DMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

DMEA NO. 4634

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(Withdrawn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

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

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

Left Side

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

Right Side

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

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

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

Left Side

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

Right Side

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

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

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

9775

Lapinski

4634

KNOW ALL MEN BY THESE PRESENTS, that

We, ARTHUR P. LEVINE, of 1244 50th Street, Brooklyn, New York, and CHARLES CITELLI, 68 State Street, Rockville Centre, Long Island, New York, hereinafter referred to as "Assignors", for and in consideration of One Dollar and other good and valuable considerations in hand paid by NUTMEG MINING CORPORATION, a corporation created, organized and existing under the laws of the State of Connecticut, doing business in the Town of Salisbury, State of Connecticut, with an office in the Borden Building, Village of Lakeville, Town of Salisbury, County of Litchfield and State of Connecticut, the receipt and sufficiency of which is hereby acknowledged, and the other agreements and premises herein contained, do hereby grant, bargain, sell, convey, transfer, set over and assign to said Nutmeg Mining Corporation, all of Assignors' right, title and interest in and to that certain Agreement of Lease and Option, dated September 29, 1956, entered into by and between Loretto T. Morrissey of Gaylordsville, Connecticut, and the said Levine covering the leased premises therein described, with particularity consisting of Four Hundred Eighty-One (481) acres, more or less, situate in the County of Litchfield and State of Connecticut, an undivided one-half (1/2) interest in which said Lease and Option was assigned by the said Levine to the said Citelli by assignment dated November 1, 1956; together, also, with all of the right, title and interest of the said Levine in and to that certain Agreement of Modification and Amendment of said Lease and Option entered into by and between the said Morrissey and the said Levine, dated April 23, 1957, which said Lease and Option is duly recorded in the Litchfield Land Records in Vol. 119, Page 35.

TO HAVE AND TO HOLD the right, title and interest herein transferred and assigned unto the said Nutmeg Mining Corporation, its successors and assigns, forever.

The said Assignors do not warrant title to the above-described Agreement of Lease and Option, as modified and amended, nor to the premises covered thereby save as to persons claiming by, through or under them.

Nutmeg Mining Corporation by its acceptance of this assignment hereby assumes all of the burdens and obligations under the said above-described Agreement of Lease and Optinn as so amended and modified, and covenants and agrees to save harmless the said Levine and Citelli therefrom.

IN WITNESS WHEREOF, said Assignors have signed their names and affixed their seals this 24th day of May, 1957.

Witnesses:

Evelyn N. Goodwin

Theresa Dempsey

Arthur P. Levine L.S.
ARTHUR P. LEVINE

Charles Citelli L.S.
CHARLES CITELLI

STATE OF Connecticut)
) ss: Litchfield May 24th, 1957.
COUNTY OF Litchfield)

Personally appeared, ARTHUR P. LEVINE, signer and sealer of the foregoing instrument, and acknowledged the same to be his free act and deed, before me,

Theresa Dempsey
Notary Public

STATE OF Connecticut)
) ss: Litchfield May 24th, 1957.
COUNTY OF Litchfield)

Personally appeared, CHARLES CITELLI, signer and sealer of the foregoing instrument, and acknowledged the same to be his free act and deed, before me,

Theresa Dempsey
Notary Public

MF-203
Revised March 24, 1955

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator
Docket No. DMEA-
Contract No. Idm-E
Contract Date

RECEIVED FEB 13 1957 D.M.E.A.

CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of Litchfield, State of ~~Connecticut~~, described as ~~XXXXXXXXXXX~~ "in a deed Dec. 26, 1939 and recorded in Book 99, Pages 578, 579, 580 and 581.

~~Grantee and Owner is the undersigned~~

~~Miss Loretto T. Morrissey~~

~~Gaylordsville, Conn.~~,

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

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

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

None

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

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

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

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

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

5. Added provision: _____

Dated this 3 day of DECEMBER, 1956

x Loretta T. Morrissey [Seal] OWNER

x Lee R. Morrissey [Seal] WITNESS

_____ [Seal]

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

_____ [Corporate Seal]

MF-203
Revised March 24, 1955

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator
Docket No. DMEA-
Contract No. Idm-E
Contract Date

RECEIVED FEB 13 1957 D.M.E.A.

CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of Litchfield, State of Connecticut, described as follows:1/ "in a deed Dec.20,1030 and recorded in Book 99, Pages 678, 679, 680 and 681.

Grantee and Owner is the undersigned Miss Loretto T. Morrissey, Bridgewater, Conn.

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

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

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

None

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

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

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

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

5. Added provision: _____

Dated this 3 day of DECEMBER, 1956

Loretta I. Morrissey [Seal] OWNER

Lee R. Morrissey [Seal] WITNESS

_____ [Seal]

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

_____

[Corporate Seal]

MF-203
Revised March 24, 1955

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

RECEIVED FEB 28 1957 D.M.E.A.

CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of Litchfield, State of Connecticut, described as follows:1/ "in a deed Dec. 20, 1939 and recorded in Book 99, Pages 578, 579, 580 and 581.

Grantee and Owner is the undersigned Mrs. Loretto E. Morrissey, Taylorville, Conn.

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

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

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

None

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

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

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

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

5. Added provision: _____

Dated this 3 day of DECEMBER, 195_.6

Loretta I. Morrissey [Seal] OWNER

Sue R. Morrissey [Seal] WITNESS

_____ [Seal]

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

_____

[Corporate Seal]

MF-203
Revised March 24, 1955

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of Litchfield, State of Connecticut, described as follows:1/ "in a deed Dec. 26, 1939 and recorded in Book 99, Pages 578, 579, 580 and 581.

Grantee and Owner is the undersigned Miss Loretto T. Merrigsey, Gaylordsville, Conn.

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

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

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

None

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

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

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

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

5. Added provision: _____

Dated this 3 day of DECEMBER, 195 6

Loretta T. Morrissey [Seal] OWNER

Sue R. Morrissey [Seal] WITNESS

_____ [Seal]

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

_____

[Corporate Seal]

MF-203
Revised March 24, 1955

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EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

D.M.E.A.
RECEIVED
FEB 13 1957

CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of Litchfield, State of Connecticut, described as ~~follows:~~ "in a deed Dec.26,1939 and recorded in Book 99, Pages 578,579,580 and 581.

Grantee and Owner is the undersigned

Miss Loretto T. Morrissey

Gaylordsville, Conn.

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

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

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

None

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

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

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

5. Added provision: _____

_____

_____

_____

_____

_____

_____

_____

Dated this 3 day of DECEMBER, 1956

Loretta I. Monssey [Seal] OWNER

Sue R. Morrissey [Seal] WITNESS

_____ [Seal]

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

_____

[Corporate Seal]

MF-203
Revised March 24, 1955

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
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Contract Date _____

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CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of Litchfield, State of Connecticut, described as follows:1/ ~~xxxxxxxx~~ "in a deed Dec.26,1939 and ~~recorded in Book 99,Pages 578,579,580 and 581.~~

~~Grantee and Owner is the undersigned~~

~~Miss Loretto T. Morrissey~~

~~Gaylordsville,Conn.~~,

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

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

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

None

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

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

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

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

5. Added provision: _____

Dated this 3 day of DECEMBER, 195 6

Loretta I. Morrissey [Seal] OWNER

Sue R. Morrissey [Seal] WITNESS

_____ [Seal]

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

_____

[Corporate Seal]

ASSIGNMENT

KNOW ALL MEN BY THESE PRESENTS, That ARTHUR P. LEVINE, of 1244 Fifth Street, Brooklyn, New York, hereinafter referred to as "Levine", for and in consideration of the sum of One Dollar ($1.00) and other good and valuable consideration in hand paid by CHARLES CITELLI, of 68 State Street, Rockville Center, L.I., N.Y., hereinafter referred to as "Citelli", the receipt and sufficiency of which is hereby acknowledged, and the other agreements and promises herein contained, does hereby grant, bargain, sell, convey, transfer, set over and assign to said Citelli, an undivided one-half of all of Levine's right, title and interest in and to that certain Agreement of Lease and Option dated September 29, 1956, entered into by and between Miss Loretto T. Morissey, of Gaylordsville, Connecticut, and Levine covering the leased premises therein described with particularity consisting of 481 acres, more or less, situated in the County of Litchfield, State of Connecticut.

TO HAVE AND TO HOLD the interest herein transferred and assigned unto said Citelli, his heirs and assigns, forever.

1. WARRANTIES -

Levine does not warrant title to the above described agreement of lease nor the lands covered thereby save as to persons claiming by, through or under Levine.

2. Citelli by his acceptance of this assignment hereby assumes his proportionate share, being one-half, of all the burdens and obligations under the said above described Agreement of Lease and Option.

WITNESS the execution hereof this 1st day of November, 1956.

Arthur P. Levine (L.S.)

Witnesses:

Charles Citelli (L.S.)

STATE OF NEW YORK)
) SS
COUNTY OF NEW YORK)

November 1, 1956

Personally appeared ARTHUR P. LEVINE, and CHARLES CITELLI, signers and sealers of the foregoing instrument, and acknowledged the same, respectively, to be their free act and deed.

Notary Public

WILLIAM F. RICHARDS, JR.
Notary Public, State of New York
No. 60-8564700
Qualified in Westchester County
Commission Expires March 30, 1958

std.L&O form 54 LEASE AND OPTION (I)

Parties

MISS LORETTO T. MORRISSEY

OF TOWN OF CAYLORSVILLE

of the County of LITCHFIELD State of CONNECTICUT, referred to as "Lessor"

and

ARTHUR P. LEVINE

1244-50 STREET BOROUGH OF BROOKLYN

of the County of KINGS, State of NEW YORK referred to as "Lessee."

Consideration

The condideration for the execution of this lease and option by Lessor is the sum of $10.00 in cash, which shall apply against the minimum royalty, receipt of which is acknowledged by Lessor, and the mutual promises of the parties.

Leasehold

Lessor leases to Lessee and Lessee leases from Lessor for a term of THREE years, commencing on the 19 day of JULY, 1956, the mining claims or property, including structures and fixtures, situated in the County of LITCHFIELD, State of CONNECTICUT, Described as:

(A) NICKEL MINING & MINING CO. PROPERTY — 60 ACRES
(B) LAND BOUNDED N. BY SEE E. BY CORNWALL BRIDGE IRON CO., S. BY SEE AND GRANNIS, W. BY WHEELER & BENSON — 30 ACRES
(C) GRANNIS PROPERTY — 11 ACRES
(D) E. BY HIGHWAY S. BY WHEELER & BEMENT, N. BY GRANNIS — 30 ACRES
(E) DEED OF CHAS. DAY TO NICKEL MINING CO. — 90 ACRES
(F) CONNECTICUT MINING CO. —
(G) JOHNSON MINES
(H) ALSO THOSE LISTINGS BY TRUMAN PATTIN - TAX COLLECTOR (RECORDED DEC. 26, 1939 AT 9:10 O'CLOCK - FORE NOON) 200 ACRES
(LITCHFIELD LAND RECORDS VOL. 89, PG. 528, 9, 80, 81.)

Terms

I. Warranty. Lessor warrants that Lessor has the legal right to grant to Lessee the Leasehold, the option and the rights covered and conveyed by this Lease and Option, and that during the term hereof Lessee will have the full and unrestrained use and possession of the Leasehold, including all mining rights.

2

2. Preliminary examination. For a period of 8 Months from the date hereof, Lessee shall have the full and unrestrained right, without rent or royalty, to enter upon and explore any part or all of the leasehold and to undertake trial operations and preliminary mining operations, including the right to mine, extract and remove any amount of Ore or ores determined necessary or desirable by Lessee for testing, sampling and assaying purposes or for any other purposes reasonably related to Lessee's efforts to determine the value of the leasehold for commercial mining operations.

3. Development program. After completion of the preliminary examination to be conducted under paragraph 2, provided Lessee shall not have terminated this lease and option, Lessee, with reasonable diligence, will commence a development program in preparation for commercial mining operations on all or a part of the leasehold, in such manner and to such extent as lessee in lessee's sole judgment may deem to be desirable, which may consist of diamond drilling, trenching, crosscutting, construction

RECEIVED JUL 13 1957 D.M.E.A.

ark R.T.M.

of roads, dams, buildings and other structures, the drilling of water wells and the installation of pipe lines, machinery and equipment. Lessor will cooperate with Lessee at all times during the term of this lease and option to enable lessee to obtain contracts with the United States or Agencies thereof or any State or agency thereof, pursuant to programs or procedures, now existing or established in the future, of the United States Government or Agencies thereof or of any State or Agency thereof, to explore and developemineral deposits on the leasehold; and Lessor when requested by Lessee from time to timeshall, as owner of the mining claims and property subject to this lease and option, execute all contracts relating to such exploration and development work which may be required by the United States or Agencies thereof or by any State or Agency thereof or may be required to comply with any such Governmental program or procedure. Lessor hereby authorizes Lessee, and anyone delegated by Lessee, to execute such contracts in the name of Lessor and on Lessors behalf, and such authority, being an interest in the leasehold, shall be irrevocable during the term of this lease and option.

4. Mining operations. Upon completion of the development program contemplated by paragraph 3. provided Lessee in Lessee's sole judgment shall determine that all or part of the leasehold can be commercially mined at a reasonable profit, Lessee will commence mining operations on the leasehold and thereafter will continue such mining operations in a good and minerlike manner consistent with economical mining and with general economic conditions and in compliance with applicable laws and applicable rules, regulations and orders of governmental Agencies. Lessee shall have the right to mine, remove, process and sell any and all metals, ores gas, hydrocarbon substances, water and other minerals and inorganic substances located in, on or under the surface of the leasehold, and in connection therewith Lessee shall have the right to erect and thereafter to remove any buildings, structures and facilities and the right to make excavations, pits, tunnels and other openings and otherwise may use the leasehold and may conduct operations thereon in such manner as he may deem necessary or convenient.

