DMEA-2872
Mica
Region VII

EMPIRE MICA COMPANY (formerly Harp Mica Miners), SPRUCE PINE, NORTH CAROLINA. Harrison W. Harp Mine, Lamar County, Georgia. 6-19-53

Letter to the Field forwarding a contract, signed by the Administrator, for execution, subject to completing A- 3 of the contract. Also forwarded to the Field were copi of memoranda from the Bureau of Mines and the Geological Su ey. Approved for referral.

No. 231

DMEA-2872
Mica
Region VII

HARP MICA MINERS, SPRUCE PINE, NORTH CAROLINA. Harrison W. Harp (Clay Chock) Mine, Lamar County, Georgia. 195 3-27-53

Field Report recommending approval. The report was referred to the Commodity Group.

No. 287

[illegible]

[illegible]

HARP MICA MINERS, SPRUCE PINE, NORTH CAROLINA. Harrison W. Harp (Clay Chock) Mine, Lamar County, Georgia.

Letter to the Field [illegible] and [illegible] copy of memoranda from the Bureau of Mines and the Geological Survey. [illegible] to the Commodity Group.

[X] Audited

[ ] Certified

WORK ANALYSIS SHEET - DMEA PROJECT

Analysis as of ~~12-9-1954~~
Incl. Voucher for ~~March 1954~~

[ ] Actual Cost

[X] Agreed Unit Costs

Name Empire Mica Mine

Docket No. ~~2872~~

State Georgia

Commodity Mica

Idm-E No. ~~559~~

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting	100 ft	3500 00	96 ft	3360 00	3360 00
Raising					
Shafts	75 ft	3750 00	60 ft	2760 00	2760 00
Winzes					
Drilling (Specify)					
Surface Excavation		150 00		135 00	135 00
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.					
Other (Specify)					
Totals		$ 7400 00		6255 00	6255 00

Prepared by Keating

71626

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Sam L. Phillips, John Phillips and Lin Carpenter
d/b/a Empire Mica Company
Spruce Pine, North Carolina

pertaining to Exploration Project Contract No. Ida-1599, Docket No. DMEA-2872, including Amendment Nos. 1 and 2, for the months of July, 1953 to March, 1954, inclusive, covering a project for the exploration of mica on property, known as the Harrison W. Harp Mica Mine, located in Lamar County, Georgia.

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 reports of Field Team representatives, 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 agreed estimated costs of units of work actually performed.

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

Total cost as billed by Contractor		$6,255.00
Exceptions:		
By DMEA Finance Officer	$ -0-	
Herewith	-0-	-0-
Total Accepted Cost		$6,255.00

The contract calls for a 90 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Five thousand six hundred twenty-nine and 50/100 Dollars,

$5,629.50

is considered 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.

E. D. Talbert, Auditor

April 26, 1954

Division Copy

DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Docket No. DMEA-2872

AMENDMENT NO. II

It is agreed this 2nd day of March 1954, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Sam L. Phillips, Lin Carpenter and John Phillips, all of Spruce Pine, N. C., partners d/b/a Empire Mica Company, each acting in consideration of the other to the terms hereinafter set forth that Exploration Project Contract Idm-E 559, Docket No. DMEA-2872, dated June 29, 1953, between the parties hereto be modified and amended as of June 29, 1953 as follows:

In Exhibit "A" under Description of the Work change item 3 and the line after item 3 to read as follows:

"Drift and/or crosscut not more than 100 feet from approximately the 70 foot point in the shaft. The drift and/or crosscut is to be timbered where necessary.

Both shaft, drift and/or crosscut shall be 5 feet by 7 feet in cross section."

In Exhibit "A" under Agreed Unit Costs change the last item to read as follows:

" Drifting and/or crosscutting (including cost of necessary timber) 100 feet @ $35.00 per foot .....$3500.00."

This amendment shall not be construed to increase the estimated total cost of the project the aggregate total amount which the Government may be obligated to pay, or the percentage of the cost which the Government may be obligated to pay, under the provisions of Article 4 of the contract form.

March 2, 1954.

THE UNITED STATES OF AMERICA

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

EMPIRE MICA COMPANY

By Sam L. Phillips
Partner

By Lin Carpenter

By John Phillips

Division Copy

DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

AMENDMENT NO.1

Contract Docket No. DMEA-2872, Idm-E 559 (mica), dated 29th June 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Sam L. Phillips, Lin Carpenter and John Phillips, d/b/a Empire Mica Company of Spruce Pine, North Carolina is hereby amended as follows:

1. Article 3 is amended to read....."; and shall bring the project to completion within a period of twelve (12) months from date of contract....." instead of eight (8) months as written in original contract.

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be obligated to pay, or the percentage of the cost which the Government may be obligated to pay, under the provisions of Article 4 of the contract form.

February25, 1954

THE UNITED STATES OF AMERICA

By Robert A. Bauman
EXECUTIVE OFFICER
DMEA REGION VII

EMPIRE MICA COMPANY

By Sam L. Phillips
Partner

By Lin Carpenter
Partner

By John Phillips
Partner

SM.

MF-200 (A)
(February 1952)

DOCKET NO. DMEA 2072

COMMODITY Mica

Division Copy
IDM-E 559

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

EXPLORATION PROJECT CONTRACT[1]
(Short Form)

IT IS AGREED this 29th day of June, 1953 between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] [illegible] Phillips [illegible] operator, [illegible] of Spruce Pine, North Carolina, [illegible] business as [illegible]

hereinafter called the "Operator," as follows: as set forth in Annexes I and II, attached hereto and made a part hereof.

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

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of Georgia, County of [illegible], described as follows: set forth in Annex II

the Operator represents and undertakes:[4]

~~(a) That the Operator is the owner, in possession and entitled to possession, and that the property is free from the following claims, liens or encumbrances as to each of which the subordination agreement of the holders is attached:~~

(b) That the Operator is a lessee, in possession and entitled to possession, and the Owner's Consent to Lien is ~~attached~~ waived.

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

ARTICLE 3. *Exploration project.*—The Operator, within 60 days from the date of this contract shall commence work on a project of exploration for[5] [illegible]

in or upon the described land; and shall bring the project to completion within a period of eight (8) months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided. The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen's compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay 50 percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $[illegible], which is [illegible] percent of $[illegible], the agreed, estimated total cost of the project in which the Government will participate: *Provided,* That until the Operator's final report and final accounting have been rendered to the Government and any final check or auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ARTICLE 9. *Changes and added provisions* In Article 7, delete that part of the second sentence which follows the semi-colon.

Executed in sextuplicate the day and year first above written.

EMPIRE MICA COMPANY.

By Sam L. Phillips (Partner)

By John Phillips (Partner)

By Lin Carpenter (Partner)

THE UNITED STATES OF AMERICA

By C. Mittendorf

Administrator, Defense Minerals Exploration Administration

A. C. Kane Contracts Attorney

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

_____ [CORPORATE SEAL]

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

BUREAU OF LAND MANAGEMENT
EXPLORATION PROJECT CONTRACT
NO. LLA-2372

JUN 1 0 1978

ANNEX 1

The following provisions are in lieu of all of paragraph (a) of Article 6 which precedes the colon:

If at any time the Government considers that a discovery or development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the final report and final account required by the exploration project contract, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development. The Operator, or his successor in interest, shall pay to the Government a royalty on all minerals mined or produced from the land which is the subject of the exploration project contract, 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 of discovery or development, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first, unless the Government waives its right to a royalty; or (2) if the Government makes a certification of discovery or development, for a period of ten years (or other period fixed by the contract) from the date of the contract, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first. Said royalty shall be a percentage of the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, as follows:

EMPIRE MICA COMPANY
EXPLORATION PROJECT CONTRACT
DOCKET NO. DMEA-2872

ANNEX II

The land referred to in Article 2 of the contract form is part of the land leased to the operator by owner Robert J. Caldwell, by instrument dated December 23, 1952.

The land leased consists of:

A certain old mica mine, (which was mined during World War II) upon the property hereinafter described and at which site of the said old mine there is a shaft that was sunk during World War II, and the said property herein being a part or parcel of land, situate, lying and being in land lot 112 of the 7th Land District of Lamar County, Georgia, and being seventy five (75) acres, more or less, located on the Southeast side of the public road leading from the Yatesville-Barnesville paved road to State Highway No. 7, said land being bounded as follows: On the North and East by property of Carlton Hayes, on the South by the Lamar-Upson County line, and on the Northwest by said Public Road. The above described real property is the same as was conveyed to R. J. Caldwell by deed dated November 8, 1949 from C. B. Harrell and recorded in deed book 24, page 350, in the deed records of Lamar County, Georgia.

That portion of the above-described leased property which alone is the subject of this Exploration Project Contract is as follows:

BEGINNING at Robert Caldwell's Garden Gate on the East side of By Pass Road. It runs along and with the East side of By Pass Road South 51 degrees West 500 feet. Then South 37 degrees and 30 minutes East 513 feet to a Power Pole Marked R.E.A. Coop. Z3. Then North 88 degrees East 201 feet to a pine tree. Then North 43 degrees East 300 feet to a stake. Then North 29 degrees West 538 feet to the point of Beginning.

EMPIRE MICA COMPANY
EXPLORATION PROJECT CONTRACT
DOCKET NO. DMEA-2872

EXHIBIT "A"

Description of the Work

Exploration for concentrations of strategic mica is to be accomplished by the work described below and indicated diagrammatically on the attached map entitled "Geologic Map of Harrison W. Harp Mica Mine, Lamar County, Georgia, DMEA-2872".

1. Excavate with bulldozer a trench approximately 50 feet long, 15 feet wide, and 10 feet deep to expose the pegmatite southwest of the present workings.

2. Sink not more than 75 feet of a two-compartment shaft on the pegmatite at a site mutually satisfactory to the Operator and the Government. The shaft is to be timbered where necessary.

3. Drift not more than 100 feet from approximately the 70 foot point in the shaft. The drift is to be timbered where necessary.

Both shaft and drift shall be 5 feet by 7 feet in cross section.

The location, direction, and extent of all work shall have prior approval of the Government.

