700

FILE COPY
Surname:

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

JUN 27 1956

Mr. Karl G. Jespersen
Eagle Lake Mining Company
Pleasant Street
Cos Cob, Connecticut

Re: Docket No. DMEA-4132 (Uranium)
Branchville Mine
Fairfield County, Connecticut

Dear Mr. Jespersen:

Reference is made to our letter, dated May 25, 1956, in which we stated that the subject docket would be considered closed unless certain information required to process the captioned application had reached this office within thirty days from the date of that letter. No answer to our communication having been received, we therefore inform you that the subject docket is considered closed effective as of June 25, 1956.

This is without prejudice to the merits of your proposed project. We regret the necessity of this action and express appreciation for your interest in the exploration program during the period your application has been under consideration.

Pursuant to your request, we are returning the following exhibits:

1. Copy of a letter, dated December 14, 1955, to Mrs. Bessie Shornick from you;

2. Letter, dated December 16, 1955, to you from Mr. Abram W. Spire; and

3. Copy of a letter, dated January 3, 1956, to Mrs. Bessie Shornick from you.

Sincerely yours,

G. O. Mittendorf

Administrator

Enclosures

FLKnouse/izm 6-27-56
cc to: Docket
Code 700-Mr. Knouse
Admr.'s Reading File
DMEA Field Team Reg. V (2)
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

R.G.S.

700

FILE CODE
Surname: FLKnouse

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

MAY 25 1956

Mr. Karl G. Jespersen
Eagle Lake Mining Company
Pleasant Street
Cos Cob, Connecticut

Re: Docket No. DMEA-4132 (Uranium)
Branchville Mine
Fairfield County, Connecticut

Dear Mr. Jespersen:

This is with reference to our letter, dated February 1, 1956, and subsequent letters, concerning the information we require in order to continue processing your application.

Inasmuch as you have not furnished all of the information requested, we are unable to take further action on your application. We wish to cooperate with you and allow ample time for the submission of the required data, but if the information has not been received within thirty days from the date of this letter, we will then consider the docket closed.

Sincerely yours,

SIGNED

F. L. Knouse, Acting Chief
Rare and Miscellaneous
Metals Division

FLKnouse/izm 5-25-56
cc to: Docket
Code 700
Mr. Knouse
Admr.'s Reading File
DMEA Field Team Region V (2)
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

R.G.J.

700

FILE COPY
Surname:

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

APR 11 1956

Mr. Karl G. Jespersen
Eagle Lake Mining Company
Pleasant Street
Cos Cob, Connecticut

Re: Docket No. DMEA-4132 (Uranium)
Branchville Mine
Fairfield County, Connecticut

Dear Mr. Jespersen:

This will acknowledge receipt of your letter, dated April 9, 1956, with two sets of maps of the Branchville Mine. These maps do not show the information requested in my letter of February 1, 1956, i.e., mineralized exposures, radioactive vein, location where samples were taken, chemical analyses of samples, etc. Please advise when we may expect to receive this information, together with the other data requested in said letter.

We note in your letter, that you are still negotiating for a satisfactory lease on subject property.

Further processing of your application is pending receipt of the above information.

Sincerely yours,

SIGNED
Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

FLKnouse/izm 4-11-56
cc to: Docket
Code 700
Mr. Knouse
Admr.'s Reading File
DMEA Field Team, Region V, (2)
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

R.C.S.

4-10-56

KARL G. JESPERSEN

ENGINEERS & BUILDERS
PLEASANT STREET
COS COB, CONNECTICUT

RECEIVED
APR 10 1956

April 9, 1956

Defense Minerals Exploration Administration
Washington, D.C.

D.M.E.A. 4132

Gentlemen;

Attached are 4 sets of the topography and location of the Branchville Mine in reference to the above application

Very truly yours

Karl G. Jespersen

Proper leases for this property are still under negotitation.

x map on all envelopes

Surname copy

700

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

F L Knouse
Ellis
Mitchell

MAR 15 1956

Mr. Karl G. Jespersen
Eagle Lake Mining Company
Pleasant Street
Cos Cob, Connecticut

Re: Docket No. DMEA-4132 (Uranium)
Branchville Mine
Fairfield County, Connecticut

Dear Mr. Jespersen:

Reference is made to our letter, dated February 1, 1956, relating to the captioned docket.

Action on your application is pending receipt of the information requested in the above-mentioned letter. If you are no longer interested in the processing of this application, please advise us.

Sincerely yours,

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

FLKnouse/gla
3-15-56
cc to: Docket
Code 700, Mr. Knouse
Admr.'s Reading File
DMEA Field Team, Region V (2)
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

R.C.R.

700

FILE COPY
Surname:
F. Kanner
Mitkevoy

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

Mr. Karl O. Jespersen
Eagle Lake Mining Company
Pleasant Street
Cos Cob, Connecticut

FEB - 1 1958

Re: Docket No. DMEA-4132 (Uranium)
Branchville Mine
Fairfield County, Connecticut

Dear Mr. Jespersen:

This is with reference to your application for Government aid to explore the subject property.

In order that we may continue to process your application we will require the following additional information:

1. Four copies of a map or sketch drawn to scale, which shows (a) the mineralized exposures (including the vein of radioactive ore referred to in your application); (b) location of samples taken from the mineralized exposures, with their chemical analyses; and (c) location of proposed exploratory drilling, all in relation to the property boundaries.

   In this connection, describe how each sample was taken, the length of the sample cut, and furnish an assay certificate showing the chemical analysis of each sample. However, if no samples have been taken from these exposures and analyzed chemically, not less than three samples should be cut across the most prominent mineralized exposures at intervals of 10 to 25 feet and analyzed chemically for uranium. A description of how each sample was taken, the length of the sample cut, and the assay certificate showing the chemical analysis of each sample will be required. The locations where the samples were procured should be shown on the above map.

2. We note in your exchange of correspondence with the property owner that you have requested permission to do some preliminary exploration work on the subject property. We assume from this correspondence that you do not have sufficient interest in the land for the purpose of the proposed exploration project with this Agency (see attached DMEA Order-1 Amended, Sec. 8. Operator's property rights). We will

R.G.

require evidence that you control the subject property by furnishing us a copy of a lease, option to purchase, assignment, or other instrument.

Upon receipt of the above information we will continue the processing of your application.

Sincerely yours,

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

Enclosures

FLKnouse/gla/izm 2-1-56

cc to: Docket
Code 700
Mr. Knouse
Admr.'s Reading File
DMEA Field Team, Region V (2)
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

2-2-56 dzm

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

RECEIVED
FEB - 1 1956

January 31, 1956

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee

Subject: Application for assistance, DMEA Docket 4132, Eagle Lake Mining Company, Branchville Mine, Fairfield County, Connecticut

I have reviewed the attached application of the Eagle Lake Mining Company, DMEA Docket 4132, dated January 16 and received in this office January 18. I have also discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The applicant has requested DMEA assistance in exploring for uranium in the Branchville Mine, Fairfield County, Connecticut. The proposed project includes rehabilitation of the existing shaft and tunnels and 60 core holes drilled in a manner to determine the depth and location of the vein. The total estimated cost of the program is $145,200.

Pitchblende was mined in the Branchville Mine from 1900 to 1910, according to the application, but no evidence was presented which would indicate the presence of uranium in the existing mine. The applicant refers to a USGS report to substantiate his justification for an exploration program.

Inasmuch as the pertinent information is lacking, we recommend that the applicant be requested to submit more evidence of mineralization so that a more complete evaluation of the application can be made.

John E Crawford
John E. Crawford

Attachment

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

RECEIVED
FEB - 1 1956

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

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John E. Crawford

Attachment

KARL G. JESPERSEN
ENGINEERS & CONTRACTORS
PLEASANT STREET
COS COB, CONNECTICUT

4132
Crawford

RECEIVED
JAN 18 1956

January 16, 1956

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

Mr. O. O. Mittendorf, Administrator

Dear Mr. Mittendorf;

I am enclosing the application for Aid in an Exploration Project in accordance with our telephone conversation earlier today. I trust that all possible action on this matter may proceed with as little delay as possible.

The company name for this partnership venture will be the Eagle Lake Mining Company, Pleasant Street, Cos Cob, Conn. Our phone number is Greenwich 8-5580.

Very truly yours,

Karl G. Jespersen

Karl G. Jespersen

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED

JAN 18 1956

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

Not to be filled in by applicant

Docket No. DMEA-4132
Metal or Mineral Uranium
Date Received 1-18-56
Estimated Cost $145,200.00
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: EAGLE LAND MINING COMPANY
Pleasant Street
Cos Cob, Connecticut
A partnership in the above state and Town of Greenwich.

(*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 Branchville Mine, Branchville, Connecticut Township of Redding, Fairfield, Connecticut, situated 0.5 miles easterly from Highway US 7 in the town of Branchville, Conn. and owned by the estate of Mrs. Bessie Shorniok secured by lease.

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

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

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

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

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

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

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

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

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

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

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Uranium with a possibility of occurrences of mica and beryl.

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

(*c*) The work will start within 10 days and be completed within 24 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☒ Use of equipment owned by you ☒ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated January 16, 1956

EAGLE LAKE MINING COMPANY
(Applicant)

By Karl G. Jorgensen
Pleasant Street
Ansonia, Conn.