5. Royalty. Upon completion of the preliminary examination under paragraph 2. and during the development program under paragraph 3. Lessee will pay to Lessor a minimum royalty of $50.00 per Month. After commencement of mining operations under paragraph 4. Lessee will pay to Lessor an earned royalty at the rate of----------

ARL R.T.M. (FIVE PERCENT) 5% Net Smelter Return to the end price of $160,000.00 (One Hundred and Sixty Thousand Dollars)

ARL R.T.M. for all ore mined from the leasehold and sold ~~and mined~~ and paid for, with a minimum royalty of $50.00 Per month. (The terms "net smelter returns" and "net market returns" if used in the foregoing royalty provisions shall mean the net amount received by lessee from the sale of ores or concentrates mined from the leasehold less the sum of the cost of transportation from mine to smelter, buying depot or other market place, and taxes applicable to such delivery and sale.))

The royalty for each month will be paid to Lessor by Lessee on or before the 20th Day of the following month and any excess of the earned royalty over the minumum royalty shall cumulate and be credited to minimum royalties ~~and~~ AS they become payable, and any excess of minimum royalties over the earned royalty shall cumulate and be~~come~~ credited to earned royalties ~~and~~ AS THEY become payable. ARL R.T.M.

6. Utilities. During the life of this lease and option Lessee shall have the right to authorize any public or private utility company to erect and maintain electricity connections, gas lines, or water lines upon the leasehold and if necessary or appropriate Lessor will grant, and by executing this lease and option does grant, to the utility company or companies the required easements and rights of way.

7. Taxes and assessment work. during the life of this lease and option lessee will pay all taxes and assessments levied on the leasehold and will do or cause to be done all required assessment work. Lessee shall have the right at any time to patent any or all of the mining claims covered by this lease and option.

8. Impairment of Lessee's rights. During the life of this lease and option Lessor will not do or cause to be done any act or thing that might prejudice, impair or burden Lessee's rights hereunder and will not convey or suffer any encumberance to be placed on all or any part of the leasehold.

9. Inspection. Lessor shall have the right during ordinary working hours and at reasonable intervals to make reasonable inspection of Lessee's operations on the leasehold and of Lessee's records relating to the ore mined from the leasehold, including the sale of ore and receipts of payment.

10. Delays. Lessee shall be excused from fulfilling any obligation imposed upon Lessee under this lease and option and such obligation shall be suspended when the failure shall result from an act of God, governmental order, rule or regulation, bank holiday or failure of any financial institution in which lessee has funds on deposit, inability to obtain materials, supplies, equipment, power or labor, whatever the cause, enemy activity or sabotage, or during any period when the price of ore mined from the leasehold shall be less than the cost of production.

11. Assignment. Leasee shall have the right to sublet any portion of the leasehold and the right to assign this lease and option provided the assignee assumes the obligations of leasee hereunder and upon such assignment and assumption the present lessee shall be relieved of all liability hereunder, with the assignee being solely liable for the obligations of lessee.

ARL L.T.M. 12. Termination ~~of~~ by Lessee. Lessee may terminate and surrender this lease and optionat any time, whereupon all liability of lessee to lessor shall terminate, except for accrued and unpaid royalties.

ARL L.T.M. 13. Termination by Lessor. If Lessee shall become in default hereunder, without being excused under the provisions of paragraph 10. ~~Hereunder~~ and shall fail to commence action to cure the default within 30 days after receiving written notice from lessor, this lease and option may be terminated by lessor. Upon the termination under this paragraph 13. all rights and obligations of lessee hereunder shall terminate, except for accrued and unpaid royalties.

14. Additional mining claims. Lessee shall have the right to acquire additional mining claims or properties adjacent to or near the leasehold without any royalty or rental obligation to lessor. Should lessee acquire additional mining claims or property he may consolidate the mining operations on the additional claims or properties with the leasehold and, to the extent deemed desirable by the lessee, lessee may drive tunnels, make openings or extend open pits from the leasehold to the adjoining claims or properties or otherwise conduct operations in the same manner and to the same extent as if the leasehold and the adjoining claims or properties constituted a single unit, provided only that lessee shall maintain adequate records disclosing the amount of ore mined and sold from the leasehold in order that the earned royalties payable to lessor under paragraph 5. may be calculated with reasonable accuracy.

15. Removal of property. Any time during the life of this lease and option and within 90 days after its termination, whether under paragraph 12. or 13. or by expiration of the term, lessee shall have the right to remove all or any of the property placed upon the leasehold by the lessee, including, without limiting the general, Fixtures, equipment, buildings, structures, pipelines, stockpiles and other severable items regardless of how, when or where placed, affixed, attached or imbedded, but excluding and excepting mine support shafts, head frames and timbers.

16. Option. Lessee shall have the option, by notice in writing mailed or otherwise given to lessor, at any time during the life of this lease and option to purchase the leasehold at a price of ARL L.T.M. One Hundred Thousand Dollars against which price all royalties paid by lessee under paragraph 5. shall be credited and applied. If lessee should exercise this option, lessor will execute and deliver to lessee, or lessee's nominee, a grant, deed or other document conveying the leasehold free and clear of any liens, obligations or title clouds.

std L&O
form 54

At any time during the life of this lease and option, upon demand of lessee, lessor will execute and deposit in an escrow selected by lessee a grant deed or other document conveying the leasehold to lessee, or lessee's nominee, with appropriate instructions to deliver such grant, deed or document to lessee upon the exercise by lessee of this option. The expenses of the escrow will be paid by the lessee.

17. Number. As used in this lease and option the words "lessor" and "lessee" include a corporation, an individual or two or more of either or both in order to reflect accurately the identity of the party or parties.

18. Heirs and assigns. This lease and option shall be binding upon and inure to the benefit of the heirs, executors, administrators and assigns of lessor and lessee.

19. Special provisions. AFTER P4 GOES INTO EFFECT A REASONABLE SUM OF MONEY AS AN ADVANCE AGAINST ROYALTY TO BE PAID TO LESSOR.

EXECUTED as of the 19 day of SEPTEMBER 1956.

Arthur P. Cerruy
"LESSEE"

L. Loretta Morrissey
"LESSOR"

note: If lessor or lessee is a corporation, seal must be affixed and secretary should attest it.

Witness: Sue R. Morrissey
Frank L. Beach

STATE OF CONNECTICUT)
COUNTY OF Litchfield) ss.: Gaylordsville Sept. 29, 195 6

Personally appeared Loretto T. Morrissey and Arthur P. Levine, signers and sealers of the foregoing instrument and acknowledged the same to be their free act and deed before me.

Frank C. Beach,
Notary Public

STATE OF CONNECTICUT)
COUNTY OF) ss.: _____, 195

Personally appeared _____, signer and sealer of the foregoing instrument and acknowledged the same to be _____ free act and deed before me.

My Commission Expires April 1, 1961

_____
Notary Public

STATE OF CONNECTICUT)
COUNTY OF) ss.: _____, 195

Personally appeared _____, signer and sealer of the foregoing instrument and acknowledged the same to be _____ free act and deed before me.

_____
Notary Public

STATE OF CONNECTICUT)
COUNTY OF) ss.: _____, 195

Personally appeared _____, signer and sealer of the foregoing instrument and acknowledged the same to be _____ free act and deed before me.

_____
Notary Public

std.L&O form 54 "LEASE AND OPTION (I)

Parties

Miss Loretto T. Morrissey

of Town of Cannondale

of the County of Litchfield State of Connecticut, referred to as "Lessor"

and

Amos Pelton

[illegible]

of the County of [illegible], State of [illegible] referred to as "Lessee."

Consideration

The condideration for the execution of this lease and option by Lessor is the sum of $10.00 in cash, which shall apply against the minimum royalty, receipt of which is acknowledged by Lessor, and the mutual promises of the parties.

Leasehold

Lessor leases to Lessee and Lessee leases from Lessor for a term of [illegible] years, commencing on the [illegible] day of [illegible], 1956, the mining claims or property, including structures and fixtures, situated in the County of Litchfield, State of Connecticut, Described as:

(A) [illegible] — 60 Acres
(B) Land bounded N. by See E. by Cornwall Bridge Iron Co. S. by See and Grants W. by Wheeler & Benson — 20 Acres
(C) Grants Property — 11 Acres
(D) E. by Highway S. by Wheeler & Bement, N. by Grants — 30 Acres
(E) Deed of Chas. Day to Nickel Mining Co. — 90 Acres
(F) Connecticut Mining Co. —
(G) Johnson Heirs
(H) Also those listings by Truman Patten - Tax Collector
(Recorded Dec. 26, 1939 at 4 o'clock - Fore Noon) 200 Acres
(Litchfield Land Records Vol. 44 Pg. 528, & 30, 31.)

Terms

1. Warranty. Lessor warrants that Lessor has the legal right to grant to Lessee the Leasehold, the option and the rights covered and conveyed by this Lease and Option, and that during the term hereof Lessee will have the full and unrestrained use and possession of the Leasehold, including all mining rights.

2

2. Preliminary examination. For a period of 8 Months from the date hereof, Lessee shall have the full and unrestrained right, without rent or royalty, to enter upon and explore any part or all of the leasehold and to undertake trial operations and preliminary mining operations, including the right to mine, extract and remove any amount of Ore or ores determined necessary or desirable by Lessee for testing, sampling and assaying purposes or for any other purposes reasonably related to Lessee's efforts to determine the value of the leasehold for commercial mining operations.

3. Development program. After completion of the preliminary examination to be conducted under paragraph 2, provided Lessee shall not have terminated this lease and option, Lessee, with reasonable diligence, will commence a development program in preparation for commercial mining operations on all or a part of the leasehold, in such manner and to such extent as lessee in lessee's sole judgment may deem to be desirable, which may consist of diamond drilling, trenching, crosscutting, construction

of roads, dam, buildings and other structures, drilling of water wells and the installation of pipe lines, machinery and equipment. Lessor will cooperate with Lessee at all times during the term of this lease and option to enable lessee to obtain contracts with the United States or Agencies thereof or any State or agency thereof, pursuant to programs or procedures, now existing or established in the future, of the United States Government or Agencies thereof or of any State or Agency thereof, to explore and developemineral deposits on the leasehold; and Lessor when requested by Lessee from time to timeshall, as owner of the mining claims and property subject to this lease and option, execute all contract relating to such exploration and development work which may be required by the United States or Agencies thereof or by any State or Agency thereof or may be required to comply with any such Governmental program or procedure. Lessor hereby authorizes Lessee. and anyone delegated by Lessee, to execute such contracts in the name of Lessor and on Lessors behalf, and such authority, being an interest in the leasehold, shall be irrevocable during the term of this lease and option.

4. Mining operations. Upon completion of the development program contemplated by paragraph 3. provided Lessee in Lessee's sole judgment shall determine that all or part of the leasehold can be commercially mined at a reasonable profit, Lessee will commence mining operations on the leasehold and thereafter will continue such mining operations in a good and minerlike manner consistent with economical mining and with general economic conditions and in compliance with applicable laws and applicable rules, regulation and orders of governmental Agencies. Lessee shall have the right to mine, remove, process and sell any and all metals, ores gas, hydrocarbon substances, water and other minerals and inorganic substance located in, on or under the surface of the leasehold, and in connection therewith Lessee shall have the right to erect and thereafter to remove any buildings, structures and facilities and the right to make excavations, pits, tunnels and other openings and otherwise may use the leasehold and may conduct operations thereon in such manner as he may deem necessary or convenient.

5. Royalty. Upon completion of the preliminary examination under paragraph 2. and during the development program under paragraph 3. Lessee will pay to Lessor a minimum royalty of $50.00 per Month. After commencement of mining operations under paragraph 4. Lessee will pay to Lessor an earned royalty at the rate of----------

a&L R.T.M. (FIVE PERCENT) 5% Net Smelter Return to the end price of $160,000.00 (One Hundred and Sixty Thousand Dollars)----------

a&L R.T.M. ----------

for all ore mined from the leasehold and sold ~~and mined~~ and paid for, with a minimum royalty of $50.00 Per month. (The terms "net smelter returns" and "net market returns" if used in the foregoing royalty provision shall mean the net amount received by lessee from the sale of ores or concentrates mined from the leasehold less the sum of the cost of transportation from mine to smelter, buying depot or other market place, and taxes applicable to such delivery and sale))

The royalty for each month will be paid to Lessor by Lessee on or before the 20th Day of the following month and any excess of the earned royalty over the minimum royalty shall cumulate and be credited to minimum royalties ~~and~~ they become payable, and any excess of minimum royalties over the earned royalty shall cumulat and be~~come~~ credited to earned royalties ~~and~~ become payable.

a&L R.T.M.

6. Utilities. During the life of this lease and option Lessee shall have the right to authorize any public or private utility company to erect and maintain electricity connections, gas lines, or water lines upon the leasehold and if necessary or appropriate Lessor will grant, and by executing this lease and option does grant, to the utility company or companies the required easements and rights of way.

7. Taxes and assessment work. during the life of this lease and option lessee will pay all taxes and assessments levied on the leasehold and will do or cause to be done all required assessment work. Lessee shall have the right at any time to patent any or all of the mining claims covered by this lease and option.