Agreed Unit Costs

Excavation by Bulldozer - 15 hrs. @ $10.00/hr.	$ 150.00	
Shaft sinking (including cost of partition between compartments and ladders) 75 ft. @ $42.00/ft.	3,150.00	
Shaft timbering - 75 ft. @ $8.00/ft.	600.00	
Drifting (including cost of necessary timber) 100 ft. @ $35.00/ft.	3,500.00	
Total Agreed Unit Costs		**$7,400.00**
Government Participation @ 90%		**$6,660.00**

GUARANTY

In consideration of the waiver by the United States of America of the requirement of the Owner's Consent to Lien, as set forth in paragraph 2(b) of the attached Exploration Project Contract, the undersigned jointly and severally hereby guarantee payment to the United States of America of any royalties, as specified in said Contract and any future amendment thereof, upon any and all ore which is mined within ten years of the date of said Contract from the land described in Article 2 thereof, regardless of whether the undersigned have any interest in the property covered by the said Contract, or any part in the mining operations at the time said ore is mined. If for any reason the net smelter returns or other net amounts, from operations that would be subject, under the said Contract and any amendment thereof, to such payments to the United States of America, are not available as a means of measuring the amount of such payment, then the undersigned agree and undertake jointly and severally to make such payment according to the best estimates of the amount that can reasonably be made, and in the event of dispute as to such estimate, the undersigned agree jointly and severally that the determination thereof by either the Administrator of Defense Minerals Exploration Administration, or his designee, shall be final and binding upon the undersigned.

Dated _____, 1953.

Sam L. Phillips (Seal)
Sam L. Phillips

John Phillips (Seal)
John Phillips

Lin Carpenter (Seal)
Lin Carpenter

STATE OF N. C. * * * * :

COUNTY OF Mitchell :

I, Sherrill Bailey, the undersigned, a notary public in and for the State of N. C., hereby certify that on this 8 day of July, 1953, personally appeared before me Sam Phillips, John Phillips, and Lin Carpenter, to me known to be the individuals described in

and who executed the foregoing instrument, and acknowledged that they signed the same as their free and voluntary act and deed, for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I hereunto set my hand and seal this 8 day of July 1953.

Sherrill Ballew (Seal)
Notary Public

Mr. Sam L. Phillips
Empire Mica Company
Spruce Pine, North Carolina

Re: Docket No. DMEA-2872 - Mica
Harrison W. Harp Mine
Lamar County, Georgia
Contract No. Idm-2599

Dear Mr. Phillips:

We are pleased to advise you that your performance of exploration work under the subject contract has been acceptable to the Government, and the account relating thereto has been closed. The final audited and settled account shows:

Total claimed for units of work performed	$6,255.00
Total Government contribution at 90 percent	$5,629.50

Your attention is called to the provision of the contract which requires you to keep and preserve your records and accounts of this transaction for a period of three years for possible future reference.

We sincerely regret that the work performed did not result in a certification of discovery or development under the provisions of the exploration contract. In the absence of such certification, the Government retains no claim or lien against the property or any production therefrom except with respect to any production between the date of the contract and the end of the period within which the Government might make such certification.

The Government is grateful for your participation in the exploration program of the Defense Minerals Exploration Administration.

Sincerely yours,

C. O. Mittendorf

Administrator

WCAnderson:gad 6/22/54

Copy to: Admr. R. File
Docket File
Field Team, Region VII
Mr. Dietrich, 3061
Mr. Larrabee, G-232 GSA Bldg.
Mr. Hook
Mr. Chambers

IN REPLY

G-MD-CMM

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

April 12, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2872 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant: Empire Mica Company, Spruce Pine, North Carolina.
Name of property: Harp Mine.
Location of property: LaMar County, Georgia.
Date of field team report: April 2, 1954.
Authorship of field team report: J. F. O'Neill.
Field team's recommendation: Contract be terminated with 4' to go.
Comments: O'Neill's report states that only 4' remains to be done, the mica in sight is poor, the operators are out of materials, and a trip to North Carolina will be required for more supplies. It isn't worth it.

ACTION RECOMMENDED:
Follow field team's recommendation.

D. M. Larrabee

Larrabee:jeh
4/12/54
cc: Director's reading 4212
Branch reading 4212
DMEA 3
Larrabee G-230

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

May 18, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2872 (Mica)

Contract Number: Ida-E 559

Applicant: Empire Mica Company

Name and Location of Property: Harp Mine, Lamar County, Georgia

Date of Field Team's Final Report: May 6, 1954

Date Rec'd. by Ceramic & Fertilizer Materials Branch: May 13, 1954

Field Team's Recommendation:

1. No certification of discovery or development.

Comments:

1. Exploration was by bulldozing a trench, sinking 60-foot shaft and driving 96 feet of laterals.
2. Work began on July 23, 1953 and was completed on March 30, 1954.
3. No commercial mica was encountered.
4. Expenditures -

Total approved cost	$7,400.00
Total cost	6,255.00
Gov't. share of cost	5,629.50
Value	none

Recommendation:

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

W. F. Dietrich

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY
~~WASHINGTON 25, D. C.~~
Room 13, Post Office Building
Knoxville 2, Tennessee

COPY

May 6, 1954

Memorandum

To: Operating Committee, D M E A - Washington

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

Subject: Final Report, DMEA-2872, Idm-E 559 (mica), Harp Mine, Lamar County, Georgia, Empire Mica Co. Spruce Pine, N. C.

Enclosed are 4 copies of the final report on the subject exploration contract by the Field Team, and 4 copies of Operator's report.

We agree with the examiners' conclusion that certification is not warranted.

/s/ Robert A. Laurence

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

RA L/zm
cc:
Beck
O'Neill
Files
Division Copy

Reviewed by
DMEA OPERATING COMMITTEE
5-14-54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

6/28/54

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT
BY
FIELD TEAM, REGION VII

On
DMEA-2872, HARP MINE (mica)
Lamar County, Georgia

By

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

James F. O'Neill, Mining Engineer
U. S. Bureau of Mines

Dewey H. Amos, Geologist
U. S. Geological Survey

May 5, 1954

Reviewed by
DMEA OPERATING COMMITTEE
5-14-54
(date)

FINAL REPORT
On
DMEA-2872, Idm-E 559, HARP MINE
(mica)

Operator: Empire Mica Company, Spruce Pine, North Carolina

Work completed under the contract consisted of bulldozing a trench 50' x 15' x 10' deep, sinking a 60-foot vertical shaft and driving a total of 96 feet of laterals. As no commercial deposit of mica was discovered, no certification of discovery should be made, nor is additional exploratory work warranted.

The Harp Mine is located 4.5 airline miles S 9° E. of Barnesville, Lamar County, Georgia.

Work began on July 23, 1953 and was completed March 30, 1954. A 50' x 15' x 10' deep trench was bulldozed on the southwest end of the pegmatite. Near this trench a 60-foot 5' x 7' vertical shaft was sunk and the first 30 feet of it was timbered. The shaft was bottomed at 60 feet rather than the proposed 75 feet as the pegmatite was thinning and flattening rapidly with depth. From the 60-foot level a crosscut was driven 29 feet in an N. 5° W. direction. Drifts were made from a point in this crosscut 5 feet from the shaft; 20 feet to the northeast and 10 feet to the southwest. As the pegmatite was thin at this level and contained no strategic mica the shaft was then floored at 38.5 feet and a drift was driven northeastward for 37 feet.

A disconformable pegmatite which thins downward from about 8 feet near the surface to 1/2 - 2 feet at the 60-foot level was exposed by the work. It strikes N. 40° E., but the dip flattens from vertical in the upper 40 feet to 60° N.W. at the 60-foot level. The enclosing country rock whose foliation strikes N. 20-30° E and dips 40-50° S.W. is pegmatitm/biotite-garnet gneiss. The pegmatite consists of perthite, quartz and muscovite. Most of the latter is "burr" with minor quantities of book mica which is small and badly cracked. No mica of commercial value was recovered from the shaft or levels, although about 300 pounds of surface stained book mica was obtained from the trench.

The reserves indicated by the work under the contract are negligible.

Expenditures:

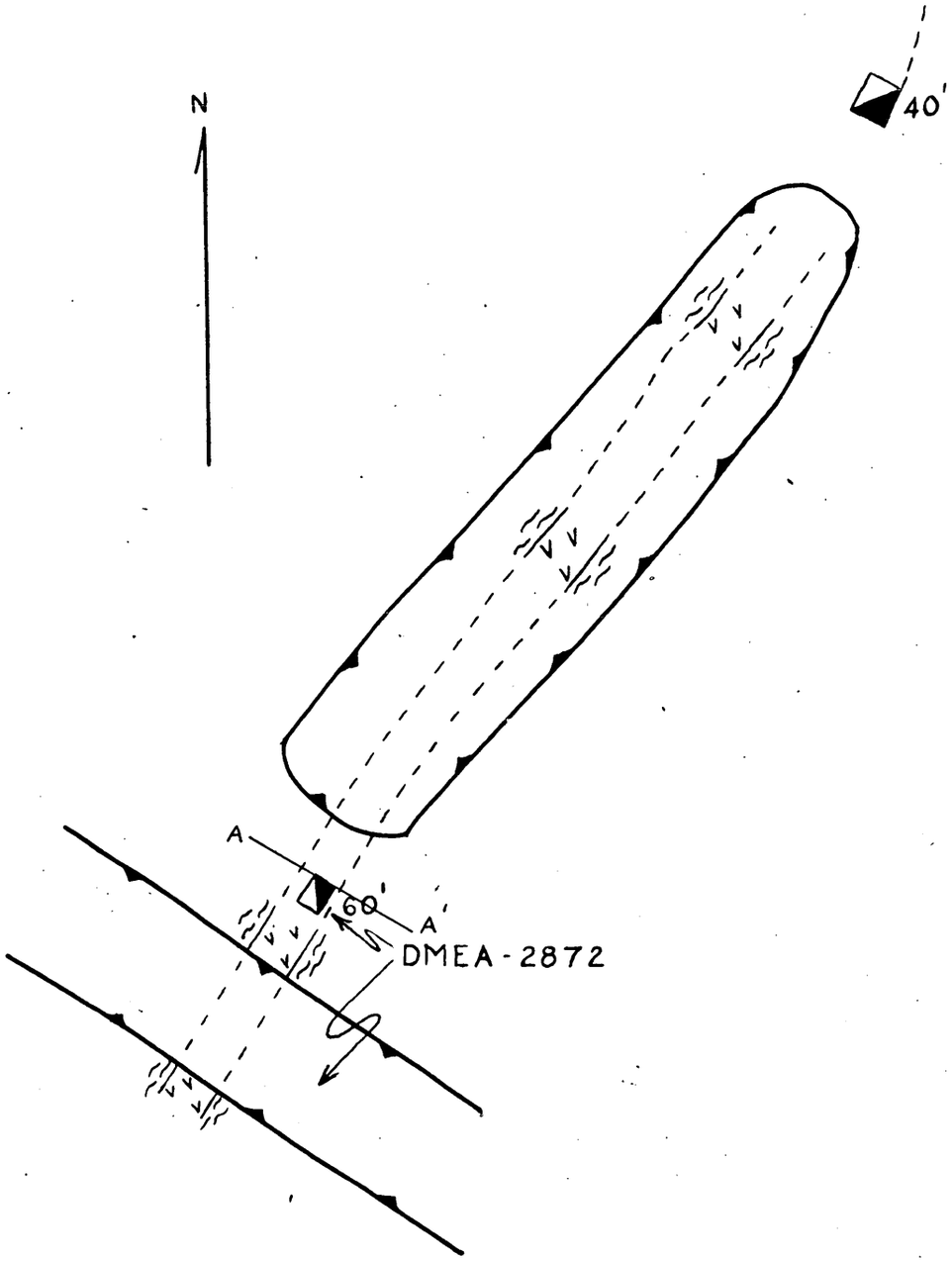
(a)	Total approved	$7,400.00
(b)	Total cost of project	6,255.00
(c)	Government's share of cost	5,629.50
(d)	Government's share unexpended	1,030.50
(e)	Value of production during operations	-- None

