two-stage exploration project in the amount of $36,788.00

W. F. Dietrich

W. F. Dietrich

Docket Copy
Surname:
Anderson
Houk
Selfridge
Fitzsimons
Mitchell

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

JUN 23 1955

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

Subject: Docket No. DMEA-3779 - Mica
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina

Dear Mr. Laurence:

Reference is made to the Field Examination Report and to your recommendations on the subject application.

A study of the map submitted with the application indicates that the pegmatite appears to be narrowing and pinching out on and below the fourth level. This does not rule out the possibility that the pegmatite may swell again down dip along the rake. A program of $36,788.00 hardly seems justified at this time. Please secure the applicant's reaction to, and make your recommendations on, a program of three diamond drill holes indicated on the enclosed maps and sketches as a first stage. Then, if warranted, the second stage may consist of two or three holes at least 60 feet below the first line of holes. These latter holes are not indicated on the maps as their locations will be contingent on the results of the first stage holes.

Please include in your cost estimate the detailed figures on rehabilitating the main adit and winzing downward from it as a third stage.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (WB)

Approved:

J. H. Hedges (WB)
Member, Bureau of Mines

Thor H. Kiilsgaard (WB)
Member, Geological Survey

Enclosures 4

WCAnderson:gad 6/21/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5222
Mr. Houk

R.G.

600

JUN 23 1955

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

Re: Docket No. DMA-3739
J. R. Bean
Bennett Mine
Cherokee County, Georgia

Dear Mr. Laurence:

Reference is made to the report of field examination of May 24, 1955 on the subject property.

Under the estimated cost of the project, attention is called to the item of "Insurance and Social Security." In the case of shaft sinking the item amounts to 13.1 per cent of the labor cost, while in the case of drifting it amounts to 5.[illegible] per cent. In the interest of information we would appreciate having this item broken down separately to insurance and social security. Social security rates are constant, but we surmise that insurance rates are established according to hazards involved. In the future, please separate these two items.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

WCAnderson:pk 6/16/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5222
Mr. Houk

IN REPLY REFER TO:

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

RECEIVED
JUN 16 1955

June 15, 1955

Re: DMEA-3779
Hawk Mining Co.
Hawk Mine
Mitchell Co., N. C.
$36,788.00 - Mica

Memorandum

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

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of field examination report

The subject of this report has been shown to be a sizable mica mine. To determine whether or not the pegmatite extends to greater depth is worthwhile exploration.

I concur with the 2-stage program recommended.

N. E. Nelson

N. E. Nelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 45, POST OFFICE BLDG.
KNOXVILLE 2, TENN.
June 8, 1955

RECEIVED
JUN 10 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region 5, Knoxville, Tennessee

Subject: Field Examination Report, DMEA-3779 (mica) Hawk Mining Co. Hawk Mine, Mitchell County, North Carolina

Enclosed are four copies of the subject examination report, with six extra copies of the maps, and six copies of the legal description of the property as submitted by the applicant.

This report proposes the largest mica exploration project thus far recommended by this Field Team. However, we agree with the examiners that the past history of this mine and the apparent potential justify the exploration, and we recommend approval of a contract as outlined in this report. The project should be in two stages, with approval of Stage II dependent upon successful results of the drilling.

ON-SITE EXAM.

Robert A. Laurence
Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

V. J. Lynch
V. J. Lynch, Member
U. S. Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE
6-15-55
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

RECEIVED
JUN 10 1955

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT

By

FIELD TEAM, REGION V

On

DME A-3779

DMEA-HAWK MINE (mica), Mitchell County, N. C.

By

K. H. Teague and D. H. Amos, Geologists
U. S. Geological Survey

and

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

June 8, 1955

Reviewed by
DMEA OPERATING COMMITTEE
6-15-55

Reviewed by
DMEA OPERATING COMMITTEE
6-15-55
(date).

FIELD EXAMINATION REPORT
On
DMEA-3779 (mica) HAWK MINE

Applicant: Hawk Mining Company, c/o Frank Phillips, Spruce Pine, N. C.

This is an old mine with a long history of production. The mica is of strategic quality and the mine has been one of the largest producers in the Southeastern States. From available reports mica-bearing pegmatite is present in the deepest level worked. None of the existing openings can be used to reopen the mine, thus any attempt to explore the deposit at depth should utilize core drilling as a preliminary stage before more costly work is undertaken. The examiners believe the deposit has possibilities for the discovery of significant reserves of strategic mica. Exploration assistance is recommended, to be conducted in stages.

The deposit was visited twice recently, and numerous conferences have been held with the applicants. It was visited on May 5 and 18, 1955. All of the applicants, Frank Phillips, George Reid, Jonny Wilson and Okley Buchanan, were present at the various conferences. A total of six hours have been spent on this examination.

The Hawk Mine is one mile northeast of the Hawk Post Office, Mitchell County, North Carolina. It is near the head of Cane Creek and is only a few hundred feet from an all-weather graveled road. All of the applicants are capable of conducting the proposed work. The property boundaries have been resurveyed (calls and plat attached) and the area included in the lease is adequate for the proposed work.

? present surface

There are no facilities on the property; however, a single phase power line is nearby. All workings are inaccessible. The adit is caved, and Mr. Reid (one of the applicants) estimates that approximately 300 feet from the portal is caved. During the past two years the applicants have spent in excess of $8,000 cutting a deep trench (approx. 100 feet deep) along the strike of the pegmatite. They have recovered mica from muck filled stopes and pillars; and report the work was profitable. This work has destroyed all evidence of previous surface openings, with the exception of the adit whose portal is caved. Most of the underground workings are shown on the attached maps. After these maps were prepared, work was continued. Mr. Reid reports that the deepest workings are 230 feet (measured on incline) below the level of the long access adit. Length or position of these deepest openings are not known.

Much of the following information is quoted from a U. S. G. S. manuscript report prepared by J. C. Olson, January 1943.

" The dominant country rock in the immediate vicinity of the Hawk Mine, as shown on the geologic map, is hornblende gneiss. The hornblende gneiss in turn contains thinner interlayers of mica gneiss commonly a foot or two thick. The principal mica-pegmatite on the Hawk property occurs near the center of the thickest layer of mica gneiss. It seems very likely, as shown by this as well as many other mines in the Spruce Pine district, that in areas underlain dominantly by hornblende gneiss but containing zones or layers of mica gneiss, the best

mica-pegmatites will be found in micaceous wall rocks rather than the hornblendic.

"The strike of the country rock is fairly uniform, but ranges from N. 20° E. in the southern part of the mapped area, to N. 45° E. in the northeast part. The dip is commonly steeply southeast, but northwest dips prevail in the southeast part of the area. The change in dip from steeply south-east to northwest, as shown on the cross-sections, is not evident in the deepest parts of the mine, where the schistose wall rocks at almost all points are parallel with the contact. The attitude of the hornblende gneiss is uniform, but the mica gneiss and schist in a few places are cumpled or strongly folded.

"The lineation of hornblende needles in the country rock almost invariably pitches southward at angles of 35 to 50 degrees, and is cited as evidence indicating a similar pitch of the pegmatite body.

"Small faults are numerous in the tunnels on the east side of the hill, and one fault cuts the pegmatite at the south end of the third level. Near it, the pegmatite is iron-stained, and veinlets of epidote are fairly abundant. The pegmatite was apparently not displaced more than a foot or two, and the principal effect on mining is the severe ruling of the mica near the fault.

"Several parallel pegmatites are shown on the geologic map. They are all of the "pinch and swell" type, having a maximum thickness of about 12 feet, but pinching to less than a foot at some places. They may be more appropriately referred to as several pegmatitic zones, each containing a number of interconnected lenticular bodies of pegmatite. The pegmatites are composed of quartz, soda and potash feldspar, muscovite, and biotite. The principal Hawk pegmatite contains very little potash feldspar or biotite, being rich in soda feldspar (oligoclase), quartz, and muscovite, whereas the other pegmatites in the area mapped, particularly those in hornblendic wall rocks are richer in potash feldspar and biotite. Inasmuch as the pegmatites in hornblendic wall rocks contain less muscovite, the remainder of this report will be focussed on the main Hawk pegmatite.

"The connected pegmatite lenses all occur in about the same plane, and range in thickness from a fraction of an inch to about 12 feet. If less than 5 feet in thickness, wall rock was often removed in mining; whereas 10 to 12 feet thick, relatively barren pegmatite was left in a few places along one wall, generally the hanging wall. At probably all levels of the mine the thickest pegmatite lenses occurred near the southwesternmost stopes, and tended to pinch out rather abruptly at their southwest ends. Northeastward from the part of the mine that contained the thickest lenses, the most and best mica is said to have been found in pegmatite 4 - 6 feet thick. Notes on thicknesses in various parts of the mine are shown on the longitudinal section. Both northeast and southwest of the mine the pegmatite bodies become too thin for mining and the pegmatite zone is recognized by (1) the presence of numerous small pod-like bodies of quartz, feldspar, or pegmatite, mostly less than a foot thick, and (2) alteration of the wall rock, resulting in coarsening of the mica schist and the alteration of hornblende gneiss to coarse glistening biotite schist. Garnet is unusually abundant near the contacts of pegmatite lenses with wall rock, both in the

pegmatite and the walls. The recognition of this alteration zone isuseful in prospecting or development.

"In addition to the minerals already mentioned, the pegmatite contains small amounts of tourmaline, apatite, pyrite and pyrrhotite. Thulite also occurs in the pegmatite and tiny epidote veinlets occur in both pegmatite and wall rock. The only biotite noted in the main pegmatite occurs as tiny flakes in parallel arrangement that appear to be remnants of wall rock included in the pegmatite. Coarser pegmatitic biotite is more abundant in the other parallel bodies shown on the geologic map.