8. Impairme of L see's rights. Duri the l e of this lease and option Lessor will not do or cause to be done any act or thing that might prejudice, impair or burden Lessee's rights hereunder and will not convey or suffer any encumberance to be placed on all or any part of the leasehold.

9. Inspection. Lessor shall have the right during ordinary working hours and at reasonable intervals to make reasonable inspection of Lessee's operations on the leasehold and of Lessee's records relating to the ore mined from the leasehold, including the sale of ore and receipts of payment.

10. Delays. Lessee shall be excused from fulfilling any obligation imposed upon Lessee under this lease and option and such obligation shall be suspended when the failure shall result from an act of God, governmental order, rule or regulation, bank holiday or failure of any financial institution in which lessee has funds on deposit, inability to obtain materials, supplies, equipment, power or labor, whatever the cause, enemy activity or sabotage, or during any period when the price of ore mined from the leasehold shall be less than the cost of production.

11. Assignment. Leasee shall have the right to sublet any portion of the leasehold and the right to assign this lease and option provided the assignee assumes the obligations of leasee hereunder and upon such assignment and assumption the present lessee shall be relieved of all liability hereunder, with the assignee being solely liable for the obligations of lessee.

a^h L. T. M. 12. Termination ~~of~~ by Lessee. Lessee may terminate and surrender this lease and optionat any time, whereupon all liability of lessee to lessor shall terminate, except for accrued and unpaid royalties.

13. Termination by Lessor. If Lessee shall become in default hereunder, without being excused under the provisions of paragraph 10. ~~Hereunder~~ and shall fail to commence action to cure the default within 30 days after receiving written notice from lessor, this lease and option may be terminated by lessor. Upon the termination under this paragraph 13. all rights and obligations of lessee hereunder shall terminate, except for accrued and unpaid royalties.

14. Additional mining claims. Lessee shall have the right to acquire additional mining claims or properties adjacent to or near the leasehold without any royalty or rental obligation to lessor. Should lessee acquire additional mining claims or property he may consolidate the mining operations on the additional claims or properties with the leasehold and, to the extent deemed desirabl by the lessee, lessee may drive tunnels, make openings or extend open pits from the leasehold to the adjoining claims or properties or otherwise conduct operations in the same manner and to the same extent as if the leasehold and the adjoining claims or properties constituted a single unit, provided only that lessee shall maintain adequate records disclosing the amount of ore mined and sold from the leasehold in order that the earned royalties payable to lessor under paragraph 5. may be calculated with reasonable accuracy.

15. Removal of property. Any time during the life of this lease and option and within 90 days after its termination, whether under paragraph 12. or 13. or by expiration of the term, lessee shall have the right to remove all or any of the property placed upon the leasehold by the lessee, including, without limiting the general Fixtures, equipment, buildings, structures, pipelines, stockpiles and other severable items regardless of how, when or where placed, affixed, attached or imbedded, but excluding and excepting mine support shafts, head frames and timbers.

16. Option. Lessee shall have the option, by notice in writing mailed or otherwise given to lessor, at any time during the life of this lease and option to purchase the leasehold at a price of One Hundred Thousand Dollars against which price all royalties paid by lessee under paragraph 5. shall be credited and applied. If lessee should exercise this option, lessor will execute and deliver to lessee, or lessee's nominee, a grant, deed or other document conveying the leasehold free and clear of any liens, obligations or titl clouds.

Std L&O
Form 54

At any ti dur] the life of this l se a option, upon demand of lessee, lessor will execute and deposit in an escrow selected by lessee a grant deed or other document conveying the leasehold to lessee, or lessee's nominee, with appropriate instructions to deliver such grant, deed or document to lessee upon the exercise by lessee of this option. The expenses of the escrow will be paid by the lessee.

I7. Number. As used in this lease and option the words "lessor" and "lessee" include a corporation, an individual or two or more of either or both in order to reflect accurately the identity of the party or parties.

I8. Heirs and assigns. This lease and option shall be binding upon and inure tothe benefit of the heirs, executors, administrators and assigns of lessor and lessee.

I9. Special provisions. AFTER IP4 GOES INTO EFFECT A REASONABLE SUM OF MONEY AS AN ADVANCE AGAINST ROYALTY TO BE PAID TO LESSOR.

EXECUTED as of the 24 day of SEPTEMBER 1956.

"LESSEE" "LESSOR"

note: If lessor or lessee is a corporation, seal must be affixed and secretary should attest it.

Witness: Sue R. Morrissey
Frank L. Beach

STATE OF CONNECTICUT)
COUNTY OF Litchfield) ss.: Gaylordsville Sept. 29, 195 6

Personally appeared Loretto T. Morrissey and Arthur P. Levine,

signers and sealers of the foregoing instrument and acknowledged the same to be their free act and

deed before me.

Frank B. Beach,
Notary Public

STATE OF CONNECTICUT)
COUNTY OF) ss.: _____, 195

My Commission Expires April 1, 1961

Personally appeared _____,

signer and sealer of the foregoing instrument and acknowledged the same to be _____ free act and

deed before me.

_____
Notary Public

STATE OF CONNECTICUT)
COUNTY OF) ss.: _____, 195

Personally appeared _____,

signer and sealer of the foregoing instrument and acknowledged the same to be _____ free act and

deed before me.

_____
Notary Public

STATE OF CONNECTICUT)
COUNTY OF) ss.: _____, 195

Personally appeared _____,

signer and sealer of the foregoing instrument and acknowledged the same to be _____ free act and

deed before me.

_____
Notary Public

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 4, POST OFFICE BLDG.
KNOXVILLE 2, TENNESSEE

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 13 1957

DATE	INITIALS	CODE

February 11, 1957

Memorandum

To: Operating Committee, DMEA - ~~Washington~~

From: DMEA Field Team, Region V - Knoxville, Tenn.

Subject: Application : Arthur P. Levine and Chas. Citelli, a partnership. Rockville Center, Long Island, N.Y. (Nickel, Cobalt, Platinum, Iridium and copper)

Transmitted is an application for exploration aid submitted by the above partnership. This application was forwarded to this office by H. L. Burmeister, and attachments are as follows:

1 - copy of Burmeister's letter to applicant
3 copies of form MF-103
6 copies of MF-203, Consent to Lien
1 copy of lease
1 copy of assignment - Charles Citelli

Reports by J. S. Miller, F. A. Genth and Thomas Petherick
1 Geologic map marked PlattII
1 Geological map New Preston, Conn. quadrangle

V. J. Lynch, Acting
Executive Officer, Region V

Helmuth Wedow, Jr.
Geologist, Geological Survey

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 13 1957

DATE	INITIALS	CODE

February 5, 1957

Mr. Arthur P. Levine
1244 - 50th Street
Brooklyn 19, New York

Dear Mr. Levine:

Your application for DMEA assistance in exploring for nickel, cobalt and platinum at the Old Pool mine in Connecticut has been transmitted to the Executive Officer.

To complete the application, the following additional data is required: (1) A property map showing the boundaries with reasonable accuracy, (2) A map or sketch showing the location of old workings and indicating the location and nature of proposed exploration, (3) At least two bids from core drilling contractors.

The costs submitted need to be reconsidered in a number of respects. Supervis ion by two men is not necessary; air hammers are not required for a core drilling program and neither is the purchase of a Jeep or a magnetometer. If such equipment were necessary, the Government prefers rental. In general, it is required that costs must be detailed rather than generalized.

If you wish to more nearly complete your application, please send the indicated data to this office.

Very truly yours,

H. L. Burmeister
Mine Exam. & Explor. Engr.
Eastern Experiment Station

HLBurmeister/fld

cc: VJLynch - Knoxville
RALaurence - Knoxville
H StClair
1. PMAmbrose 2. Sta.files
DMEA (2)

RECEIVED
FEB 11 1957
U. S. BUREAU OF MINES
DEF. MIN. ADM.
Knoxville, Tennessee

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED FEB 13 1957 D.M.E.A.

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. 4634
Metal or Mineral Nickel-Cobalt, Platinum
Date Received 2-13-57
Estimated Cost $40,000.00
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: The applicant is a partnership

Arthur P. Levine 1244 50 Street Brooklyn 19, N.Y.
Charles Citelli 68 State Street Rockville Center Long Island N.Y.

(*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. We hold a three year lease on this property effective July 19 1956; grantor is Miss Loretto T. Morrissey of Gaylordsville, Conn., to Arthur P. Levine whom in turn assigned one half interest to Charles Citelli on Nov. 1, 1956. Necessary papers and documents enclosed.

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

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

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

(*e*) If you own the land, describe any liens or encumbrances on it No encumbrances.

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

Recorded in Litchfield land records Dec. 26, 1939 Vol. 99 Pg. 578 Sec. 80, 81.

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 Nickel Cobalt Platinum Iridium Copper

(*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 14 days and be completed within five 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 cost?

[X] 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 3 December, 1956

Arthur P. Lewis
(Applicant)

By Charles Cullen

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

United States Department Of The Interior

DMEA

Attatchment for form MF-103

Paragraph 6---Estimates of costs

Work Plan

Work plan is to consist of the pumping out of the two shafts, mainlly the Old Pool and the Buck deposits. A core drilling program consisting six crosscuts of forty yards each at approximately 800 feet intervals over a distance of a mile: four holes for each cut to a depth of a hundred feet with core samples at ten foot intervals. A magnetometer survey of the entire area on Mt. Prospect. The drilling program will lie mainly between the Buck deposit and the Old Pool shafts striking in a northeast direction.

Costs

The 24 holes at a hundred feet at 6 doolars a foot total 2400 feet ---------- $14,400.00

Supervisory and labor; Messrs. Levine and Citelli in a supervisory capacity and labor at $125 per week for 5 months total $ 5,000.00

Two laborers at $2.00 per hour for 40 hour week for five mon

$ 3200.00

Consulting geologists reports at $250 a report for two separat firms a total of four reports $ 1,000.00

Materiel and equipment: Rental of a compressor $ 750.00

Rental of a bulldozer $ 750.00

Purchase of air hammers $ 600.00

Purchase of magnetometor $ 1,400.00
Purchase of sump pump $ 500...00
Purchase of jeep $1500.00
To construct a watchman quarters and tool shed $1700.00
Tools, drill bits, timber, explosives gasoline $1200.00

Incidentals and contingencies ---------- $8000.00

Total--------$40,000.00

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DMEA
RECEIVED FEB 13 1957

DATE	INITIALS	CODE

EXPLORATION
ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

WASHINGTON 25, D. C.

OFFICIAL BUSINESS

FIRST CLASS MAIL

Mr. George C. Reifridge, Chairman
Operating Committee - DMEA
Department of the Interior
Washington 25, D. C.

ASSIGNMENT

KNOW ALL MEN BY THESE PRESENTS, That ARTHUR P. LEVINE, of 1244 Fifth Street, Brooklyn, New York, hereinafter referred to as "Levine", for and in consideration of the sum of One Dollar ($1.00) and other good and valuable consideration in hand paid by CHARLES CITELLI, of 68 State Street, Rockville Center, L.I., N.Y., hereinafter referred to as "Citelli", the receipt and sufficiency of which is hereby acknowledged, and the other agreements and promises herein contained, does hereby grant, bargain, sell, convey, transfer, set over and assign to said Citelli, an undivided one-half of all of Levine's right, title and interest in and to that certain Agreement of Lease and Option dated September 29, 1956, entered into by and between Miss Loretto T. Morissey, of Gaylordsville, Connecticut, and Levine covering the leased premises therein described with particularity consisting of 481 acres, more or less, situated in the County of Litchfield, State of Connecticut.

TO HAVE AND TO HOLD the interest herein transferred and assigned unto said Citelli, his heirs and assigns, forever.

1. WARRANTIES -

Levine does not warrant title to the above described agreement of lease nor the lands covered thereby save as to persons claiming by, through or under Levine.

2. Citelli by his acceptance of this assignment hereby assumes his proportionate share, being one-half, of all the burdens and obligations under the said above described Agreement of Lease and Option.

WITNESS the execution hereof this 1st day of November, 1956.

Arthur P. Levine (L.S.)
Arthur P. Levine

Witnesses:

John S. Grimmer
John S. Grimmer

Charles Citelli (L.S.)
Charles Citelli

STATE OF NEW YORK }
COUNTY OF NEW YORK } SS

November 1, 1956

Personally appeared ARTHUR P. LEVINE, and CHARLES CITELLI, signers and sealers of the foregoing instrument, and acknowledged the same, respectively, to be their free act and deed.

William F. Richards Jr.
Notary Public

WILLIAM F. RICHARDS, JR.
Notary Public, State of New York
No. 60-8564700
Qualified in Westchester County
Commission Expires March 30, 1958

std.LAO form 54 "LEASE AND OPTION (I)

Parties

MISS LORETTO T. MORRISSEY

OF TOWN OF GAYLORSVILLE

of the County of LITCHFIELD State of CONNECTICUT, referred to as "Lessor"

and

ARTHUR P. LEVINE

1244-50 STREET BORO OF BROOKLYN

of the County of KINGS, State of NEW YORK referred to as "Lessee".

Consideration

The condideration for the execution of this lease and option by Lessor is the sum of $10.00 in cash, which shall apply against the minimum royalty, receipt of which is acknowledged by Lessor, and the mutual promises of the parties.

