NOV 3 1952

Mr. Carlton W. Blank
4 Canterbury Lane
Westfield, New Jersey

Re: Docket No. DMEA-2130
Thurman Asbestos Mines
Warren County, New York

Dear Mr. Blank:

This will acknowledge your letter dated October 27, 1952 requesting the return of the map and all papers submitted with your application for exploration assistance.

The map submitted by you is returned herewith. However, the application filed on Government forms is retained for our official files.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosure

READams/meb
11/3/52
cc to: Adm.Reading File
Mails & Files Br.
Mr. Houk

600

AUG 7 1952

Mr. Carlton W. Klank
4 Canterbury Lane
Westfield, New Jersey

Subject: Docket No. DMEA-2130 - Asbestos
Thurman Asbestos Mine
Warren County, New York

Dear Mr. Klank:

Your application for exploration assistance, dated September 24, 1951, Docket No. DMEA-2130, has been carefully reviewed by this office.

Our field examination of the property indicates that the deposit has insufficient promise for developing asbestos in amounts sufficient to warrant a Government exploration project.

We regret to advise that the application for exploration assistance is denied.

Sincerely yours,

C. O. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

JTRobertson:gad 8/5/52

Copy to: Admin. Reading File
Docket File
Operating Committee (2)
Field Team, Region VIII
Dr. Bowles, 3522
Mr. Barton, 6-232 GSA Bldg.
Mr. Hook

August 5, 1952

Memorandum

To: Acting Administrator, Defense Minerals Exploration Administration

From: Non-Metallic Minerals Division

Subject: Review of Docket No. DMEA-2130 - Asbestos
(Recommendation of Denial 8/5/52)
Contract - None
Property - Thurman Asbestos Mine (Blank Property)
Warren County, New York
Applicant - Carlton W. Blank
4 Canterbury Lane
Westfield, New Jersey

10/5/51	Application Received
10/17/51	Referred to Field Team, Region VIII
7/8/52	Mine examined by Field Team
7/29/52	Field Team Examination Report received.
8/5/52	Referred to DMEA Operating Committee, and denial of application recommended by Non-Metallic Minerals Division.

Jasper T. Robertson
Non-Metallic Minerals Division, DMEA

JTRobertson:gad 8/5/52

Copy to: Admin. Reading File
Docket File
Mr. Houk

August 5, 1952

Memorandum

To: Chairman, Operating Committee, DMEA

From: Non-Metallic Minerals Division, DMEA

Subject: Docket No. DMEA-2130 - Asbestos
Thurman Asbestos Mine
Warren County, New York

Re: A recommendation of a denial of application for exploration assistance.

This undeveloped prospect was examined by the Field Team, Region VIII on July 18, 1952.

Each member filed a report and both concurred in the opinion that the asbestos showings and serpentine lenses were too limited to warrant an exploration project. The narrow one-half inch veinlets of asbestos are reported to occur in disconnected serpentine lenses or small masses which in themselves are not too abundant; such, as pointed out in Stewart's report, might not be encountered by drill holes spaced as close as 50 feet from one another.

The recommendation in both reports is to deny the application, and in this, the Non-Metallic Minerals Division concurs.

Jasper T. Robertson
Non-Metallic Minerals Division
Defense Minerals Exploration
Administration

JTRobertson:gad 8/5/52

Copy to: Admin. Reading File
Docket File
Mr. Houk

Oct. 17, 1951

Mr. Carlton W. Blank
4 Canterbury Lane
Westfield, New Jersey

Subject: DMA-2130 - Asbestos
Thurman, Warren Co., N.Y.

Dear Mr. Blank:

Your application is being referred to Mr. McHenry Mosier, Executive Officer, DMA Field Team, Region VIII, Eastern Experiment Station, Knoxville, Tennessee, for further information.

Sincerely yours,

Tom Lyon, Director
Supply Division

RWASKEY:mp
10-11-51
cc: DMA Field Team, Region VIII (2)
DMA Docket File
Mr. Barr

Mr. McHenry Mosier, Executive Officer
DMA Field Team, Region VIII
Eastern Experiment Station
College Park, Maryland

Carlton W. Blank

DMA-2130

Asbestos

90% of $3,900.00 (?)

RWASKEY:mp
10-11-51

DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 2130

DO NOT DETACH THIS SLIP

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

This document has been recorded as

EXPLORATION PROJECT

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

Routing Slip
Code 370

To:	Indus.Minls.Br.	Date	10/5/51
To:	M&M	Date	
To:	Coordinating Comm	Date	10-12
To:	R&R	Date	10-21
To:		Date	
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DO NOT DETACH

CONTROLLED DOCUMENT

FILE COPY
SURNAME:

200

adams

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

NOV 17 1952

Mr. Carlton W. Blank
4 Canterbury Lane
Westfield, New Jersey

Dear Mr. Blank:

This will acknowledge your letter dated November 10, 1952 requesting the return of a photostatic copy of mining claims, a photostatic copy of deed, and a map drawn by H. M. Butterfield, Mining Geologist, which you indicate were submitted with your application for exploration assistance, Docket No. DMEA-2130.

A careful check was made of the file on Docket No. DMEA 2130, but the above-mentioned papers were not found. A further search will be made, and if the papers are located they will be returned to you.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

S.H. 11-17-52

READams/meb
11-17-52
cc to: Adm. Reading File
Mails & Files Br.

Jas

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 12 1952

Carlton W. Blank
4 Canterbury Lane,
Westfield, New Jersey.

November 10, 1952.

U. S. Department of the Interior
Washington 25, D. C.

Att: Mr. C.O. Mithendorf

Re: Docket No. DMEA-2130
Thurman Asbestos Mines
Warren County, N. Y.

Dear Mr. Mithendorf:

Referring to your letter dated November 3rd, I am in receipt of the Map drawn by the Department of the Interior.

The papers I am requesting the return of consist of the following:

1 Photostatic Copy of Mining Claims
1 " " " Deed
1 Map drawn by H. M. Butterfield
(Mining Geologist)

Since the Department has decided not to assist in the exploration of my property, I feel the above-mentioned papers would be more valuable to me.

Thanking you, I remain,

Sincerely yours,
Carlton W. Blank
Carlton W. Blank.