"Sharp changes in dip of the pegmatite body, called "rolls," are common at the Hawk Mine. For the most part, the several lenses of pegmatite tend to occur within the same parting or foliation plane in the wall rock, but in some places two or more lenses in slightly different foliation planes overlap one another in an imbricate arrangement.

"The pegmatite as a whole appears to pitch to the south at an angle of 40-50°. This is indicated by (1) the slope of the bottom of the workings where the pegmatite becomes too thin for mining, (2) the pitch of the lineation in the country rocks, and (3) the fact that many other mica-pegmatites in the Spruce Pine, district pitch southwestward. None of these is proof of a southerly pitch, but together they are strongly suggestive. The part of the mine in which the thickest pegmatite lenses occur also pitches southward, although the angle may be a little steeper than 50°.

"The mica from the Hawk Mine is a clear light rum color of good quality. In a few places the blocks are oriented parallel with the walls, but most of them have random orientation and are not localized in any particular part of the pegmatite lenses. Ruling is a common feature, and is often developed strongly in one direction yeilding long strips of mica. The intensity of ruling increases near faults, such as the one at the southwest end of the third level. The proportion of ruled mica is said to have been lowest in the northeast end of the mine. In May, 1940 the largest block of mica produced at the Hawk in recent years, weighing 860 pounds, was mined from the fourth level, near the footwall of pegmatite 5 feet thick.

"The mine was first opened in 1870 by Buchanan and Buchanan, and between 1870 and 1893 was operated by many parties, often by two concurrently at different ends of the mine. Among the operators during this period were Heap and Clapp, J. C. Green and J. M. Green, J. L. Rorison, Ramsey, Tom Green, and P. H. Abernathy, who did the last of the old work in 1895. The thin, steeply-dipping pegmatite zone was developed by inclined shafts, drifts and stopes along the pegmatite, and numerous adits from the east and west sides of the hill. Most of the first work was done near the Steve Green or Main shaft, in the northeast end of the workings. Two other shafts are said to have been sunk northeast of this, and the Tom Green shaft was sunk southwest of it. As mining became deeper, progressively lower adits were driven from the hillsides east and west of the mine. The lowest, called the Mudcut tunnel, was too short to reach the pegmatite. The old workings are said to have reached a depth of 203 feet, and most of them are now inaccessible with the exception of the main level.

"The mine was idle from 1895 until shortly after the World War, about 1920 to 1921, when the Universal Mica Company sank the Universal or South shaft. At a depth of 120 feet the shaft is reported to have been abondoned because of a property dispute.

"The main adit from the southside of the hill was driven by several parties imtermittendly, and was completed in 1937 by Alfred Smith. From the level of this adit, referred to as the main level, the pegmatite was stoped out up to the bottom of the Universal shaft, and a winze was sunk from drifting and stoping was done in the vicinity of the second, third, and fourth levels. Smith operated the mine about 18 months, following which McKinney and Bruce Morgan operated until its abondonment in October 1942. Their work consisted of (1) drifting northward from the fourth level to stope up under the old Tom Green shaft, (2) reopening the Steve Green shaft and deepening it to the level shown on the longitudinal section, and finally (3) prospecting below the fourth level at 3 places and drifting southwestward from the Smith workings at 3 places.

"The results of this most recent work are noted on the longitudinal section. According to McKinney, the pegmatite pinched to one foot or less in thickness in all 3 holes sunk from the fourth level and in the drifts southwestward from near the fourth, third, and first levels.

"Assuming a southerly pitch of 40-50° for the pegmatite body as a whole, the best possibility for finding more mica-bearing pegmatite, as shown on the longitudinal section, is believed to be in that part of the pegmatite zone southwest of the Smith workings and below the second level. This was tested without success in the fall of 1942 by a 30-foot drift from the fourth level. McKinney reports that some mica was found in that drift, but not enough to defray mining costs at prices prevailing at that time. The pegmatite lens followed, which was probably fairly thick, is said to have pinched out at the end of this drift, and work was abandoned at that point without further search for another pegmatite lens farther southwest. The evidence concerning pitch of the pegmatite body suggests, but does not prove, that more lenses may occur in this part of the pegmatite zone. There is no way of predicting, however, whether or not such lense would contain sufficient mica to be mined profitably at present prices, which are higher than those prevailing when the mine was abondoned."

The applicants' proposed program of exploration has merit. Certainly it would not be wise to undertake to sink a deep shaft expecting to encounter mica-bearing pegmatite without first determining the presence of mica ore. Therefore, the drilling of prelininary exploratory drill holes is logical. Drill hole locations are shown on the attached Geologic Map. All holes should be drilled in a N. 54° W. direction and will be between 350 - 400 feet deep. Hole No. 1, should be at -60° which should interesect the pegmatite zone about 30 - 40 feet below the deepest workings. If results from Hole No. 1 are good, Hole No. 2 should be inclined to cut the pegmatite 30 - 40 feet deeper than Hole No. 1. If Holes Nos. 1 and 2 are good, Hole No. 3 will not be drilled because there will be an indicated length of 200 feet of pegmatite which will be adequate to justify further work. If Holes 1 and 2 contain no pegmatite, no additional work should be undertaken. If Hole 1 is blank and Hole 2 contain pegmatite, Hole 3 should be relocated southwest of Hole 2.

?

Holes spotted ≠ 75' apart

If drilling results are satisfactory, a shaft is recommended to explore the indicated pegmatite. As surface material at this deposit is deeply weathered, a considerable amount of the surface could be removed by stripping (perhaps as much as 60 ft.). A vertical shaft approximately 300 feet should then be sunk and 200 feet of drift driven.

Estimated Cost:

Stage I

Three drill holes (NX), each approximately 400 ft. deep.
1200 feet @ $6/ft. $7,200.00

The applicant has been requested to secure bids from at least three drilling companies, based on 800 to 1200 feet of drilling. As soon as this information is received, it will be forwarded to Washington.

Stage II

Toolhouse		75.00
Powder Magazine		25.00
Exploder "		13.00
Lower ground surface for shaft site -		
Bulldozer (D-8 or equiv.) 50 hrs. @ $18.50/hr.	$925.00	
Shaft headframe	550.00	
300 feet of 5' x 7', 2-compartment shaft, timbered where necessary and containing guides @ $70/ft.	21,000.00	
200 feet of drift @ $35/ft.	7,000.00	$29,475.00
Estimated total cost of Stages I and II.		$36,788.00

June 8, 1955

K. H. Teague and D. H. Amos, Geologists
U. S. Geological Survey

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

z

Docket Copy
Surname:
Anderson
Houk
Martin
F.C. Johnson

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

MAY 10 1955

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

Subject: Docket No. DMEA-3779 - Mica
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina

Dear Mr. Laurence:

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

Copies of memoranda from E. L. Newcomb of the Geological Survey, dated April 25, 1955, and from Donald R. Irving of the Bureau of Mines, dated April 27, 1955, are enclosed for your information.

Sincerely yours,

W. S. Martin
ACTING Chairman, Operating Committee (SHB)

Approved:

/s/ C. N. Johnson (SHB)
Member, Bureau of Mines

/s/ R. D. Trace (SHB)
Member, Geological Survey

Enclosures 4

WCAnderson:gad 5/6/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

R.C.S.

Docket Copy
Surname:
Anderson
Houk
Johnson
Trow
Hamlin

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

MAY 1 0 1955

Mr. Frank W. Phillips
Hawk Mining Company
Sprace Pine, North Carolina

Re: Docket No. DMEA-3779 - Mica
Hawk Mining Company
Hawk Mine
Mitchell County, North Carolina

Dear Mr. Phillips:

Your application for assistance in exploring the subject property has been reviewed by the Nonmetallic Minerals Division of the Defense Minerals Exploration Administration and has been referred to Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region V, Room 13, Post Office Building, Knoxville 2, Tennessee, for further consideration and possibly a field examination.

Please be advised that the land description given on the attachment to your letter of April 26, 1955, is inadequate as it contains several omissions. These omissions make it impossible to plot the boundaries of your property. ~~Possibly the description could have been miscopied from the Mitchell County Registry~~. However, it is not our intention to request a survey of your land unless a contract is recommended, in which case it will be necessary to have an adequate legal description. WSG

The Regional Office will contact you at an early date if an examination is to be made. Any assistance that you may give the members of the field team during the examination will be appreciated.

Sincerely yours,

Frank E. Johnson

ACTING Administrator

WCAnderson:gad 5/6/55
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

R.C.G.

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

April 27, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Donald R. Irving, Acting for
Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3779 (mica)

Applicant: Phillips, Reid, & Wilson

Name and Location of Property: Hawk Mine
Mitchell County, North Carolina

Date Application Rec'd. by Br. of Ceram. & Fert. Mat.: April 19, 1955

Comments:

1. Mica from the Hawk Mine has been purchased by GSA on said dates (SP - ruby, SPO - nonruby) as shown on the attached sheet.

2. It is difficult to appraise this application due to lack of data. Certain parts of the proposed plan are questionable, such as drilling.

3. Although it would be desirable for the applicant to furnish more complete information, it appears that a visit by an examiner would furnish more useful data.

Recommendation:

It is recommended that the field team visit this mine when in that vicinity to ascertain if an exploration project is justified. If so, the field team and applicant should agree on a definite plan of exploration on a unit-cost basis.

Donald R. Irving

Donald R. Irving

Mica Sold to GSA from Hawk Mine (DMEA-3779)

Lot Ticket	Date	Quality Purchased (in pounds)		
		Good Stained or Better	Stained	Heavy Stained
SP-580	1/30/53	28.72	42.30	15.70
SPO-6	10/15/53	36.76	18.37	2.30
SPO-28	10/27/53	18.69	8.94	1.55
SPO-40	11/4/53	46.51	31.08	3.08
SPO-54	11/12/53	11.90	12.72	3.25
SPO-323	3/31/54	45.33	28.73	0.12
SPO-340	4/8/54	57.12	48.36	8.33
SPO-353	4/14/54	11.01	14.01	1.04

DMEA 3779

FRANK W. PHILLIPS
INGALLS, N. C.