Leasehold

Lessor leases to Lessee and Lessee leases from Lessor for a term of THREE years, commencing on the 19 day of JULY, 1956, the mining claims or property, including structures and fixtures, situated in the County of LITCHFIELD, State of CONNECTICUT, Described as:

(A) NICKEL MINING & MINING CO. PROPERTY — 60 ACRES
(B) LAND BOUNDED N. BY SEE E. BY CORNWALL BRIDGE IRON CO., S. BY SEE AND GRANNIS, W. BY WHEELER & BENSON — 30 ACRES
(C) GRANNIS PROPERTY — 11 ACRES
(D) E. BY HIGHWAY S. BY WHEELER & BEMENT, N. BY GRANNIS — 30 ACRES
(E) DEED OF CHAS. DAY TO NICKEL MINING CO. — 90 ACRES
(F) CONNECTICUT MINING CO. — JOHNSON MINES
(H) ALSO THOSE LISTINGS BY TRUMAN SATLIN - TAX COLLECTOR (RECORDED DEC. 26, 1939 AT 9:10 O'CLOCK - FORE NOON) LITCHFIELD LAND RECORDS VOL. 74 PG. 528, 9, 80, 81) — 200 ACRES

Terms

1. Warranty. Lessor warrants that Lessor has the legal right to grant to Lessee the Leasehold, the option and the rights covered and conveyed by this Lease and Option, and that during the term hereof Lessee will have the full and unrestrained use and possession of the Leasehold, including all mining rights.

2. Preliminary examination. For a period of 8 Months from the date hereof, Lessee shall have the full and unrestrained right, without rent or royalty, to enter upon and explore any part or all of the leasehold and to undertake trial operations and preliminary mining operations, including the right to mine, extract and remove any amount of Ore or ores determined necessary or desirable by Lessee for testing, sampling and assaying purposes or for any other purposes reasonably related to Lessee's efforts to determine the value of the leasehold for commercial mining operations.

3. Development program. After completion of the preliminary examination to be conducted under paragraph 2, provided Lessee shall not have terminated this lease and option, Lessee, with reasonable diligence, will commence a development program in preparation for commercial mining operations on all or a part of the leasehold, in such manner and to such extent as lessee in lessee's sole judgment may deem to be desirable, which may consist of diamond drilling, trenching, crosscutting, construction

APR R.T.M.

Std.140
form54

of roads,da. ,buildings and other struc .res,the drilling of water wells and the installation of pipe lines,machinery and equipment. Lessor will cooperate with Lessee at all times during the term of this lease and option to enable lessee to obtain contracts with the United States or Agencies thereof or any State or agency thereof, pursuant to programs or procedures,now existing or established in the future,of the United States Government or Agencies thereof or of any State or Agency thereof,to explore and developemineral deposits on the leasehold;and Lessor when requested by Lessee from time to timeshall,as owner of the mining claims and property subject to this lease and option,execute all contracts relating to such exploration and development work which may be required by the United States or Agencies thereof or by any State or Agency thereof or may be required to comply with any such Governmental program or procedure.Lessor hereby authorizes Lessee. and anyone delegated by Lessee,to execute such contracts in the name of Lessor and on Lessors behalf, and such authority, being an interest in the leasehold,shall be irrevocable during the term of this lease and option.

4.Mining operations. Upon completion of the development program contemplated by paragraph 3. provided Lessee in Lessee's sole judgment shall determine that all or part of the leasehold can be commercially mined at a reasonable profit, Lessee will commence mining operations on the leasehold and thereafter will continue such mining operations in a good and minerlike manner consistent with economical mining and with general economic conditions and in compliance with applicable laws and applicable rules,regulations and orders of governmental Agencies. Lessee shall have the right to mine,remove,process and sell any and all metals,ores gas,hydrocarbon substances,water and other minerals and inorganic substances located in,on or under the surface of the leasehold,and in connection therewith Lessee shall have the right to erect and thereafter to remove any buildings,strucures and facilities and the right to make excavations,pits,tunnels and other openings and otherwise may use the leasehold and may conduct operations thereon in such manner as he may deem necessary or convenient.

5.Royalty. Upon completion of the preliminary examination under paragraph 2.and during the development program under paragraph 3. Lessee will pay to Lessor a minimum royalty of $50.00 per Month. After commencement of mining operations under paragraph 4.Lessee will pay to Lessor an earned royalty at the rate of----------

ARL R.T.M. ~~5% Net Smelter Return to the and price of $160,000.00 (One~~ (FIVE PERCENT) ~~Hundred and Sixty Thousand Dollars)~~

ARL R.T.M. for all ore mined from the leasehold and sold ~~and mined~~ and paid for,with a minimum royalty of $50.00 Per month.(The terms"net smelter returns"and "net market returns" if used in the foregoing royalty provisions shall mean the net amount received by lessee from the sale of ores or concentrates mined from the leasehold less the sum of the cost of transportation from mine to smelter, buying depot or other market place,and taxes applicable to such delivery and sale))

The royalty for each month will be paid to Lessor by Lessee on or before the 20th Day of the following month and any excess of the earned royalty over the minumum royalty shall cumulate and be credited to minimum royalties ~~and~~ AS they become payable,and any excess of minimum royalties over the earned royalty shall cumulate and be~~come~~ credited to earned royalties ~~and~~ AS THEY become payable. ARL R.T.M.

6.Utilities. During the life of this lease and option Lessee shall have the right to authorize any public or private utility company to erect and maintain electricity connections,gas lines, or water lines upon the leasehold and if necessary or appropriate Lessor will grant,and by executing this lease and option does grant,to the utility company or companies the required easements and rights of way.

7.Taxes and assessment work. during the life of this lease and option lessee will pay all taxes and assessments levied on the leasehold and will do or cause to be done all required assessment work.Lessee shall have the right at any time to patent any or all of the mining claims covered by this lease and option.

8. Impairme of Lessee's rights. Duri the life of this lease and option Lessor will not do or cause to be done any act or thing that might prejudice, impair or burden Lessee's rights hereunder and will not convey or suffer any encumberance to be placed on all or any part of the leasehold.

9. Inspection. Lessor shall have the right during ordinary working hours and at reasonable intervals to make reasonable inspection of Lessee's operations on the leasehold and of Lessee's records relating to the ore mined from the leasehold, including the sale of ore and receipts of payment.

10. Delays. Lessee shall be excused from fulfilling any obligation imposed upon Lessee under this lease and option and such obligation shall be suspended when the failure shall result from an act of God, governmental order, rule or regulation, bank holiday or failure of any financial institution in which lessee has funds on deposit, inability to obtain materials, supplies, equipment, power or labor, whatever the cause, enemy activity or sabotage, or during any period when the price of ore mined from the leasehold shall be less than the cost of production.

11. Assignment. Leasee shall have the right to sublet any portion of the leasehold and the right to assign this lease and option provided the assignee assumes the obligations of leasee hereunder and upon such assignment and assumption the present lessee shall be relieved of all liability hereunder, with the assignee being solely liable for the obligations of lessee.

ARL L.T.M. 12. Termination ~~of~~ by Lessee. Lessee may terminate and surrender this lease and optionat any time, whereupon all liability of lessee to lessor shall terminate, except for accrued and unpaid royalties.

13. Termination by Lessor. If Lessee shall become in default hereunder, without being excused under the provisions of paragraph 10. ~~hereunder~~ and shall fail to commence action to cure the default within 30 days after receiving written notice from lessor, this lease and option may be terminated by lessor. Upon the termination under this paragraph 13. all rights and obligations of lessee hereunder shall terminate, except for accrued and unpaid royalties.

ARL L.T.M.

14. Additional mining claims. Lessee shall have the right to acquire additional mining claims or properties adjacent to or near the leasehold without any royalty or rental obligation to lessor. Should lessee acquire additional mining claims or property he may consolidate the mining operations on the additional claims or properties with the leasehold and, to the extent deemed desirable by the lessee, lessee may drive tunnels, make openings or extend open pits from the leasehold to the adjoining claims or properties or otherwise conduct operations in the same manner and to the same extent as if the leasehold and the adjoining claims or properties constituted a single unit, provided only that lessee shall maintain adequate records disclosing the amount of ore mined and sold from the leasehold in order that the earned royalties payable to lessor under paragraph 5. may be calculated with reasonable accuracy.

15. Removal of property. Any time during the life of this lease and option and within 90 days after its termination, whether under paragraph 12. or 13. or by expiration of the term, lessee shall have the right to remove all or any of the property placed upon the leasehold by the lessee, including, without limiting the general, Fixtures, equipment, buildings, structures, pipelines, stockpiles and other severable items regardless of how, when or where placed, affixed, attached or imbedded, but excluding and excepting mine support shafts, head frames and timbers.

16. Option. Lessee shall have the option, by notice in writing mailed or otherwise given to lessor, at any time during the life of this lease and option to purchase the leasehold at a price of One Hundred Thousand Dollars against which price all royalties paid by lessee under paragraph 5. shall be credited and applied. If lessee should exercise this option, lessor will execute and deliver to lessee, or lessee's nominee, a grant, deed or other document conveying the leasehold free and clear of any liens, obligations or title clouds.

ARL L.T.M.

At any ti: during the life of this l se and option, upon demand of lessee, lessor will execute and deposit in an escrow selected by lessee a grant deed or other document conveying the leasehold to lessee, or lessee's nominee, with appropriate instructions to deliver such grant, deed or document to lessee upon the exercise by lessee of this option. The expenses of the escrow will be paid by the lessee.

I7. Number. As used in this lease and option the words "lessor" and "lessee" include a corporation, an individual or two or more of either or both in order to reflect accurately the identity of the party or parties.

I8. Heirs and assigns. This lease and option shall be binding upon and inure totthe benefit of the heirs, executors, administrators and assigns of lessor and lessee.

I9. Special provisions. AFTER P4 GOES INTO EFFECT A REASONABLE SUM OF MONEY AS AN ADVANCE AGAINST ROYALTY TO BE PAID TO LESSOR.

EXECUTED as of the 29 day of SEPTEMBER I956.

Arthur Jennings
"LESSEE"

L. Loretta Morrissey
"LESSOR"

note: If lessor or lessee is a corporation, seal must be affixed and secretary should attest it.

Witness: Sue R. Morrissey
Frank L. Beach

STATE OF CONNECTICUT)
COUNTY OF Litchfield) ss.: Gaylordsville Sept. 29, 195 6

Personally appeared Loretto T. Morrissey and Arthur P. Levine,

signers and sealers of the foregoing instrument and acknowledged the same to be their free act and deed before me.

Frank C. Beach,
Notary Public

STATE OF CONNECTICUT)
COUNTY OF) ss.: _____, 195

Personally appeared _____,

My Commission Expires April 1, 1961

signer and sealer of the foregoing instrument and acknowledged the same to be _____ free act and deed before me.

_____
Notary Public

STATE OF CONNECTICUT)
COUNTY OF) ss.: _____, 195

Personally appeared _____,

signer and sealer of the foregoing instrument and acknowledged the same to be _____ free act and deed before me.

_____
Notary Public

STATE OF CONNECTICUT)
COUNTY OF) ss.: _____, 195

Personally appeared _____,

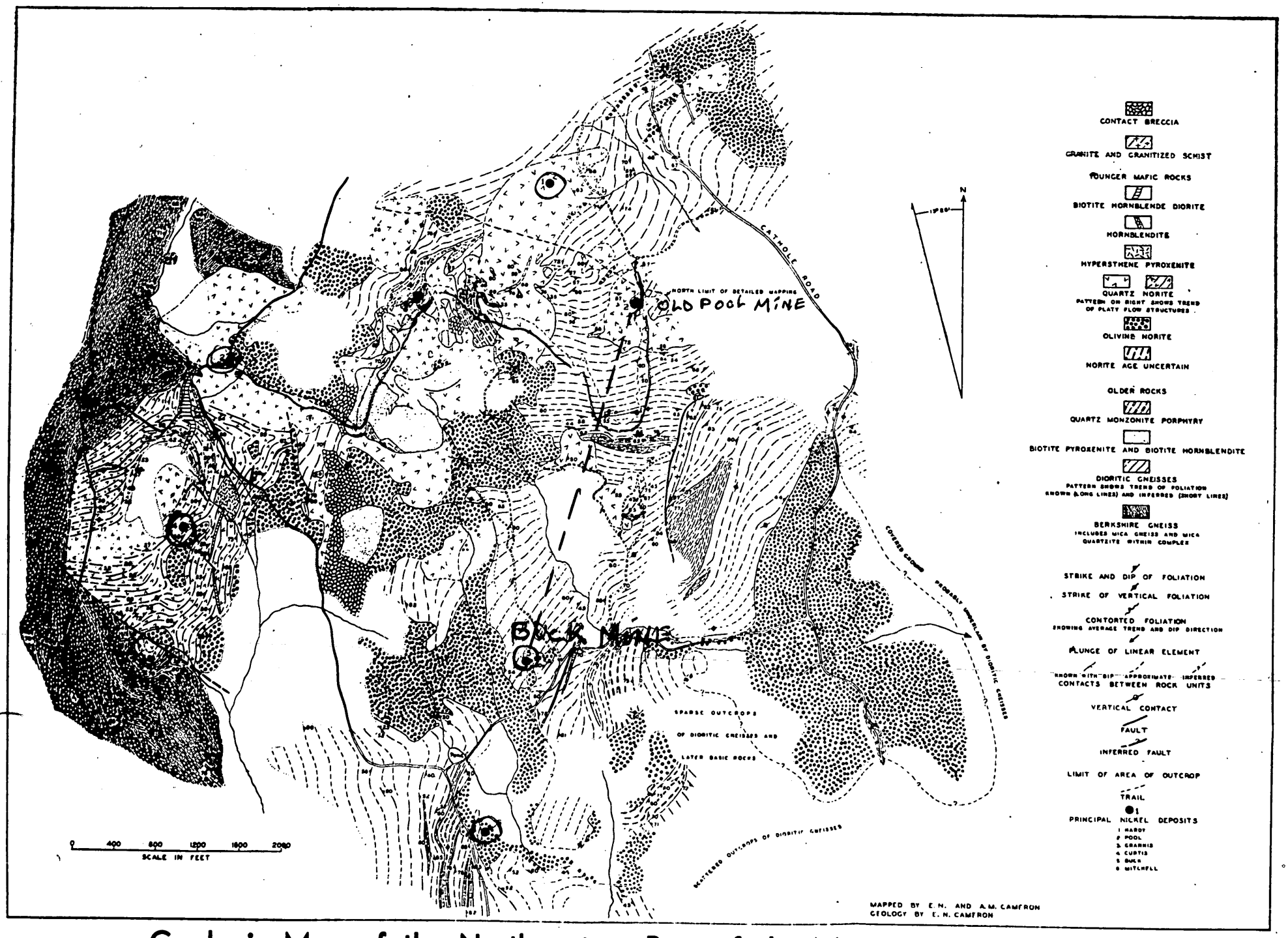
signer and sealer of the foregoing instrument and acknowledged the same to be _____ free act and deed before me.