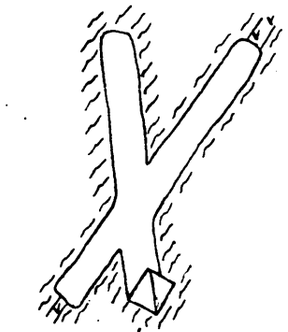
The project was conducted in a satisfactory and efficient manner. No equipment was purchased under the contract.

Keften H. Teague and D. H. Amos, Geologists
U. S. Geological Survey

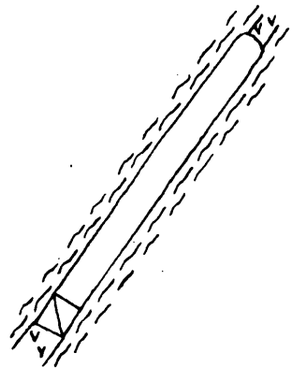
James F. O'Neill, Mining Engineer
U. S. Bureau of Mines

Date: May 5, 1954

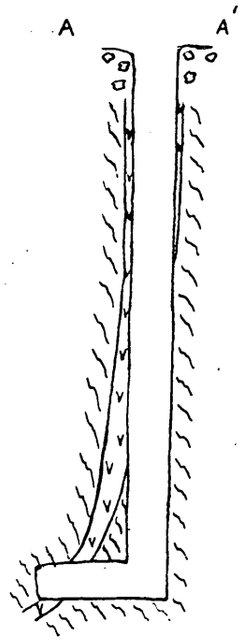




PLAN 60' LEVEL



PLAN 38.5' LEVEL



SECTION A-A'

0 20' 40'

SCALE

SKETCH OF
HARP MINE
LAMAR CO., GA.

DMEA-2872

Form MF-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of March, 1954 Docket No. DMEA 2872 Contract No. Idm- E 559
Operator's Name Empire Mica Co. Minerals Mica
Address Spruce Pine, N. C.
Contract Amount, $ 7,400.00 Government Participation: 90 % Amount, $ 6,660.00

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						
Bulldozing		135.00	135.00			
Crosscutting						
Drifting (36 ft.)	1260.00	2100.00	3360.00			
Shafting		2520.00	2520.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering		240.00	240.00			
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	$1260.00	$4995.00	$6255.00	1,260.00	4,995.00	6,255.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 4-8-54 *Payee Empire Mica Co.
Per Sam L. 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:

$ 1,134.00

Signature Cora A. Pi
(Authorized Certifying Officer)

Date APR 15 1954 Vou. No. 270

(See other side)

C-3/31/54

1260.00

(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-559 in accordance with the terms of the contract.

Signature J F O'Neill Title Engineer Date 9-12-54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title ACTING EXECUTIVE OFFICER DMEA REGION VII Date APR 14 1954

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 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 195 4 Docket No. DMEA 2872 Contract No. Idm- E 559

Operator's Name Empire Mica Co. 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	Unit Costs
Drifting	Ft.	1260.00	36	3360.00	96	35.00	100	35.00
Crosscutting								
Raising								
Shafts	Ft.			2520.00	60	42.00	75	42.00
~~Winzes~~ Timbering	Ft.			240.00	30	8.00	75	8.00
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing	Hr.			135.00	13½	10.00	15	10.00
TOTAL DISTRIBUTED COSTS		1260.00		6255.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$ 1260.00		$6255.00				

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 4-8-54 Operator Empire Mica Co.

Per Sam L. 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)

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 83-38475

OPERATORS
MONTHLY PROGRESS REPORT
for the
Month of March, 1954

EMKA No. 2272

COPY

Work Accomplished

We have drifted a total of 36 feet for the month of March.

Daily Notes

March 1 - 5 Pumped out water, mucked and drilled.

March 8 - 12 Pumped out water each morning, mucked, drilled and did some shooting.

March 15 - 19 Pumped out water, mucked and drilled.

March 22 - 26 Pumped out water each morning, did more shooting and drilling.

March 29 - 31 Pumped out water, mucked and drilled.

IN REPLY REFER TO:

G-MD-CMX

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

May 11, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2872 (mica)

To: L. W. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant: Empire Mica Co., Spruce Pine, N. C.
Name of property: Harp Mine.
Location of property: Lamar County, Georgia.
Date of field team report: May 5, 1954.
Authorship of field team report: K. H. Teague, L. E. Shirley, and D. N. Amos.
Field team's recommendation:

1. Termination.
2. No certification.
3. No additional work.

Comments:

No commercial mica discovered.

ACTION RECOMMENDED:

Follow field team's recommendation.

D. M. Larrabee

Larrabee:jeh
5/11/54
cc: Director's reading 4212
Branch reading 4212
DMEA 3
Larrabee G-230

MAY 10 1954

May 6, 1954

Memorandum

To: Operating Committee, D M E A- Washington

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

Subject: Final Report, DMEA-2872, Idm-E 559 (mica), Harp Mine, Lamar County, Georgia. Engdre Mica Co. Spruce Pine, N. C.

Enclosed are 4 copies of the final report on the subject exploration contract by the Field Team, and 4 copies of Operator's report.

We agree with the examiners' conclusion that certification is not warranted.

Robert A. Lawrence

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

RAL/sm
cc:
Beck
O'Neill
Files
Division Copy

Spruce Pine, North Carolina
April 23, 1954

Mr. Robert A. Lawrence, Executive Officer
DMEA - Field Team, Region 7
Room 13, Post Office Building
Knoxville, Tennessee

Re: DMEA-2372, Ion-3599 (Mica)
Harp Mica Mine, Georgia
Final Report

Dear Mr. Lawrence:

The following will serve as a final report on the operations of the above mine:

Work began on this project in June, 1953. We bulldozed a cut-out and uncovered a small vein about 3 feet under the ground which we bulldozed down to hard rock. As a result of the bull dozing we were able to locate a shaft, and we thought we had the best possibility of uncovering a good mica vein. We sank the shaft through slate for about 30 feet and then after picking up a little flint and quartz we continued to sink the shaft to 60 feet in all. At the 55 foot level we drifted N. E. 20 ft. most of which was through slate and some vein material, but no mica. We then drifted 10 ft. S. W. from the 55 foot level and although we were in a little vein material, no mica of strategic quality was recovered. We drove a cross-cut approximately 26 ft. from this same level of the shaft and were in flint, feldspar and quartz most of this distance, and again did not find any strategic quality mica.

At the 37 ft. level of our shaft we drove a drift 40 ft. N. E. and were in vein material most of the 40ft, which consisted of feldspar and flint and very little mica - none of strategic quality. We did a total of 96 feet of drifting and cross-cutting

and the contract was terminated mutually at that point.

We wish to express our appreciation for the cooperation of the government engineers on this project. If there is any other information that you need, please let us know.

Very truly yours,

(Signed)

Sam L. Phillips

SLP/mb
Sketch attached

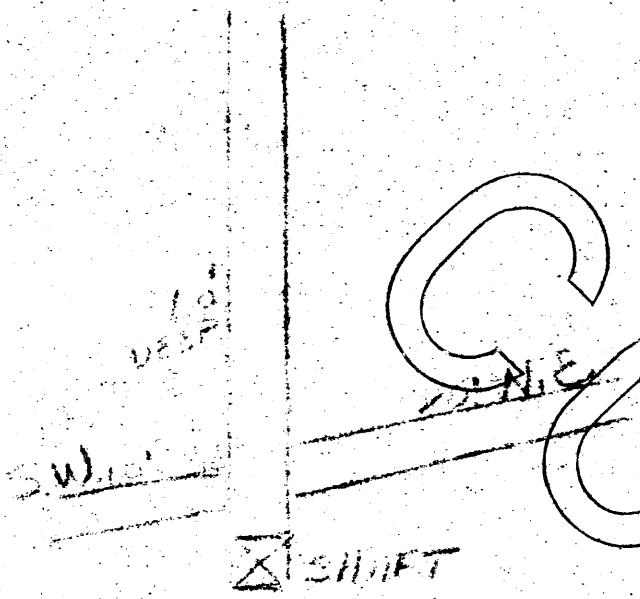
COPY

RECEIVED
APR 30 1954

RECEIVED
APR 30 1954
U. S. Geological Survey
Geologic Division
Knoxville, Tenn.

HALF LINE

BACK CROSS CUT



COPY

-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 4/7

REFERRED TO:

1. ~~500~~
2. 140
3. 600
4.

FOR:

.....	Action	.....	Recommendation
.....	Approval	.....	Record
.....	Comment		of .....
.....	Conference	.....	Referring
.....	Consideration		to .....
.....	Filing	.....	Reply for signa-
.....	Instructio		ture of .....
.....	Investigatio	.....	Rewriting
.....	Initials	.....	Signature
.....	Mailing	.....	Suggestions
.....	Previous correspondence	.....	Your information

RECEIVED
APR 12 1954
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

REMARKS:

Check (X) before the items needing attention.

Legal says not action as serving per Rules -
wra 4/21/54

ROBERT E. A

Initials of sender.

GPO 16—63815-1

April 2, 1954

Interim Report

DMA No. 2872 - Mica
Idm-L-559 Mary Mine
Empire Mica Company
Spruce Pine, North Carolina

Location: Near southern boundary of Baker County, Georgia, 4.5 airline 59° W. Barnesville, Georgia.