CWB/is

FILE COPY
SURNAME:

200

Adams

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

NOV 3 1952

Mr. Carlton W. Blank
4 Canterbury Lane
Westfield, New Jersey

Re: Docket No. DMEA-2130
Thurman Asbestos Mines
Warren County, New York

Dear Mr. Blank:

This will acknowledge your letter dated October 27, 1952 requesting the return of the map and all papers submitted with your application for exploration assistance.

The map submitted by you is returned herewith. However, the application filed on Government forms is retained for our official files.

Sincerely yours,

C. O. Mittendorf (for) 11/3/52

Administrator

Enclosure

READams/meb
11/3/52
cc to: Adm.Reading File
Mails & Files Br.
Mr. Houk

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 29 1952

Carlton W. Blank
4 Canterbury Lane,
Westfield, New Jersey.

October 27, 1952.

U. S. Department of Interior
Defense Minerals,
Exploration Administration,
Washington 25, D. C. 600.

Att: Mr. MacHenry Mosier

Re: Docket # DMEA - 2130 Asbestos
Thurman Asbestos Mines
Warren County, New York.

Dear Mr. Mosier:

Since your department has decided against any further exploration of my property in Thurman, would you be kind enough to return the Map and all papers, submitted by me, when application was made in September 1951.

Thanking you, I remain,

Sincerely yours,

Carlton W. Blank

Carlton W. Blank.

CWB/is

FILE COPY
SURNAME:

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

Robertson
Houk
Lemmon
Hodges
Jackson

AUG 7 1952

Mr. Carlton W. Blank
4 Canterbury Lane
Westfield, New Jersey

Subject: Docket No. DMEA-2130 - Asbestos
Thurman Asbestos Mine
Warren County, New York

Dear Mr. Blank:

Your application for exploration assistance, dated September 25, 1951, Docket No. DMEA-2130, has been carefully reviewed by this office.

Our field examination of the property indicates that the deposit has insufficient promise for developing asbestos in amounts sufficient to warrant a Government exploration project.

We regret to advise that the application for exploration assistance is denied.

Sincerely yours,

C. O. Mittendorf (Rw)

Acting Administrator
Defense Minerals Exploration
Administration

P.N. 8-7-52

JTRobertson:gad 8/5/52

Copy to: Admin. Reading File
Docket File
Operating Committee (2)
Field Team, Region VIII
Dr. Bowles, 3522
Mr. Norton, G-232 GSA Bldg.
Mr. Houk

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

August 5, 1952

Memorandum

To: Chairman, Operating Committee, DMEA

From: Non-Metallic Minerals Division, DMEA

Subject: Docket No. DMEA-2130 - Asbestos
Thurman Asbestos Mine
Warren County, New York

Re: A recommendation of a denial of application for exploration assistance.

This undeveloped prospect was examined by the Field Team, Region VIII on July 18, 1952.

Each member filed a report and both concurred in the opinion that the asbestos showings and serpentine lenses were too limited to warrant an exploration project. The narrow one-half inch veinlets of asbestos are reported to occur in disconnected serpentine lenses or small masses which in themselves are not too abundant; such, as pointed out in Stewart's report, might not be encountered by drill holes spaced as close as 50 feet from one another.

The recommendation in both reports is to deny the application, and in this, the Non-Metallic Minerals Division concurs.

Jasper T. Robertson
Jasper T. Robertson
Non-Metallic Minerals Division
Defense Minerals Exploration
Administration

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

August 5, 1952

Memorandum

To: Chairman, Operating Committee, DMEA

From: Non-Metallic Minerals Division, DMEA

Subject: Docket No. DMEA-2130 - Asbestos
Thurman Asbestos Mine
Warren County, New York

Re: A recommendation of a denial of application for exploration assistance.

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The recommendation in both reports is to deny the application, and in this, the Non-Metallic Minerals Division concurs.

Jasper T. Robertson
Non-Metallic Minerals Division
Defense Minerals Exploration
Administration

FILE COPY
SURNAME:

Robertson
Houk
Bowles
Lemmon

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

August 5, 1952

Memorandum

To: Chairman, Operating Committee, DMEA

From: Non-Metallic Minerals Division, DMEA

Subject: Docket No. DMEA-2130 - Asbestos
Thurman Asbestos Mine
Warren County, New York

Re: A recommendation of a denial of application for exploration assistance.

This undeveloped prospect was examined by the Field Team, Region VIII on July 18, 1952.

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The recommendation in both reports is to deny the application, and in this, the Non-Metallic Minerals Division concurs.

Jasper T. Robertson
Non-Metallic Minerals Division
Defense Minerals Exploration
Administration

JTRobertson:gad 8/5/52

Copy to: Admin. Reading File
Docket File
Mr. Houk

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

August 5, 1952

Memorandum

To: Acting Administrator, Defense Minerals Exploration Administration

From: Non-Metallic Minerals Division

Subject: Review of Docket No. DMEA-2130 - Asbestos
(Recommendation of Denial 8/5/52)
Contract - None
Property - Thurman Asbestos Mine (Blank Property)
Warren County, New York
Applicant - Carlton W. Blank
4 Canterbury Lane
Westfield, New Jersey

10/5/51	Application Received
10/17/51	Referred to Field Team, Region VIII
7/8/52	Mine examined by Field Team
7/29/52	Field Team Examination Report received.
8/5/52	Referred to DMEA Operating Committee, and denial of application recommended by Non-Metallic Minerals Division.

Jasper T. Robertson
Jasper T. Robertson
Non-Metallic Minerals Division, DMEA

FILE COPY
SURNAME:

Robertson
Houk

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

August 5, 1952

Memorandum

To: Acting Administrator, Defense Minerals Exploration Administration

From: Non-Metallic Minerals Division

Subject: Review of Docket No. DMEA-2130 - Asbestos
(Recommendation of Denial 8/5/52)
Contract - None
Property - Thurman Asbestos Mine (Blank Property)
Warren County, New York
Applicant - Carlton W. Blank
4 Canterbury Lane
Westfield, New Jersey

10/5/51	Application Received
10/17/51	Referred to Field Team, Region VIII
7/8/52	Mine examined by Field Team
7/29/52	Field Team Examination Report received.
8/5/52	Referred to DMEA Operating Committee, and denial of application recommended by Non-Metallic Minerals Division.