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

KARL G. JESPERSEN
ENGINEERS & CONTRACTORS
PLEASANT STREET
COS COB, CONNECTICUT

EAGLE LAKE MINING COMPANY
COS COB, CONNECTICUT

RECEIVED
JAN 18 1956

Name of Applicant
1d---------Karl G. Jespersen Pleasant Street, Cos Cob, Connecticut
Patrick Blanchette Eagle Lake, Maine
Aurel Blanchette Eagle Lake, Maine
Roderick Ouellette Eagle Lake, Maine

4a---------The Branchville Mine was originally opened over 100 years ago for the many minerals which it contains. The Connecticut Guide of 1937 lists the mine and shows about 31 different kinds of mineral deposits contained therein. Pitchblende was mined here from 1900 to 1910 approximately and reduced for radium. US Department of Interior Geological Survey of this mine in 1944 showed the pegmatite occurrence and traced veins of mica and beryl about the then existing shaft. Both mica and beryl have been worked here on a commercial basis. The present shaft is filled with water to a level about forty or more feet deep. The timber ramp for the old mine is still usable and some of the mine buildings can be repaired with little expense. All hoists, cars, electric equipment, pumps and other equipment have been removed. Some of the original openings have been filled in with surplus earth and rocks to level off the adjacent area. The mine is very accessible from the railroad and Highway US 7 being paved road all the way. The head of the shaft is clearly visible. The veins of radioactive ore run parrallel to the face of the present cut and can be examined with ease. Because of the water in the shaft we have been unable to probe deeper into the extent of the vein than that which is visible or traceable from above the waterline.

KARL G. JESPERSEN
ENGINEERS & CONTRACTORS
PLEASANT STREET
COS COB, CONNECTICUT

4b-------Past production of this mine are not entirely known as far as the production of uranium bearing ore is concerned except that such ore was once mined here. Mica and beryl have been mined here in the past fifteen years and the beryl assayed about 12% with the mica getting a good price until the mine closed. There is no ore reserve here at present.

4c-------Geological information concerning the type of vein and the type of minerals available was made on a Survey of the US Dept. of Interior Geological Survey in 1944 to 1945 titled the Branchville Mine. This survey indicates the types of ores present and the extent of the mine. The mine tunnels have been increased some since the original survey was made.

4d-------The mine and property is located in the town of Redding Fairfield County, Connecticut. The subdivision of the town is called Branchville. The mine is 1/4 mile from the railroad spur track and 0.3 miles from Route US 7 over secondary paved hard roads. Electric power is available at the road and was once used at the mine. Water is from springs in the mine and is the source of water for an industrial plant adjacent to the mine. Houses neighbor the mine property on three sides.

4e-------Local manpower is readily available from the nearby towns and will be supplied in part by all four partners in this venture.

KARL G. JESPERSEN
ENGINEERS & CONTRACTORS
PLEASANT STREET
COS COB, CONNECTICUT

4e-(continued)--Each of the partners is skilled in at least one phase of the mining operation and laboring to achieve the necessary results. Skills represented include engineer, accounting, management, carpentry, dozer operator and driver, compressor and air equipment operator, mechanic, dynamite man, and general construction works. Supplies are readily available from the main US Highway and roads lead direct to the property. Equipment now wholely owned by us include all detection equipment as follows; Precision Radiation Co. Geiger Counter 'Husky Strike' model, Precision Radiation Co. Scintillator model 111S, Ultra Violet Products Corp. Mineralight model 43. Working equipment which will be used includes the following; Ingersoll Rand 100cfm Air Compressor and accessories, Homelite 2500 Watt 110Cycle Generator and equipment, Dump Trucks, Pickup Trucks, Station Wagons, Hand Tools and miscellaneous equipment. Other equipment if required can be obtained locally either on a rental purchase plan or rental from local sources.

5b-------The proposed work is as shown on the sketch of the mine and the adjacent property. This includes core drilling in the points as marked to determine the depth and location of the vein.

5d-------The background of the several partners in this project are breifly outlined in the following;

KARL G. JESPERSEN
ENGINEERS & CONTRACTORS
PLEASANT STREET
COS COB, CONNECTICUT

3d-(continued)-- Karl G. Jespersen- Engineer and manager of the project has over 20 years experience in the construction industry including tunnelling, hardrocking, blasting, mucking, and general building. Accounting and overall management and purchasing will also be under his scope of work. Presently General Contractor.
Patrick Blanchette-Construction foreman and air equipment operator experienced with all types of construction and management of all classes of labor, skilled and unskilled.
Aurel Blanchette-Construction carpenter and rigger engaged in the construction industry. Engaged in construction of forms and all types of structures as well as maintenance of them. Another mineralogist by association with several mining ventures in the United States and Canada.
Roderick Ouellette-Carpenter and Machine operator has also been associated with several mining ventures in US and Canada. Can operate all types of equipment from shovels to dozers. Excellent on mechanical repair work and maintenance.

C-------The following schedule of rates for work and scope of all operations will cover the purpose of the grant. The scope of work as proportioned to be furnished by the Eagle Lake Mining Co. is noted along with the total cost of each item. Each item is general in nature and includes any incidentals necessary to its satisfactory conclusion.

KARL G. JESPERSEN
ENGINEERS & CONTRACTORS
PLEASANT STREET
COS COB, CONNECTICUT

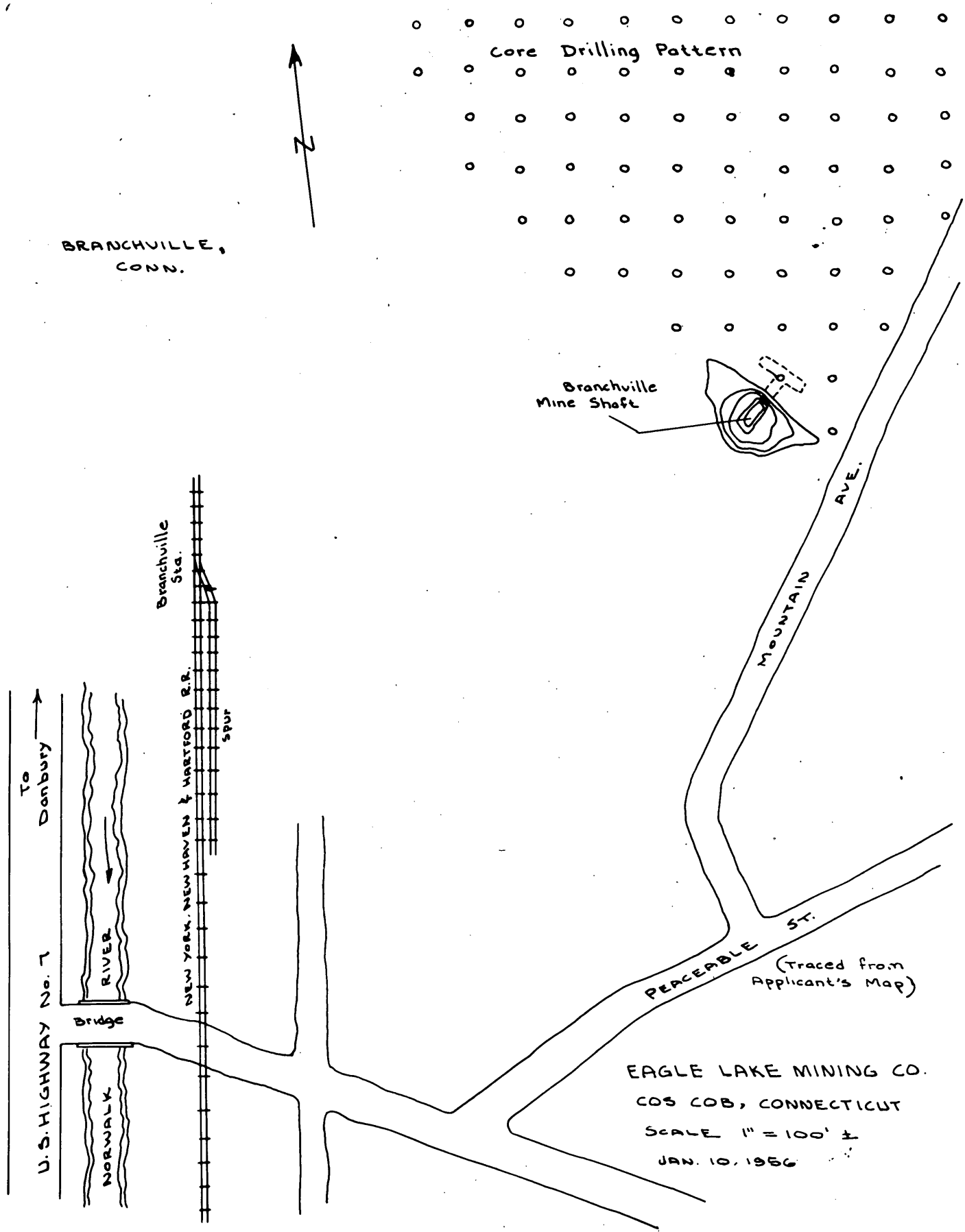
EAGLE LAKE MINING COMPANY
COS COB, CONNECTICUT

	Total Cost	Eagle Lake Share
Exploratory core drilling 60 core holes as shown on map of property.	$43,000.00	$20,000.00
Dynamite and caps	6,000.00	1,000.00
Shovel and Dozer Work	44,000.00	8,000.00
Dumping operations	8,000.00	2,000.00
Chemical assaying	7,000.00	None
Air Equipment operation	5,000.00	2,000.00
Trucking operations	6,000.00	1,400.00
Electric and supplies	1,500.00	None
Geological Fees	4,000.00	None
Office and Accounting	6,000.00	4,000.00
Repair to present Buildings	3,000.00	2,800.00
Repairs to Shaft and Tunnels	4,000.00	3,000.00
General unskilled labor	5,000.00	5,000.00
	$140,000.00	$40,000.00

The above figures relate that the partners of the Eagle Lake Mining Company propose to furnish about 1/3 of the total cost of this project. This will be accomplished by use of any applicable equipment owned by Eagle Lake Mining Company or by labor performed by the several partners.