April 26, 1955

Administration
RECEIVED
APR 27 1955

Mr. Lawrence G. Houk
Non metallic Minerals Division
Defense Minerals Exploration Adm.
Washington, D. C.

Dear Mr. Houk:

I am enclosing the information you requested in your letter of April 22nd. The Hawk Mine, as well as other large producing mines in this area, has been in the courts a number of times. However, the owners from whom we obtained the lease did win in the final decision.

I have tried to explore, or open a number of mines since this program began, and have asked for Government support on very few of them. These have been the mines I could not finance on my own or through our local banks. I certainly appreciate what you did for us on the Sink Hole Mine and want to commend your good judgement about this mine. All those things you proposed or outlined for us to do certainly worked. Even though we have not made a "take-Home" profit, we have paid for our eguipment and I think there is enough mica in the depot to finish paying the $17,500, the purchase price for the two tracts of mineral and land we bought from the Ella Clapp Thompson estate and Mrs. Ruth Rannells. I have heard that you remarked that you thought the old Sink Hole Mine was the best bet in the United States. I am pleased to tell you from the best information I have obtained that the Sink Hole had produced the most dollars worth of good mica sold to G S A. under this program.

I did a lot of bulldozing for the men who tried to open th Hawk Mine after the program started. We found enough mica left in the ribs, legs, lofts and muck to pay our expenses. Now we are at a depth that makes this type of operation dangerous. One of my partners, George Reid, worked here fourteen years and was still working when Colonial stopped buying.

FRANK W. PHILLIPS
INGALLS, N. C.

The Hawk was worked very much like the Sink Hole and left in about the same condition. I think we need to copy the Sink Hole operations. Any immediate help you can give us on this will be greatly appreciated, and we will put all our efforts into it and try to pay back "Uncle".

I don't have anything to offer to try to bribe you, -- all I can promise is an open gate to a baseball game.

Very Sincerely yours,

Frank W Phillips

Bill Masters
MITCHELL COUNTY REGISTER OF DEEDS
Bakersville, North Carolina

Defense Minerals Administration
RECEIVED
APR 27 1955

BEGINNING on a walnut stump and concrete post on the North bank of the public road, and runs North 54° West 503 feet to a big stake at holeing ground, an old corner; thence South 87° East to a concrete post on the bank of Spring Creek; thence down and with Spring Creek to a white walnut on the West bank of Spring Creek, the Bob Buchanan corner; thence South 35 East 18½ poles to a white oak; thence South 50° East 11 poles and 10 links to a stake; thence South 72° East 7 poles and 10 links to a double chestnut; thence North 81° East 12 poles to a chestnut; thence North 69° East 17 poles to a stake in the public road; thence with said road to the beginning corner containing 11 acres, more or less.

I, Bill Masters, Register of Deeds of Mitchell County, North Carolina do hereby certify that this is a true and correct copy of the calls of deed recorded in Book No. 66, page 323 of the Hawk Mines, Mitchell County Registry.

Also certify that lease on same made to Frank W. Phillips, John E. Wilson and George Reid is recorded in Book No. 14, page 451, Mitchell County registry.

This the 25th day of April, 1955.

Bill Masters
Register of Deeds

Anderson

IN REPLY REFER TO:

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

April 25, 1955

Re: DMEA-3779
F. W. Phillips
(Hawk Mine)
Mitchell Co., N. C.
$38,500 - Mica

Memorandum

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

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

Subject: Review of application

The operator has proposed a three-stage project which will consist of 1500 feet of core drilling, 360 feet of shaft sinking and 400 feet of drifting.

The application material is inadequate to fairly appraise the exploration possibilities of the Hawk mine.

Our files contain a report on a Hawk mine, which is probably the Hawk property described in the application. Up to 1942, the Hawk mine production may have been valued in excess of $150,000.

The main mica-bearing pegmatite occurs in a thick layer of mica gneiss which in turn is enclosed by hornblende gneiss country rock. The dip of the rocks is dominantly southeastward and lineation of hornblende in gneiss pitches 30 to 50 degrees southward. The pegmatite may very well have a similar pitch. The productive pegmatite zone "pinches and swells" from a maximum thickness of 12 feet to less than a foot. The deposits are essentially a series of connected lenses which pinch out abruptly to the southwest. Mica in the Hawk mine is clear, light rum and of good quality. The mica books are randomly oriented and are not localized in a particular part of the pegmatite lenses.

The old workings consist of inclined shafts, drifts, adits and stopes along the main pegmatite. It is reported the workings have reached a depth of 203 feet, but most of them are inaccessible.

Further exploration may be warranted to the southwest, but the depth of the necessary exploration and the speculative nature of the work may be a strong deterrent to Government assistance.

I recommend this application be referred to the Field Team for their review and recommendation. Their files should have rather complete data on the Hawk mine.

E. L. Newcomb

E. L. Newcomb

Docket Copy
Surname:
Anderson
Houk

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

APR 22 1955

Hawk Mining Co.
C/o Mr. Frank W. Phillips
Spruce Pine, North Carolina

Re: Docket No. DMEA-3779 - Mica
Hawk Mining Co.
Hawk Mine
Mitchell County, North Carolina

Gentlemen:

Your application for exploration assistance at the subject property has been reviewed, and we find that the land description given in the lease is inadequate.

Please furnish this office with an adequate land description. This should be a legal description that gives the bearings and distances of the lines which enclose the property to be explored. The property must be referenced to a permanent and identifiable landmark, natural or artificial, as the center of a shaft, adit, building, benchmark, etc. Please indicate the book number and page in which the deed is registered in the office of the County Register of Deeds.

Sincerely yours,

SIGNED
Lawrence G. Houk, Chief
Nonmetallic Minerals Division

WCAnderson:gad 4/22/55
Copy to: Admr. R. File
Docket
Field Team, Region V
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5222
Mr. Houk

April 19, 1955
Subject: DMEA 3779
Re: Exploration Assistance
Hawk Mine

Hawk Mining Co.
C/o Mr. Frank W. Phillips
Spruce Pine, North Carolina

Gentlemen:

The receipt of your application dated April 12, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA 3779 and referred to the Nonmetallic Minerals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

60932

April 19, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region V

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

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

DMEA-3779 dba Hawk Mining Co. (Frank W. Phillips, George Reid, Johnny Wilson)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1025, POST OFFICE BLDG.
KNOXVILLE 2, TENN.

April 14, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, D. M. E. A. - Region 5, Knoxville

Subject: Application from Frank Phillips, Geo. Reid, Johnny Wilson
Hawk Mine, Mitchell County, N. C.

Enclosed are three copies of the subject application and a copy of the lease, received in this office today. We have written the Operator requesting the Owner's Consent to Lien, but as there are 14 co-owners scattered over four states, it may take a while to get them.

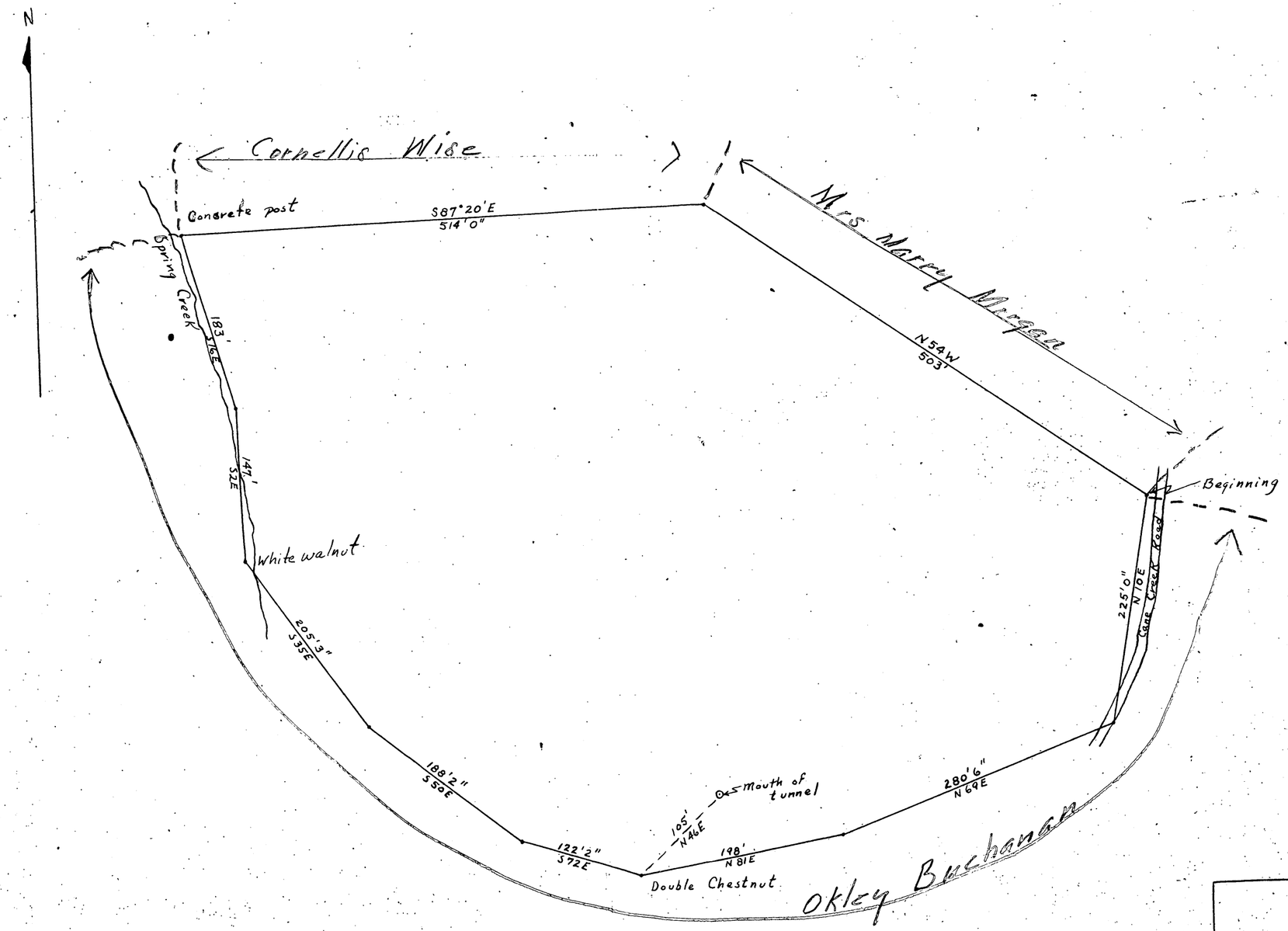
If a contract is eventually approved, it appears that this might be a good one to put on an actual-cost basis. Note that the applicant proposes to contribute his share through use of his equipment and labor. We understand that Frank Phillips intends to buy a core drill, which would be used on this job.