Work completed to date is 62 feet of crosscutting and drifting on the 60' level and 34' of drifting at the 35.5 ft. level.

The face of the 35.5 ft. level was in wall rock and dike. The pegmatite consisted of feldspar with a few scattered small book of poor quality mica. The total footage allowed on this contract was 100 ft. and at the date of this visit it was 4 feet short of the objective. The miners experienced considerable difficulty in pulling the last few rounds and stated that they were out of material and equipment and it would be necessary to make a trip to North Carolina for supplies in order to get the remaining 4 feet. Recent blasting did considerable damage to the shaft timbering and in view of the poor mica showing in the drift, it appeared to be unwarranted work and is recommended that this contract be considered completed.

J. F. O'Neill
Mining Engineer
Mining Development Branch
Mining Division, Reg. VII

JF O'Neill:jb

cc: R. A. Laurence, Reg. & S
Regional Director, Reg. VII
F. J. Lynch
A. A. McInney
J. F. O'Neill
My file
File

RECEIVED
APR 12 1954
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

237

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

PAID VOUCHER Department of the Treasury Defense Minerals Administration 55

RECEIVED MAR 24 1954

Month of February, 1954 Docket No. DMEA 2872 Contract No. Idm- E 559
Operator's Name Empire Mica Co. Minerals Mica
Address Spruce Pine, N. C.
Contract Amount, $7,400.00 Government Participation: 90% Amount, $6,660.00

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Supervision						
Technical Services						
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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	$1225.00	$3770.00	$4995.00	1,225.00	3,770.00	4,995.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 3-4-54 *Payee Empire Mica Co.
Per Sam L. 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:

$1,102.50

Signature Cora A. Fiser
(Authorized Certifying Officer)

Date MAR 16 1954 Vou. No. 237
(See other side)

122.50

(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 655 in accordance with the terms of the contract.

Signature J. F. O'Neill Title Engineer Date 3-9-54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION VII Date MAR 11 1954

MONTHLY REPORT OF OPERATOR

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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 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 24 1954

Month of Feb. 195 4 Docket No. DMEA 2872 Contract No. Idm-E 559
Operator's Name Empire Mica Co. 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	Unit Costs
Drifting	Ft.	1225.00	35	2100.00	60	35.00	100	35.00
Crosscutting								
Raising								
Shafts	Ft.			2520.00	60	42.00	75	42.00
~~Winzes~~ Timbering	Ft.			240.00	30	8.00	75	8.00
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing	Hr.			135.00	13½	10.00	15	10.00
TOTAL DISTRIBUTED COSTS		1225.00		4995.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1225.00		$4995.00				

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 3-4-54 Operator Empire Mica Co.

Per Sam L. 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)

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 83-38475

DEPARTMENT OF THE INTERIOR
Domestic Minerals Administration
RECEIVED
MAR 24 1954

OPERATORS
MONTHLY PROGRESS REPORT
for the
Month of February, 1954

DMEA No. 2872

Work Accomplished

We have drifted a total of 35 feet for this month.

Daily Notes

February	1 -3	Mucked and drilled.
February	4 - 5	Did some shooting and drilled.
February	8 - 9	Pumped out water and mucked.
February	10 - 12	Mucked, Drilled and Pumped put water.
February	15 - 17	Pumped out water and drilled.
February	18 - 19	Mucked and drilled.
February	22 - 24	Pumped out water and drilled.
February	25 - 26	Mucked and drilled.

INTERIM REPORT
On
DMEA-2872, Idm-E 559, HARP MINE (mica)

Operator: Empire Mica Co. Spruce Pine, North Carolina

Location: Near southern boundary of Lamar County, Georgia, 4.5 airline miles S. 9° E. of Barnesville, Georgia

Drifts have been driven along the pegmatite from the crosscut on the 60 foot level; 20 feet to the northeast and 10 feet to the southwest. No strategic mica was discovered in the work at this level. The shaftwas then floored at 38.5 feet and a drift extended 24 feet northeastward. The pegmatite in this drift is about 4.5 feet thick. It strikes N. 50° E. and is vertical. The pegmatite consists of feldspar and scattered small books of poor quality mica. The remaining drift footage on the contract is to be used in extension of the drift to the northeast.

Date of Exam:
March 24, 1954.

Dewey M. Ames, Geologist
U. S. G. S.

J. F. O'Neill, Mining Engineer
U. S. B. M.

Mr. Anderson

C O P Y

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

March 15, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region VII

Subject: Amendments to Contracts

Reference is made to your letter of March 11.

The following actions have been taken:

DMEA-2784, Idm-E519, Amendment is being prepared. We have been trying to get the operators back to work on this job.

DMEA-2785, Idm-E518. Completed

DMEA-2840, Idm-E507. Completed

DMEA-2872, Idm-E559. Amendment has been sent to Operator; signed copies not yet returned.

DMEA-2873, Idm-E562. Amendment has been sent to Operator; signed copies not yet returned.

DMEA-2917, Idm-E561. Completed

DMEA-2921, Idm-E548. Amendment sent to you March 10.

DMEA-3008, Idm-E560. Completed.

/s/
Robert A. Laurence
Executive Officer
DMEA Region VII

March 15, 1954

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Amendment No. 1 and Amendment No. 2 - Docket No. DMEA-2872 - Mica
Empire Mica Company
Harrison W. Harp Mine
Lamar County, Georgia
Contract No. Idm-E559

Amendment No. 1 amends Article 3 to read 12 months or June 29, 1954, as the completion date for the contract. The Nonmetallic Minerals Division concurs in the amendment as written and executed in the field.

Amendment No. 2 amends Exhibit "A" under Description of the Work and changes Item 3 and the line immediately following to read "Drift and/or crosscut" instead of "Drift". Under Agreed Unit Costs of Exhibit "A", the last item is changed to read "Drifting and/or crosscutting" instead of "Drifting". The Nonmetallic Minerals Division concurs in the amendment as written and executed in the field.

LGHouk:gad 3/15/54
Copy to: Admr. R. File
Docket File
Mr. Houk

MAR 11 1954

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

Dear Mr. Laurence:

We wish to call your attention to the following dockets, the completion dates of which may require extension by amendment:

Docket	Contract	Completion date
DMEA-2784	Idm-E519	February 14, 1954
DMEA-2785	Idm-E518	February 14, 1954
DMEA-2840	Idm-E507	February 9, 1954
DMEA-2872	Idm-E559	February 28, 1954
DMEA-2873	Idm-E562	March 2, 1954
DMEA-2917	Idm-E561	March 2, 1954
DMEA-2921	Idm-E548	February 15, 1954
DMEA-3008	Idm-E560	March 2, 1954

In those cases where this will be necessary and you approve, will you please furnish us copies of such amendments.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

D. M. Larrabee

Member, Geological Survey

WCAnderson:gad 3/8/54
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

INTERIM REPORT
ON
DMEA-2872, Idm-K 559, HARP MINE (mica)

Operator: Empire Mica Co., Spruce Pine, North Carolina

Location: Near southern boundary of Lamar County, Georgia, 4.5 airline miles S. 9° E. of Barnesville, Georgia

A crosscut has been driven N. 5° W. for a total of 29 feet from the 60 foot level. A pegmatite was cut at 5 feet in the crosscut. It strikes N. 40° E. and dips 78° N.W., and is 0.75-2.5 feet thick. Only burr mica is present in the pegmatite. The enclosing rock is highly pegmatized biotite-garnet gneiss which strikes N. 30° E. and dips 50° SW. It was recommended to the operator that drifts be driven from the crosscut both directions on the pegmatite, concentrating the major portion of the work to the northeast.

19th Feb. 1954.

K. H. Teague & Dewey H. Ames, Geologists
U. S. G. S.

J. F. O'Neill, Mining Engineer, U.S.B.M.

Mr. Anderson

D. M. E. A.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

SOUTHEASTERN REGION
REGION VII
HAMILTON BANK BUILDING

OFFICE OF
REGIONAL DIRECTOR

POST OFFICE BOX 1909
KNOXVILLE, TENNESSEE

Defense Minerals Administration
RECEIVED
FEB 23 1954

February 19, 1954

Memorandum

To: J. L. Chambers, Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

From: Chief, Administrative Division, Region VII, Knoxville, Tennessee

Subject: Monthly Reports and Vouchers

We are enclosing two copies each of the following monthly reports and vouchers:

Idm-E-559	Empire Mica Company DMEA Docket No. 2872 6th payment - month of January Amount $1089.90
Idm-E-602	Joe A. Beasley DMEA Docket No. 2871 4th payment - month of January Amount $720.00
Idm-E-612	E. R. Wellmon DMEA Docket No. 3130 4th payment - month of January Amount $850.50
Idm-E-629	Joe A. Beasley DMEA Docket No. 3155 2nd payment - month of January Amount $378.00

Helen Miller
Helen R. Miller

Enclosures 8
/hbm
Copies to W. A. Beck
R. A. Laurence
Region Files
Day Files

BUREAU OF MINES
WASHINGTON, D. C.

FEB 23 10 23 AM '54

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Department of the Interior
Defense Minerals Administration
RECEIVED
FEB 23 1954

Month of January, 1954 Docket No. DMEA 2872 Contract No. Idm-E 559
Operator's Name Empire Mica Co. Minerals Mica
Address Spruce Pine, N. C.
Contract Amount, $7,400.00 Government Participation: 90% Amount, $6,660.00

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						
Bulldozing		135.00	135.00			
Crosscutting						
Drifting	875.00	None	875.00			
Shafting	336.00	2184.00	2520.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering		240.00	240.00			
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	$1211.00	$ 2559.00	$ 3770.00	1211.00	2559.00	3770.00

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-50

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 2-2-54 *Payee Empire Mica Co.

Per Sam L. 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:

$ 1,089.90

Signature Cora A. Piper
(Authorized Certifying Officer)

Date FEB 17 1954 Vou. No. 222

(See other side)

121.10

(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-559 in accordance with the terms of the contract.

Signature J. F. O'Neill Title Engineer Date 2-9-54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Laurence Title EXECUTIVE OFFICER DMEA REGION VII Date FEB 15 1954

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 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Jan. 1954 Docket No. DMEA 2872 Contract No. Idm-E 559
Operator's Name Empire Mica Co. 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	Unit Costs
Drifting	Ft.	875.00	25	875.00	25	35.00	100	35.00
Crosscutting								
Raising								
Shafts	Ft.	336.00	8	2520.00	60	42.00	75	42.00
~~Wines~~ Timbering	Ft.			240.00	30	8.00	75	8.00
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing	Hr.			135.00	13½	10.00	15	10.00
TOTAL DISTRIBUTED COSTS		1211.00		3770.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1211.00		$3770.00				

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 2-2-54 Operator Empire Mica Co.