Jasper T. Robertson
Non-Metallic Minerals Division, DMEA

JTRobertson:gad 8/5/52

Copy to: Admin. Reading File
Docket File
Mr. Houk

IN REPLY REFER TO:

G-MD-CNM

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

August 1, 1952

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2130 (Asbestos)

To: L. G. Houk, Defense Minerals Exploration Administration.
From: P. L. Weis, U. S. Geological Survey.
Applicant: Carlton W. Blank.
Name of property: Thurman Asbestos Mine.
Location of property: Warren County, New York.
Date of field team report: July 18, 1952.
Authorship of field team report: H. L. Burmeister and Glenn W. Stewart.
Field team's recommendation: Denial.
Comments: None.
ACTION SUGGESTED: Follow field team's recommendation.

Paul L. Weis

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration
RECEIVED
AUG 4 1952

Weis:jeh
G-8/1/52
cc:
Director's reading file 4212 USGS
Branch " " "
DMEA ✓
Norton G-230 USGS
Weis G-230 "

IN REPLY REFER TO:

G-MD-CNM

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

August 1, 1952

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2130 (Asbestos)

To: L. G. Houk, Defense Minerals Exploration Administration.
From: P. L. Weis, U. S. Geological Survey.
Applicant: Carlton W. Blank.
Name of property: Thurman Asbestos Mine.
Location of property: Warren County, New York.
Date of field team report: July 18, 1952.
Authorship of field team report: H. L. Burmeister and Glenn W. Stewart.
Field team's recommendation: Denial.
Comments: None.
ACTION SUGGESTED: Follow field team's recommendation.

Paul L. Weis

Paul L. Weis

DEPARTMENT OF THE INTERIOR
AUG 4 1952

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

DEPARTMENT OF THE INTERIOR
Defense Minerals
JUL 28 1952

July 25, 1952

Memorandum

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

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Field Team Reports
Thurman Asbestos Mine (Blank Property)
Warren County, New York
Docket No. DMEA-2130

Attached are separate reports, in quadruplicate, by H. L. Burmeister, Mining Engineer, and Glenn W. Stewart, Geologist, on the Thurman Asbestos Mine, Blank Property, Warren County, N. Y.

These two reports are in a substantial agreement. It is recommended that application be denied.

McHenry Mosier

McHenry Mosier

Enclosures

DMEA Field Team Report on Examination of Property

Thurman Asbestos Mine (Blank Property) - Warren Co., New York

by

H. L. Burmeister, Engineer

July 18, 1952

Reviewed by
DMEA OPERATING COMMITTEE

8-1-52
(date)

DMEA Docket No.2130 - (Asbestos)

Applicant - Carlton W. Blank, 4 Canterbury Lane, Westfield, New Jersey
Location of Property - Warren County, New York

From the economic and mining standpoint, it is recommended that this application be denied.

This examination was conducted in the company of Glenn W. Stewart, USGS, and Mr. Carlton W. Blank, the applicant. The entire day of July 18, 1952, was spent on this examination.

The property is located one mile in a southerly direction from Thurman school, Warren County, New York. At a point one mile south of Thurman school turn east on a very dim track for a distance of 200 yards and walk north 100 yards to the cut.

A good all weather surfaced road leads to Warrensburg, New York.

The applicant would probably be a good operator, particularly so, as he is in the asbestos fabricating business and has some mining background.

The application cites and includes two parcels of land, one owned outright by the applicant's mother, Martha Blank, without mortgage or lien and the other on which the applicant holds rights to explore.

Carlton W. Blank declares in the application that he is joint owner with his mother and has so signed the application. In answer to a direct question he stated that he is not a joint owner, the title being solely in his mother's name. The workings are altogether on the property owned by Martha Blank. The second parcel of land has had no work done on it and the applicant has not planned work on it.

The only production came from one open pit which measures 85 feet long by 15 feet deep and 18 feet wide. This represents approximately 1,912 tons of rock removed. The only record of production is Mr. Blank's statement that 1,180 pounds of best crude were recovered. It seems very probable that this did not include all of the earlier production. If it did, however, it would indicate that only 0.04 percent of the rock mined was recovered asbestos.

Mr. Blank and Glenn W. Stewart agreed that at its best the rock in the serpentized zone would not run over 5 percent asbestos with Mr. Blank estimating an average value of $132.00 per ton for the recovered asbestos. This would indicate an ore valued at $6.60 per ton. As the mineralized zone has a dip of about 20 degrees and has a width of from 6 to 8 feet, it would have to be mined by

underground methods. Added mining difficulties would probably be found because of the indications of spottiness of values. The ore would have to be loaded on trucks and hauled some 7 miles to a railroad and then shipped to the New York metropolitan area for treatment.

For the above reasons, mining this deposit would seem to be uneconomic and would not support itself.

H. L. Burmeister

College Park, Md.
July 21, 1952

copy for FEJohnson - Orig. & 3
MELSON - N.E. - 1
GWStewart - 1
DMEA Files - 1
HLBurmeister - 1

DMEA Field Team Report by Glenn W. Stewart

Thurman Asbestos Mine, Thurman, Warren County, N.Y.

(Blank Property)
DMEA Docket No. NY-2130

Location

The Thurman asbestos mine is in the town of Thurman, Warren County, New York. It may be reached by automobile by travelling northwesterly on the Athol-Thurman road from Warrensburg, N.Y. The mine is on the north side of the road approximately one mile southwest of the Thurman school (see attached map) and 7 miles west of Thurman Station on the Adirondack branch of the Delaware and Hudson railroad.

The property was visited by the DMEA Field Team, H. L. Burchinter of the Bureau of Mines and Glenn W. Stewart of the Federal Geological Survey, accompanied by Mr. Blank, on July 18, 1952

Workings and Production

The workings consist of two open cuts. Only one is accessible, the other has been filled with waste rock. The open cut is approximately 85 feet long and is 10 feet wide along the floor and about 20 feet wide at the top. The southeast face of the cut has a maximum height of about 20 feet.

The property was worked prior to 1938 but no records are available. In 1938-1940 about 12 tons of rock was mined which yielded 8 percent asbestos. In 1951 the recovery of asbestos was about 3 percent from 10 to 12 tons of rock.

The total amount of rock mined from the cut (accessible) is approximately 2000 tons.