_____
Notary Public

PLATE II

Geologic Map of the Northwestern Part of the Mt. Prospect Complex

PLATE II



Geologic Map of the Northwestern Part of the Mt. Prospect Complex

Operating Commit.

DATE		CODE

March 28, 1958

Mr. Arthur P. Levine, President
Nutmeg Mining Corporation
Gorden Building
Lakeville, Connecticut

Re: MMA-1634 (Cobalt, nickel)
Nutmeg Mining Corporation
Old Pool Mine
Litchfield County, Connecticut

Dear Mr. Levine:

I understand that you have new information on the cited nickel deposit and that you wish to reopen the application.

It will be necessary to file a new application, using form MF-103, as the old docket (No. 1634) has been closed. However, it will not be necessary to resubmit any of the supporting data which accompanied the original application. Any new information, maps or other supporting data obtained since the earlier examination should be submitted (in quadruplicate) to support your new application.

Five copies of form MF-103 are enclosed for your use.

Very truly yours,

Robert A. Laurence
Executive Officer
DMA Field Team, Region V

RAL/mg
Enclosures 5
cc - Operating Committee (2)
Mr. V. J. Lynch
Mr. H. L. Burmeister
File

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8-13	Chapman	400
8-13	Martin	400
8/16	Bastoff	130
8/16	Williams	130
8/16	Selfridge	130
"	Johnson	110
"	Mittendorf	109
8/19	G	220
		225

AUG 19 1957

Nutmeg Mining Corporation
Borden Building
Village of Lakeville
Salisbury, Connecticut

Re: Docket No. DMEA-4634 - Nickel-Cobalt
Old Pool Mine
Litchfield County, Connecticut

Gentlemen:

Your application for exploration assistance and other data available to us in Washington concerning the referenced property have been reviewed.

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

Careful study of all our information, although noting the occurrence of nickel and cobalt mineralization on the property, indicates to us that the probability of disclosing significant ore reserves is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances your application is denied. Such denial, however, is made without prejudice. In the event further work on your part discloses new and favorable evidence of ore deposition on the property, we shall be pleased to consider a new application, appropriately supported by geophysical or geological mapping, with related sampling and assaying.

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

Sincerely yours,

C. O. Mittendorf

Administrator

TLChapman/dlm 8-13-57
cc to: Code 400
Admr. R. File
Oper. Comm.
FT. REG. V
Messrs. H. W. Davis, USBM
T.H. Kiilsgaard, USGS

8623

DMEA Form 7
(12-56)

August 13, 1957

August 13, 1957

OFFICIAL FILE COPY

Date	Surname	Code
8-14	Chapman	400
8-14	Martin	400

MEMORANDUM

To: Administrator, DMEA

From: Division of Iron and Ferro-Alloys, DMEA

Subject: Denial of the subject application for exploration assistance in the amount of $40,000.00
Docket No. DMEA 4634, Nickel-Cobalt
Nutmeg Mining Company, Assignee (Levine and Citelli)
Old Pool Mine
Litchfield County, Connecticut.

Denial without prejudice of the subject application is recommended by this Division on the following information:

The Applicant, Levine and Citelli, assigned to Nutmeg Mining Company, proposes unwatering two old shafts, diamond drilling at unspecified points and geophysical work at an estimated cost of $40,000.00. The property was examined in May 1957, by H. L. Burmeister, Bureau of Mines, and W. P. Williams, Geological Survey, accompanied by Arthur P. Levine and Charles Citelli.

Applicant: Arthur P. Levine, 1244 50th Street, Brooklyn 19, New York
Charles Citelli, 68 State Street, Rockville Center, Long Island, New York, a partnership.
On May 24, 1957, the operation was assigned to the Nutmeg Mining Company, Borden Building, Village of Lakeville, Salisbury, Connecticut.

Property Ownership: The property noted in the application consists of 481 acres of land in Litchfield County, Connecticut and owned by Miss Loretto T. Morrissey. A lease dated September 29, 1956, was given to Arthur P. Levine. By an assignment, dated November 1, 1956, a half interest in the above lease was obtained by Charles Citelli.

The property is in the Mt. Prospect District.

Geology: The property is located on Mt. Prospect and the oldest rocks in the vicinity are gneisses and schists of the Berkshire and Hartland formations. The above rocks have been invaded by gneissic diorites, and associated biotite pyroxenite,

biotite hornblends and granodiorite prophyry. The same rocks have also been intruded by basic quartz and olivine norites, hypersthene pyroxenite, and dike rocks.

The nickel deposits are associated with the younger basic series. The ore is chiefly olivine norite containing disseminated pyrite, chalcopyrite, pyrrhotite, pentlandite and possibly covellite. No data are available as to the ore deposits as all the old workings are flooded.

Past History and Production:

This area was first worked for nickel-copper deposits in 1835 and has been worked intermittently since that date. Six deposits containing nickel-copper are listed as follows:

Hardy Deposit	Pool Deposit
Grannis Deposit	Curtis Deposit
Buck Deposit	Mitchell Deposit.

No data are available as to the productions from the various properties.

The Applicant advised that a sample from the Hardy dump assayed 0.90 nickel and 0.90 copper. Analyses of samples reported in "Connecticut Minor Metals and Her Minerals" (1944), showed 1.65 to 2.86 percent nickel and 0.97 to 1.31 percent copper .

Proposed Work:

The proposed work of the Applicant consists of unwatering shafts and 24 core drill holes averaging 100 feet each or a total of 2,400 feet.

After the Field Team examination, the Applicant had a dip needle survey made and furnished a map showing relatively indefinite results of survey, and sites of proposed drill holes.

Comments and Conclusions:

The Field Team examination report recommended denial, but with the idea that it might be held up for the dip needle survey. After the dip needle survey, the Geophysical Division of the Geological Survey advised that it was of little value, but that a magnetometer survey might give good results. This was suggested to the Field Team, which did not feel that the Government would be justified in assisting in this type of work, but advised that the application be denied without prejudice.

Memoranda of the Commodity Divisions of the Geological Survey and the Bureau of Mines concurred in the conclusions and recommendations of the Field Team.

W S Martin

W. S. Martin, Director
Division of Iron and Ferro-Alloys

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

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DMEA
RECEIVED AUG 9 1957

DATE	INITIALS	CODE
8/9	G.K.	220
8/12	WSay	400

August 7, 1957

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-4634, (nickel, cobalt) Nutmeg Mining Corp.
Old Pool Mine, Litchfield County, Conn.

Reference is made to your letter of August 2.

It is our opinion, after review of the application file and discussion with Mr. Burmeister, that the available evidence is not sufficiently encouraging to justify Government participation in geophysical surveys of this property. In the absence of further geologic information, there seems to be no reason to contradict E. N. Cameron's conclusion, after field study, that the deposits are small and uneconomically important concentrations of sulfides (cited in N. E. Nelson's review of Feb. 18, 1957).

We recommend denial without prejudice. If the Applicants are sufficiently convinced of the value of the deposit to have the geophysical work done by competent professional personnel, we would of course be glad to review the results, but it does not look to us like a good bet for the sizeable expense involved.

Robert A. Laurence

Robert A. Laurence
Executive Officer, DMEA
Region V

V. J. Lynch

V. J. Lynch, Member
Bureau of Mines

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
	Chapman	400
7/31	Martin	400
8/2	Martin	130
"	Johnson	110
"	Butterworth	109
8/2	C	225
		400

AUG - 2 1957

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

Re: Docket No. DMEA-663, Nickel-Cobalt
Natsag Mining Corporation (formerly
Levine and Citelli)
Old Peal Mine
Litchfield County, Connecticut

Dear Mr. Laurence:

Reference is made to your memorandum of July 23, 1957, reaffirming your recommendation for denial of the subject application, and enclosing a supplemental report by W. P. Williams giving us the comments of the Geophysics Branch of the Geological Survey.

The above-noted report concludes that the dip-needle survey made by the Applicant has little value, but that there is a strong possibility that an anomaly could be found by electro-magnetic methods. It also advises that self-potential and electro-magnetic surveys, especially the latter, would be expensive to complete.

We doubt that the Applicant without Government aid would be in a position to proceed with the suggested types of geophysical work. DMEA Order-1 Amended authorizes the use of sound geological, geophysical and geochemical procedures. We do not believe that the Field Team report or supplemental report would justify an unqualified denial of the proposed project. Would you consider asking the Applicant whether it would be interested in a modified program including an initial stage of approved geophysical methods of prospecting to be followed by further work if the geophysical work found promising anomalies?

Copies of memoranda dated July 24 and 29, 1957, by H. H. Davis, Bureau of Mines, and T. H. Kiilsgaard, Geological Survey, respectively, relating to the project are enclosed.

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee

APPROVED:

P. F. Yopes
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

Enclosures

cc to: Oper. Comm.
FT REG-V
HMDavis, USBM
THKiilsgaard, USGS

cc to: Messrs.

rfChapman/esf - 7/31/57
cc to: Docket
Code 400
Admr. R. File

8623

Would you consider asking the applicant whether it would be interested in a modified program including an initial stage of approved geophysical methods of prospecting to be followed by further work if the geophysical work found promising anomalies?

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
	Chapman	400
	Martin	400
		130
		110
		100
		225

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

Re: Docket No. DMEA-4634, Nickel-Cobalt
Ertmag Mining Corporation (formerly
Levine and Citelli)
Old Pool Mine
Litchfield County, Connecticut

Dear Mr. Laurence:

Reference is made to your memorandum of July 23, 1957, reaffirming your recommendation for denial of the subject application, and enclosing a supplemental report by W. P. Williams giving us the comments of the Geophysics Branch of the Geological Survey.

The above-noted report concludes that the dip-needle survey made by the Applicant has little value, but that there is a strong possibility that an anomaly could be found by electro-magnetic methods. It also advises that self-potential and electro-magnetic surveys, especially the latter, would be expensive to complete.

We doubt that the Applicant, without Government aid would be in a position to proceed with the suggested types of geophysical work. DMEA Order-1 Amended authorizes the use of sound geological, geophysical and geochemical procedures. We do not believe that the Field Team report or supplemental report would justify an unqualified denial of the proposed project. ~~We would appreciate your reaction to a proposal of Government assistance in making a geophysical survey to be supplemented by other types of work if it is successful in finding a significant anomaly.~~ *

Copies of memoranda dated July 22 and 29, 1957, by H. W. Davis, Bureau of Mines, and T. H. Kiilsgaard, Geological Survey, respectively, relating to the project are enclosed.

Sincerely yours,

Chairman, Operating Committee

APPROVED:

Member, Bureau of Mines

Member, Geological Survey

Enclosures

cc to: Oper. Comm.
FT REG-V
HWDavis, USBM
THKiilsgaard, USGS

cc to: Messrs.

TLChapman/esf - 7/31/57
cc to: Docket
Code 400
Admr. Read. File

8623

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

IN REPLY REFER TO:

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 29 1957

DATE	INITIALS	CODE
7-29	C	220
7/29	WSM	400

July 29, 1957

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: T. H. Kiilsgaard, U. S. Geological Survey

Subject: Review of Supplement to Field Examination Report, DMEA 4634, Nutmeg Mining Corporation, Old Pool mine, Litchfield County, Connecticut (Nickel-Colbalt).

The examining team have supplemented their original field examination report as a result of some dip needle work that was done by the applicant after the date of the field examination. The dip needle data were examined by members of the Geophysics Branch, U. S. Geological Survey.

The field examiners believe that the dip needle results are not conclusive enough to serve as justification for a DMEA contract. They point out that the magnetic anomaly is weak, and that the anomaly does not fit the geologic pattern of the area. Furthermore, magnetic field measurements should be accompanied by magnetic susceptibility tests of the minerals involved. Then the dip needle data could be interpreted much better.

I do not believe the applicant's dip needle work changes the situation enough to warrant reversal of the examining team's earlier recommendation for denial of the application. Under those conditions, a denial of the application should be made without prejudice.

T. H. Kiilsgaard

T. H. Kiilsgaard

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

July 24, 1957

Re: DMEA 4634 (nickel, cobalt)
Arthur P. Levine, et al
Old Pool Mine, Litchfield
County, Conn., $40,000

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division, Defense Minerals Exploration Administration

From: H. W. Davis, Branch of Ferrous Metals and Ferroalloys

Subject: Review of Application

I concur with the recommendation of the U. S. Geological Survey member of the Field Team that the application in its present form be denied. I also concur with his recommendation that, if it can be done with the framework of DMEA participation, a small sum be advanced to do geophysical work by qualified operators.