Per Sam L. 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)

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 83-38475

OPERATORS
MONTHLY PROGRESS REPORT
for the
Month of January , 1954

DMEA No. 2872

Work Accomplished

We have continued to shaft advancing 8 feet for this month and 25 feet of drifting.

Daily Notes

January	4 - 6	Pumped out water, mucked and drilled.
January	7 - 8	Mucked and drilled.
January	11 - 12	Did some shooting and drilled.
January	13 - 15	Pumped out water, mucked and drilled.
January	18 - 19	Pumped out water and drilled.
January	20 - 22	Pumped out water, and drilled.
January	25 - 26	Did some more shooting.
January	27 - 29	Pumped out water, Mucked and drilled.

INTERIM REPORT
On
DMEA-2872, Idm-E 559 (mica)
HARP MINE

Operator: Empire Mica Company, Spruce Pine, North Carolina

Location: Near southern boundary of Lamar County, Georgia, 4.5 airline miles S 9° E. of Barnesville, Georgia

The shaft has been sunk to a depth of 60 feet. The mine was flooded during the last visit and the extent of crosscut and drift could not be determined, but according to the operator it has been advanced about 28 feet. The pegmatite left the northwest side of the shaft at 45 feet. At this point the pegmatite strikes N 40° E and dips 55° NW. It is about 4.5 feet thick. The pegmatite flattens very rapidly in the lower 10 feet exposed. Level work was begun from the 60 foot level rather than the proposed 70 foot level because of this flattening.

Date of last
examination. Feb. 5, 1954

Keiton A. Tongue and Dewey H. Amos
U. S. Geological Survey
and
Wm. A. Beck, U. S. Bureau of Mines

zm

Form MF-104 (Rev.)
(April 1952)

Mr. Anderson

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

187

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

ADD ON VOUCHER & SCHEDULE
PAYMENTS INTERIOR
41

OPERATOR'S MONTHLY REPORT AND VOUCHER

RECEIVED
JAN 20 1954

Month of December, 1954 Docket No. DMEA 2872 Contract No. Idm- E 559
Operator's Name Empire Mica Co. Minerals Mica
Address Spruce Pine, N. C.
Contract Amount, $7,400.00 Government Participation: 90 % Amount, $6,660.00

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						
Bulldozing		135.00	135.00			
Crosscutting						
Drifting						
Shafting	546.00	1638.00	2184.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering		240.00	240.00			
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	$ 546.00	$ 2013.00	$ 2559.00	546.00	2013.00	2,559.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 1-4-54 *Payee Empire Mica Co.
Per Sam L. 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:

$ 491.40

Signature Cora A. Piper
(Authorized Certifying Officer)
Date JAN 15 1954 Vou. No. 187
(See other side)

5

5460

(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. 559 in accordance with the terms of the contract.

Signature J. F. Neill Title Engineer Date 1-7-54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lemmer Title EXECUTIVE OFFICER DMEA REGION VII Date JAN 12 1954

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 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 20 1954

Month of Dec. 1953 Docket No. DMEA 2872 Contract No. Idm- E 559
Operator's Name Empire Mica Co. 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	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts	Ft.	546.00	13	2184.00	52	42.00	75	42.00
~~Winzes~~ Timbering	Ft.			240.00	30	8.00	75	8.00
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing	Hr.			135.00	13½	10.00	15	10.00
TOTAL DISTRIBUTED COSTS		546.00		2559.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$546.00		$2559.00				

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 1-4-54 Operator Empire Mica Co.

Per Sam L. 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)

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 83-38475

OPERATORS
MONTHLY PROGRESS REPORT
for the
Month of December, 1953

DMEA No. 2872

Work Accomplished

We have advanced 13 feet of shafting for the month of December. We have encountered hard rock and we are still having trouble with the water.

Daily Notes

December	1 - 4	Pumped out water, did more shooting and drilled.
December	7 - 9	Mucked, and drilled.
December	10 - 11	Pumped out water and mucked and drilled.
December	14 - 16	Did more shooting and drilled.
December	17 - 18	Mucked and drilled.
December	21 - 22	Pumped out water and drilled.
December	28 - 29	Mucked and drilled.
December	30 - 31	Pumped out water and mucked.

U. S. Bureau of Mines
RECEIVED
JAN 7 1954
Southern Experiment Station
Box L, University, Ala.

Mr. Anderson

F-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

165

ON VOUCHER & SCHEDULE

OPERATOR'S MONTHLY REPORT AND VOUCHER

K- 35

Month of November, 1953 Docket No. DMEA 2872 Contract No. Idm-E 559
Operator's Name Empire Mica Co. Minerals Mica
Address Spruce Pine, N. C.
Contract Amount, $ 7,400.00 Government Participation: 90% Amount, $ 6,660.00

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						
Bulldozing		135.00	135.00			135.00
Crosscutting						
Drifting						
Shafting	210.00	1428.00	1638.00			1638.00
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering	40.00	272.00	312.00			240.00
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	$250.00	$1835.00	$2085.00	178.00*	1835.00	2,013.00

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 12-2-53 *Payee Empire Mica Co.

Per Sam L. 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:

$ 160.20

Signature Cora A. Piper
(Authorized Certifying Officer)

Date DEC 11 1953 Vou. No. 165
(See other side)

* A deletion of $72.00 is made because of overcharge on timbering. See letter attached.

(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. F-559 in accordance with the terms of the contract.

Signature J. F. O'Neill Title Engineer Date 12/8/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION VII Date DEC 10 1953

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 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1953 Docket No. DMEA 2872 Contract No. Idm-E 559

Operator's Name Empire Mica Co. 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	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts	Ft.	210.00	5	1638.00	39	42.00	75	42.00
~~Winzes~~ Timbering	Ft.	40.00	5	312.00	~~39~~ 38	8.00	75	8.00
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing	Hr.			135.00	13½	10.00	15	10.00
TOTAL DISTRIBUTED COSTS		250.00		2085.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$250.00		$2085.00				

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 12-2-53 Operator Empire Mica Co.

Per Sam L. 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)

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 83-38475

OPERATORS
MONTHLY PROGRESS REPORT
for the
Month of November, 1953

DMA No. 2872

Work Accomplished

We advanced only 5 feet of shafting and 5 feet of timbering this month. We have encountered too many difficulties and didn't get to work very much.

Daily Notes

November	2- 4	Mucked, did some shooting and drilled.
November	5 - 6	Encountered strong water, pumped out water.
November	9 - 11	Mucked, set in timber.and drilled.
November	12 -13	Mucked, and set in timber.
November	16 - 18	Pumped out water, did some more shooting and drilling.
November	19 - 30	We didn't get to work.

December 10, 1953

Mr. Sam L. Phillips
Empire Mica Co.
Spruce Pine, N. C.

Re: DMA-2872, Idm-E 559 (mica)
Harp Mine, Lamar County, Georgia

Dear Mr. Phillips:

Your monthly report and voucher on the subject contract was received in this office today and is being sent to the Finance Office for payment with a deletion of $72.00 for 9 feet of timbering which has not been done. Our Engineers visisted your project on November 20 and reported 39 feet of shaft sinking and 30 feet of timbering. Again on December 8th the project was visited and by actual measurement the shaft was 42 feet deep and only 30 feet of timber was in. Yet on your October report you reported 34 feet of timbering and your November report shows 39 feet.

With this deletion your total to date colum should be as follows: Bulldozing - $135.00; shafting - $1,638.00; Timbering $240.00. Please correct your copies of the reports to coincide with ours.

It is our understanding that the ground is now firm enough so that no more timber will be necessary in the shaft. However, your contract calls for a partitioned ladder way which will be part of the shaft sinking cost. This partitioned ladderway should be carried down as you sink and should be as close to the bottom as possible but not close enough to be damaged by blasting.

Very truly yours,

Robert A. Laurence
Executive Officer, DMA
Region 7

WAB/sm
cc:
Peck
Lynch
Finance Office
Quarters
O'Neill

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

DEC 3 - 1953

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

Re: Ida-2559, DMEA-2872
Empire Mica Company
Harp Mine (Mica)

Dear Mr. Laurence:

The July, August and September, 1953, Forms MF-104 for the referenced Exploration Project Contract indicate that the Operators have claimed for and been reimbursed by the Government on the basis of having performed the following work:

34 feet of shaft sinking	$42.00/ft.	$1,428.00
34 feet of shaft timbering	$8.00/ft.	272.00
13½ hours of bulldozing	$10.00/hr.	135.00

In an Interim Report, dated November 20, 1953 and covering a visit to the project on November 18, 1953 by J. F. O'Neill, Mining Engineer, and Ben Gildersleeve, Geologist, there appears the following statement:

"The shaft was 35 feet deep and was timbered to 30 feet; partially partitioned with ladderway 20 feet from the collar. There was no extension ladderway to the bottom."

It appears, therefore, that the Operator has claimed and been paid for:

(1) Shaft timbering that was not performed; and
(2) Shaft sinking not fully meeting the contract specifications, since the unit cost was to include the cost of a partition between compartments and the ladders.

The matter is brought to your attention in order that corrective action, if required, may be taken in the payment of subsequent Forms MF-104 submitted by the Operator.

LDTalbert/wb
December 2, 1953

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

Sincerely yours,

(Signed) J. L. Chambers
Jay L. Chambers, Chief
Contract Administration
and Audit Division

November 20, 1953

Interim Report

DMEA No. 2872 - Mica
Harp Mine
Empire Mica Co.
Contract No. Idm-E-559.

Subject project was visited on November 18, 1953 with Ben Gildersleve. About one hour was spent on site.

The shaft was 39 feet deep and was timbered to 30 feet; partially partitioned with ladderway 20 feet from the collar. There was no extension ladderway to the bottom.

The project was not being operated in a workmanlike manner. The following unsafe practices were observed at the site:

Blasting power was stored in the bed of the truck with tools, oil, and detonators; and was hauled from and to the workingmen's home and mine each day.

Loose rocks were lying on the timber at the collar of the shaft and also in the shaft and on the one landing. Loose wire hoses and tools were scattered helter skelter around the collar of the shaft.

The cable attachment to the bucket bail was inadequate. It had a single clamp and was installed without a collar.