Reviewed by
DMEA OPERATING COMMITTEE
8-1-52
(date)

General Geology

Coarse gray limestone (marble), serpentinized limestone, quartzite, and gneissic quartzite are exposed in an around the cut (see section A-A' on the accompanying map)

The limestone on the northwest face of the cut does not show much evidence of serpentization. Most of the serpentinization is near the floor and from 6 to 8 feet above it on the southeast face of the cut. The extent of the serpentinization beyond the limits of the cut is unknown. However, it must have occurred in the old workings southwest of the cut. Several prospect trenches were made northeast of the cut in a ridge that contains serpentinized limestone boulders. No outcrops were exposed.

Approximately 330 feet north of the cut there is a large outcrop of serpentinized gneiss, but its relation to the serpentinized limestone could not be determined. In this outcrop the serpentine occurs in lenses or nodules as much as 2 feet across and range from 1 to 10 feet long. In the larger lenses the serpentinization is less complete. The lenses are parallel to the strike and dip of the foliation. In places the lenses are shattered and the joints have been filled with serpentine. No asbestos was observed.

A few pieces of slip-fiber asbestos was observed along a joint plane, but most of it is the cross-fiber variety and has a good quality. The asbestos occurs in serpentine and in veins which range from less than 1/16 inch to about 1 inch thick. Most veins are less than 1/2 inch thick. The longest veins have a length of about 12 to 15 feet. The asbestos veins are most abundant where the serpentinization has been most intense. The veins branch and dip irregularly, but in general, they dip more steeply than the dip of the limestone-quartzite contact, about 18 to 20 degrees southeast.

The serpentine occurs in nodules which range in size from less than 1 inch in diameter and several inches long to massive lenses several feet thick and 15 to 20 feet long. Even in the large serpentine lenses the intensity of serpentinization varies from place to place. The serpentine is pale to dark green. In a few specimens it is almost transparent.

Some phlogopite (?) mica is associated with the serpentine. The grains have a maximum diameter of one-half inch.

Conclusions

Although the quality of the asbestos appears to be very good, it is recommended that the application be denied because it appears very doubtful whether the mine will produce sufficient "ore" for an economical operation. The maximum thickness of the asbestos-bearing serpentinized zone is not more than 8 feet thick in the southeast face of the cut and available records indicate that the average yield would probably not exceed 8 percent.. If the existing geological data are correct the rock would have to be mined underground. It is believed from the spotty occurrence of the serpentine and asbestos in the cut that large amounts of rock would probably have to be mined between the places where the veins are more abundant.

A diamond-drilling program might prove the structure and extent of the limestone, but it is very doubtful if reserves of asbestos in the serpentine could be ascertained. It seems reasonable to assume that holes even 50 to 100 feet apart might not intersect the serpentinized parts of the limestone.

July 21, 1952

Respectfully submitted:

Glenn W. Stewart

Glenn W. Stewart
U. S. Geological Survey

DMEA Field Team Report on Examination of Property
Thurman Asbestos Mine (Blank Property) - Warren Co., New York
by
H. L. Burmeister, Engineer
July 18, 1952

DMEA Docket No.2130 - (Asbestos)

Applicant - Carlton W. Blank, 4 Canterbury Lane, Westfield, New Jersey
Location of Property - Warren County, New York

From the economic and mining standpoint, it is recommended that this application be denied.

This examination was conducted in the company of Glenn W. Stewart, USGS, and Mr. Carlton W. Blank, the applicant. The entire day of July 18, 1952, was spent on this examination.

The property is located one mile in a southerly direction from Thurman school, Warren County, New York. At a point one mile south of Thurman school turn east on a very dim track for a distance of 200 yards and walk north 100 yards to the cut.

A good all weather surfaced road leads to Warrensburg, New York.

The applicant would probably be a good operator, particularly so, as he is in the asbestos fabricating business and has some mining background.

The application cites and includes two parcels of land, one owned outright by the applicant's mother, Martha Blank, without mortgage or lien and the other on which the applicant holds rights to explore.

Carlton W. Blank declares in the application that he is joint owner with his mother and has so signed the application. In answer to a direct question he stated that he is not a joint owner, the title being solely in his mother's name. The workings are altogether on the property owned by Martha Blank. The second parcel of land has had no work done on it and the applicant has not planned work on it.

The only production came from one open pit which measures 85 feet long by 15 feet deep and 18 feet wide. This represents approximately 1,912 tons of rock removed. The only record of production is Mr. Blank's statement that 1,180 pounds of best crude were recovered. It seems very probable that this did not include all of the earlier production. If it did, however, it would indicate that only 0.04 percent of the rock mined was recovered asbestos.

Mr. Blank and Glenn W. Stewart agreed that at its best the rock in the serpentized zone would not run over 5 percent asbestos with Mr. Blank estimating an average value of $132.00 per ton for the recovered asbestos. This would indicate an ore valued at $6.60 per ton. As the mineralized zone has a dip of about 20 degrees and has a width of from 6 to 8 feet, it would have to be mined by

underground methods. Added mining difficulties would probably be found because of the indications of spottiness of values. The ore would have to be loaded on trucks and hauled some 7 miles to a railroad and then shipped to the New York metropolitan area for treatment.

For the above reasons, mining this deposit would seem to be uneconomic and would not support itself.

H. L. Burmeister

College Park, Md.
July 21, 1952

copy for FEJohnson - Orig. & 3
NELSON - N.E. - 1
-GWStewart - 1
DMEA Files - 1
HLBurmeister - 1

DMEA Field Team Report by Glenn W. Stewart

Thurman Asbestos Mine, Thurman, Warren County, N.Y.

(Blank Property)
DMEA Docket No. NY-2130

Location

The Thurman asbestos mine is in the town of Thurman, Warren County, New York. It may be reached by automobile by travelling northwesterly on the Athol-Thurman road from Warrensburg, N.Y. The mine is on the north side of the road approximately one mile southwest of the Thurman school (see attached map) and 7 miles west of Thurman Station on the Adirondack Branch of the Delaware and Hudson railroad.

The property was visited by the DMEA Field Team, H. L. Burnolster of the Bureau of Mines and Glenn W. Stewart of the Federal Geological Survey, accompanied by Mr. Blank, on July 18, 1952

Workings and Production

The workings consist of two open cuts. Only one is accessible, the other has been filled with waste rock. The open cut is approximately 85 feet long and is 10 feet wide along the floor and about 20 feet wide at the top. The southeast face of the cut has a maximum height of about 20 feet.