We assume it was an oversight in copying, but there is no indication on this copy of the lease that the Applicants signed the lease.

The fourth copy of the application is being kept for our files.

Robert A. Laurence
Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

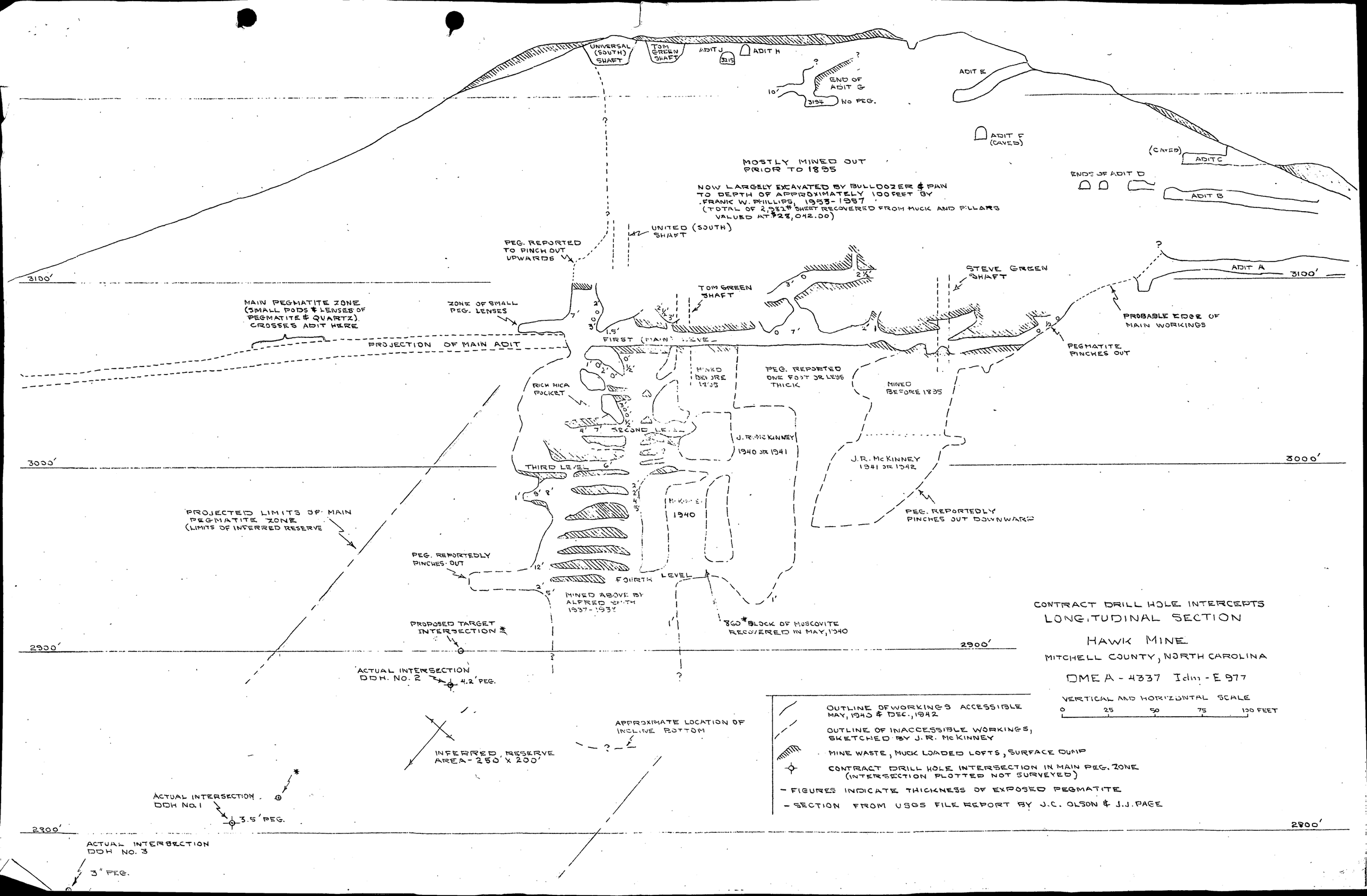
V. J. Lynch
V. J. Lynch, Mining Engineer
Member, DMEA Field Team
U. S. Bureau of Mines