The men were working in the shaft without lights and hard hats.

The bucket was being hoisted with the use of one safety ring, the second one was tied to the bail.

There was no signal system in the shaft.

The sheave attachment to the boom pole did not appear adequate.

Corrective measures were recommended for all unsafe practices observed.

The bottom of the shaft was in the footwall of the dike. A small flow of water was encountered that was being handled by bailing out with the bucket.

J F O'Neill

J. F. O'Neill, Mining Engineer
Mining Development Branch
Mining Division, Region VII

Ben Gildersleve,
U. S. Geological Survey

JFO'Neill:al

cc: Regional Director, Region VII
R. A. Laurence, orig. & 5
V. J. Lynch
A. A. McKinney
Ben Gildersleve
J. F. O'Neill
Day File
File

Mr. Anderson

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

PAID ON VOUCHER & SCHEDULE OCT 28 1953 114

OPERATOR'S MONTHLY REPORT AND VOUCHER

23

Month of September, 195[illegible] Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name [illegible] Co. Minerals [illegible]
Address [illegible]
Contract Amount, $ 7,400.00 Government Participation: [illegible] % Amount, $ [illegible]

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						
Bulldozing		135.00	135.00			
Crosscutting						
Drifting						
[illegible]	210.00	1310.00	1420.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber [illegible]	40.00	232.00	272.00			
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	250.00	1585.00	1835.00	250.00	1,585.00	1,835.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 10-13-53 *Payee [illegible] Co.
Per Sam L. Phillips Title [illegible]rtner

*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:

$ 225.00

Signature Cora A. Pipes
(Authorized Certifying Officer)

Date OCT 23 1953 Vou. No. 114
(See other side)

3

25.00

(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-559 in accordance with the terms of the contract.

Signature A. F. Neill Title Engineer Date 10/19/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION VII Date OCT 21 1953

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 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1953 Docket No. DMEA 2072 Contract No. Idr-E 559
Operator's Name Empire Mica Co. 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	Ft.	210.00	5	1428.00	34	42.00	75	42.00
~~Winzes~~ Timbering	Ft.	40.00	5	272.00	34	8.00	75	8.00
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing	Hr.		-	135.00	13½	10.00	15	10.00
TOTAL DISTRIBUTED COSTS		250.00		1835.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		250.00		1835.00				

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 10-12-53 Operator Empire Mica Co.

Per Sam L. 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)

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 83-38475

DEPARTMENT OF THE INTERIOR
Defence Minerals Administration
RECEIVED
OCT 28 1953

OPERATORS
MONTHLY PROGRESS REPORT
for the
Month of September, 1953

DMEA No. 2872

Work Accomplished

We have advanced only 5 feet of shafting and timbering. We have been having some difficulties. We only worked three weeks this month.

Daily Notes

September	10 - 16	Mucked and drilled.
September	17 - 18	Timbered.
September	21 - 23	Mucked and drilled.
September	24 - 25	Timbered.
September	28 - 30	Mucked and drilled.

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

Mr Anderson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1953 Docket No. DMEA 2672 Contract No. Idr-D 559

Operator's Name Empire Mica Co. Minerals Ice

Address Spruce Pine, N. C.

Contract Amount, $ 7,400.00 Government Participation: 80 % Amount, $ 5,920.00

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						
Bulldozing						
Crosscutting		135.00	135.00			
Drifting						
Shafting	1218.00	None	1218.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives	232.00	None	232.00			
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	1450.00	135.00	1585.00	1,450.00	135.00	1,585.00

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-16

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 9-11-53 *Payee Empire Mica Co.

Per Leon L. 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)

145.00

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 1,305.00

Signature Cora A. Piper
(Authorized Certifying Officer)

Date SEP 23 1953 Vou. No. 85

(See other side)

(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. F 559 in accordance with the terms of the contract.

Signature J. F. O'Neill Title Engineer Date 9-17-53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. A. Beck Title ACTING EXECUTIVE OFFICER DMEA REGION VII Date SEP 18 1953

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 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 195 3 Docket No. DMEA 2872 Contract No. Idm-E 559

Operator's Name Empire Mica Co. 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	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts	Ft.	1218.00	29	1218.00	29	42.00	75	42.00
~~Winzes~~ Timbering	Ft.	232.00	29	232.00	29	8.00	75	8.00
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing	Hr.			135.00	13½	10.00	15	10.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1450.00		$1585.00				

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 9-11-53 Operator Empire Mica Co.

Per Sam L. 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)

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 83-38475

DMEA No. 2872

OPERATORS
MONTHLY PROGRESS REPORT
for the
Month of August, 1953

Work Accomplished

We began shafting and timbering and have advanced 29 feet for this month.

Daily Notes

August	3 - 4	Mucked and drilled.
August	5 - 6	Timbered.
August	7 - 11	Mucked and drilled.
August	12 - 13	Timbered.
August	14 - 18	Mucked and drilled.
August	19 - 20	Timbered.
August	21 - 26	Mucked and drilled.
August	26	Timbered.
August	27 - 28	Mucked and drilled.
August	31	Timbered.

Form MF-104 (Rev.)
(April 1952)

Mr Anderson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1953 Docket No. DMEA 2072 Contract No. Idm-2 659
Operator's Name Empire Mica Company Minerals Ica
Address Spruce Pine, N. C.
Contract Amount, $ 7,450.00 Government Participation: 90 % Amount, $ 6,660.00

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						
Bulldozing	136.00	None	136.00			
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	136.00		136.00			

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-14

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 8-21-53 *Payee Empire Mica Co.

Per Sam L. 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:

121.50 $ 121.50

Signature Cora A. Piper
(Authorized Certifying Officer)

Date SEP 11 1953 Vou. No. 75

(See other side)

2/23 1350

(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 559 in accordance with the terms of the contract.

Signature J. F. O'Neill Title Engineer Date 8/28/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION VII Date SEP 8 1953

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 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 195[illegible] Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name Empire Mica Co.
Address Berne Line, N. C.
Minerals Mica

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								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Building	Lrs.	135.00	13½	135.00	13½	10.00	10	10.00
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		135.00		135.00				

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 8-21-53 Operator Empire Mica Co.

Per Sam L. 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)

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 83-38475

OPERATORS
MONTHLY PROGRESS REPORT
for the
Month of July, 1953

Work Accomplished

We have bulldozed 13½ hrs. for the month.

Daily Notes.

July 28 Bulldozed 13½ hrs.

INTERIM REPORT

DMEA-2872, Idm-E559 (mica) HARRISON W. HARP MINE

Operator: Sam L. Phillips, John Phillips, and Lin Carpenter, all of Spruce Pine, N. C. partners, d/b/a Empire Mica Co.

Location: The mine is on the R. J. Caldwell farm near the southern boundary of Lamar County, Georgia. It is 4.5 airline miles S. 90 E. of Barnesville, Georgia.

This project has just started and the shaft was down 13 feet with 9 feet of it timbered. The shaft is still in weathered material, thus no drilling equipment is needed as yet on the project. The shaft is in pegmatite which is well zoned and has a quartz rib.

The project is being carried on in an efficient manner. However, several unsafe conditions were called to the attention of the foreman which he promised to correct.

August 21, 1953

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

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

sm

600

JUN 29 1953

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

Subject: Docket No. DMEA-2872 - Mica
Empire Mica Company
Harrison W. Harp Mine
Upson County, Georgia

Dear Mr. Laurence:

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

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

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

Copies of memoranda from the Bureau of Mines and the Geological Survey are enclosed.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

A. R. Kinkel, Jr.

Member, Geological Survey

Enclosures 10

SAFeitler:gad 6/17/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

P.S. The personal guaranty should be signed and notarized as indicated.

C

P

Y

Spruce Pine, North Carolina
June 22, 1953

Mr. Lawrence G. Houk
Nonmetallic Minerals Division
Department of Interior DMEA
Washington 25, D. C.

Subject: Docket No. DMEA-2872 - Mica
Harp Mica Miners
Harrison W. Harp (Clay Cheek) Mine
Larmar County, Georgia

Dear Mr. Houk:

We have made several attempts to get the owner of the Harp Mica Mine to sign the Owner's Consent To Lien. We have through our attorney in Barnesville, Georgia, who knows the Landlord well, attempted to get the Owner's Consent To Lien signed, but have failed to do so.

The Empire Mica Company a partnership, is doing business as the Harp Mica Miners and Empire Mica Company, will be glad to sign the Government's guarantee.

Sincerely yours,

Sam L. Phillips, Partner

SLP/lc

C
P
Y

Spruce Pine, North Carolina
June 22, 1953

Mr. Lawrence G. Houk
Nonmetallic Minerals Division
Department of Interior DMEA
Washington 25, D. C.

Subject: Docket No. DMEA-2872 - Mica
Harp Mica Miners
Harrison W. Harp (Clay Creek) Mine
Larmar County, Georgia

Dear Mr. Houk:

We have made several attempts to get the owner of the Harp Mica Mine to sign the Owner's Consent To Lien. We have through our attorney in Barnesville, Georgia, who knows the Landlord well, attempted to get the Owner's Consent To Lien signed, but have failed to do so.

The Empire Mica Company a partnership, is doing business as the Harp Mica Miners and Empire Mica Company, will be glad to sign the Government's guarantee.

Sincerely yours,

Sam L. Phillips, Partner

SLP/lc

June 17, 1953

Memorandum

Docket No. DMEA-2872 - Mica
Empire Mica Company
Harrison W. Harp Mine
Upson County, Georgia

To: Administrator

From: Nonmetallic Minerals Division

Subject: Waiver of MF-203

Recommendation: It is recommended that the Administrator waive the Owner's Consent to Lien in this case.

Data and conclusions:

Sam L. Phillips, John Phillips, and Lin Carpenter, a partnership (Empire Mica Company), have requested that the Owner's Consent to Lien be waived. Each has submitted a financial statement and is willing to give a personal guaranty for royalty payments under an exploration contract. (Legal says "contract obligation is equivalent to guaranty".)

Financial statements submitted by the three partners indicate net worth as follows:

4/15/53	Sam L. Phillips	$36,000.00
3/31/53	John Phillips	81,033.81
4/16/53	Lin Carpenter	118,000.00
		$235,033.81

The estimated cost of the project is $7,400.00 and Government participation, at 90%, is $6,660.00. On the basis of their aggregate net worth, the Nonmetallic Minerals Division recommends waiving the Owner's Consent to Lien.

Copies of the financial statements are attached.