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The total amount of rock mined from the cut (accessible) is approximately 2000 tons.

General Geology

Coarse gray limestone (marble), serpentinized limestone, quartzite, and gneissic quartzite are exposed in an around the cut (see section A-A' on the accompanying map)

The limestone on the northwest face of the cut does not show much evidence of serpentization. Most of the serpentinization is near the floor and from 6 to 8 feet above it on the southeast face of the cut. The extent of the serpentinization beyond the limits of the cut is unknown. However, it must have occurred in the old workings southwest of the cut. Several prospect trenches were made northeast of the cut in a ridge that contains serpentinized limestone boulders. No outcrops were exposed.

Approximately 330 feet north of the cut there is a large outcrop of serpentinized gneiss, but its relation to the serpentinized limestone could not be determined. In this outcrop the serpentine occurs in lenses or nodules as much as 2 feet across and range from 1 to 10 feet long. In the larger lenses the serpentinization is less complete. The lenses are parallel to the strike and dip of the foliation. In places the lenses are shattered and the joints have been filled with serpentine. No asbestos was observed.

A few pieces of slip-fiber asbestos was observed along a joint plane, but most of it is the cross-fiber variety and has a good quality. The asbestos occurs in serpentine and in veins which range from less than 1/16 inch to about 1 inch thick. Most veins are less than 1/2 inch thick. The longest veins have a length of about 12 to 15 feet. The asbestos veins are most abundant where the serpentinization has been most intense. The veins branch and dip irregularly, but in general, they dip more steeply than the dip of the limestone-quartzite contact, about 18 to 20 degrees southeast.

The serpentine occurs in nodules which range in size from less than 1 inch in diameter and several inches long to massive lenses several feet thick and 15 to 20 feet long. Even in the large serpentine lenses the intensity of serpentinization varies from place to place. The serpentine is pale to dark green. In a few specimens it is almost transparent.

Some phlogopite (?) mica is associated with the serpentine. The grains have a maximum diameter of one-half inch.

Conclusions

Although the quality of the asbestos appears to be very good, it is recommended that the application be denied because it appears very doubtful whether the mine would produce sufficient "ore" for an economical operation. The maximum thickness of the asbestos-bearing serpentinized zone is not more than 8 feet thick in the southeast face of the cut and available records indicate that the average yield would probably not exceed 8 percent.. If the existing geological data are correct the rock would have to be mined underground. It is believed from the spotty occurrence of the serpentine and asbestos in the cut that large amounts of rock would probably have to be mined between the places where the veins are more abundant.

A diamond-drilling program might prove the structure and extent of the limestone, but it is very doubtful if reserves of asbestos in the serpentine could be ascertained. It seems reasonable to assume that holes even 50 to 100 feet apart might not intersect the serpentinized parts of the limestone.

July 21, 1952

Respectfully submitted:

Glenn W Stewart

Glenn W. Stewart
U. S. Geological Survey

1 - Sketch Map accompanied this report.

FILE COPY
SURNAME:

Barr
Moon

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION 370
WASHINGTON 25, D. C.

OCT 17 1951

a. ec

Mr. Carlton W. Blank
4 Canterbury Lane
Westfield, New Jersey

Subject: DMA-2130 - Asbestos
Thurman, Warren Co., N.Y.

Dear Mr. Blank:

Your application is being referred to Mr. McHenry Mosier, Executive Officer, DMA Field Team, Region VIII, Eastern Experiment Station, Knoxville, Tennessee, for further information.

Sincerely yours,

SIGNED S.J. 10-17

Tom Lyon, Director
Supply Division

WWASHEY:mp
10-11-51
cc: DMA Field Team, Region VIII (2)
DMA Docket File
Mr. Barr

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

370

OCT 17 1951

Mr. McHenry Mosier, Executive Officer
DMA Field Team, Region VIII
Eastern Experiment Station
College Park, Maryland

Dear Mac:

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

Applicant Carlton W. Blank

Project No. DMA-2130

Commodity Asbestos

Amount $ $3,900.00

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

Very truly yours,

Tom Lyon, Chairman
Coordinating Committee

For Bureau of Mines

For Geological Survey

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 2130

Commodity Asbestos

Total Amount $3900 (?)

Govt. Participation 90%

1. Name and Address of Applicant Carlton W. Blank
4 Canterbury Lane, Westfield, New Jersey

2. Location of Property Warren County, New York

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

If not, application will be rejected.

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

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

a) Good See Memo Attached

b) Poor

c) None

d) Don't know—needs field examination

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

5. Is the applicant's right to the property clearly stated? Yes, owner
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? —

Does the lease have sufficient time to run to cover a future productive period? —

*question numbers are those of MF-103

7. Are subordination agreements necessary? NO

a) MF-201? —

b) MF-202 —

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

a) Available manpower yes

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

c) Accessibility (question 12)* yes

d) Water (question 13)* yes

e) Power (question 13)* yes

Is a field check needed on any of these points? yes - (b)

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

Is a field check needed on this point? yes - Ability to properly handle and evaluate drill cores

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

a) Is the project adequately described? Fairly well

If not, are there sufficient data given so that you can describe the project? 650' drilling @ 6¢ per ft. If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? NO - A map should be obtained with at least a tentative location of the drilling

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

If not, what part of it is?

Is this part a worthwhile exploration project? —

d) Are the cost estimates detailed? Yes if only drilling is to be done

Can they be summarized, as on page 2 of Procedural Instruction 5-A, 650' drill hole @ $6 ea

from the available data? _____ If so, attach a draft.

e) Are the cost estimates reasonable? Appear so

f) Should more information be requested from applicant? By Field team

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

11. Exhibit B (question 23-d)*

a) Is it applicable? NO

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

c) Is a field check needed? —

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

a) Is it applicable? Yes

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

c) Are rents and charges reasonable? Appear so

d) Is a field check needed? Yes Availability of drill & contract price

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

a) Are there sufficient data? Yes if all work by contract

b) Is the schedule adequate for the work proposed? Appears so

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

d) Are the proposed wages and salaries reasonable? —

e) Is a field check needed? Yes - Principally on how cores would be handled, by whom and at what cost, if any in addition to contract rate.