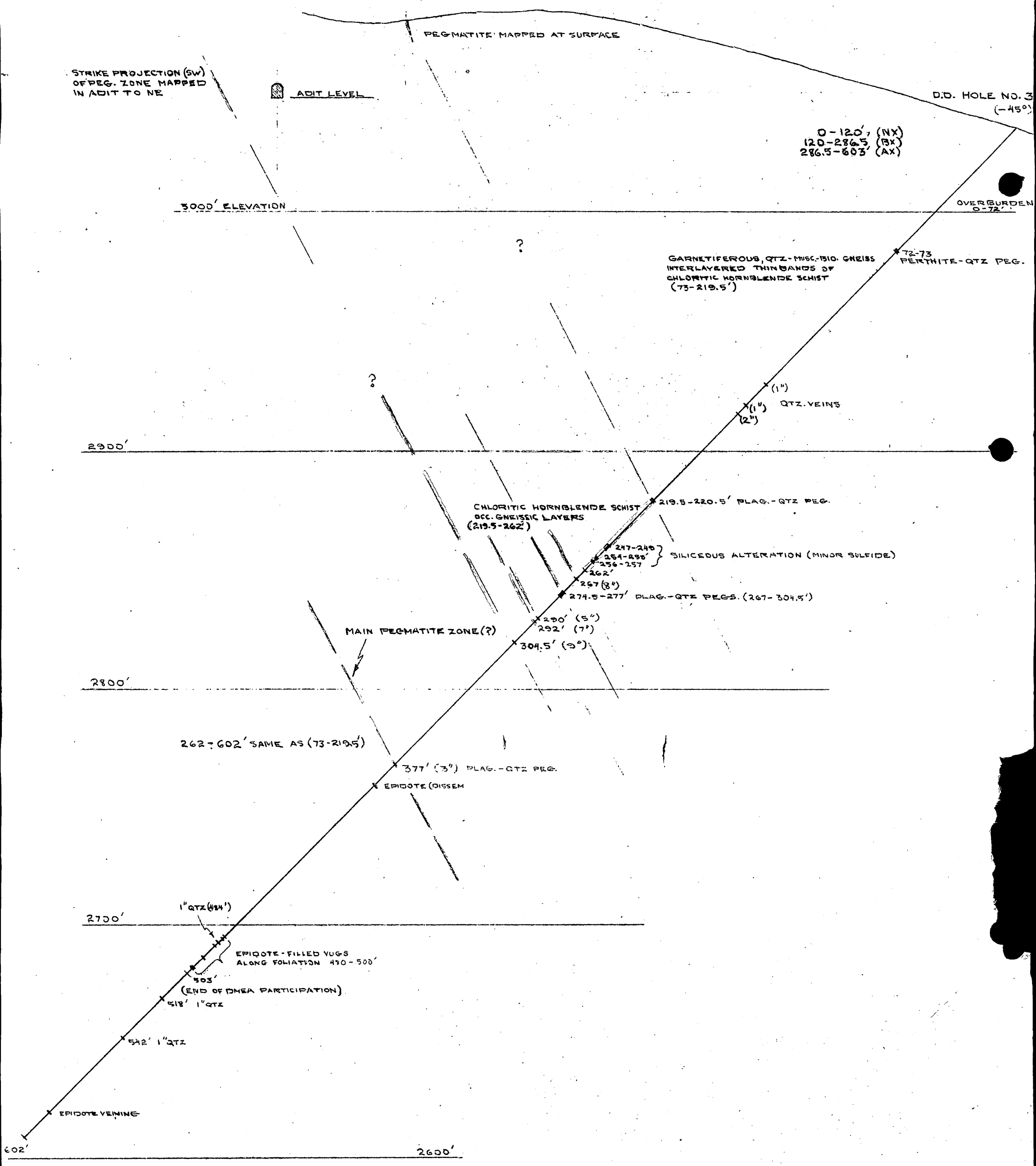


HAWK MINE

SCALE = 1:100

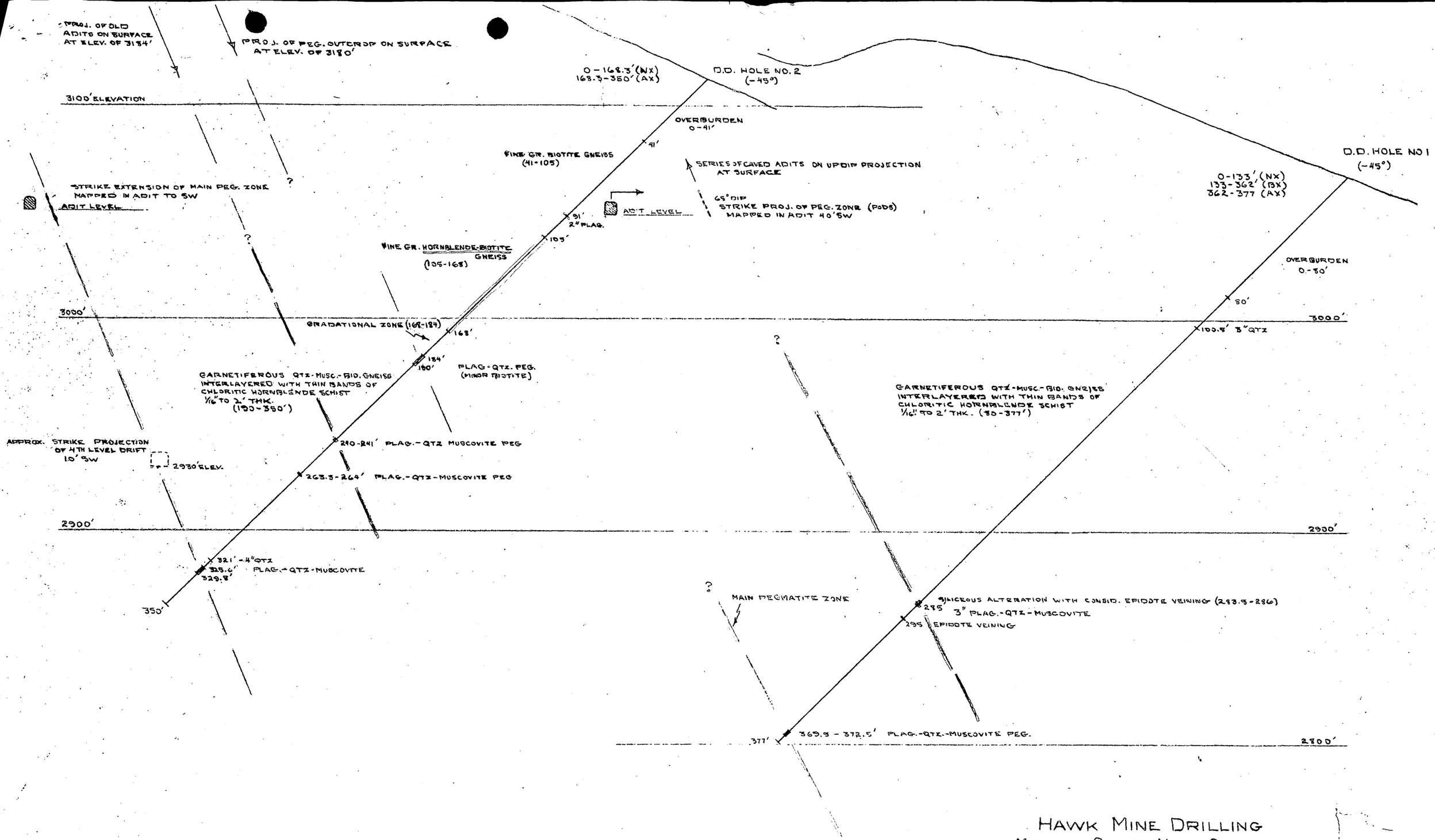
JUNE 4, 1955


UNIVERSAL (SOUTH) SHAFT
TOM GREEN SHAFT
ADIT J
3215
ADIT H
END OF ADIT G
3194
NO PEG.
ADIT E
ADIT F (CAVED)
(CAVED)
ADIT C
ENDS OF ADIT D
ADIT B
MOSTLY MINED OUT PRIOR TO 1895
NOW LARGELY EXCAVATED BY BULLDOZER & PAN TO DEPTH OF APPROXIMATELY 100 FEET BY FRANK W. PHILLIPS, 1953-1957
(TOTAL OF 2,382# SHEET RECOVERED FROM MUCK AND PILLARS VALUED AT $28,042.00)
UNITED (SOUTH) SHAFT
PEG. REPORTED TO PINCH OUT UPWARDS
3100'
MAIN PEGMATITE ZONE (SMALL PODS & LENSES OF PEGMATITE & QUARTZ) CROSSES ADIT HERE
ZONE OF SMALL PEG. LENSES
PROJECTION OF MAIN ADIT
TOM GREEN SHAFT
STEVE GREEN SHAFT
ADIT A
3100'
PROBABLE EDGE OF MAIN WORKINGS
PEGMATITE PINCHES OUT
FIRST (MAIN) LEVEL
MINED BEFORE 1895
PEG. REPORTED ONE FOOT OR LESS THICK
MINED BEFORE 1895
RICH MICA POCKET
SECOND LEVEL
J. R. McKINNEY 1940 OR 1941
J. R. McKINNEY 1941 OR 1942
3000'
3000'
THIRD LEVEL
McKINNEY 1940
PROJECTED LIMITS OF MAIN PEGMATITE ZONE (LIMITS OF INFERRED RESERVE
PEG. REPORTEDLY PINCHES OUT DOWNWARD
PEG. REPORTEDLY PINCHES OUT
FOURTH LEVEL
MINED ABOVE BY ALFRED SMITH 1937-1939
PROPOSED TARGET INTERSECTION
860* BLOCK OF MUSCOVITE RECOVERED IN MAY, 1940
2900'
2900'
ACTUAL INTERSECTION DDH. NO. 2
4.2' PEG.
APPROXIMATE LOCATION OF INCLINE BOTTOM
INFERRED RESERVE AREA - 250 X 200'
ACTUAL INTERSECTION DDH No. 1
3.5' PEG.
2800'
2800'
ACTUAL INTERSECTION DDH No. 3
3" PEG.
OUTLINE OF WORKINGS ACCESSIBLE MAY, 1940 & DEC., 1942
OUTLINE OF INACCESSIBLE WORKINGS, SKETCHED BY J. R. McKINNEY
MINE WASTE, MUCK LOADED LOFTS, SURFACE DUMP
CONTRACT DRILL HOLE INTERSECTION IN MAIN PEG. ZONE (INTERSECTION PLOTTED NOT SURVEYED)
- FIGURES INDICATE THICKNESS OF EXPOSED PEGMATITE
- SECTION FROM USGS FILE REPORT BY J.C. OLSON & J.J. PAGE
CONTRACT DRILL HOLE INTERCEPTS
LONGITUDINAL SECTION
HAWK MINE
MITCHELL COUNTY, NORTH CAROLINA
DME A - 4337 Idm - E 977
VERTICAL AND HORIZONTAL SCALE
0 25 50 75 100 FEET



HAWK MINE DRILLING
MITCHELL COUNTY, NORTH CAROLINA
DMEA-4337, IdM-E977 (MICA)
SECTION C, ORIENTED N78°E

SCALE: 1" = 40'
0 10 20 30 40 50'



HAWK MINE DRILLING

MITCHELL COUNTY, NORTH CAROLINA

DMEA-4337 Idm-E 977 (MICA)

