DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3733

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Cys to USBM and USGS.

This document has been recorded as

Exploration

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Routing Slip

To:	600	Date	3/23/55
To:	Anderson	Date	3/25/55
To:	Oper Com	Date	4-7-55
To:	Oper Com	Date	5-26-55
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CONTROLLED DOCUMENT

Docket Copy
Surname:
Anderson
Houk
Hedges
Kiilsgaard
Selfridge
Johnson

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

MAY 27 1955

Messrs. George W. Nesbitt,
Howard Dugger and Dave Dugger
Elk Park, North Carolina

Re: Docket No. DMEA-3733 - Mica
George W. Nesbitt, Howard Dugger
and Dave Dugger
Martin Moretz Mine
Watauga County, North Carolina

Gentlemen:

Your application for aid for an exploration project and other reports available to us in Washington relating to the subject property have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information indicates to us that the probability of disclosing significant reserves of mica by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your property to our attention.

Sincerely yours,

C. O. Mittendorf

Administrator

WCAnderson:gad 5/17/55
Copy to: Admr. R. File
Docket
Field Team, Region V
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5222
Mr. Houk
Operating Committee

P.C.

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

Defense Minerals Administration
RECEIVED
MAY 26 1955

May 26, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Donald R. Irving, Acting for W. F. Dietrich,
Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3733 (mica)

Applicant: Nesbitt, Dugger and Dugger

Name and Location of Property: Martin Moretz Mine
Watauga County, North Carolina

Date of Field Team Report: 5-2-55

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 5-23-55

Field Team Recommendation:

1. Denial.

Comments:

1. Mica does not meet stockpile specifications.

2. Exposures at this mine are poor and give little evidence that a worthwhile deposit of strategic mica exists.

Recommendation:

I concur in the field team recommendation.

Donald R Irving
Donald R. Irving

Anderson

IN REPLY REFER TO:

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

May 20, 1955

Re: DMEA-3733
Nesbitt, Dugger & Dugger
Martin Moretz Mine
Elk Park, N. C.
Mica

Memorandum

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

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team report

The report of the examiners give the Field Team good reasons for recommending the denial of this application.

For: T. H. Kiilsgaard
N. E. Nelson

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

May 18, 1955

Memorandum

To: The Files

From: Walter C. Anderson, Nonmetallic Minerals Division

Subject: Evaluation of Application and Field Examination Report
Docket No. DMEA-3733 - Mica
George W. Nesbitt, Howard Dugger
Martin Moretz Mine
Watauga County, North Carolina

Denial of this application is recommended

Mica - Ruby colored, badly curved and warped, mineral stained.

Pegmatite - Unzoned, conformable to hornblende gneiss wall rock, 2½ to 4 feet thick, and exposed along strike for 35 feet.

Old workings - Bulldozer cut 6 feet deep by 35 feet long.

Method of exploring - Bulldozing, 250 feet of shaft and 150 feet of drift.

Economics - No previous production, mica is of non-strategic quality. No possibilities for production. The DMEA and the commodity members from the Geological Survey and Bureau of Mines concur in the Field Team recommendation to deny the application.

Walter C. Anderson
Nonmetallic Minerals Division

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

May 12, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, D. M. E. A Region 5, Knoxville, Tenn.

Subject: Field Examination Report: DMEA-3733(mica) Nesbitt, Dugger & Dugger, Elk Park, N. C. Martin Moretz Mine, N. C.

Enclosed are four copies of the subject examination report. The examination was made without field referral to avoid duplication of travel.

We agree with the recommendation for denial of the application.

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

V. J. Lynch
Member, Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE
5-20-55
(date)

Defense Minerals Administration
RECEIVED
MAY 13 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT
REGION V

ON

DMEA-3733, MARTIN MORETZ MINE (mica)
Watauga County, N. C.

By

Kefton H. Teague, Geologist
U. S. G. S.

D. H. Amos, Geologist
U. S. G. S.

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

May 4, 1955

Reviewed by
DMEA OPERATING COMMITTEE
5-20-55
date

FIELD EXAMINATION REPORT

DMEA-3733 (mica) MARTIN MORETZ MINE, N. C.

Applicants: Geo. W. Nesbitt, Howard Dugger and Dave Dugger, Elk Park, N.C.