14. Exhibit E (question 23-c)*

a) Is it applicable? NO

b) Sufficient data? —

c) Reasonable? —

d) Field check needed? —

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

(All exploration must be completed within two years)

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

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Check advisability of work other than drilling and if trenching, etc., appears advisable work out a definite program with applicant & submit necessary contract data— a sketch map should be furnished showing work to be done—

Reviewed by: R Worsley

Date 10/11/51

INT.-DUP. SEC., WASH., D.C. 99009

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. dma 21130
Metal or Mineral
Date Received 10-5-51
Amount $
Participation (Government %)

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C.
OCT 5 9 35 AM '51

Name and address of applicant

CARLTON W. BLANK
24 CANTERBURY LANE
WESTFIELD, NEW JERSEY

Date September 19, 1951

If you have already filed MF-100, give date filed _____, type of assistance requested _____,

DMA Docket Number (if available) None

INSTRUCTIONS

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

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

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

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

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

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

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

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

See sheet attached.

16—64067-2

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

(Name of company)	By Carlton W. Blunk (Signature of authorized official)
Sept. 25, 1951 (Date)	(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—64067-2

Answer to Question 2 (b)

Many years ago my father discovered an asbestos bearing surpentine belt crossing the property diagonally northeast and southwest and from the work done at that time he believed and I believe that the property will be found to contain chrisolite asbestos in large quantities. A cut was made approximately 40 feet long, 27 feet deep and 16 feet wide. Fibrous surpentine was found at the start in considerable quantities with three distinct veins of crude or vein asbestos. One vein was found dipping at about 40 degrees. At 10 feet fibers were discovered approximately one inch without a break. At 18 feet this vein increased and at the same time the quantity of fibrous surpentine increased and lost its brittleness. Brittleness was caused by exposure on the surface. At approximately 27 feet the work had to be abandoned in the cut due to meeting with water just at a time when the floor of the cut was showing fibrous surpentine in quantities. Both northeast and southwest of this cut the veins developed are distinctly traceable. The quality of the asbestos discovered near the surface in the main cut proved the richness of the surpentine belt on this property which will, in my opinion, develop in the first 100 feet of working commercial output.

In opening this cut some 500 tons of rock was removed, out of which 1180 pounds of best crude was picked, this being one inch and better clear fiber. No account or record of lesser length of fiber was kept but I know this would be of marketable quality.

At a point 227 feet northeast an opening was made at the foot of a hill in which a vein was discovered bearing one inch clear fiber. There are outcroppings in all directions.

The surpentine is bounded on the northwest by a large body of granite extending toward the southwest. Owing to the overburden, it is difficult to state the width of the surpentine belt but I believe from indications that it is probably 500 feet wide. At the southwest end of the property fiber is showing along the cut crop in a cut made near this point. Indications show the whole belt to be identical throughout the property extending northeast and southwest to about 1800 feet in length.

The property is heavily timbered with an abundance of building stone and ample water, three important features in a mining operation. It is situated about seven and one-half miles from a railroad and on hard surfaced roads.

Patton W. Blank

Answers to Question 3 (a) and (b)

(a) Core drilling three holes to a depth of 100 feet and seven holes to the depth of 50 feet.

(b) Approximately 40 days. Such operations cannot be conducted in the winter months.

4. Map is not available. Drilling would be at sites selected by me or in conference with Government specialists.

5. There are no existing facilities.

6. Until land is proved, there is no need for buildings, etc.

7. (a), (b) and (c). Contract will be given to a competent core driller at a rate of approximately $6 per foot.

8. None.

9. None.

10. (a) Approximately $500.

(b) I believe this amount is sufficient.

11. See answer to question 2 (b).

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA

FOR USE UNDER THE

DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma 2130

Date received 10-5-51

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C. OCT 5 9 34 AM '51

CARLTON W. BLANK
4 CANTERBURY LANE
WESTFIELD, NEW JERSEY

Name and address of applicant

Date September 25, 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Asbestos fiber.
   (*b*) What are the byproducts, if any? Asbestos cement.
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following: See attached paper.
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following: See attached paper.
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. No.
   (*b*) Are you operating this property as:
   - ☒ ~~Owner~~ Joint owner with Martha Blank, my mother.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production None.

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. Manufacturer of asbestos products.
7. History: See answers to questions 2 and 3.
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Carlton W. Blank Westfield, New Jersey		None	$40,000.	None	None	None	None
Martha A. Blank Westfield, New Jersey		None	$60,000	None	None	None	None
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues: None.

For Corporate Applicants

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

*Indicate period covered.

10. Production: None.

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

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

12. Ore or Mineral Reserves:

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

See answers to questions 2 and 3.

Answers to Questions 2 and 3

Many years ago my father discovered an asbestos bearing surpentine belt crossing the property diagonally northeast and southwest and from the work done at that time he believed and I believe that the property will be found to contain chrisolite asbestos in large quantities. A cut was made approximately 40 feet long, 27 feet deep and 16 feet wide. Fibrous surpentine was found at the start in considerable quantities with three distinct veins of crude or vein asbestos. One vein was found dipping at about 40 degrees. At 10 feet fibers were discovered approximately one inch without a break. At 18 feet this vein increased and at the same time the quantity of fibrous surpentine increased and lost its brittleness. Brittleness was caused by exposure on the surface. At approximately 27 feet the work had to be abandoned in the cut due to meeting with water just at a time when the floor of the cut was showing fibrous surpentine in quantities. Both northeast and southwest of this cut the veins developed are distinctly traceable. The quality of the asbestos discovered near the surface in the main cut proved the richness of the surpentine belt on this property which will, in my opinion, develop in the first 100 feet of working commercial output.

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At a point 227 feet northeast an opening was made at the foot of a hill in which a vein was discovered bearing one inch clear fiber. There are outcroppings in all directions.

The surpentine is bounded on the northwest by a large body of granite extending toward the southwest. Owing to the overburden, it is difficult to state the width of the surpentine belt but I believe from indications that it is probably 500 feet wide. At the southwest end of the property fiber is showing along the cut crop in a cut made near this point. Indications show the whole belt to be identical throughout the property extending northeast and southwest to about 1800 feet in length.

The property is heavily timbered with an abundance of building stone and ample water, three important features in a mining operation. It is situated about seven and one-half miles from a railroad and on hard surfaced roads.