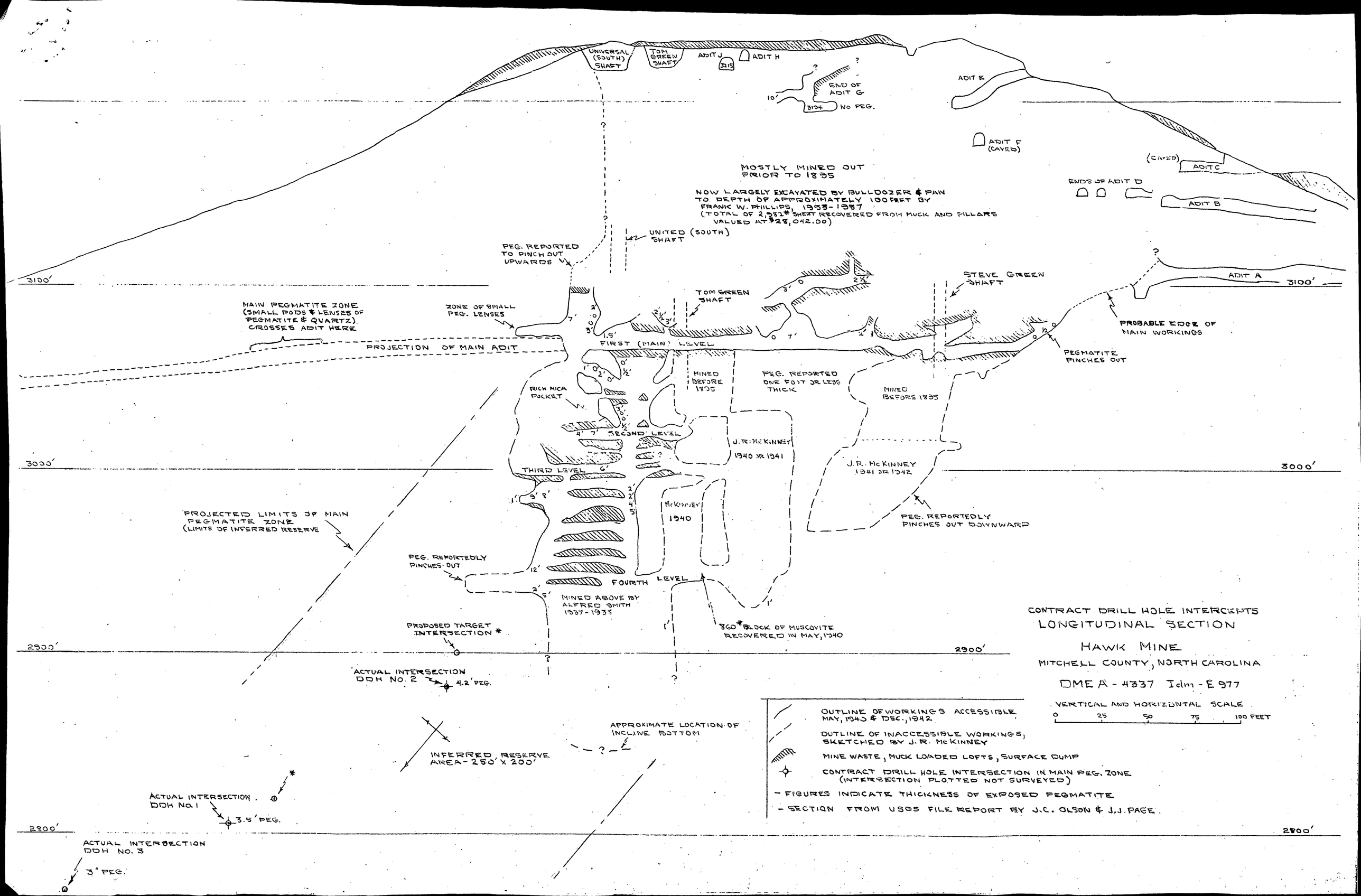
SECTIONS A & B, ORIENTED N 78° W

SCALE: 1" = 40'

0 10 20 30 40 50'

OFFICIAL FILE COPY
D M E A
RECEIVED APR 30 1984
DATE | INITIALS | CODE

OFFICIAL FILE COPY
D M E A
RECEIVED APR 30 1984
DATE | INITIALS | CODE



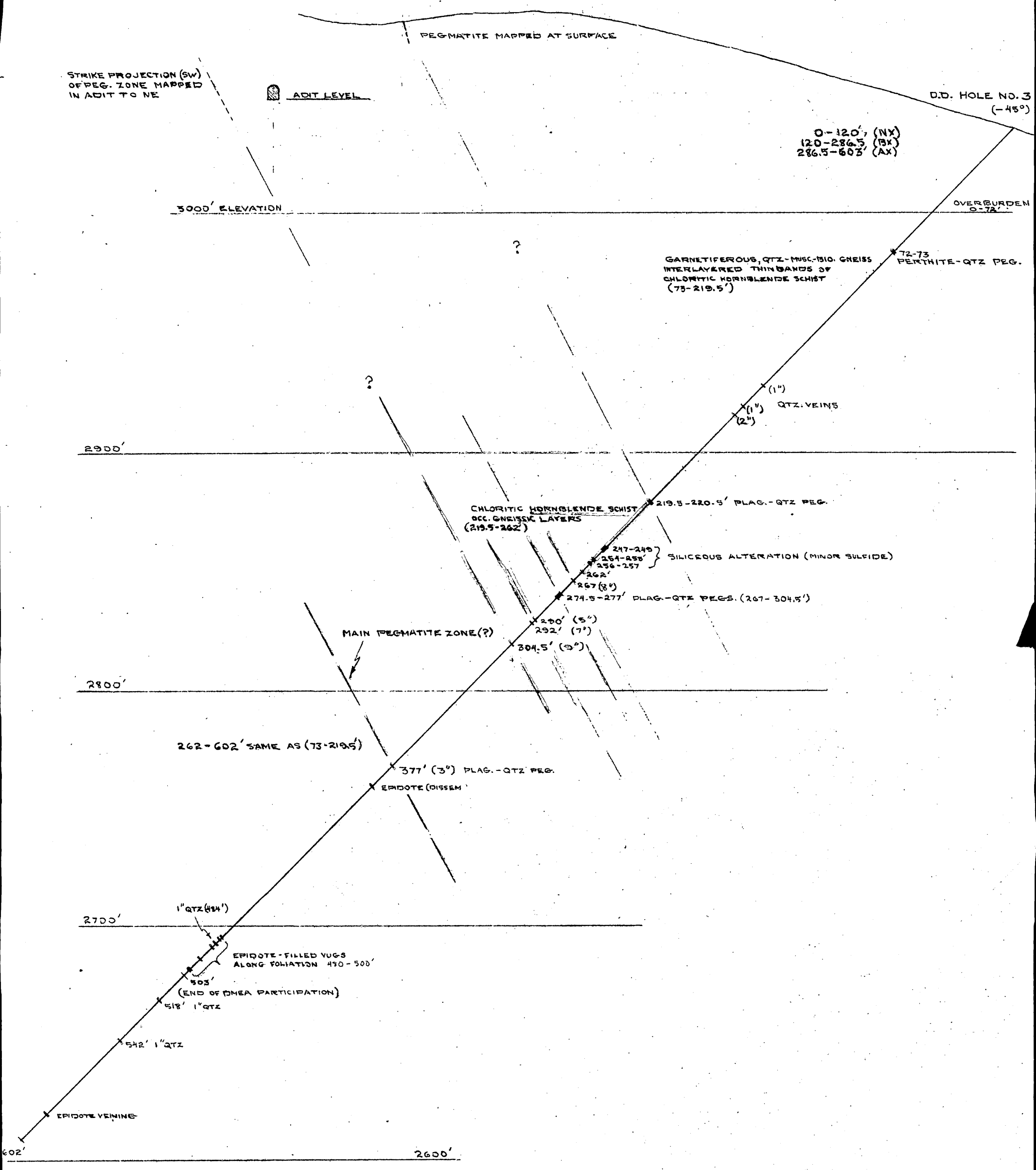
CONTRACT DRILL HOLE INTERCEPTS
LONGITUDINAL SECTION

HAWK MINE
MITCHELL COUNTY, NORTH CAROLINA

DME A - 4337 Idm - E 977

EXTRA COPY
D M E A
RECEIVED APR 30 1958

DATE	INITIALS	CODE

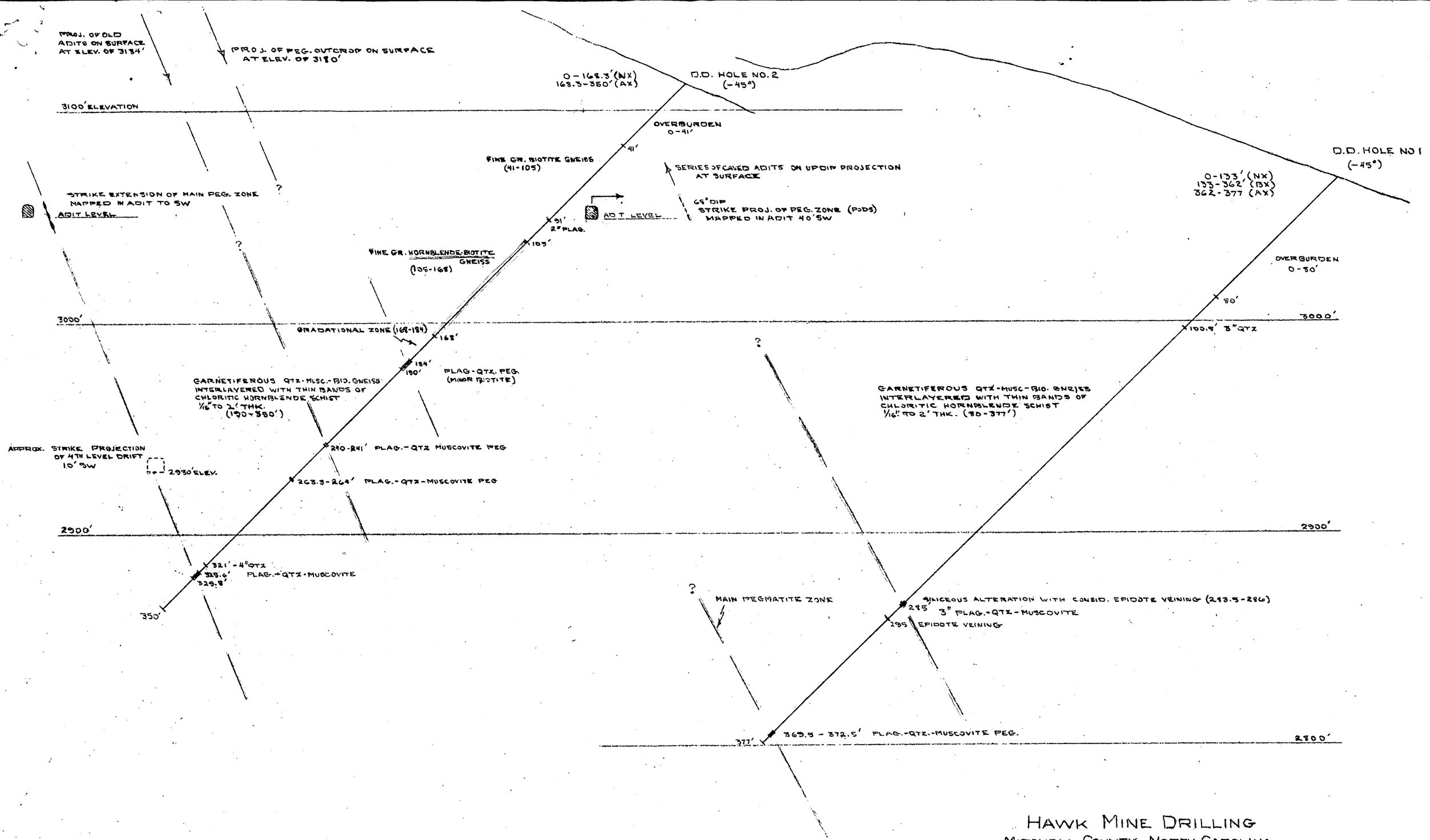


HAWK MINE DRILLING
MITCHELL COUNTY, NORTH CAROLINA
DMEA-4337, Idm-E977 (MICA)
SECTION C, ORIENTED N78°E

SCALE: 1" = 40'
0 10 20 30 40 50'