Most of the mica at this mine is not of strategic quality. It is recommended that exploration assistance be denied.

The Martin Morentz is 4.0 airline miles N. 23° W of Boone, Watauga County, North Carolina. It is on the east side of Howard's Creek Road 5.5 miles by road from the junction of old U. S. Highway 221.

The deposit was examined on May 4, 1955. Mr. Dave Dugger accompanied the examiners on the examination which required one hour.

Only a limited amount of work has been done on the property. A bulldozer cut about 6 feet deep along a pegmatite has exposed it on its strike for about 35 feet. The body is 2 1/2 to 4 feet thick and shows no apparent zoning. It strikes N. 20° W. but has a variable dip which averages about 30° to the northeast. The pegmatite consists of plagioclase, perthite, quartz and muscovite, in order of abundance. It is conformable to the enclosing wall rock which is hornblende gneiss except for a thin zone of mica schist about 6 inches thick along the contacts of the body.

The mica tends to be distributed evenly throughout the pegmatite. It is ruby-colored, badly curved and warped and contains in part biotite-inclusions and other mineral staining. Most of the mica will not meet stockpile qualifications for strategic mica because of its curved character. Because of this application for exploration assistance should be denied.

May 4, 1955

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

and

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

z

Docket Copy
Surname:
Anderson
Hook
Mathews

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

APR 12 1955

Messrs. George W. Nesbitt,
Howard Dugger and Dave Dugger
Elk Park, North Carolina

Re: Docket No. DMEA-3733 - Mica
George W. Nesbitt, Howard Dugger
and Dave Dugger
Martin Moretz Mine
Watauga County, North Carolina

Gentlemen:

Your application for assistance in exploring the subject property has been reviewed by the Nonmetallic Minerals Division of the Defense Minerals Exploration Administration and has been found lacking in essential details. Processing of your application will be deferred until you submit the requested information as outlined in the Application Form MF-103 a copy of which is enclosed. Please follow this form as closely as possible and note the following:

Section 3, Paragraph (a). The legal description of the land upon which you wish to explore is inadequate. We are returning the lease and the six copies of Owner's Consent to Lien attached to your application for correction of the land description. Enclosed are seven copies of new type of Owner's Consent to Lien forms. Please fill out and obtain the necessary signatures on the new type forms, return six copies to this office, and supply a copy of the lease with an adequate land description. Please have the owners place their address after their names. An adequate land description is a legal description that gives the bearings and distances of the lines which enclose the property to be explored. The property must be referenced to a permanent and identifiable landmark, natural or artificial, as the center of a shaft, adit, building, benchmark, etc. This description must be written on the lease and the Owner's Consent to Lien. If insufficient room is provided in the space allotted you may use the back of the forms.

Paragraph 4(a). Give a description of past and present mining or exploration operations in detail as outlined.

Paragraph 4(b). State past and current production, ore reserves, if any, giving quantities and grade.

Paragraph 4(c). Give your reasons why you think this property should be explored; describing geological features such as outcroppings and size of pegmatite, as length, thickness, and depth. State the reasons why you think enough strategic grade mica

R.C.

will be found to warrant exploration. Evidence to support your reasoning as maps or sketches and reports will be useful.

Paragraph 4(d) and (e). Give the information as requested.

Section 5. Cover all the paragraphs as closely as possible. Note in 5(b) that you must describe fully the proposed work as bulldozing, shaft sinking, and drifting. You should submit a map of your property showing existing old workings, if any, and indicating proposed exploration work. It would be valuable if you would indicate on the map the outcrop and probable extent of the pegmatite.

Section 6. Cover all the paragraphs as closely as possible. Note in first paragraph "Estimate of Costs". Please make a cost estimate of proposed exploration project on a unit basis separately for bulldozing, shaft sinking, and drifting. Items entering into the cost for each of these operations should be listed and totalled.

Your application will receive consideration as soon as we receive the above requested information.