Further consultation and investigation and inquiries will be welcomed. Any matter requiring additional information will be forwarded as promptly as possible.

DMEA 4[illegible]2


Core Drilling Pattern
N
BRANCHVILLE, CONN.
Branchville Mine Shaft
MOUNTAIN AVE.
Branchville Sta.
NEW YORK, NEW HAVEN & HARTFORD R.R.
SPUR
To Danbury
RIVER
Bridge
U.S. HIGHWAY No. 7
NORWALK
PEACEABLE ST.
(Traced from Applicant's Map)
EAGLE LAKE MINING CO.
COS COB, CONNECTICUT
SCALE 1" = 100' ±
JAN. 10, 1956

1/30/56 gla

IN REPLY REFER TO:

RECEIVED
JAN 27 1956

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

January 26, 1956

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: W. P. Williams, U. S. Geological Survey

Subject: Review of application, DMEA 4132 (uranium), Eagle Lake Mining Company, Branchville Mine, Branchville, Connecticut.

The applicant proposes to explore for uranium at the old Branchville mine in southwestern Connecticut. Quartz, feldspar, mica, spodumene, beryl, and columbite, according to written reports, have all been mined at the site at various times. Uraninite has been found at the mine, but the minerals are in a pegmatite; and pegmatites are known to be notoriously poor producers of significant amounts of uranium ore.

V. E. Shainin, in the American Mineralogist, July-August 1946, p. 344, states, "It is unlikely that the pegmatite (at Branchville) contains sufficient quantities of beryl, columbite-tantalite, uraninite and other rare minerals of economic importance to warrant commercial exploitation for them."

In a discussion of this application Mr. Jack Kratchman of the Atomic Energy Commission stated that the uranium producing potential of Connecticut pegmatites has been disappointing. Mr. Kratchman further suggested that the applicant be asked to demonstrate that the pegmatite on the property possesses much greater potentialities than the large number of other Connecticut pegmatites.

Small amounts, possibly as much as a few hundred pounds, of ore grade material could undoubtedly be found on the property by an extensive exploration program. The chances seem very slight, however, of discovering significant new ore reserves. Furthermore, DMEA participation in a project on this property would set something of a precedent in DMEA exploration for uranium in pegmatites.

I recommend that the application be denied. A field examination would not be necessary except for the purposes of public relations.

W P Williams

W. P. Williams

IN REPLY REFER TO:

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

RECEIVED
JAN 27 1956

January 26, 1956

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: W. P. Williams, U. S. Geological Survey

Subject: Review of application, DMEA 4132 (uranium), Eagle Lake Mining Company, Branchville Mine, Branchville, Connecticut.

The applicant proposes to explore for uranium at the old Branchville mine in southwestern Connecticut. Quartz, feldspar, mica, spodumene, beryl, and columbite, according to written reports, have all been mined at the site of various times. Uraninite has been found at the mine, but the minerals are in a pegmatite; and pegmatites are known to be notoriously poor producers of significant amounts of uranium ore.

V. E. Shainin, in the American Mineralogist, July-August 1946, p. 344, states, "It is unlikely that the pegmatite (at Branchville) contains sufficient quantities of beryl, columbite-tantalite, uraninite and other rare minerals of economic importance to warrant commercial exploitation for them."

In a discussion of this application Mr. Jack Kratchman of the Atomic Energy Commission stated that the uranium producing potential of Connecticut pegmatites has been disappointing. Mr. Kratchman further suggested that the applicant be asked to demonstrate that the pegmatite on the property possesses much greater potentialities than the large number of other Connecticut pegmatites.

Small amounts, possibly as much as a few hundred pounds, of ore grade material could undoubtedly be found on the property by an extensive exploration program. The chances seem very slight, however, of discovering significant new ore reserves. Furthermore, DMEA participation in a project on this property would set something of a precedent in DMEA exploration for uranium in pegmatites.

I recommend that the application be denied. A field examination would not be necessary except for the purposes of public relations.

WPWilliams:iml
G-1/26/56

W. P. Williams

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641; J. O. Hosted, 3210

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W. P. Williams

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641; J. O. Kosted, 3210

January 18, 1956

Subject: DMEA-4132
Re: Exploration Assistance
Branchville Mine

Eagle Lake Mining Company
Pleasant Street
Cos Cob, Connecticut

Gentlemen:

The receipt of your application dated January 16, 1956, for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4132 and referred to the Rare & Misc. Metals 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

KARL G. JESPERSEN
ENGINEERS & BUILDERS
PLEASANT STREET
COS COB, CONNECTICUT

RECEIVED
JAN 18 1956

January 16, 1956

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

Mr. C. O. Mittendorf; Administrator

Dear Mr. Mittendorf;

I am enclosing the application for Aid in an Exploration Project in accordance with our telephone conversation earlier today. I trust that all possible action on this matter may proceed with as little delay as possible.

The company name for this partnership venture will be the Eagle Lake Mining Company, Pleasant Street, Cos Cob, Conn. Our phone number is Greenwich 8-5580.

Very truly yours;

Karl G. Jespersen

Karl G. Jespersen

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
JAN 18 1956

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

Not to be filled in by applicant.

Docket No. DMEA-4132
Metal or Mineral Uranium
Date Received 1-18-56
Estimated Cost $145,200.00
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: EAGLE LAKE MINING COMPANY
Pleasant Street
Cos Cob, Connecticut
A partnership in the above state and Town of Greenwich.

(*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 Branchville Mine, Branchville, Connecticut
Township of Redding, Fairfield, Connecticut. situated 0.3 miles easterly from Highway US 7 in the town of Branchville, Conn. and owned by the estate of Mrs. Bessie Shornick secured by lease.

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

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

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

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

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

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

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

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

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

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

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Uranium with a possibility of occurrences of mica and beryl.

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

(*c*) The work will start within 10 days and be completed within 24 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

[ ] Money [X] Use of equipment owned by you [X] 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 January 16, 1956

EAGLE LAKE MINING COMPANY
(Applicant)

By Karl G. Jansson
President
Cos Cob, Conn.

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

KARL G. JESPERSEN
ENGINEERS & CONTRACTORS
PLEASANT STREET
COS COB, CONNECTICUT

EAGLE LAKE MINING COMPANY
COS COB, CONNECTICUT

RECEIVED
JAN 18 1956

Name of Applicant
1d--------Karl G. Jespersen Pleasant Street, Cos Cob, Connecticut
Patrick Blanchette Eagle Lake, Maine
Aurel Blanchette Eagle Lake, Maine
Roderick Ouellette Eagle Lake, Maine

4a--------The Branchville Mine was originally opened over 100 years ago for the many minerals which it contains. The Connecticut Guide of 1937 lists the mine and shows about 31 different kinds of mineral deposits contained therein. Pitchblende was mined here from 1900 to 1910 approximately and reduced for radium. US Department of Interior Geological Survey of this mine in 1944 showed the pegmatite occurrence and traced veins of mica and beryl about the then existing shaft. Both mica and beryl have been worked here on a commercial basis. The present shaft is filled with water to a level about forty or more feet deep. The timber ramp for the old mine is still usable and some of the mine buildings can be repaired with little expense. All hoists, cars, electric equipment, pumps and other equipment have been removed. Some of the original openings have been filled in with surplus earth and rocks to level off the adjacent area. The mine is very accessible from the railroad and Highway US 7 being paved road all the way. The head of the shaft is clearly visible. The veins of radioactive ore run parrallel to the face of the present cut and can be examined with ease. Because of the water in the shaft we have been unable to probe deeper into the extent of the vein than that which is visible or traceable from above the waterline.

4b------Past production of this mine are not entirely known as far as the production of uranium bearing ore is concerned except that such ore was once mined here. Mica and beryl have been mined here in the past fifteen years and the beryl assayed about 12% with the mica getting a good price until the mine closed. There is no ore reserve here at present.

4c------Geological information concerning the type of vein and the type of minerals available was made on a Survey of the US Dept. of Interior Geological Survey in 1944 to 1945 Titled the Branchville Mine. This survey indicates the types of ores present and the extent of the mine. The mine tunnels have been increased some since the original survey was made.

4d------The mine and property is located in the town of Redding Fairfield County, Connecticut. The subdivision of the town is called Branchville. The mine is 1/4 mile from the railroad spur track and 0.3 miles from Route US 7 over secondary paved hard roads. Electric power is available at the road and was once used at the mine. Water is from springs in the mine and is the source of water for an industrial plant adjacent to the mine. Houses neighbor the mine property on three sides.

4e------Local manpower is readily available from the nearby towns and will be supplied in part by all four partners in this venture.

KARL G. JESPERSEN
ENGINEERS & CONTRACTORS
PLEASANT STREET
COS COB, CONNECTICUT

4e-(continued)--Each of the partners is skilled in at least one phase of the mining operation and laboring to achieve the necessary results. Skills represented include engineer, accounting, management, carpentry, dozer operator and driver, compressor and air equipment operator, mechanic, dynamite man, and general construction works. Supplies are readily available from the main US Highway and roads lead direct to the property. Equipment now wholely owned by us include all detection equipment as follows; Precision Radiation Co. Geiger Counter 'Lucky Strike' model, Precision Radiation Co. Scintillator model 111B, Ultra Violet Products Corp. Mineralight model 43. Working equipment which will be used includes the following; Ingersoll Rand 105cfm Air Compressor and accessories, Homelite 2500 Watt HiCycle Generator and equipment, Dump Trucks, Pickup Trucks, Station Wagons, Hand Tools and miscellaneous equipment. Other equipment if required can be obtained locally either on a rental purchase plan or rental from local sources.