EXTRA COPY
D M E A
RECEIVED OCT 30 1958

DATE	REMARKS	CODE



HAWK MINE DRILLING

MITCHELL COUNTY, NORTH CAROLINA

DMEA-4837 Idm-E 977 (MICA)

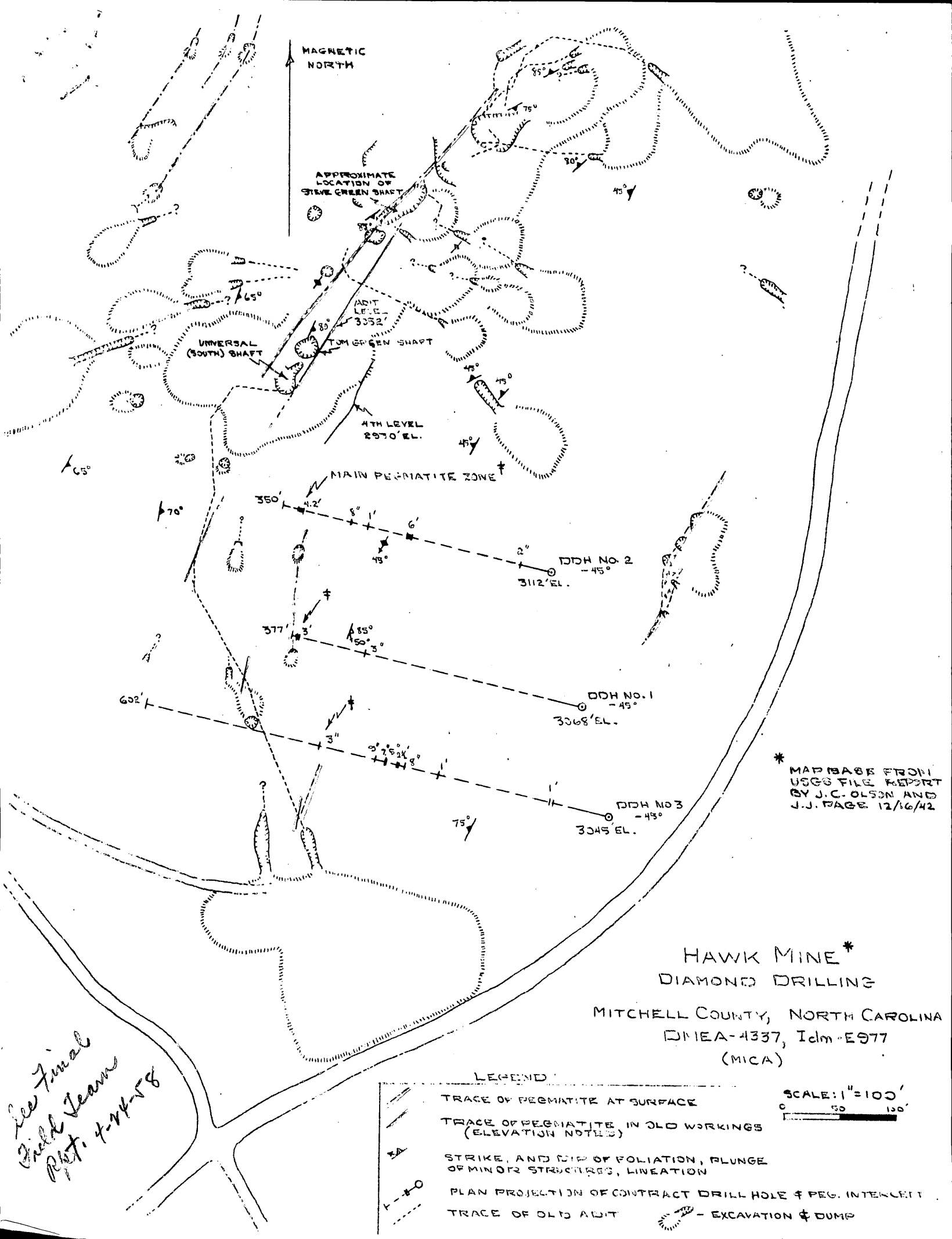
SECTIONS A & B, ORIENTED N 78° W

SCALE: 1" = 40'

0 10 20 30 40 50'

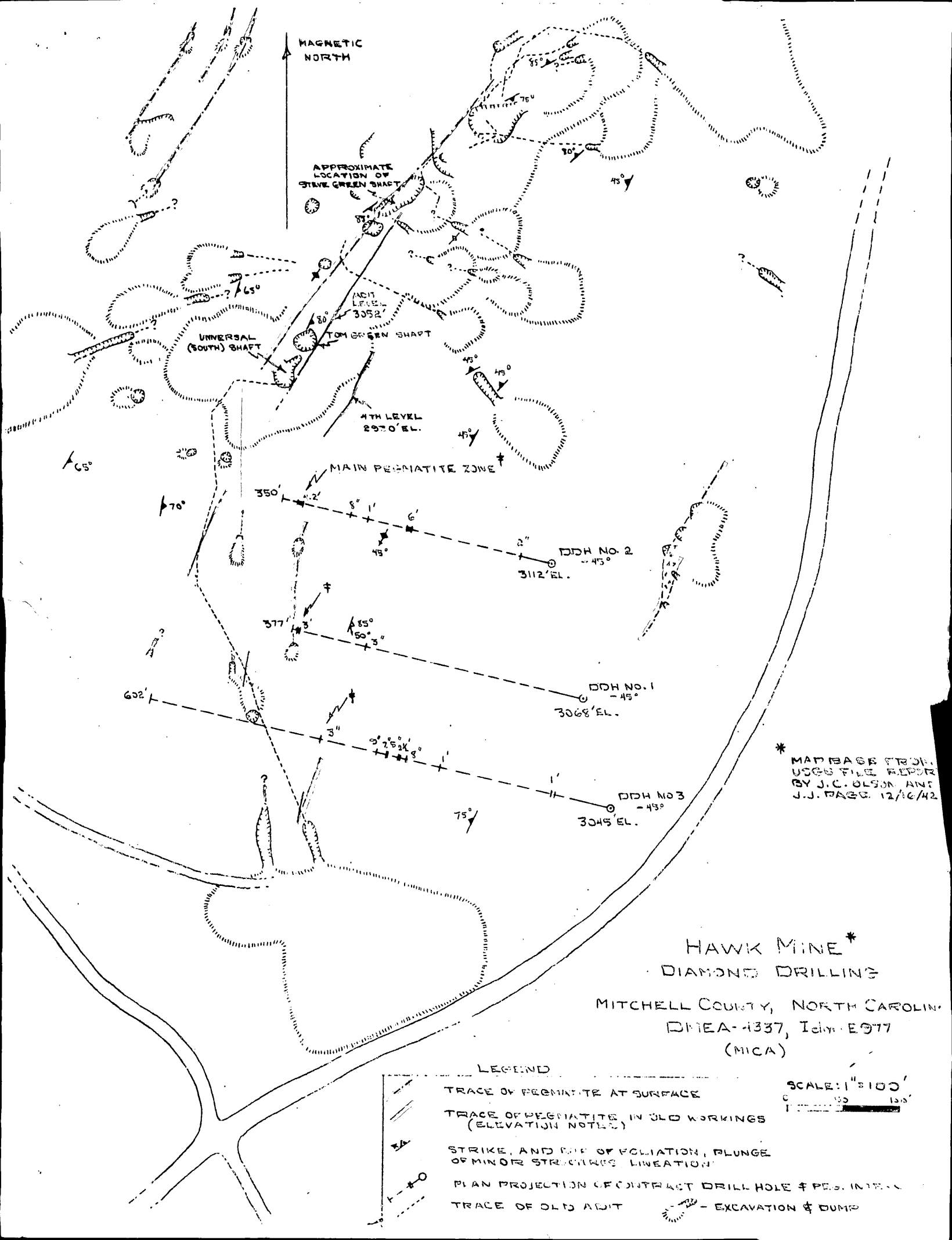
EXTRA COPY
D M E A
RECEIVED APR 30 1980

DATE	INITIALS	CODE


MAGNETIC NORTH
APPROXIMATE LOCATION OF STEVE GREEN SHAFT
ADIT LEVEL 3052'
TOM GREEN SHAFT
UNIVERSAL (SOUTH) SHAFT
4TH LEVEL 2970'EL.
MAIN PEGMATITE ZONE
350'
4.2'
8"
1'
6'
2"
DDH NO. 2 -45°
3112'EL.
377'
3'
3"
DDH NO. 1 -45°
3068'EL.
602'
3"
1'
DDH NO 3 -45°
3045'EL.
MAP BASE FROM USGS FILE REPORT BY J.C. OLSON AND J.J. PAGE 12/16/42
HAWK MINE*
DIAMOND DRILLING
MITCHELL COUNTY, NORTH CAROLINA
DMEA-4337, Idm-E977
(MICA)
LEGEND
TRACE OF PEGMATITE AT SURFACE
TRACE OF PEGMATITE IN OLD WORKINGS (ELEVATION NOTED)
STRIKE, AND DIP OF FOLIATION, PLUNGE OF MINOR STRUCTURES, LINEATION
PLAN PROJECTION OF CONTRACT DRILL HOLE & PEG. INTERCEPT
TRACE OF OLD ADIT
- EXCAVATION & DUMP
SCALE: 1" = 100'
0 50 100'
See Final Field Teams Rpt. 4-24-58