Sincerely yours,

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

Enclosures 15

LGHouk:gad 4/12/55
Copy to: Admr. R. File
Docket
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 5 1955

April 4, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3733 (mica)

Applicant: Nesbitt & Dugger

Name and Location of Property: Martin Moretz Mine
Watauga County, North Carolina

Date Application Rec'd. by Br. of Ceramic & Fert. Mtls.: 3/23/55

Comments:

1. No map was attached to the copy of the application received by this office.

2. Proposed exploration is not explicit and the estimate of expenditures should be made on a unit-cost basis.

3. The estimated costs of $24,465 are extremely high for a mica exploration project.

4. It is suggested applicant be requested to submit more detailed information regarding an exploration plan.

Recommendation:

No action should be taken on this application until the applicant furnishes additional information on the proposed project and related information.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 29 1955

March 25, 1955

Re: DMEA-3733
Nesbitt & Dugger
(Martin Moretz Mine)
Watauga Co., N. C.
$24,465 - Mica

Memorandum

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

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of application

The operator proposes bulldozing, open pitting and underground work which ultimately would involve 250 feet of shaft and 150 feet of drift.

We do not have any information in our files on this property.

From the limited data presented and the amount of money requested there appears to be very little justification for referring this application to the Field Team.

Before any further processing is undertaken, I recommend the operator be requested to submit a map of the deposit and additional substantiating evidence. There is nothing in the present application which suggests that mica is present on the Martin Moretz property.

E. L. Newcomb
E. L. Newcomb

March 23, 1955
Subject: DMEA 3733
Re: Exploration Assistance
Martin Moretz Mine

Messrs. George W. Nesbitt,
Howard Dugger, and Dave Dugger
Elk Park, North Carolina

Gentlemen:

The receipt of your application dated March 12, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA 3733 and referred to the Nonmetallic Minerals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

60932

March 23, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region V

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region V.

DMEA - 3733 George W. Nesbitt, Howard and Dave Dugger

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

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

Memorandum ✓ March 21, 1955

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region V - Knoxville, Tennessee

Subject: Application: Geo. W. Nesbitt, Howard and Dave Dugger (mica)
Martin Moretz Mine, Elk Park, N. C.

Transmitted are three copies of the subject application with Owner's Consent to Lien, copy of lease and estimated costs attached.

One copy of the application has been retained for our files.

Robert A. Laurence

Robert A. Laurence

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

Memorandum March 21, 1955

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region V - Knoxville, Tennessee

Subject: Application: Geo. W. Nesbitt, Howard and Dave Dugger (mica)
Martin Moretz Mine, Elk Park, N. C.

Transmitted are three copies of the subject application with Owner's Consent to Lien, copy of lease and estimated costs attached.

One copy of the application has been retained for our files.

Robert A. Laurence

RM.
cc:
Shirley
Lynch
Files

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. 3733
Metal or Mineral Mica
Date Received 3-23-55
Estimated Cost $24,465
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: George W. Nesbitt, Howard Dugger and Dave Dugger
Elk Park, North Carolina

RECEIVED
MAR 21 1955
U. S. Geological Survey
Geologic Division
Washington, D. C.

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Watauga County, N. C.-200 feet from the center of Martin Moretz Mine in each direction with the privilege of following the vein as far as the same may go on lands of Martin Moretz. Mine located on NW side of farm about 75 ft. from public road and 75 feet from lands of T. O. Eggers.

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

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

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

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

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

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

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

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

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. See attached sketch-Located about 50 miles from Spruce Pine, N. C.

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

16—66551-1

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

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

(*c*) The work will start within 30 days and be completed within 12 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

[XX] Money [ ] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated March 12, 1955

George W. Nesbitt, Howard Dugger and Dave Dugger
(Applicant)