H. W. Davis
H. W. Davis

Attachment

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DMEA
RECEIVED JUL 24 1957

DATE	INITIALS	CODE
7/25	C	220
7/25	WSM	400

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

WASHINGTON 25, D. C.

OFFICIAL MAIL

7/25 C 220
7/25 WSM 400

July 23, 1957

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville, Tenn.
Subject: DMEA-4634 (nickel, cobalt) Nutmeg Mining Corp.
Old Pool Mine, Litchfield County, Connecticut

Reference is made to your letter of July 11, requesting comments on the Applicant's dip-needle survey report.

Recently we sent you three copies of a supplement to the field examination report, containing comments of W. P. Williams and the Geophysics Branch of the Geological Survey. We are in agreement with their opinion and have no additional comments to offer. The recommendation for denial is reaffirmed.

Robert A. Laurence
Robert A. Laurence
Executive Officer, DMEA
Region V

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

IN REPLY REFER TO:

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

Memorandum

July 11, 1957

To: R. A. Laurence, Executive Officer, DMEA Region V, Knoxville, Tenn.

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

Subject: Supplement to field examination report, DMEA 4634, Nutmeg Mining Corp., Old Pool mine, Litchfield County, Connecticut (nickel-cobalt).

I am sending to you, herewith, the original and five copies of a supplement to the field examination report for DMEA 4634. The supplement contains comments and recommendations about a dip-needle survey that has recently been completed by the applicant on his property.

I tried to point out in the supplement that it would be desirable to encourage the applicant to do more geophysical work on the property for his own account. I am not sure just how that could be done within the framework of DMEA policy.

Regards.

Bill

W. P. Williams

Enclosures

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DMEA, 7
RECEIVED JUL ~~20~~ 1957

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7/17	C	220
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7/18	C	220
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RECEIVED
JUL 15 1957

Reviewed by
DMEA OPERATING COMMITTEE
7-19-57
(DEC)

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RECEIVED JUL 17 1957

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SUPPLEMENT TO FIELD EXAMINATION REPORT
DMEA 4634
Nutmeg Mining Corporation
Old Pool Mine
Litchfield County, Connecticut
(Nickel-Cobalt)

A joint report of field examination of the applicant's property was submitted to DMEA by H. L. Burmeister, U. S. Bureau of Mines and W. P. Williams, U. S. Geological Survey, in May 1957.

In June, 1957, the applicant submitted to the Government the results of a dip needle magnetic survey which the applicant has made, evidently through his own efforts, on the property. A copy of the applicant's map and a brief description of the survey are attached to the application. The data on the magnetic survey have been examined and discussed with members of the Geophysics Branch, U. S. Geological Survey.

While the efforts of the applicant in making the magnetic survey are to be commended, it is the opinion of those who have studied the results that the work does not in itself constitute enough justification for DMEA participation in an exploration project.

The applicant's dip needle data are not readily understandable. He has submitted a plan map of the property which shows a station grid upon which is recorded figures that presumably are angles of magnetic dip for each station. Iso-inclination contours have been sketched on the map, and they outline what the applicant terms an 'anomaly'. Inspection of the values on the map, however,

Reviewed by
DMEA OPERATING COMMITTEE
7-19-57
(date)

shows that less inclination appears to have been obtained within the area of the anomaly. An explanation for the applicant's data might be that the instrument was not initially adjusted to compensate for the natural regional dip of the earth's magnetic field.

In any event, Government geophysicists are of the opinion that not enough difference in magnetic inclination exists between the general area of the 'anomaly' and surrounding areas to constitute a really strong anomaly. It is felt that the natural variations in magnetic susceptibility of the rocks in the region are sufficient to produce the variations in dip shown on the applicant's map.

The applicant's 'anomaly' extends across country without regard to geologic contacts, which also is difficult to explain.

For best results with magnetic geophysical methods there should be demonstrated a close and direct relationship between magnetic minerals and the sought, non-magnetic sulphide minerals. As far as is known such a relationship has not been established for the region under consideration.

The value in a strong magnetic anomaly would probably best lie in the strong possibility that an anomaly could be found in the same area by electro-magnetic methods. An electromagnetic anomaly would indicate the presence of a conducting sulphide mass.

Government geophysicists were of the opinion that the pyrite, pyrrhotite, and pentlandite bodies on the property would react well to self-potential geophysical methods.

It is the conclusion of Government geophysicists and the

writer that the applicant's dip-needle magnetic survey does not constitute adequate justification for DMEA participation in further work. More geophysical work, by qualified operators, might furnish such justification. Self-potential and electromagnetic surveys, especially the latter, would be expensive to complete.

It is recommended that the application in its present form be denied. It is further recommended that, if there is a feasible way to do so, the applicant be advised that more and better geophysical work is probably desirable on the property and that such work could constitute justification for a DMEA contract on the property. A commitment to the applicant based on the outcome of such work should, however, be avoided by the Government at this time.

W. P. Williams

W. P. Williams
July 10, 1957

DMEA Form 7
(12-56)

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Date	Surname	Code
7-9	Chapman	400
7-9	Martin	400
7/10	[illegible]	130
"	Johnson	110
"	Bartlesday	100
7/11	P.K.	220
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JUL 11 1957

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

Re: Docket No. DMA-4634, Nickel-Cobalt
Nutmeg Mining Corporation (formerly
Levine and Citelli)
Old Pool Mine
Litchfield County, Connecticut

Dear Mr. Laurence:

Although your memorandum of July 3, 1957, advised you were enclosing three copies of a report on a dip needle survey of the above-noted property, four copies were enclosed, and one is therefore being returned to you with this letter. We would also appreciate having your comments and recommendations on the results of this survey.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

APPROVED:

O. M. Bishop (GCS)
Member, Bureau of Mines

Thor H. Kiilsgaard (GCS)
Member, Geological Survey

TLChapman/dlm 7-9-57
cc to: Docket
Code 400
Admr. R. File
Oper. Comm.
FT. REG. V
Messrs. H. W. Davis, USBM
T. H. Kiilsgaard, USGS

Enclosure

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 18 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

July 3, 1957

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DMEA
RECEIVED JUL 5 1957

DATE	INITIALS	CODE
7/5	C	220
7/5	RC	400

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville, Tenn.

Subject: Docket No. DMEA-4634 (Ni., Co.)
Nutmeg Mining Corp (formerly) Arthur P. Levine and Charles Citelli).
Old Pool Mine, Litchfield County, Connecticut

Enclosed are 3 copies of a report on a dip needle survey of the Nutmeg property. The report is intended to be part of the subject application.

Robert A. Laurence

Robert A. Laurence
Executive Officer, DMEA
Region V

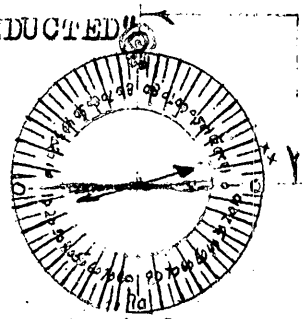
V. J. Lynch

V. J. Lynch, Member
Bureau of Mines

Copy to G.S
U.S.G.M.

"EXPLANATION AND MANNER IN WHICH SURVEY WAS CONDUCTED"

"Dips were within the arrows as shown"



Instruments used

1. Dipping Compass (B.Pike & Sons)
2. Magnetic Compass
3. 100 ft. Tape Measure
4. Wooden Stakes
5. A Grid Map (prepared in advance) The survey was followed and conducted directly from the grid, and every-so-often a back track was made to a known point where a stake was previously driven to double-check the footage between the East-West lines, this was done at 400 ft. intervals, in the North-South direction, We felt this was necessary, since we were not using a transit.

Explanation of how survey was conducted

Work was started on North Road at the junction of the Mattatuck Trail, an East-West line was established with the Magnetic Compass, in the Westerly direction and the 100 ft. Tape was laid down along that line, readings were taken at three points 0-50-100 ft. increments, this operation was continued until a distance of 1600 ft. was reached, which, at this point represents the Westerly end of the starting line. (however, a stake was driven at the 1,050 ft. mark, thus establishing the crossing of the East-West line with the North-South line, as drawn on the Grid Map). At a point where the Westerly end of the starting line was known (1600ft.) a North-South line was established with the Magnetic Compass and a 50 ft. measure was taken, in the Notherly direction, At this point a reading was recorded on the grid map (as was done previously from the point of beginning) the survey was then continued by establishing an East-West line with the Magnetic Compass in the Easterly direction and the tape measure was again used and readings were taken at every 50 ft. this was continued until North Road was reached, thus placing us in a position 50ft. directly north of the point of origin. The survey was continued in this manner (working (East And West) until the Northernmost grid was completed. With this being done, we proceeded to the point of origin and started to work the Southern end of the survey in the same manner as was just accomplished.

At every 50 ft. Increment, the Magnetic Compass was used to Double-check the Magnetic North.

note: No transfer of readings were necessary, as we used a photo-stat copy of the original grid map, which we had prepared, and all readings were placed directly on the copy, readings were transfered from the copy to the original map, which was drawn on tracing paper and photo-stats were again made of the original with the readings recorded.

Method of using the Dip Needle Compass

North was established with the Dip Needle held in a horizontal position in the left hand, with the reader facing West; then with the dip needle dropped in a vertical position, and double-checked by the magnetic compass, the readings were then taken. In all cases the magnetic compass was held at a reasonable distance so as not to cause a deviation to the dip needle.

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re: Docket No.4634 (Nickel, Cobalt) Old Pool Mine, Litchfield County, Conn. D.M.E.A.

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INITIALS CODE
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400

IN REPLY REFER TO:

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

June 17, 1957
Re: DMEA 4634
Arthur P. Levine &
Charles Citelli
Old Pool, Hardy &
Buck Deposits
Litchfield County, Conn.
$40,000 - Nickel, Cobalt, etc.

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

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

Subject: Review of Field Team Report

The applicants, then a partnership, now a company, requested assistance in exploring by drilling, the assumed extensions of long known small deposits associated with a basic rock complex.

The deposits are concentrations of pyrite, pyrrhotite, pentlandite, and chalcopyrite within complex masses of olivine norite, quartz norite, and hypersthene pyroxenite.

The drilling proposed would have tested an assumption that two small concentrations, 3,000 feet apart, are parts of a large body. In the opinion of the examiners, it is unlikely that orebodies of economic size and grade are present and judging from the observed geologic conditions, the proposed program of the earnest but amateur promoters is not realistic. The examiners recommend that the application be denied without prejudice.

The conditional denial is based on the expressed intention of the applicants of having a geophysical survey made of the area. The rocks and metallic minerals lend themselves to such a survey and the examiners agree that such a survey should be made before the proposed drilling or other exploratory work is undertaken.

As the well meaning applicants appear determined to have additional preliminary work done and have requested a stay of final judgment, I recommend that a reasonable time be allowed the applicants in which to have the work done and to submit a report of the findings.

N. E. Nelson

N. E. Nelson

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

June 14, 1957

Re: DMEA-4634 (nickel, cobalt)
Arthur P. Levine et al

Memorandum

To: ~~W. S. Martin~~, Chief, Iron and Ferroalloys Division, Defense Minerals Exploration Administration

From: H. W. Davis, Branch of Ferrous Metals and Ferroalloys

Subject: Review of Application

I concur with the recommendation of the Field Team that the application be denied in its present form and agree that should geophysical work by the applicants prove favorable a re-evaluation of the property be made with regard to appropriateness of DMEA participation in further exploration costs.

H. W. Davis

H. W. Davis

Attachments 4

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 59 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

WASHINGTON 25, D.C.

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RECEIVED JUN 10 1957

DATE	INITIALS	CODE
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6/14	C	220
		400

June 7, 1957

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Examination Report - DMEA-4634, (nickel, cobalt) Arthur P. Levine and Charles Citelli, 1254-50th St. Brooklyn, New York. Old Pool Mine, Litchfield County, Connecticut.

Transmitted are 4 copies of the subject examination report.

The Field Team recommends denial of the application without prejudice, leaving a way open for reconsideration of the property if a geophysical survey is made and the results are favorable.

On page 4 of this report it is stated that the applicant has not submitted the instrument changing the partnership to a corporation. This instrument was recently forwarded to the Operating Committee, probably after the report was written.

Robert A. Laurence

Robert A. Laurence, Executive Officer
DMEA Field Team, Region V

V. J. Lynch

V. J. Lynch, Member
Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE
6-14-57
(date)

Original

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FIELD TEAM REPORT OF EXAMINATION OF PROPERTY

by
W. P. Williams and H. L. Burmeister 1/

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DMEA Docket No. 4634 (nickel, cobalt)

Arthur P. Levine and Charles Citelli (a partnership)
1244 50th Street, Brooklyn 19, New York

SUMMARY

Arthur P. Levine and Charles Citelli, formerly a partnership but now incorporated as of April 16, 1957 under the name of Nutmeg Mining Corporation, 1244 50th Street, Brooklyn 19, New York, has applied to DMEA for assistance to explore for nickel, cobalt, copper, and related minerals. The property involved consists of a leasehold that includes some old flooded mine workings that were worked by the Connecticut Nickel Company in 1842.

The proposed work would consist of unwatering two old shafts and diamond drilling 24 drill holes, a total of 2,400 feet of drilling, all at a total estimated cost of $40,000.

The Applicant wishes to conduct an immediate geophysical survey and submit the results obtained as a supplement to the application.