5b------The proposed work is as shown on the sketch of the mine and the adjacent property. This includes core drilling in the points as marked to determine the depth and location of the vein.

5d------The background of the several partners in this project are breifly outlined in the following;

5d-(continued)-- Karl G. Jespersen- Engineer and manager of the project has over 20 years experience in the construction industry including tunnelling, hardrocking, blasting, mucking, and general building. Accounting and overall management and purchasing will also be under his scope of work. Presently General Contractor.

Patrick Blanchette-Construction foreman and air equipment operator experienced with all types of construction and management of all classes of labor, skilled and unskilled.

Aurel Blanchette-Construction carpenter and rigger engaged in the construction industry. Engaged in construction of forms and all types of structures as well as maintenance of them. Amatuer mineralogist by association with several mining ventures in the United States and Canada.

Roderick Ouellette-Carpenter and Machine operator has also been associate d with several mining ventures in US and Canada. Can operate all types of equipment from shovels to dozers. Excellent on mechanical repair work and maintenance.

6------The following schedule of rates for work and scope of all operations will cover the purpose of the grant. The scope of work as proportioned to be furnished by the Eagle Lake Mining Co. is noted along with the total cost of each item. Each item is general in nature and includes any incidentals necessary to its satisfactory conclusion.

KARL G. JESPERSEN
ENGINEERS & CONTRACTORS
PLEASANT STREET
COS COB, CONNECTICUT

EAGLE LAKE MINING COMPANY
COS-COB, CONNECTICUT

6-----	Total Cost	Eagle Lake Share
Exploratory core drilling 60 core holes as shown on map of property.	$48,000.00	$20,000.00
Dynamite and caps	6,000.00	1,000.00
Shovel and Dozer Work	44,000.00	8,000.00
Pumping operations	5,000.00	2,000.00
Chemical assaying	7,000.00	None
Air Equipment operation	5,000.00	2,000.00
Trucking operations	6,800.00	1,400.00
Electric and supplies	1,600.00	None
Geological Fees	4,000.00	None
Office and Accounting	6,000.00	4,000.00
Repair to present Buildings	2,800.00	2,800.00
Repairs to Shaft and Tunnels	4,000.00	3,000.00
General unskilled labor	5,000.00	5,000.00
	$145,200.00	$49,200.00

The above figures relate that the partners of the Eagle Lake Mining Company propose to furnish about 1/3 of the total cost of this project. This will be accomplished by use of any applicable equipment owned by Eagle Lake Mining Company or by labor performed by the several partners.

Further consultation and investigation and inquiries will be welcomed. Any matter requiring additional information will be forwarded as proptly as possible.

This was made to assist a prospective Applicant in making an Application for beryl exploration.

Pegmatite areas are crossed by Pit No. 2 but none large.

Proposed cut "A" may or may not be on the same peg. as the main or No. 1 pit but it does contain considerable peg. material & some small beryl crystals.

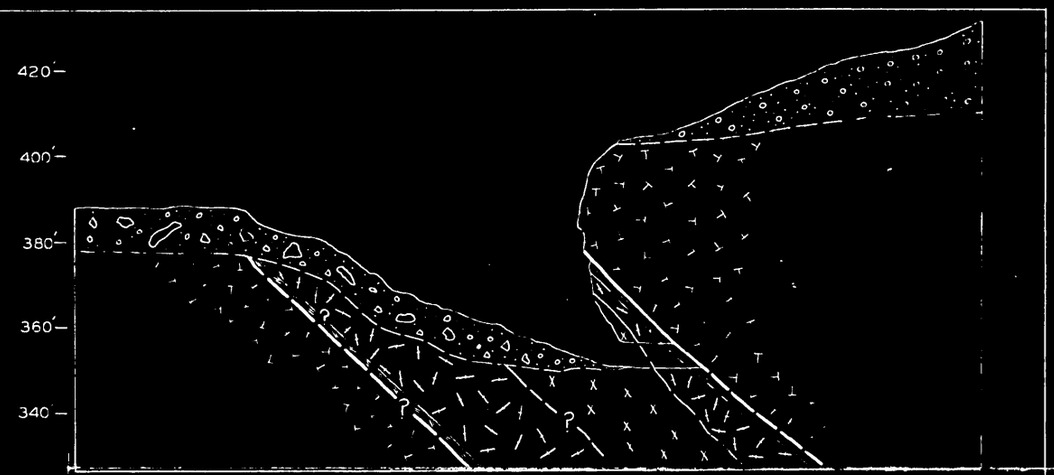
H. L. B.

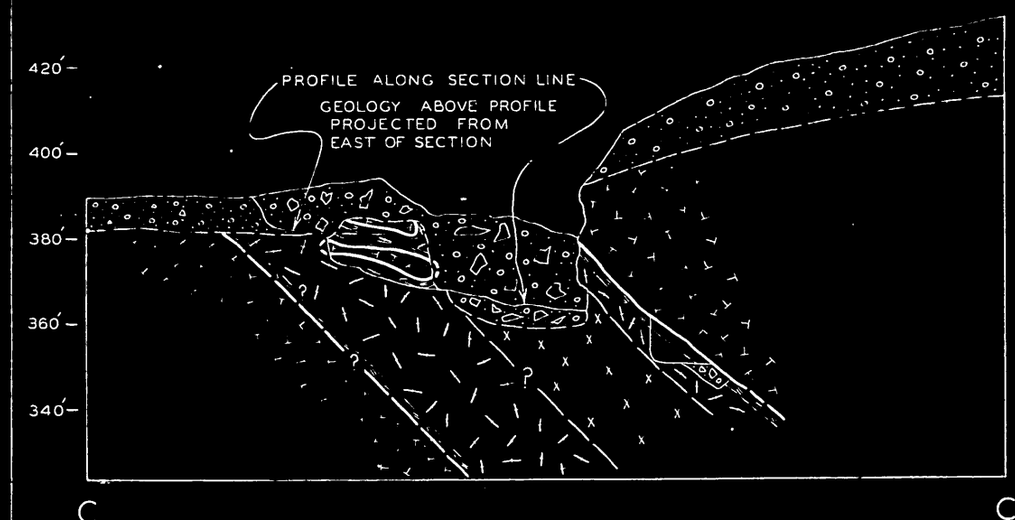
Harry L. Burmeister
U.S. Bur. Mines, College Pk.

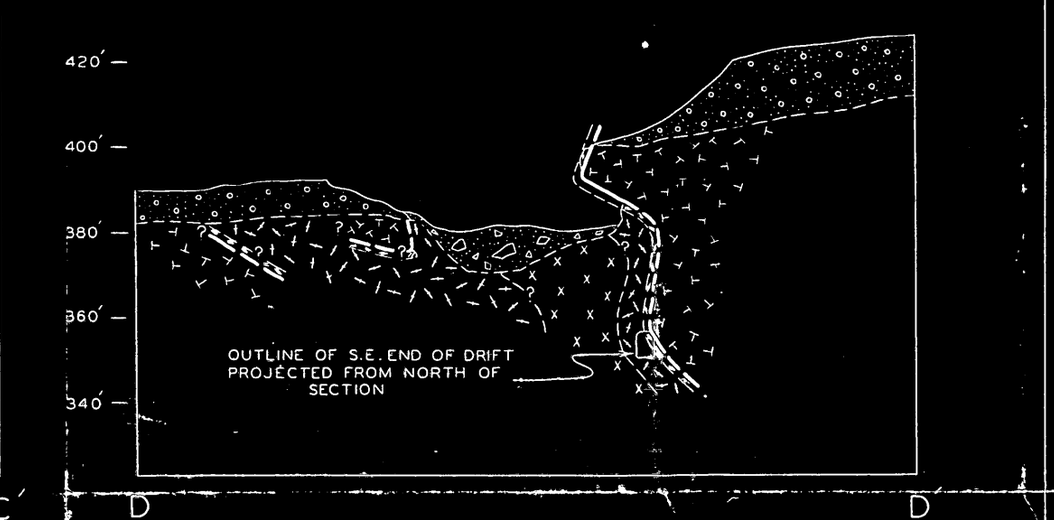
These maps
submitted with
applicants' letter
of 4-9-56.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STRATEGIC MINERALS INVESTIGATIONS
PRELIMINARY SECTIONS







LEGEND

- BACKFILL AND DUMP
- OVERBURDEN
- PEGMATITE
  - SHEET-MICA ZONE
  - QUARTZ - CLEAVELANDITE ZONE
  - QUARTZ CORE
- MEDIUM-GRAINED HORNBLENDE-BIOTITE AMPHIBOLITE
- CONTACT, DASHED WHERE INFERRED