Cartton W. Blank

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit. Cannot tell until proved.

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

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

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

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount. Loose, 2 to 3 feet.

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

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads. Hard surface County road bounds one side of property.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year. Streams on property frozen in winter.

15. Power:

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

16. Labor:

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

17. Equipment and Facilities: None.

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

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

CERTIFICATION

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

(Name of company)

By Carlton W. Blank
(Signature of authorized official)

Sept 25 1951
(Date)

(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

IN REPLY REFER TO:
G-MD-DHK

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

October 9, 1951

Memorandum

To: Robert Waskey, Defense Minerals Administration

From: Donald H. Kupfer, U. S. Geological Survey

Subject: Carlton W. Blank's application, DMA-2130, for aid in exploration of his asbestos prospect near Thurman, Warren County, New York.

Mr. Blank's application for DMA aid to explore his property near Thurman, Warren County, New York, for asbestos should be referred to the field team.

No unpublished information on the Thurman asbestos prospect is available in the files of the U. S. Geological Survey. New York State Museum Bull. 170 (p. 83, 1914) and Bull. 319 (p. 14, 1939) describe an asbestos prospect 3/4 mile southeast of Thurman. This is apparently the Blank property.

According to the above bulletins the Thurman asbestos mine was opened up in 1910 and a small quantity of chrysotile was produced and sent to the manufacturers. The asbestos is a light silky fiber of excellent quality. However, the veins are small, irregular, and lenticular. The maximum length of fiber is one inch and the general run of fiber did not exceed one-fourth inch. The veins are too small and too far apart to be commercial at the present market.

Mr. Carlton Blank's description of the deposit is apparently accurate and unprejudiced, his suggested exploration program reasonable and without excrescence.

The problems involved in exploration are as follows:

1) The asbestos is high quality--quality presents no problem.

2) The known asbestos from the area is short-fibered; it is unlikely that significantly longer-fibered material will be found by exploration.

3) The veins are erratic and exploration will probably have to be based on enlightened guess work rather than a well-defined program.

4) Even under the most favorable circumstances, probably the most that can be hoped to be found is small pockets of short-fiber asbestos. It is very unlikely that a large deposit will be located at this locality.

However, because of the high quality of the asbestos involved, the field team should check the deposit. Besides the normal report on this individual deposit (quality, grade, tonnage, reserves, exploration methods, etc.), especial attention should be given to the following:

1. What is the possible extent of the deposit?

2. Without regard to property lines, are there other favorable areas for exploration in the vicinity?

3. If the field team has time, they should check the deposit on the north side of Brant Lake, in the town of Horicon, Warren County, which is reported to have long fiber asbestos (Bull. 319, p. 14).

Donald H Kupfer

Donald H. Kupfer

Subject: DMA-2130
Re: Exploration Loan

Mr. Carlton W. Blank
4 Canterbury Lane
Westfield, New Jersey

My dear Mr. Blank:

This will acknowledge receipt of your application dated September 19, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMA-2130 and referred to the Industrial Minerals Branch.

Kindly refer to DMA-2130 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams

Robert E. Adams, Chief
Reports and Records Unit

Please send Amount of Money Requested.

2463

dmr 2130

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

October 2, 1951

Memorandum

To: Tom Lyon, Chairman
Coordinating Committee

From: Executive Officer
Bureau-Survey Field Team
Region VIII

Subject: Carlton W. Blank
Asbestos Deposit, Warren County, N. Y.

Attached in quadruplicate are forms MF-100 and MF-103 executed by subject applicant.

McHenry Mosier

Attachments

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
OCT 5 9 34 AM '51

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. DMA 2130
Metal or Mineral
Date Received 10-5-51
Amount $
Participation (Government %)

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
OCT 5 9-35 AM '51

Name and address of applicant

Date September 20, 1951

If you have already filed MF-100, give date filed _____, type of assistance requested _____,

DMA Docket Number (if available) None

INSTRUCTIONS

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

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

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

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

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

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

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

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

See attached statement.

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

(Name of company)

By Carlton W Blank
(Signature of authorized official)

Sept. 25, 1957
(Date)

(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—64067-2

Answer to Question 2 (b)

Many years ago my father discovered an asbestos bearing surpentine belt crossing the property diagonally northeast and southwest and from the work done at that time he believed and I believe that the property will be found to contain chrisolite asbestos in large quantities. A cut was made approximately 40 feet long, 27 feet deep and 16 feet wide. Fibrous surpentine was found at the start in considerable quantities with three distinct veins of crude or vein asbestos. One vein was found dipping at about 40 degrees. At 10 feet fibers were discovered approximately one inch without a break. At 18 feet this vein increased and at the same time the quantity of fibrous surpentine increased and lost its brittleness. Brittleness was caused by exposure on the surface. At approximately 27 feet the work had to be abandoned in the cut due to meeting with water just at a time when the floor of the cut was showing fibrous surpentine in quantities. Both northeast and southwest of this cut the veins developed are distinctly traceable. The quality of the asbestos discovered near the surface in the main cut proved the richness of the surpentine belt on this property which will, in my opinion, develop in the first 100 feet of working commercial output.

In opening this cut some 500 tons of rock was removed, out of which 1180 pounds of best crude was picked, this being one inch and better clear fiber. No account or record of lesser length of fiber was kept but I know this would be of marketable quality.

At a point 227 feet northeast an opening was made at the foot of a hill in which a vein was discovered bearing one inch clear fiber. There are outcroppings in all directions.

The surpentine is bounded on the northwest by a large body of granite extending toward the southwest. Owing to the overburden, it is difficult to state the width of the surpentine belt but I believe from indications that it is probably 500 feet wide. At the southwest end of the property fiber is showing along the cut crop in a cut made near this point. Indications show the whole belt to be identical throughout the property extending northeast and southwest to about 1800 feet in length.

The property is heavily timbered with an abundance of building stone and ample water, three important features in a mining operation. It is situated about seven and one-half miles from a railroad and on hard surfaced roads.

Patton W. Blank

Answers to Question 3 (a) and (b)

(a) Core drilling three holes to a depth of 100 feet and seven holes to the depth of 50 feet.

(b) Approximately 40 days. Such operations cannot be conducted in the winter months.