ON SITE EXAM

1/ W. P. Williams, U. S. Geological Survey
H. L. Burmeister, U. S. Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE
6-14-57
(date)

CONCLUSIONS AND RECOMMENDATIONS

The nickel deposits of Mount Prospect are concentrations of pyrite, pyrrhotite, pentlandite, and chalcopyrite that occur within complex masses of olivine norite, quartz norite, and hypersthene pyroxenite. Much of the surface of the property is covered with soil and vegetation which adds to the difficulty of deciphering the geological relationships.

The Applicant has proposed a project of shaft unwatering and a blind drilling program neither of which appears to have a good chance of making a significant ore discovery. The Applicant has written his intention to complete a geophysical survey on the property which would assist greatly in determining hole locations and spacing, or in fact whether the property is worthy of further exploration.

The examining team are of the opinion that observed geologic conditions on the property are such that it is unlikely that ore bodies of economic size and grade are present. Under those conditions it is recommended that the application be denied in its present form.

The examining team agree, however, with the Applicant concerning the desirability of geophysical work on the property in advance of core drilling or other exploration work. If the Applicant completes geophysical work on the lease, and the results are submitted to DMEA, then it is recommended that the property be re-evaluated with regard to appropriateness of DMEA participation in further exploration costs.

TIME SPENT ON PROPERTY, ETC.

The examiners spent 6 hours in the field accompanied by Messrs. Arthur P. Levine and Charles Citelli, the Applicants. An additional 4 hours were spent in conference with the Applicants.

NAME AND LOCATION OF PROPERTY

This property is known as the Old Pool Mine and is located approximately 1½ miles northeast of the village of Bantam in Litchfield County, Connecticut.

The property is reached from Bantam by proceeding westward on Route 25 for a distance of 0.6 miles to North Road entering Route 25 from the north Proceed northward on North Road for 1.4 miles and walk ¼ mile westward on a trail to the Old Pool Mine shaft, Fig.1. North Road is graveled and the trail is passable for drill rigs in most seasons.

COMPETENCY OF APPLICANT

Both of the young men in this partnership are earnest young airline maintenance mechanics. They have been prospecting for several years but have no knowledge of mining exploration and freely admit it.

The financial responsibility of the Applicants was not investigated but it was assumed that their finances were at least sufficient to pay for the modest geophysical survey they expect to conduct. The application indicates that they could furnish their share of an exploration program with money.

APPLICANT'S PROPERTY RIGHTS

Mr. Arthur P. Levine obtained a 3 year lease dated July 19, 1956 from the owner Miss Loretto T. Morrissey of Gaylordsville, Connecticut. The lease is on the mining rights on 481 acres and surface rights also on approximately 175 acres of the total 481 acres. On Nobember 1, 1956, Mr. Levine assigned a one half interest in the lease to Mr. Charles Citelli as a partner. A copy of the assignment was submitted with the application. The partners informed the examiners that they had very recently disolved the partnership and had incorporated as the "Nutmeg Mining Corporation", 1244 50th Street, Brooklyn 19, New York. Both men were requested to submit a copy of the instrument changing from partnership to a corporation to establish the connection with this application. This has not been done. A copy of the Applicants property map as submitted is attached to this report. (Fig. 2) "Consent to Lien", was included in the application.

GEOLOGY AND ORE DEPOSITS

The Applicant's property is located on Mount Prospect which in turn is situated in the Western Highlands physiographic sub-province of New England. Mount Prospect rises to a height of 1,250 feet above sea level. Topographic relief in the vicinity is about 430 feet.

The oldest rocks (age unknown) in the vicinity are gneisses and schists of the Berkshire and Hartland formations. Those two formations have been invaded by gneissic diorites and associated biotite pyroxenite, biotite

hornblendite, and granodiorite porphyry. All the former rocks are intruded by a predominantly basic series of quartz and olivine norites, hypersthene pyroxenite, and dike rocks. Granitic rocks which appear to be still younger complete the assemblage of bedrock units.

The nickel deposits are associated with the younger basic series. Plate I shows the locations of the six principal deposits in the vicinity. Workings consist of pits and shafts, now flooded and inaccessible. Little is known of their history except that they represent mining ventures carried on intermittently since about 1835.

OLD POOL DEPOSIT

Relations at this deposit, Plate II, are obscure but evidently complex. Surrounding the deposit are diorite gneisses intruded by granodiorite porphyry and what appears to be gneissoid quartz norite. The ore is chiefly variable olivine norite which is exposed at the collar of a flooded shaft. On the shaft dump can be found norite and diorite gneiss containing disseminated pyrite, chalcopyrite, pyrrhotite, pentlandite, and possibly covellite. The dump material is much oxidized and weathered having lain exposed to the elements for many years; so that the rock on the dump has a reddish brown, ferruginous, gossanous, appearance.

At the Pool shaft the ore seems to be localized in a shear zone that strikes N 50° E and dips 40° southeast. The Pool shaft is collared in the shear zone. The shear is only a few feet wide and does not appear to have great longitudinal extent.

About 75 feet northwest of the Pool the Applicant has dug and blasted a narrow trench about 40 feet long, about 5 feet wide, and 3 to 4 feet deep. The trench exposes gray, medium to fine grained diorite gneiss. Within the gneiss at small scattered local spots may be seen sparsely disseminated pyrite and pyrrhotite. No massive sulphides were noted in the trench.

The Applicants stated that they had unwatered the Old Pool shaft, at least for part of its depth, for examination purposes. As far as could be determined the Applicants had not had a geologist examine the workings while they were pumped out, and since the Applicants are neither geologists nor engineers no reliable description of geologic conditions underground could be obtained from them. The shaft had been allowed to refill with water by the time of the field examination. Pumping out the shaft and digging the prospect trench represents all the work done by the Applicants at the Old Pool deposit.

No production records could be found for the Old Pool deposit. At the present time it is not possible to calculate any ore reserves for the vicinity of the Old Pool shaft.

HARDY DEPOSIT

The Hardy deposit, the location of which is shown on Plate II, was worked by two shafts, now flooded. Nearby outcrops show medium to coarse

grained quartz norite. The shaft dumps contain this rock together with contact-metamorphosed diorite gneiss and Bershire gneiss xenoliths. In both xenoliths and quartz norite, sulphides are unevenly distributed in grains, aggregates, thin veinlets, and irregular masses up to 5 inches in diameter. Material in the shaft dumps is strongly similar to the rock at the Old Pool shaft.

The Applicants did not furnish assay certificates but they stated verbally that a grab sample from the Hardy dump, assayed by Lucius Pitkin, ran about 0.90 percent copper and the same percentage for nickel. C. R. Harte states in Connecticut's Minor Metals and Her Minerals, 1944, "Analyses of samples of the ore showed from 1.65 to 2.86 percent nickel; 0.97 to 1.31 percent copper....."

BUCK DEPOSIT

At the Buck deposit, Plate II, the main rock type is olivine norite. The olivine norite is variable in texture and mineral proportions. Both olivine norite and surrounding diorite gneisses are cut by norite, gabbro-diorite, and diorite dikes. Visible workings are a partly caved pit and a flooded timbered shaft.

The mineralized area is poorly exposed but evidently small. The ore is olivine norite with sulphides irregularly distributed in small streaks, patches, grains, and thin veinlets.

A detailed description of the ore minerals and their paragenesis is given by E. N. Cameron, Origin of Sulphides at Mount Prospect, Geol. Soc. of America Bull., v. 54, p. 651-686. In his "Introduction" Cameron states, "The nickel deposits of Mount Prospect in northwestern Connecticut have been known for more than 100 years. They are small and economically unimportant..." Some reasons for Cameron's assertion that the nickel deposits are economically unimportant are: 1) the habit of the developed deposits is known to be small as evidenced by shaft openings, dump sizes, and such old fragmentary reports as are available, 2) the grade of the known deposits is low - probably, 1 percent or less each of copper and nickel, 3) the textural arrangement of the sulphide minerals as disseminated grains within and among silicate minerals is such that the chances of finding massive, higher grade ore bodies does not seem good, 4) there does not appear to be present on the property a strong, geologic structure, such as a broad shear zone, brecciation, etc., on a regional or even district scale which would serve to localize large ore bodies, 5) Cameron's work with photomicrographs indicates that there has been only one period of sulphide deposition, thus lessening chances for large ore deposits at depth, 6) a static water level that is practically at the surface lessens chances for large secondarily enriched ore deposits at depth.

APPLICANT'S PROPOSED EXPLORATION

The Applicant proposes to explore for nickel, cobalt, platinum, iridium, and copper deposits on a leasehold consisting of 481 acres located on Mount Prospect, Litchfield County, Connecticut.

The proposed work would consist of unwatering two old flooded shafts, and a core drilling program consisting of a total of 2,400 feet of drilling, in 24 drill holes. Total estimated cost of the project would be $40,000. Drill hole layout was not based on geologic or practical reasoning.

Unwatering the old shafts does not appear suitable for DMEA participation in that such work would not result in the discovery of new ore deposits because it is extremely unlikely that any ore of economic grade was left exposed in the workings when they were being operated and finally abandoned. Such work probably should be done by the Applicant as a means of making an examination of the property possible.

The Applicants' drilling proposal is based on the very tenuous assumption that a mineralized, trend exists between two old prospect shafts, the Old Pool and the Buck, that are almost a mile apart. There is no observable geological field evidence supporting such a hypothesis. As a result the Applicants' proposed drill hole pattern represents a pure prospecting venture that would find ore only by merest chance.

During the field examination the Applicants stated that they seriously considered performing a geophysical survey on the property and of making a drilling program contingent upon the results of such a survey. The examining team believe that such would be a good approach to the problem of locating drill holes advantageously and in positions where the chances of finding sulphide deposits would be better. The Applicants then announced their firm intention to perform geophysical work on the property for their own account

and wishes their application held in abeyance until they have completed that work. The Applicants worte a letter to the examining engineer to that effect, dated May 3, 1957. A copy of the letter is attached to this report.

The Longyear drilling bid accompanying the application was not firm. One furnished at the time of esamination was duplicated and is attached to this report. A bid from Joy Mft. Co. was promised by the Applicants.

ALTERNATE PROPOSAL

An alternate proposal is not made nor were costs investigated for the reason that these items are not relevant if the Applicants do not conduct a geophysical survey and would have to be worked out again if such a survey is made.

May 1957

H. L. Burmeister
Mine Exploration and Examination Engineer
U. S. Bureau of Mines

W. P. Williams
Geologist
U. S. Geological Survey

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 13 1957

DATE	INITIALS	CODE
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May 3,1957

Mr.H.L.Burmeister
DMEA-U.S.Bureau of Mines
College Park,Maryland

Re: DMEA-4634 Nickel,
Cobalt,Platinum
Arthur P.Levine
Charles Citelli
Old Pool Mine
Litchfield,Conn.

Dear Mr.Burmeister;

We wish to thank you for the survey of our property on May 2,1957.As the result of your visit,after careful consideration we intend to supplement our application by the following;to more accurately determine the drill holes we shall first undertake a geophysical survey of the work area; also,the drilling bid shall be revised in lieu of the fact that a two shift one rig program shall be more efficient than a single shift set-up.All revised figures will follow in later correspondence.

Therefore,we are requesting that our application remain open,pending the results of the geophysical survey;this,we intend to complete very soon.We also like to take this opportunity to inform you that the partnersip and lease has bbb been placed into a newly formed organization,April 16, 1957 under the name of "Nutmeg Mining Corporation" a Connecticut company;which corporation assumes all the obligations of the partnership.Arthur P.Levine as president;Charles Citelli as vice-president.

Very truly yours,
Arthur P. Levine
Arthur P.Levine
Charles Citelli
1244 50 Street
Brooklyn 19,N.Y.
Charles Citelli

5/13/57
cc to: BMG GS.
for.

Longyear

E. J. LONGYEAR COMPANY
General Offices, Foshay Tower
Minneapolis 2, Minnesota, U. S. A.
TELEPHONE: FEDERAL 2-2447 • CABLE LONGCO

April 9, 1957

Messrs. Arthur Levine and Charles Ottolli
1414 - 50th Street
Brooklyn 19, New York

EXPLORATORY DIAMOND CORE DRILLING PROGRAM - VICINITY OF NEW MILFORD, CONNECTICUT

Gentlemen:

1. Pursuant to your recent conversations with Mr. J. A. C. Blair, Jr., we are pleased to submit below proposal for your contemplated exploratory drilling program which is to be carried out in the above-mentioned district.

2. We understand that the program as now planned will consist of the drilling of approximately 25 holes to an average depth of 100 feet, with maximum depth of 500 feet; that these holes will vary in inclination from vertical to 50 degrees, measured from the horizontal; that the overburden will consist of a maximum of 20 feet of glacial drift; and that the formation to be drilled is hornblende schist. We further understand that no hole will be more than 2,000 feet from a traveled road; and that water will be available within a maximum lift of 100 feet and maximum distance of 2500 feet from any drill location.

3. For this work we propose to furnish one Longyear skid-mounted diamond drill together with the necessary equipment required to accomplish the work as described above. We further propose to operate the drill on a one shift basis, six days per week.

4. We will carry public liability insurance covering personal injury and property damage, and Workmen's Compensation Insurance, and also, all-risk insurance on the drilling equipment protecting against loss by theft, fire, flood, landslides and other similar hazards.

We will also assume and pay any and all Old Age Benefit, Unemployment and Social Security taxes and contributions imposed by federal or state authorities.

Certificates showing the coverage referred to will be furnished upon request.

5. Based upon the conditions as outlined above, we are pleased to quote as follows:

a) Mobilization and demobilization of equipment and personnel.....$400.00 Lump Sum

b) Overburden Drilling - In vertical and angle holes -

0 to 20 feet in depth.....$ 6.50 per foot

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

March 28, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 29 1957

DATE	INITIALS	CODE
4/1	C	220
4/1	WSM	400

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-4634 (nickel, cobalt) Arthur P. Levine and Charles Citelli. Old Pool Mine, Litchfield County, Connecticut.