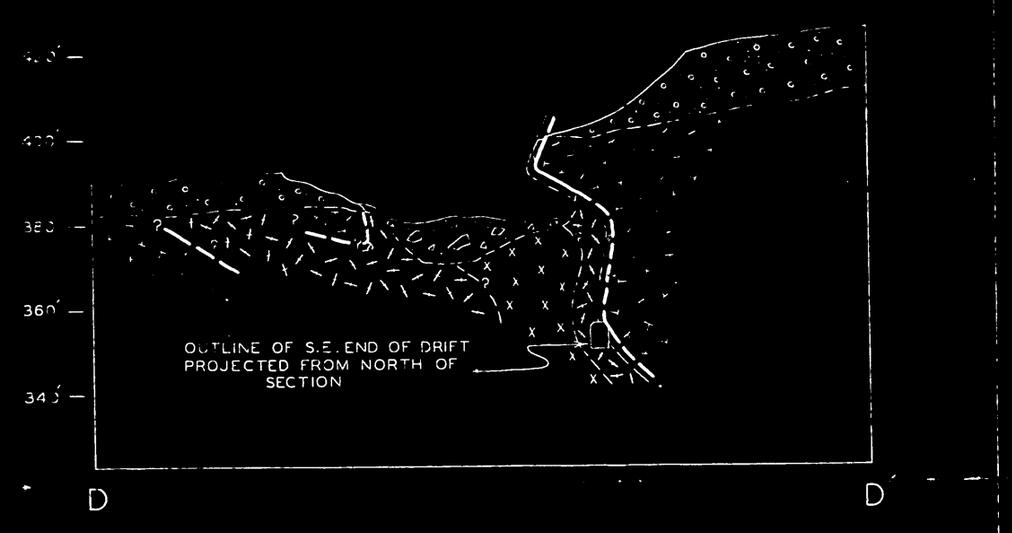
STRUCTURE SECTIONS

BRANCHVILLE MINE

REDDING, CONNECTICUT

0 20 40 60 80 FEET
SCALE FOR HORIZONTAL AND VERTICAL SCALES

SECTIONS BASED ON PLANE TABLE SURVEY, SEPT. 18-19, 1944
BY V. E. SHAININ, R. S. ADAMS



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BRANCHVILLE MINE

REDDING, CONNECTICUT

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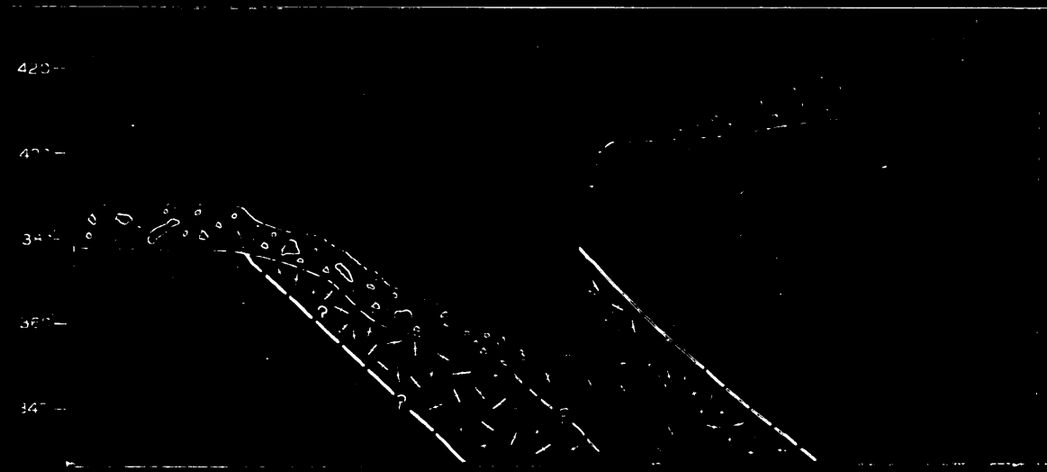
HORIZONTAL AND VERTICAL SCALE

SECTIONS BASED ON PLANE TABLE SURVEY, SEPT 11-19, 1944
BY V. E. SHAININ, K.S. ADAMS

Oct 24-44 · No. 63



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BRANCHVILLE MINE

REDDING, CONNECTICUT

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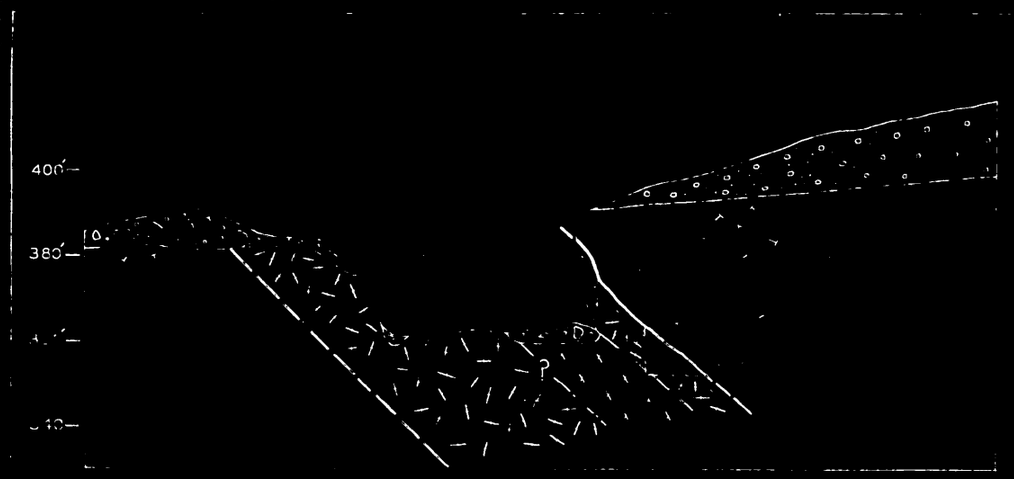
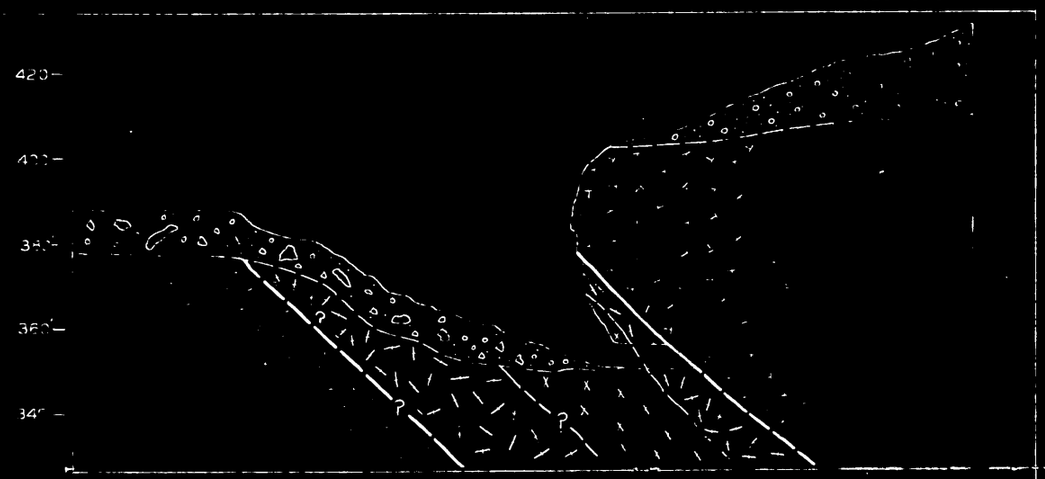
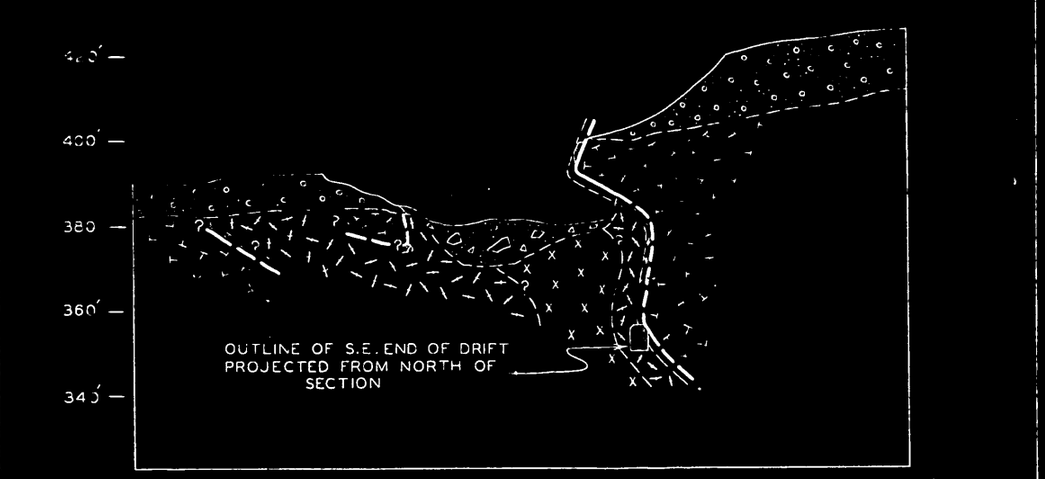
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STRATEGIC MINERALS INVESTIGATIONS
PRELIMINARY SECTIONS