Stanley A. Feitler
Nonmetallic Minerals Division

Attachments 3
SAFeitler:gad 6/17/53
Copy to: Admr. R. File
Docket File
Mr. Houk

UNITED STATES 140
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

June 15, 1953

Memorandum

To: The Administrator
Through: Mr. L. G. Houk

From: Chief Counsel

Subject: Empire Mica Company - Docket No. DMEA-2872

There is attached, in satisfactory legal form for execution, a contract covering the above-described project, subject to the following: Article 2(b) has been changed on the assumption that the Owner's Consent to Lien has been waived.

A E Rowe for
J. L. Hofflund
Chief Counsel

Attachments

APR 2 3 1953

Mr. Sam L. Phillips
Kapp Mica Mines
Burnsville, North Carolina

Subject: Docket No. [illegible]-1872 - Mica
Kapp Mica Mines
Harrison [illegible] Kapp (Gray Sheet) Mine
Lamar County, Georgia

Dear Mr. Phillips:

Reference is made to the circular legal description of the leased area in the subject application.

Circular legal descriptions are to be avoided. Please provide a legal description for the property involved using bearings and distances. The plat may be oriented so that only the four cardinal points of the compass and four distances are needed. The point of beginning of the legal description should be tied to a property corner or to a point along the property line which can be relocated at some future date.

Sincerely yours

SIGNED

Lawrence C. Houk, Chief
Nonmetallic Minerals Division

LCHouk:fla 4/23/53

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

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

April 7, 1953

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2872, Mica, Harrison W. Harp Mine,
Lamar County, Georgia

I concur in the field team's recommendation for an exploration program in the amount $7,400.

W. F. Dietrich

IN REPLY REFER TO:

G-MD-GDM

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

March 31, 1953

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2872 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant: Harp Mica Miners, c/o Sam. L. Phillips.
Name of property: Harrison & Harp mine.
Location of property: 4.5 mi. S. 9° E. of Barnesville, Georgia.
Date of field team report: March 16, 1953.
Authorship of field team report: Teague and O'Neill.
Field team's recommendation:
Bulldozer cut 50' x 15' x 10'
15' x 5' x 7', 2-compartment shaft
100' x 6' x 7' drift.
Comments: None.
ACTION SUGGESTED: Follow field team's recommendation.

D. M. Larrabee

Larrabee:jch
G-3/31/53
cc: Director's reading 4212
Branch reading 4212
DMEA 3
Larrabee G-230

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

COPY

Room 13, Post Office Bldg.
Knoxville 2, Tenn.

March 20, 1953

Memorandum

To: Operating Committee, D M E A - Washington

From: Field Team, DMEA-Region 7

Subject: Field Examination Reports.

Transmitted herewith are four copies each and six extra copies of the maps for the following recommended projects:

DMEA-2873, Short-Mitchell Mine (mica)
DMEA-2872, Harrison W. Harp Mine (mica)
DMEA-2886, Connolly Mine (mica)
DMEA-2861, White Oak Creek Mine (mica)
DMEA-2875, Cox Mine (mica)
DMEA-2914, Rev. Thaddeus Persons Mine (mica)
DMEA-2870, Grant Laws Mine (mica)

The Field Team is in agreement with the recommendations set forth in the above applications.

/s/ Wm. A. Beck, Acting
Executive Officer, DMEA
Region 7

/s/ Benjamin Gildersleeve
U. S. Geological Survey

Noted and by
DMEA OPERATING COMMITTEE

3-27-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM REGION VII

(MICA)

DMEA-2872, HARRISON W. HARP MINE
Lamar County, Georgia

By

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

—

James F. O'Neill, Mining Engineer
U. S. Bureau of Mines

March 16, 1953

Reviewed by
DMEA OPERATING COMMITTEE
3-27-53
(date)

DMEA REGION VII

Field Examination Report
on
DMEA-2872, Harrison W. Harp Mine
(Mica)
Applicant: Harp Mica Miners, c/o Sam L. Phillips
Spruce Pine, North Carolina

The field examiners are of the opinion that this deposit has merit for exploration. The quality of the mica is very good. Little pegmatite is now exposed, but apparently it has been worked along the strike over a distance of about 100 feet.

The mine was examined on March 6, 1953. Accompanying the field examiners on the examination were John Phillips and G. Young. The examination required two hours.

The Harrison W. Harp or Clay Creek mica mine is on the R. J. Caldwell farm near the southern boundary of Lamar County. It is 4.5 airline miles S. 9° E. of Barnesville, Georgia, and is reached by driving 4.5 miles south from Barnesville along the surfaced Yatesville road and then 0.4 miles southeast along a soil road. The mine is about 200 yards east of the road in a cultivated field. Access to the mine is good.

The applicants are competent to conduct the proposed exploration.

This property is held under a five-year lease by the applicants. Area covered by the lease is centered at the shaft shown on the attached map and is a circle with a radius of 300 feet. This circular area is of sufficient extent to provide adequate working space for the proposed exploration.

It is the field examiners impression that the past workings consisted of a filled open cut 85 feet long, 25 feet wide, and 20 feet deep. Also, a caved shaft, reported to be 40 feet deep, occurs at the northeast end of the cut. Dump material from the shaft is mostly unweathered pegmatite and there is semi-weathered pegmatite material in the dump from the open cut.

As no exposures are present the following description of the geology is taken from M. R. Klepper report of February 2, 1944:

"An essentially vertical pegmatite between 5½' and 6½' thick has been intruded into partially granitized biotite gneiss. The gneissic layering strikes about N 20° E and dips moderately southeast.

DMEA REGION VIII

"The pegmatite is symmetrically zoned. It consists of a central quartz rib from 1' to 2' thick. The quartz is enclosed by kaolinized or unweathered perthitic microcline averaging about 2' thick on each side. Between 6" and 1' of medium-grained barren pegmatite lies at both contacts of the pegmatite. Muscovite is concentrated in pockets in the coarsely crystalline perthite or between the quartz and the perthite. Some of the associated kaolinized feldspar may be plagioclase. There is no suggestion that the pegmatite has begun to taper in either direction along the strike or at the bottom of the mine. At the time of our examination muscovite books of good quality could be collected from the north face, but only a few small books were seen in the south face, which is partly overlapped by muck.

"Quality of Mica- Most of the Harp mica is rum or ruby colored "A". Mr. Harp has extracted books as large as 15" in diameter, and from these large "A" books flat 3" x 5" and 4" x 6" sheets have been trimmed. Mr. Arthur Buchanan, buyer for Colonial Mica Corp., in Georgia and Alabama, states that Harp mica ranks with Mitchell Creek and M. and G. mica as the finest quality currently being bought in this area. When trimmed, it is flat, and free from spots and clay stains.

"Production and Costs.- The Harp mine was operated for two months by a crew averaging 3 men. Sales of mica from the Harp mine to the Colonial Mica Corp., total 30.50 pounds of trimmed punch and 69.75 pounds of pattern, also 1125 pounds of scrap, a total of 1225.25 pounds valued at $522.50. Harp believes that the final lot of mica produced from the operation, and now being rifted and trimmed, will yield about $600 worth of trimmed punch and pattern ($6 per pound). 1/

"Costs during this operation are believed to have totalled about $800. There is no available record of total mine-run mica produced, but judging from the recorded sale of scrap, scrap on hand at Harp's shop and at the mine, and the examination of the faces of the stope, the ratio of waste rock to mine-run mica has been high, possibly between 150 and 200 to 1, but the value per ton of mine-run mica has also been high, possibly about $500."

After the Klepper report was prepared, Clay Cheek of Griffin, Georgia operated the mine, apparently by the open cut.

From the extent of the filled open cut and existing shaft, it would appear that this pegmatite has been worked along its strike over a distance

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1/ Mr. J. M. Davis, Colonial Mica Corp. representative at Thomaston, Ga. states that during the past week Harp has sold mica valued at $250, and that he now has prepared for sale 70 pounds of trimmed punch and pattern ($420 value) the last of the lot. Total value of mica produced during this operation has therefore been $1192.50.

DMEA REGION VI

of 125 feet. There has been no prospecting south of the filled cut, therefore the pegmatite's extent in that direction is not known. The field examiners recommend that a bulldozer cut be made at the south end of the filled cut to explore its possible extension in that direction. After this work is completed a shaft should be sunk to a depth of 75 feet and 100 feet of drifts driven from the 70-foot level to explore the mica content of the pegmatite. The location of the shaft is shown on the attached map, but this location should be dependant on results from the bulldozing. In the application the applicants propose to recondition the shaft. This approach is impracticable as recent rains have caused the shaft to cave; therefore, it will be necessary to sink a new shaft.

Estimated Cost of proposed work:

Bulldozer cut 50 x 15 x 10 ft.	
15 hrs. @ $10/hr.	$150.00
75-foot 5' x 7', 2-comp. shaft @ $50/ft.	3750.00
100 feet of 6' x 7' drift @ $35	3500.00
Estimated Total Cost.....	$ 7400.00

Estimated time required 100 shifts.

March 16, 1953

K. H. Teague, Geologist, USGS

J. F. O'Neill, Mining Engineer, USBM

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MAR 9 1953

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

Re: Docket No. DMEA-2872 - Mica
Harp Mica Miners
Harrison W. Harp (Clay Creek) Mine
Lamar County, Georgia

Dear Mr. Laurence:

Please arrange for a field examination of the subject mine and submit a report and your recommendation for the disposition of this application.

Two copies each of memoranda from the Geological Survey and the Bureau of Mines are enclosed for your information.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hodges

Member, Bureau of Mines

D. M. Lemmon

Member, Geological Survey

Enclosures 4

SAFeitler:gad 3/9/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Houk

MAR 9 1953

Mr. Sam L. Phillips
Harp Mica Miners
Spruce Pine, North Carolina

Re: Docket No. DMEA-2372 - Mica
Harp Mica Miners
Harrison W. Harp (Clay Creek) Mine
Lamar County, Georgia

Dear Mr. Phillips:

Your application for assistance in exploring the subject mine has been reviewed by the Nonmetallic Minerals Division of the Defense Minerals Exploration Administration and has been referred to Mr. Robert A. Lawrence, Executive Officer, DMEA Field Team, Region VII, Room 13, Post Office Building, Knoxville 2, Tennessee, for a field examination.