4. Map is not available. Drilling would be at sites selected by me or in conference with Government specialists.

5. There are no existing facilities.

6. Until land is proved, there is no need for buildings, etc.

7. (a), (b) and (c). Contract will be given to a competent core driller at a rate of approximately $6 per foot.

8. None.

9. None.

10. (a) Approximately $500.

(b) I believe this amount is sufficient.

11. See answer to question 2 (b).

3 x 100 = 300
7 x 50 = 350
650
6
3900

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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Not To Be Filled in by Applicant

Docket No. dma/2130
Metal or Mineral
Date Received 10-5-51
Amount $
Participation (Government %)

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C.
OCT 5 9 35 AM '51

Name and address of applicant

CARLTON H. BLAUK
2 CANTERBURY LANE
WESTFIELD, NEW JERSEY

Date September 19, 1951

If you have already filed MF-100, give date filed _____, type of assistance requested _____,

DMA Docket Number (if available) None

INSTRUCTIONS

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

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   See attached deeds.

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

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

   See sheet attached.

16—64067-2

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CERTIFICATION

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

By Carlton W. Park
(Signature of authorized official)

(Name of company)

Sept. 25, 1951
(Date)

(Title)

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Carlton W. Blank

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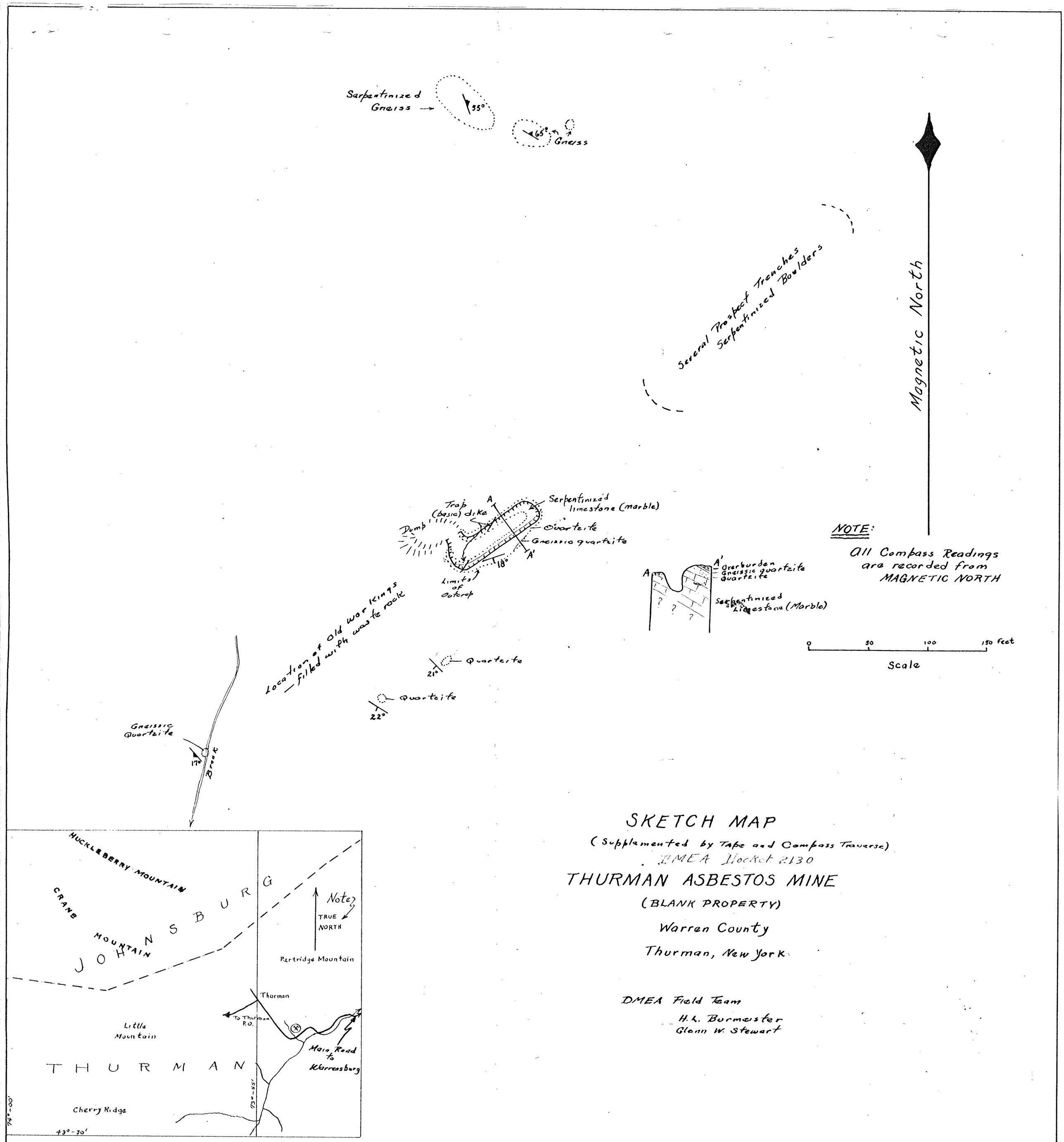
Serpentinized Gneiss
55°
65°
Gneiss
Several Prospect Trenches
Serpentinized Boulders
Magnetic North
Trap (basic) dike
Dump
A
A'
Serpentinized limestone (marble)
Quartzite
Gneissic quartzite
18°
Limits of outcrop
Overburden
Gneissic quartzite
Quartzite
Serpentinized Limestone (Marble)
NOTE:
All Compass Readings are recorded from MAGNETIC NORTH
0
50
100
150 feet
Scale
Location of old workings filled with waste rock
Quartzite
21°
Quartzite
22°
Gneissic Quartzite
17°
Brook
HUCKLEBERRY MOUNTAIN
CRANE MOUNTAIN
JOHNSBURG
Note
TRUE NORTH
Partridge Mountain
Thurman
To Thurman P.O.
Little Mountain
THURMAN
Main Road to Warrensburg
Cherry Ridge
43°-30'
74°-00'
SKETCH MAP
(Supplemented by Tape and Compass Traverse)
DMEA Docket 2130
THURMAN ASBESTOS MINE
(BLANK PROPERTY)
Warren County
Thurman, New York
DMEA Field Team
H. L. Burmester
Glenn W. Stewart
July 21, 195
INDEX MAP
Scale
1" = 1 mile
(from North Creek Quandrangle)