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STRUCTURE SECTIONS

BRANCHVILLE MINE

REDDING, CONNECTICUT

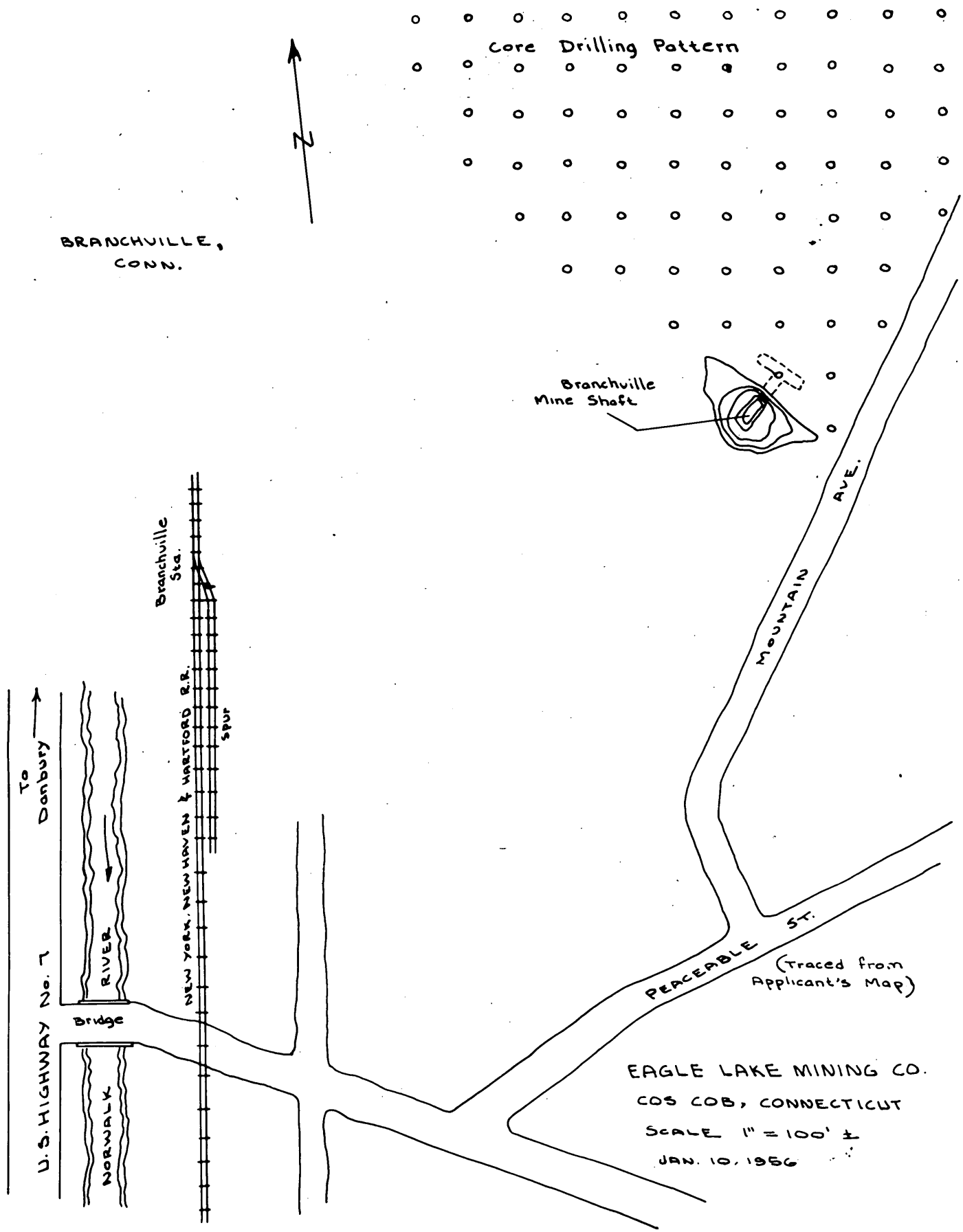
0 20 40 60 80 FEET

HORIZONTAL AND VERTICAL SCALE

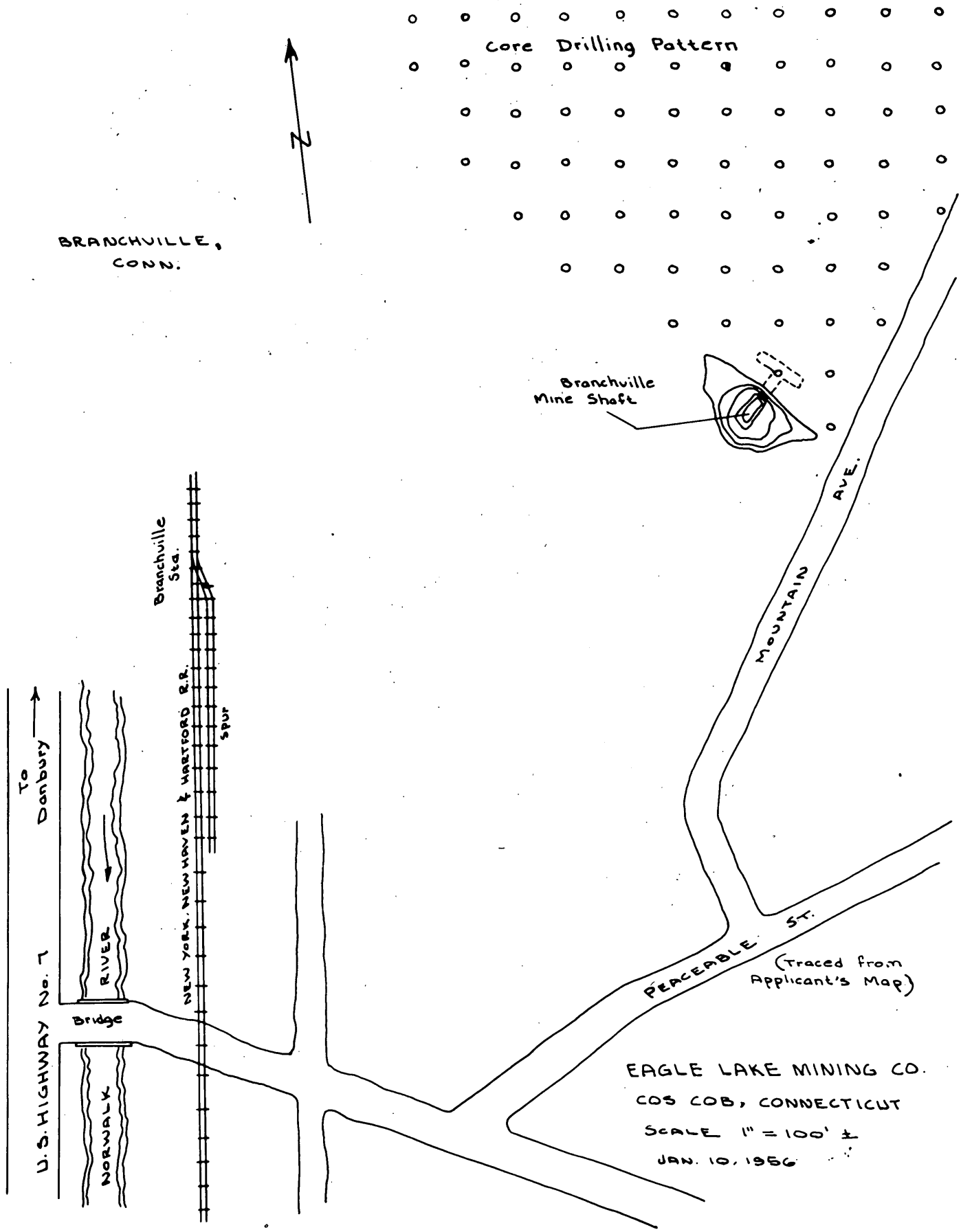
SECTIONS BASED ON PLANE TABLE SURVEY, SEPT 11-19, 1944
BY V. E. SHAININ, K. S. ADAMS

RECEIVED
APR 1 0 1956

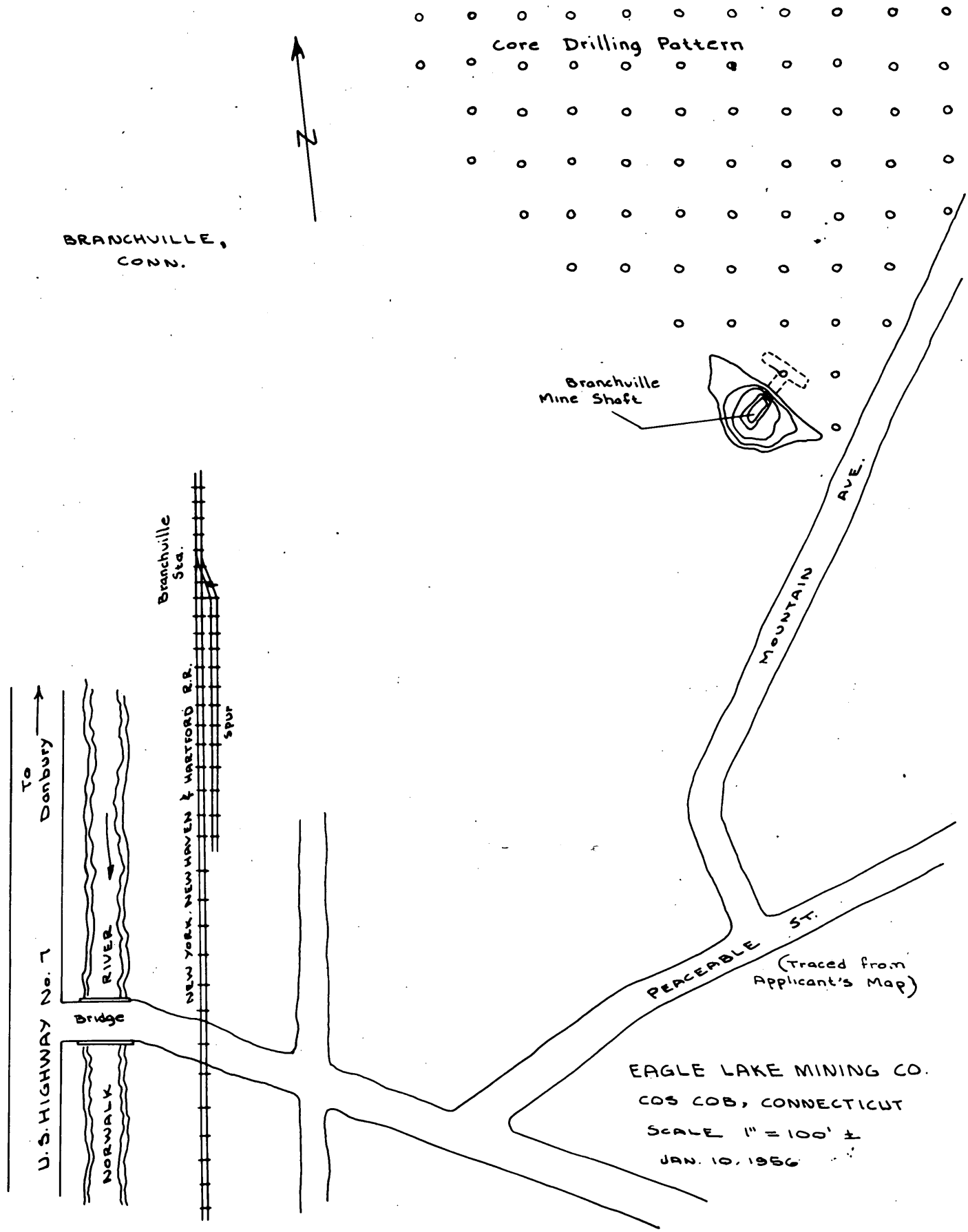
DMEA 4132


Core Drilling Pattern
N
BRANCHVILLE, CONN.
Branchville Mine Shaft
Branchville Sta.
NEW YORK, NEW HAVEN & HARTFORD R.R.
SPUR
To Danbury
RIVER
U.S. HIGHWAY No. 7
Bridge
NORWALK
MOUNTAIN AVE.
PEACEABLE ST.
(Traced from Applicant's Map)
EAGLE LAKE MINING CO.
COS COB, CONNECTICUT
SCALE 1" = 100' ±
JAN. 10, 1956