EXTRA COPY
D M E A
RECEIVED APR 30 1958

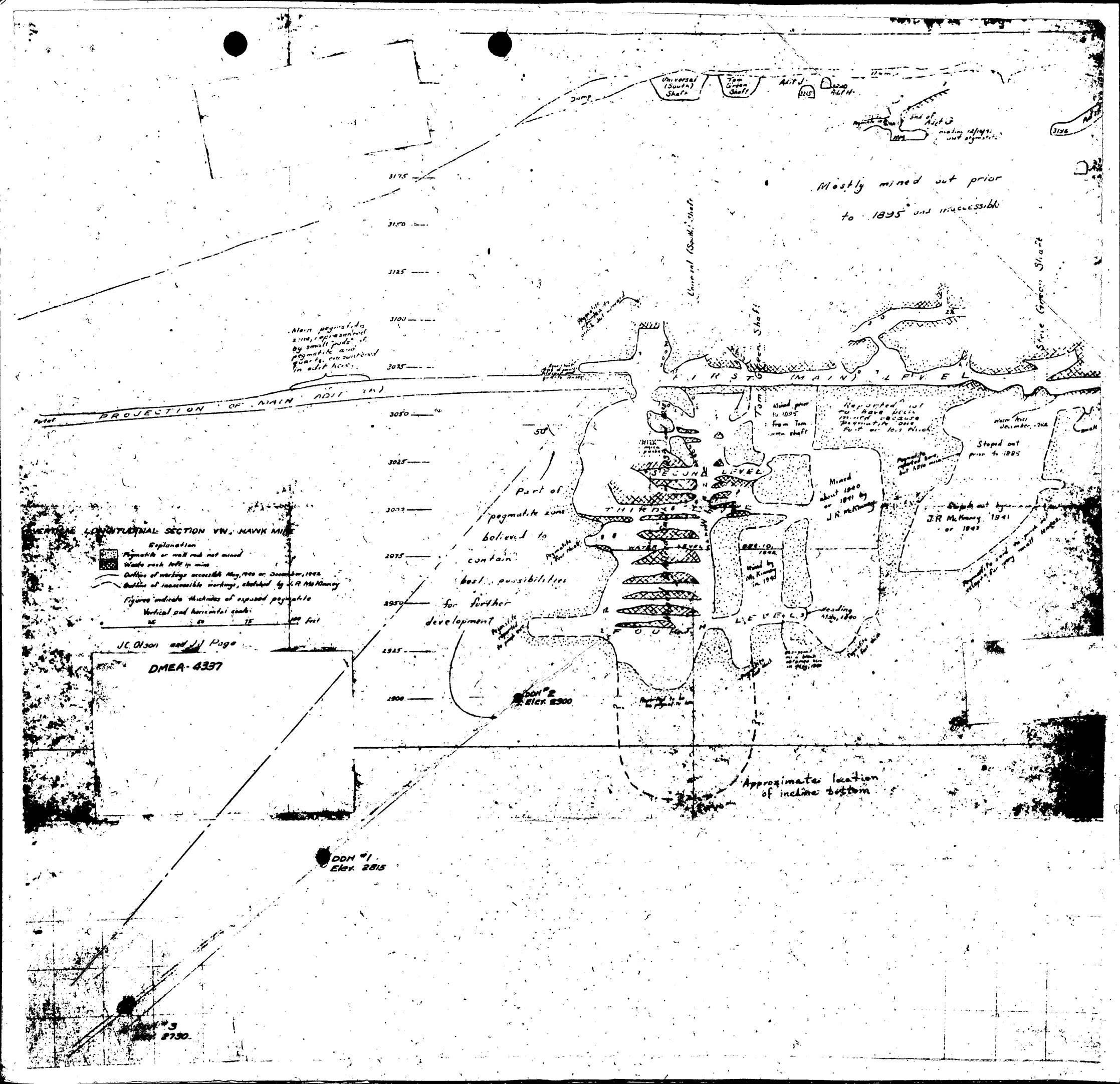
DATE	INITIALS	CODE

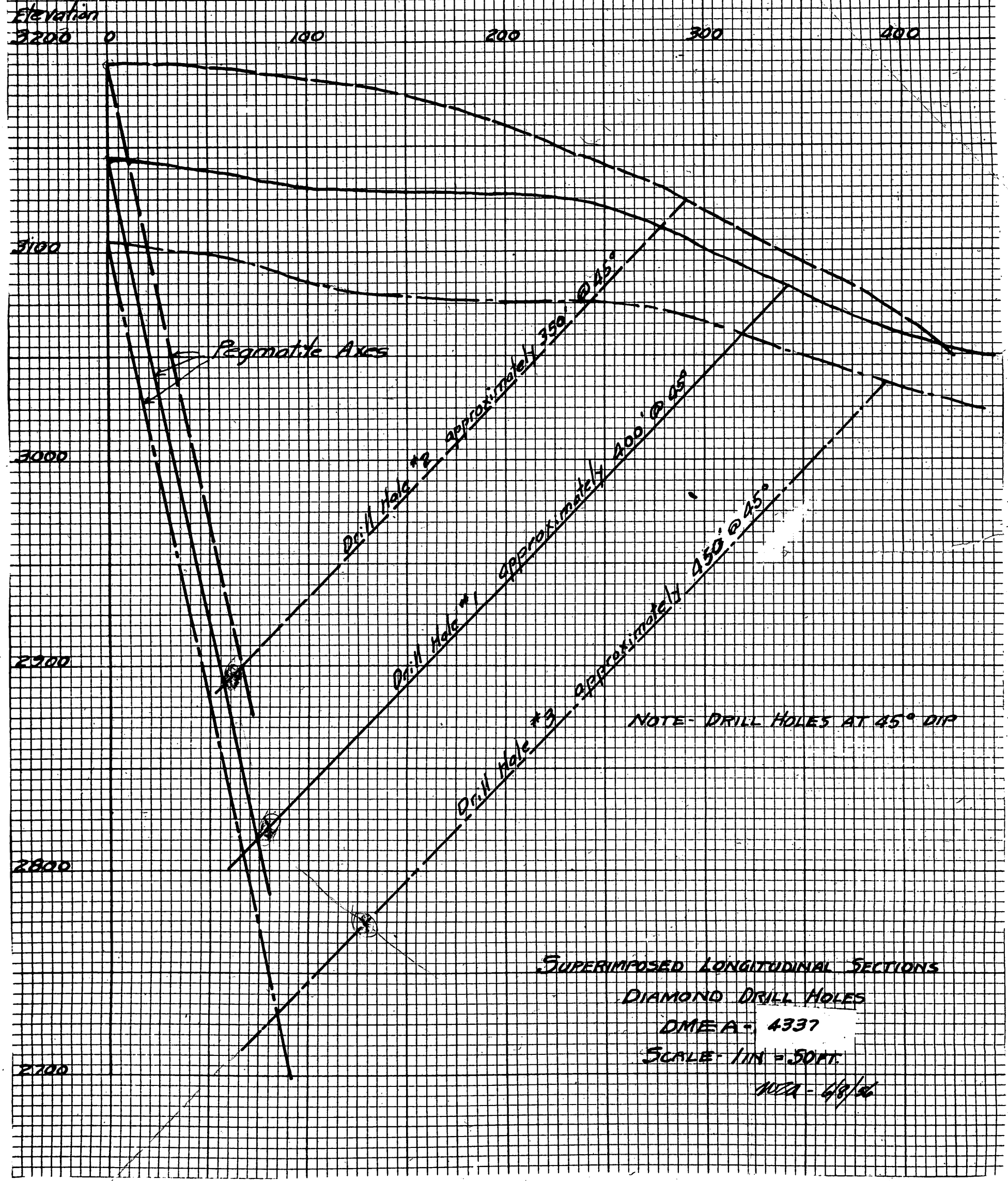


* MAP BASE FROM USGS FILE REPORT BY J.C. OLSON AND J.J. PAGE 12/16/42

OFFICIAL FILE COPY
DNEA
RECEIVED APR 30 1958

DATE	INITIALS	CODE


VERTICAL LONGITUDINAL SECTION VW. HAWK MINE
Explanation
Pegmatite or wall rock not mined
Waste rock left in mine
Outline of workings accessible May, 1940 or December, 1942
Outline of inaccessible workings, checked by J.R. McKinney
Figures indicate thickness of exposed pegmatite
Vertical and horizontal scale
25 50 75 100 feet
J.C. Olson and J.J. Page
DMEA-4337
Universal (South) Shaft
Tom Green Shaft
Adit J.
Adit H.
Dump
End of Adit G
Mostly mined out prior to 1895 and inaccessible
Universal (South) Shaft
Tom Green Shaft
Steve Green Shaft
Main pegmatite zone, represented by small pods of pegmatite and quartz encountered in adit here.
PROJECTION OF MAIN ADIT (A)
Portal
FIRST (MAIN) LEVEL
Mined prior to 1895 from Tom Green shaft
Reported not to have been mined because pegmatite zone 5 ft or less thick
Stoped out prior to 1895
Mined about 1940 or 1941 by J.R. McKinney
J.R. McKinney 1941 or 1942
SECOND LEVEL
THIRD LEVEL
WATER LEVEL
FOURTH LEVEL
Part of pegmatite zone believed to contain best possibilities for further development
Heading 11-26, 1900
DDH #2 Elev. 2900
DDH #1 Elev. 2815
DDH #3 Elev. 2750
Approximate location of incline bottom
3175
3150
3125
3100
3075
3050
3025
3000
2975
2950
2925
2900



SUPERIMPOSED LONGITUDINAL SECTIONS
DIAMOND DRILL HOLES
DMEA - 4337
SCALE- 1IN = 50FT.
MDA - 6/8/86