By Geo. W. Nesbitt

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

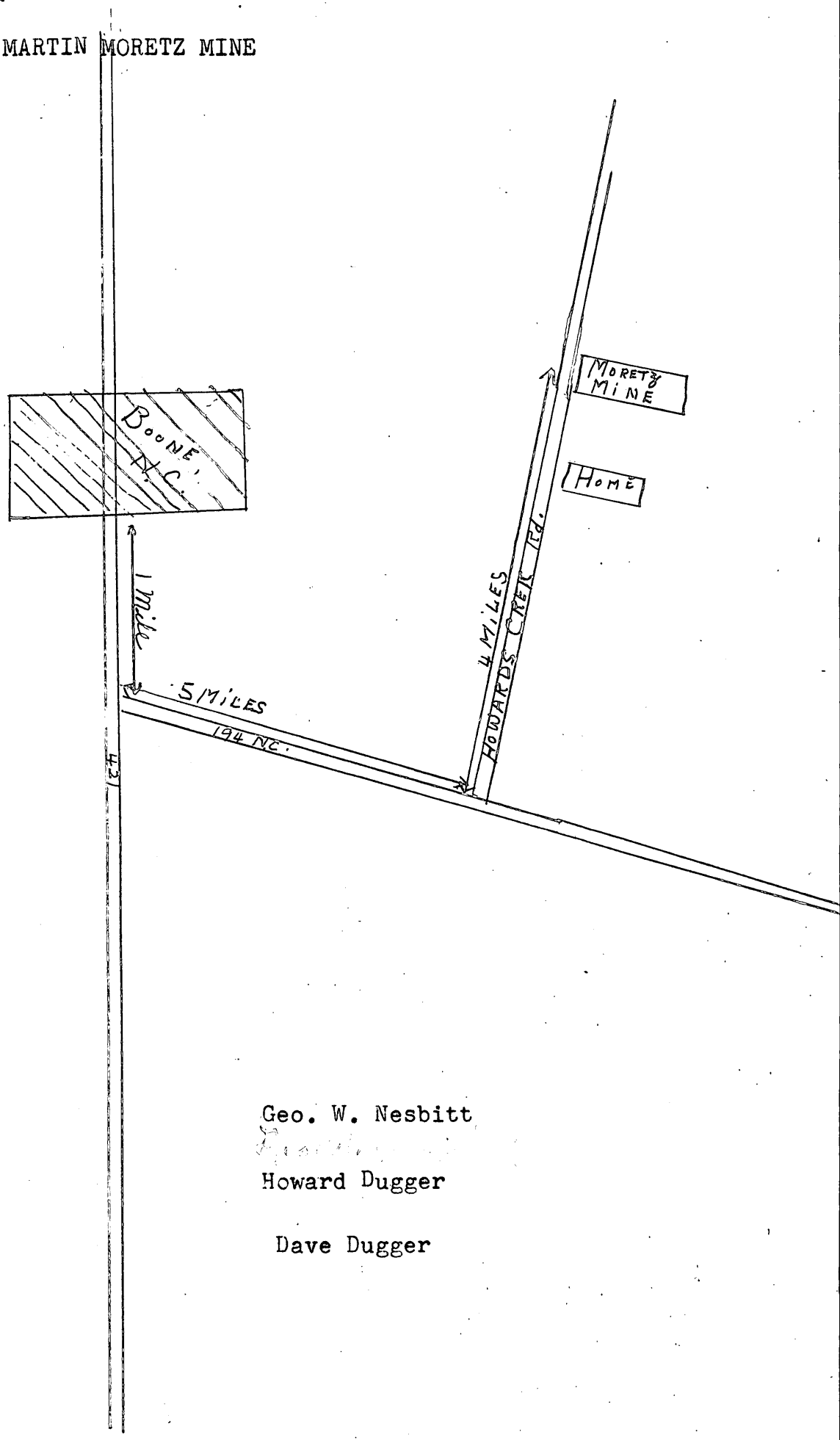
U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

5(b)-Bull doze and move loose dirt out of mine. Then get on vein and start drilling with vein. Begin shafting and timbering. It will probably be necessary to do approximately 250 feet of shafting and about 150 feet of drifting.

6 Estimate of Costs:

Bull Dozing and High Lift	$300.00
Powder House	45.00
Exploder House	25.00
Tool & Hoisting Engine House	350.00
Picks, shovels, wheel barrows and small tools	75.00
Compressor, rent per month	135.00
Jack Hammar rent per month	50.00
Steel	400.00
Compressor Hose	150.00
Air Pipe	50.00
Water Pump, per month	75.00
Pump Hose and pipe	200.00
Car or skip	200.00
Car Track	150.00
Powder	150.00
Exploders	60.00
Hoisting Cable	75.00
Lights	75.00
Cable, clamps, nails & timber	100.00
Labor for 10 men; 2 shifts 12 months	$21,120.00
Hoisting Engine per month	90.00
Boots, rain suits and hats	140.00
Drill Column & Jack	250.00
Timber	200.00

THE MARTIN MORETZ MINE



Geo. W. Nesbitt

Howard Dugger

Dave Dugger