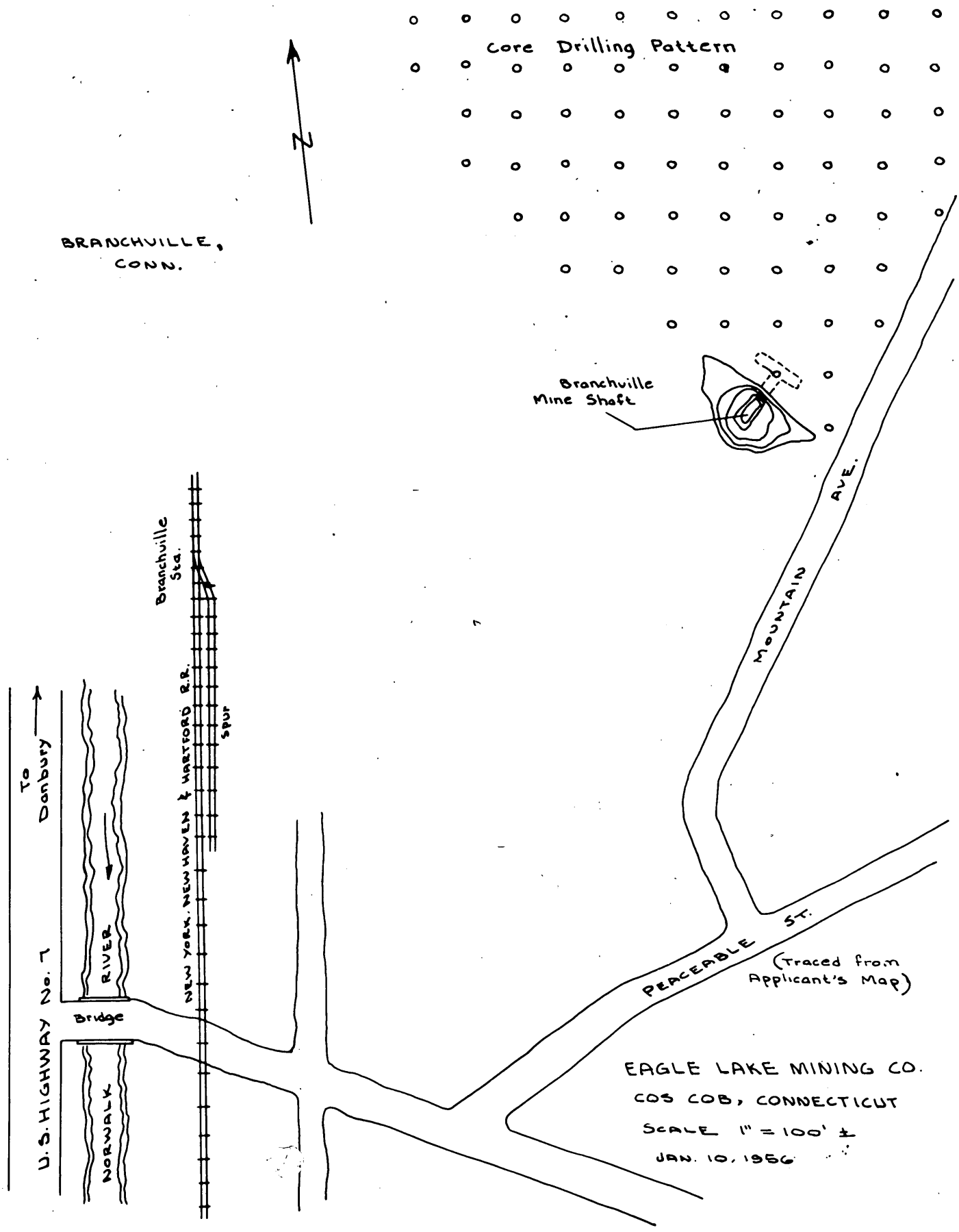
DMEA 4132

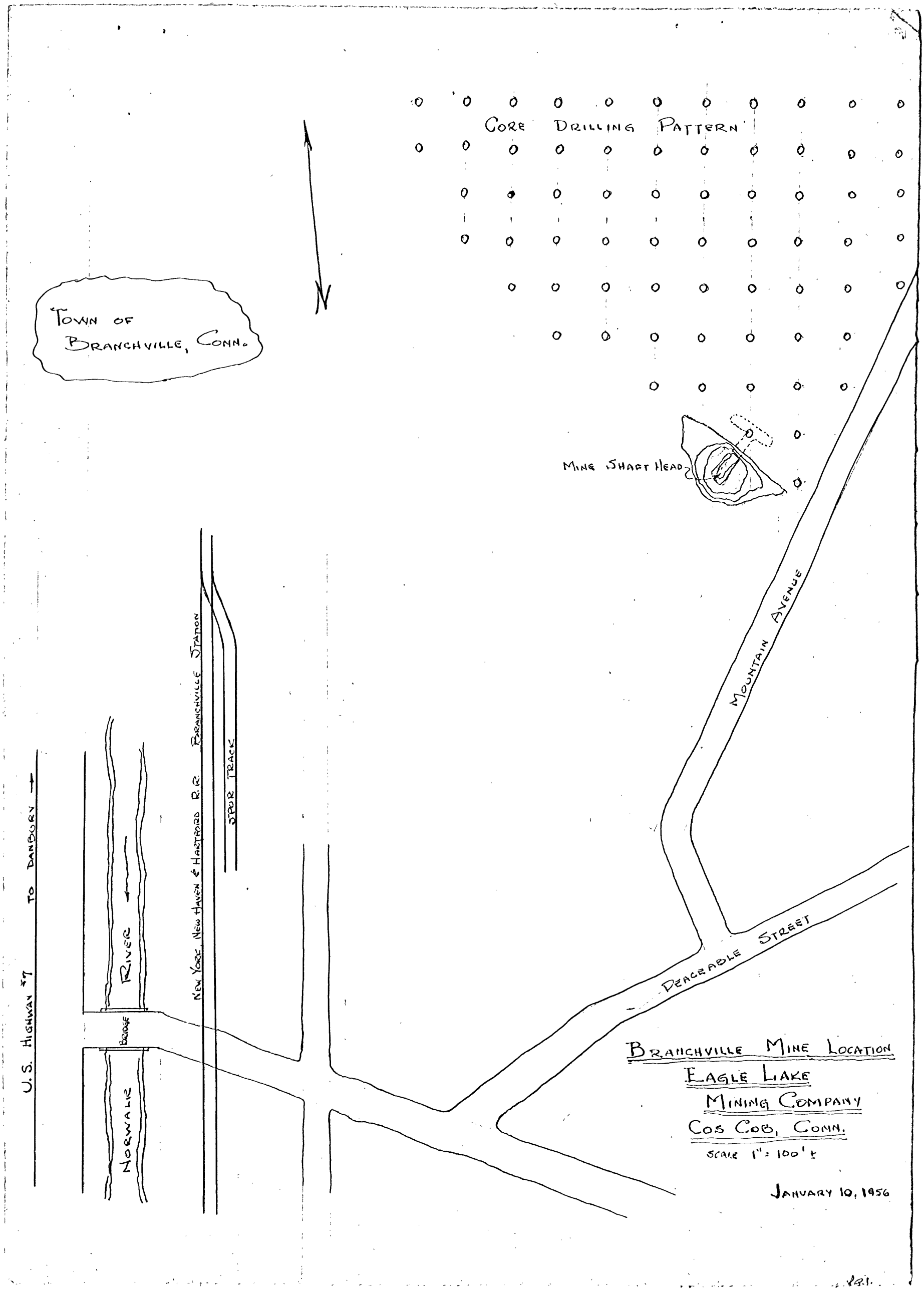

Core Drilling Pattern
N
BRANCHVILLE, CONN.
Branchville Mine Shaft
Branchville Sta.
NEW YORK, NEW HAVEN & HARTFORD R.R.
SPUR
MOUNTAIN AVE.
To Danbury
RIVER
Bridge
U.S. HIGHWAY No. 7
NORWALK
PEACEABLE ST.
(Traced from Applicant's Map)
EAGLE LAKE MINING CO.
COS COB, CONNECTICUT
SCALE 1" = 100' ±
JAN. 10, 1956