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

Sincerely yours,

E. D. Mittendorf

Administrator

SAFeitler:gad 3/9/53
Copy to: Admr. R. File
Docket File
Field Team, Region VII
Operating Committee
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Kenk

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

February 20, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 20 1953

Memorandum

To: Nonmetallic Minerals Division

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2872, Mica, Harrison W. Harp, Lamar County, Georgia

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

W. F. Dietrich

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 16 1953

REPLY REFER TO:
G-MD-CNM

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

February 13, 1953

Memorandum

REVIEW OF APPLICATION DMEA-2872 (Mica)

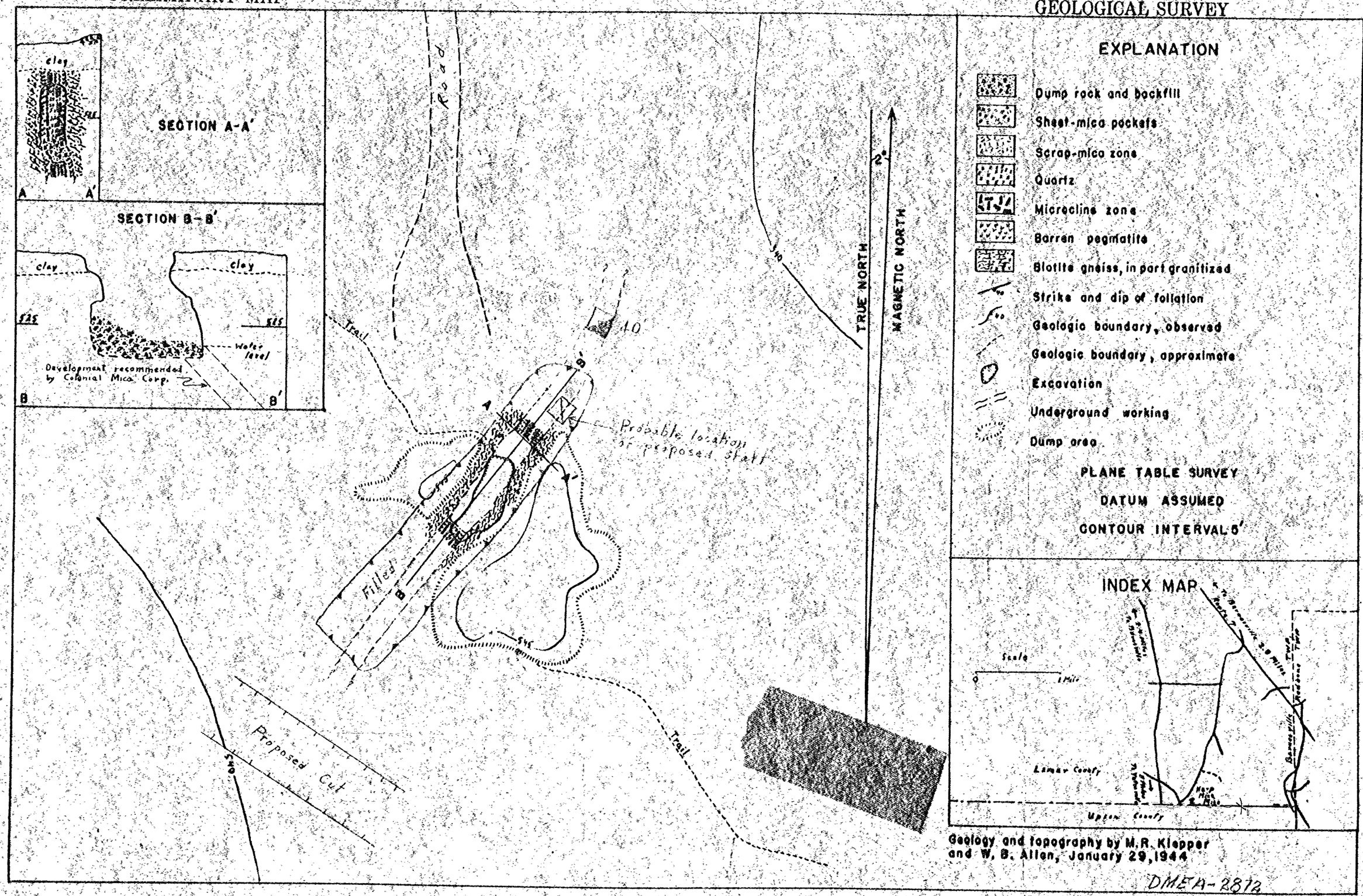
To: L. G. Houk, Defense Minerals Exploration Administration
From: R. E. Van Alstine, U. S. Geological Survey
Applicant: Harp Mica Miners (Sam L. Phillips, John Phillips, Lin Carpenter) of Spruce Pine, North Carolina.
Name of property: Harrison W. Harp (Clay Cheek mine)
Location of property: 3 miles from Barnesville, Lamar County, Georgia.
Estimated cost of project: $6,150.00.
Summary of applicant's proposal:
Rehabilitate shaft and deepen to 65-foot level.
Drive 100 feet of drifts.
Sources of information on applicant's property:
1) Klepper, M. R., 1944, Geologic map of Harrison W. Harp Mica Mine, Lamar County, Georgia: U. S. Geol. Survey Strategic Minerals Investigations Prelim. Map, Open files 4/24/44.
2) _____, 1944, Harrison W. Harp Mica Mine, Lamar County, Georgia: U. S. Geol. Survey unpubl. report, 3 pp.
3) Anonymous, Clay Cheek Mine: U. S. Geol. Survey unpubl. report, 3 pp., 1945.
4) Colonial Mica Corp. records.
Comments:
1) Colonial Mica Corp. records show production of 460 pounds of mica (small full, large full, and large 3/4) from this mine, valued at $2,661.
2) According to applicants' map and estimate of costs, the present depth of the shaft is 20 feet; elsewhere he says that the depth of the mine is 30 feet. The Survey's latest report on this mine describes the workings as follows:
"Mr. Cheek dug an open cut 85x25x20 feet by dragline and power shovel. He later sank a 40-foot shaft at the northeast end of the cut. A pit 9 feet deep, 50 feet northeast of the shaft, did not intersect pegmatite."
RECOMMENDATION:
Field examination.

n Alstine:jeh
13/53
: Director's reading 4212
Branch reading 4212
DMEA
Norton G-230
Van Alstine G-230

R. E. Van Alstine

STRATEGIC MINERALS INVESTIGATIONS
PRELIMINARY MAP

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



GEOLOGIC MAP OF HARRISON W. HARP MICA MINE

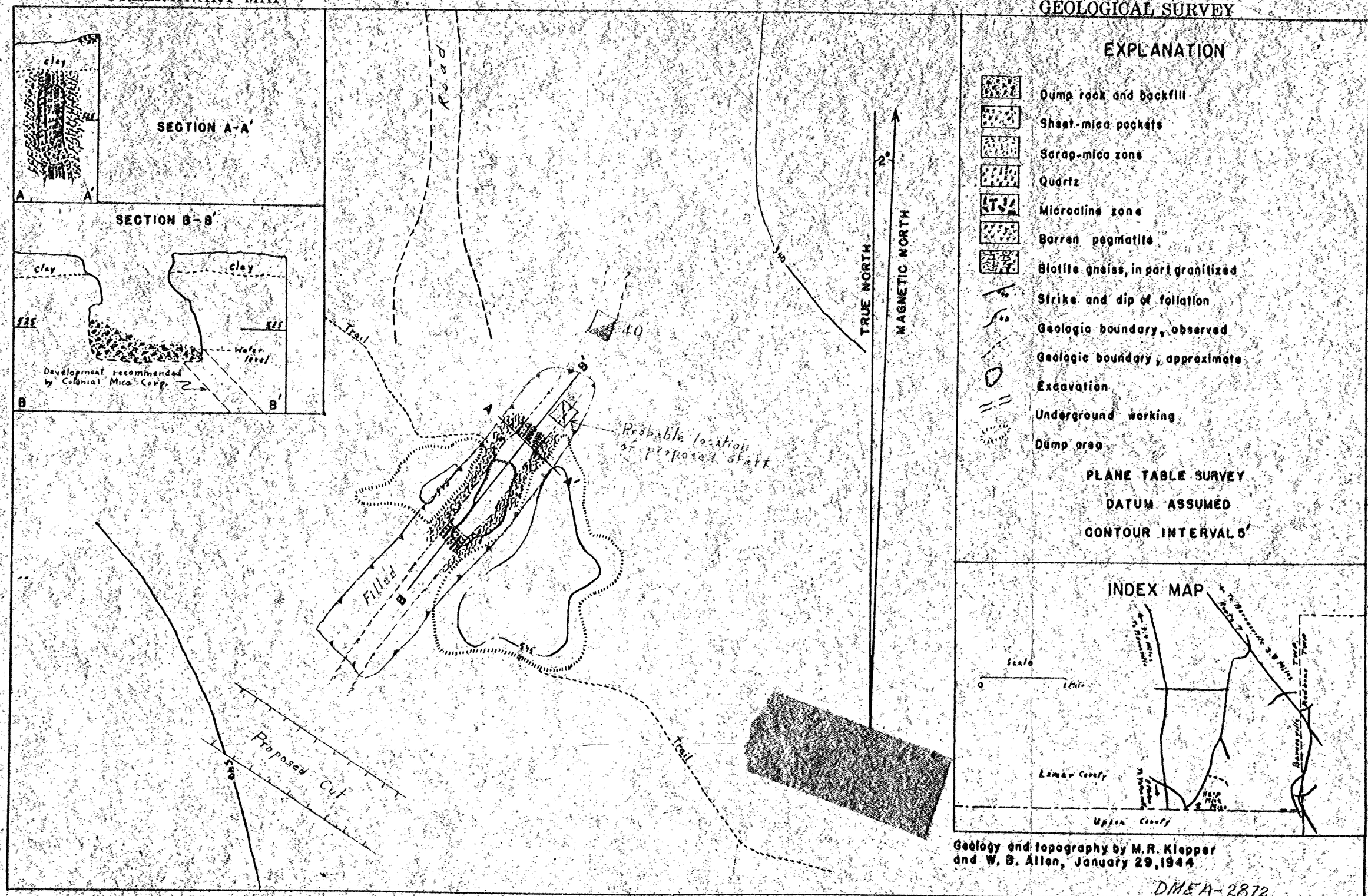
LAMAR COUNTY, GEORGIA

SCALE

20 10 0 20 FEET

STRATEGIC MINERALS INVESTIGATIONS
PRELIMINARY MAP

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



GEOLOGIC MAP OF HARRISON W. HARP MICA MINE

LAMAR COUNTY, GEORGIA

SCALE

20 10 0 20 FEET