DMEA 4132

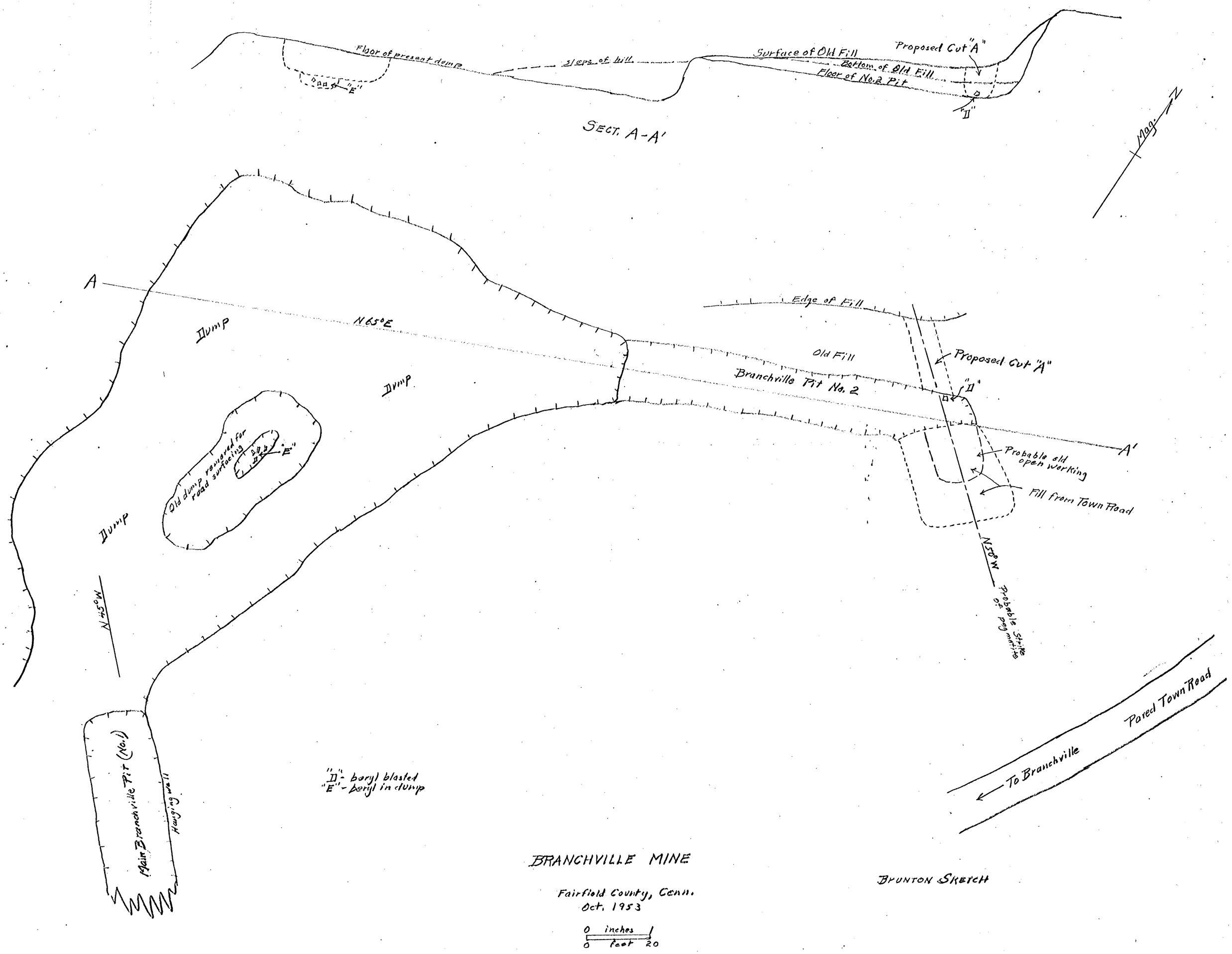

Core Drilling Pattern
N
BRANCHVILLE, CONN.
Branchville Mine Shaft
MOUNTAIN AVE.
Branchville Sta.
NEW YORK, NEW HAVEN & HARTFORD R.R.
SPUR
TO Danbury
RIVER
Bridge
U.S. HIGHWAY No. 7
NORWALK
PEACEABLE ST.
(Traced from Applicant's Map)
EAGLE LAKE MINING CO.
COS COB, CONNECTICUT
SCALE 1" = 100' ±
JAN. 10, 1956

DMEA 4132


Core Drilling Pattern
N
BRANCHVILLE, CONN.
Branchville Mine Shaft
Branchville Sta.
NEW YORK, NEW HAVEN & HARTFORD R.R.
SPUR
MOUNTAIN AVE.
To Danbury
RIVER
Bridge
U.S. HIGHWAY No. 7
NORWALK
PEACEABLE ST.
(Traced from Applicant's Map)
EAGLE LAKE MINING CO.
COS COB, CONNECTICUT
SCALE 1" = 100' ±
JAN. 10, 1956


Core Drilling Pattern
Town of Branchville, Conn.
Mine Shaft Head
Mountain Avenue
Peaceable Street
U.S. Highway #7 To Danbury
Norwalk River
Bridge
New York, New Haven & Hartford R.R. Branchville Station
Spur Track
Branchville Mine Location
Eagle Lake Mining Company
Cos Cob, Conn.
Scale 1" = 100' ±
January 10, 1956

DMEA 4132



BRANCHVILLE MINE

Fairfield County, Conn.
Oct. 1953

BRUNTON SKETCH

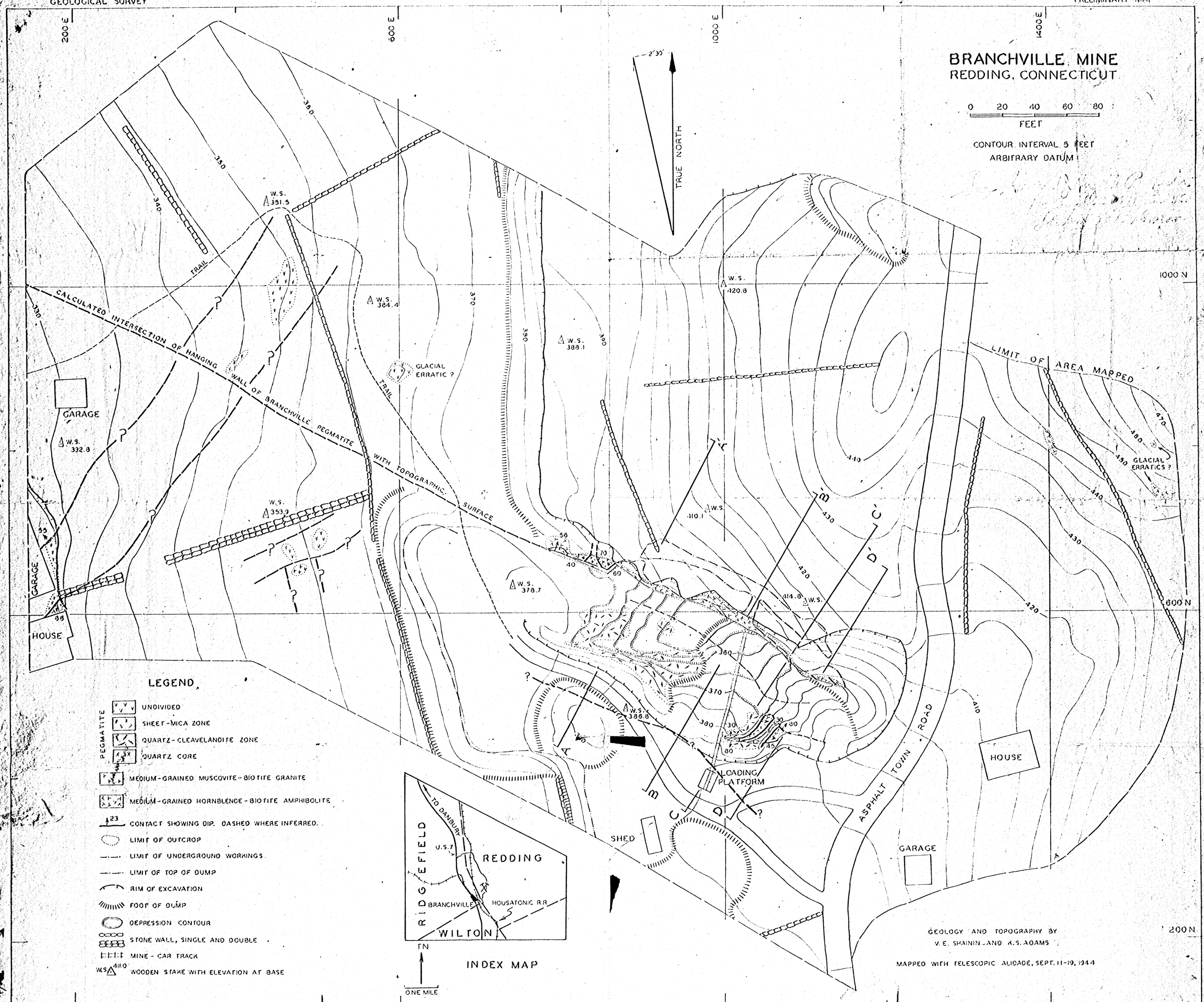
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STRATEGIC MINERALS INVESTIGATIONS
PRELIMINARY MAP

BRANCHVILLE MINE
REDDING, CONNECTICUT

0 20 40 60 80
FEET

CONTOUR INTERVAL 5 FEET
ARBITRARY DATUM



GEOLOGY AND TOPOGRAPHY BY
V. E. SHAININ AND K. S. ADAMS

MAPPED WITH TELESCOPIC ALIDADE, SEPT. 11-19, 1944