Enclosed are three copies of each of the following items, submitted by Arthur P. Levine to supplement the application:

1. Property Map
2. Map showing proposed drilling
3. Core drilling bids from two contractors.

Robert A. Laurence
Robert A. Laurence
Executive Officer, DMEA
Region V

Wm A Beck
Wm. A. Beck, for V. J. Lynch
Member, Bureau of Mines

4/1/57
Copies sent to
BM & GS.
fre

Longyear

E. J. LONGYEAR COMPANY
General Offices, Foshay Tower
Minneapolis 2, Minnesota, U.S.A.
TELEPHONE: FEDERAL 3-2447 • CABLE LONGCO

EXTRA - COPY

ORIGINAL FILE COPY
DMEA
RECEIVED MAR 29 1957

DATE	INITIALS	CODE

February 28, 1957

Mr. Arthur P. Levine
124 - 50th Street
Brooklyn 19, New York

Dear Mr. Levine:

Mr. Stewart Richmond, manager of our New York office, has just given to us over the telephone a general outline of a core drilling program you have under consideration at your property near Bantam, Connecticut. We understand that you would like a proposal for this drilling. In the absence of a first hand report from one of our field men, we cannot submit a firm price for the work. However, we are pleased to give you a general idea of the cost based on the information we have at hand.

We understand that the minimum footage contemplated at present is 2500 feet and that the holes would be approximately 100 feet in depth; that the overburden is from 3 to 10 feet in depth and that all drill locations can be reached with a truck mounted drill. Water may have to be hauled to each location, necessitating the use of a water truck.

Based upon this information, we estimate that the work could be done at $4.50 to $5.00 per foot.

We should like very much to work with you on this project and when your plans become finalized, we would welcome the opportunity to examine the site and submit a firm bid.

Our Drilling Superintendent, Mr. J. C. C. Blair will be in our New York office the early part of the week of March 4th. If you wish, he would be glad to discuss this work with you and, at your convenience arrange to examine the site.

We very much appreciate your interest in our services and are looking forward to working with you on this project. We have done a large amount of work in New England and believe we could give you prompt and efficient work on this exploration.

Yours very truly,

E. J. LONGYEAR COMPANY

A. F. Pickard

Assistant Manager
Contract Drilling Division

A.F.Pickard:vr

JOY MANUFACTURING COMPANY
100 CEDAR STREET
NEW YORK 6, NEW YORK
TELEPHONE CORTLAND 7-6800

March 8, 1957

EXTRA COPY
DMEA
RECEIVED MAR 22 1957
DATE | INITIALS | OFFICE

Mr. Arthur P. Levine
Mr. Charles Citelli
1244 50th Street
Brooklyn 19, New York

Reference: Core Drilling
New Milford, Connecticut

Gentlemen:

Relative to your request for core drilling to be done at or near referenced location, our Core Drilling Department has quoted a price $6.50 per foot AX Core, minimum 2500 total feet for this work.

You will be required to furnish water required for drilling at the drill site.

We thank you for permitting us to quote requirements and will arrange to draw up the necessary contract upon advice from you.

Very truly yours,

JOY MANUFACTURING COMPANY

C. J. Coressel
Office Manager

CJC:sh

Messrs. Arthur Levin and Charles Citelli April 9, 1957

c) Diamond Core Drilling

Top of Ledge to a depth of 50 feet -

BX-size hole, recovering core approximately 1-5/8" in diameter.....$5.75 per foot - it being understood that this size bit will be used for collaring of holes only, for the purpose of installing AX casing.

Top of Ledge to a maximum depth of 500 feet -

AX-size hole, recovering core approximately 1-3/16" in diameter.....$5.00 per foot

6. The above-quoted drilling rates are based on wages currently being paid in the State of Connecticut. If during the life of this project it becomes necessary for us to adjust the wages being paid our workmen because of demands of labor union or otherwise, it is understood and agreed that the Longyear Company reserves the right to increase drilling rates to cover resultant additional operating expenses.

7. It is understood and agreed that prior to the commencement of the work you will deposit with us or in a mutually acceptable bank, the sum of $5,000.00, said deposit to be used for the payment of invoices rendered in accordance with our contract. In the event that the program is extended and you require additional footage over and above that now planned, it is agreed that you will deposit in advance such additional funds as may be required to cover cost of such work.

8. Drill cores will be turned over to your representative at the drill site in boxes furnished by you.

9. The terms of this agreement are based upon your acceptance of this proposal within two weeks. We presently have a rig available in our warehouse at Bex Meadows, Virginia, and we are prepared to move onto your property and commence drilling within one week of the acceptance of this proposal. If our proposal is found acceptable, we shall appreciate having you sign one copy of this letter and return it to us, together with the above-mentioned deposit.

Sincerely,

L. J. LONGYEAR COMPANY

Assistant Manager
Contract Drilling Division

A.F.Pickard:bal

ACCEPTED:

ARTHUR LEVINE OR CHARLES CITELLI

By:_____

Date:

U. S. Government Messenger Envelope

Standard Form No. 65 (Rev. 1/46)

1. Use blocks consecutively, one at a time.
2. Void previous block.
3. Write clearly.

NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM		NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM	
[redacted]	RUN / STOP		RUN / STOP
Hairiman Hearing Room 3643	RUN / STOP		RUN / STOP
T. Kitagawa Rm. 3224	RUN / STOP		RUN / STOP
Mr. Martin 3538 Int.	RUN / STOP		RUN / STOP
	RUN / STOP		RUN / STOP
	RUN / STOP		RUN / STOP
	RUN / STOP		RUN / STOP
	RUN / STOP		RUN / STOP
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	RUN / STOP		RUN / STOP

Send surplus envelopes to supply room for reissue.

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Use RUN and STOP only when messenger service between Government buildings in Washington is required. Your mail room has RUN and STOP information.

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Use other side first

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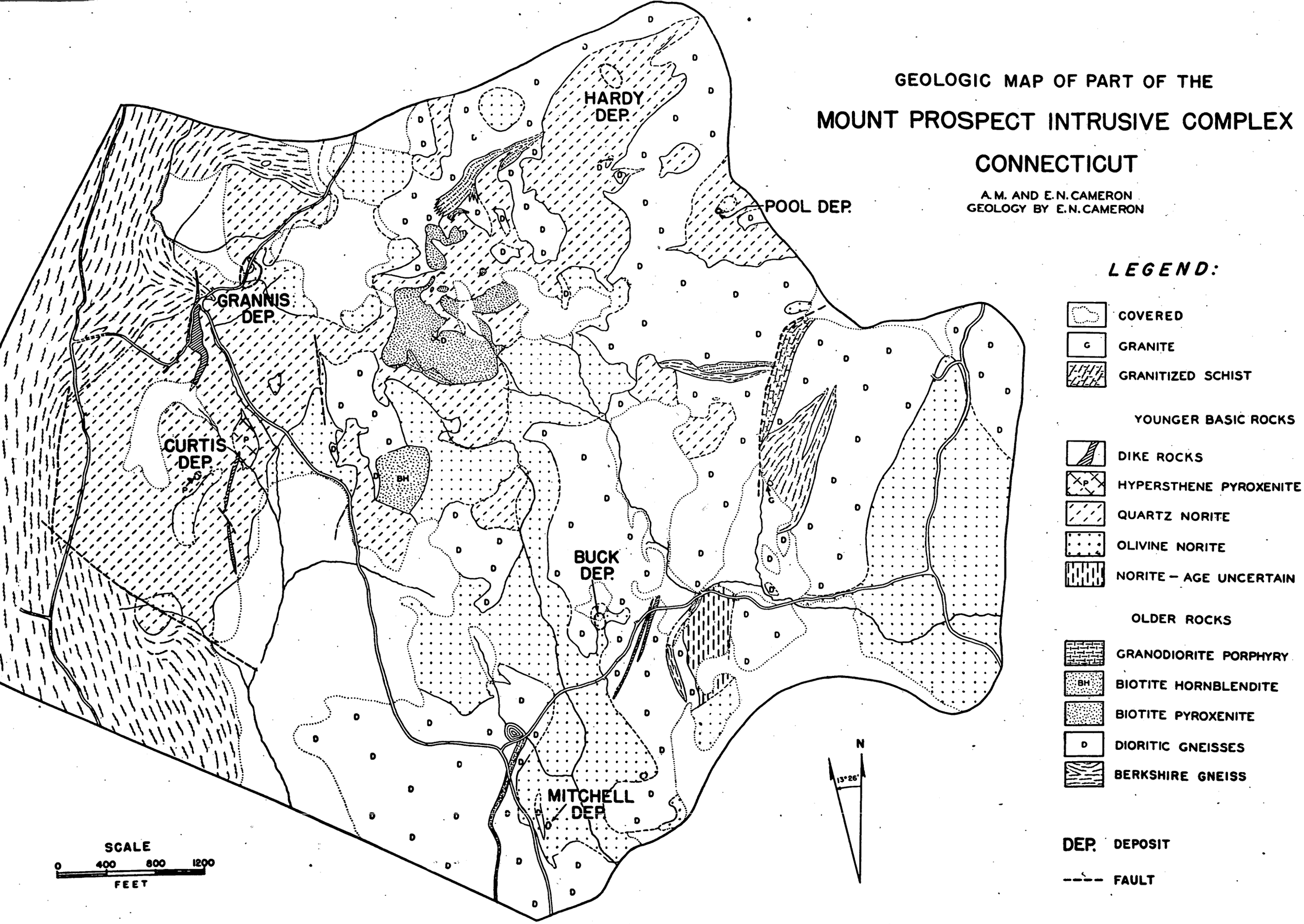
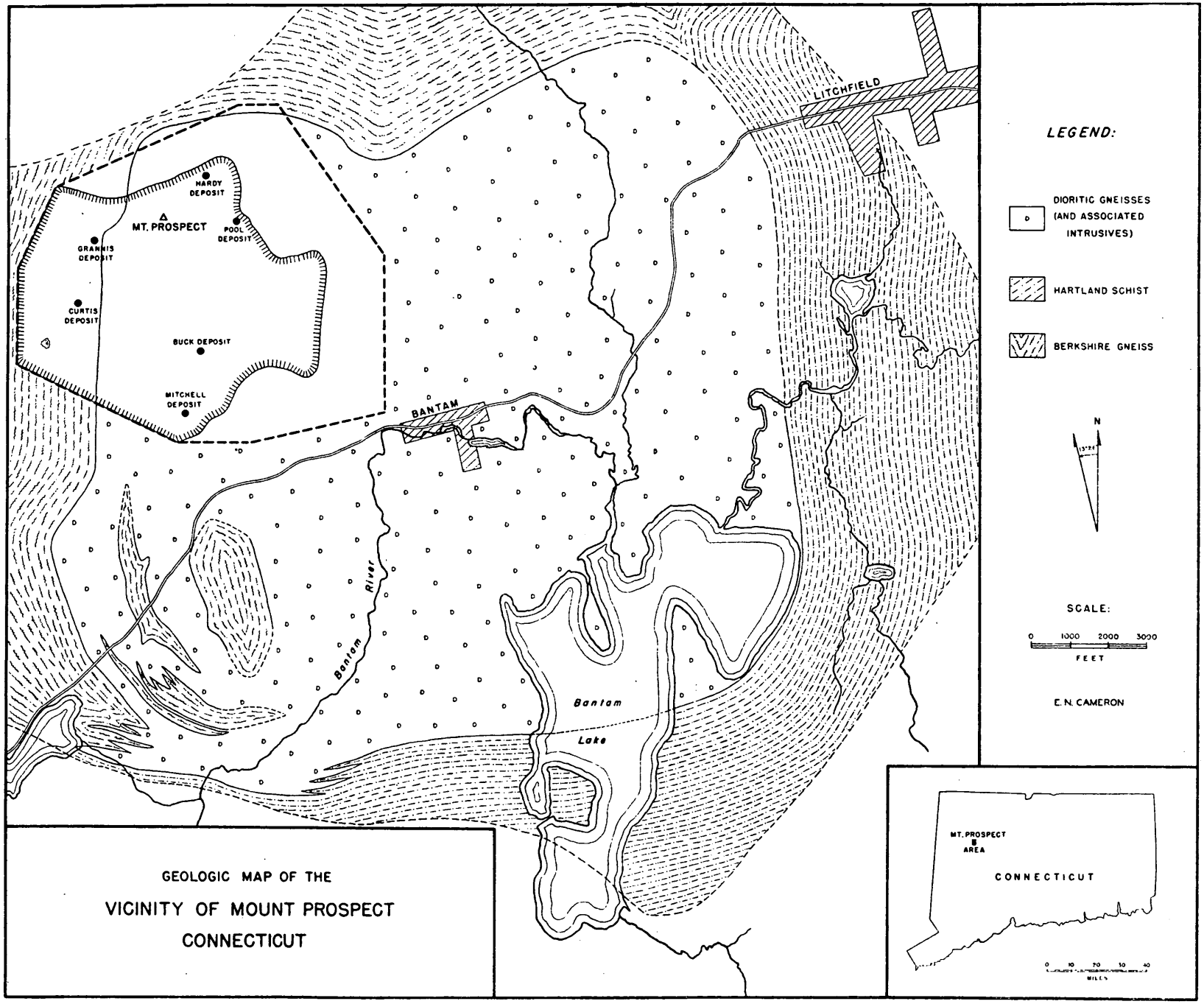
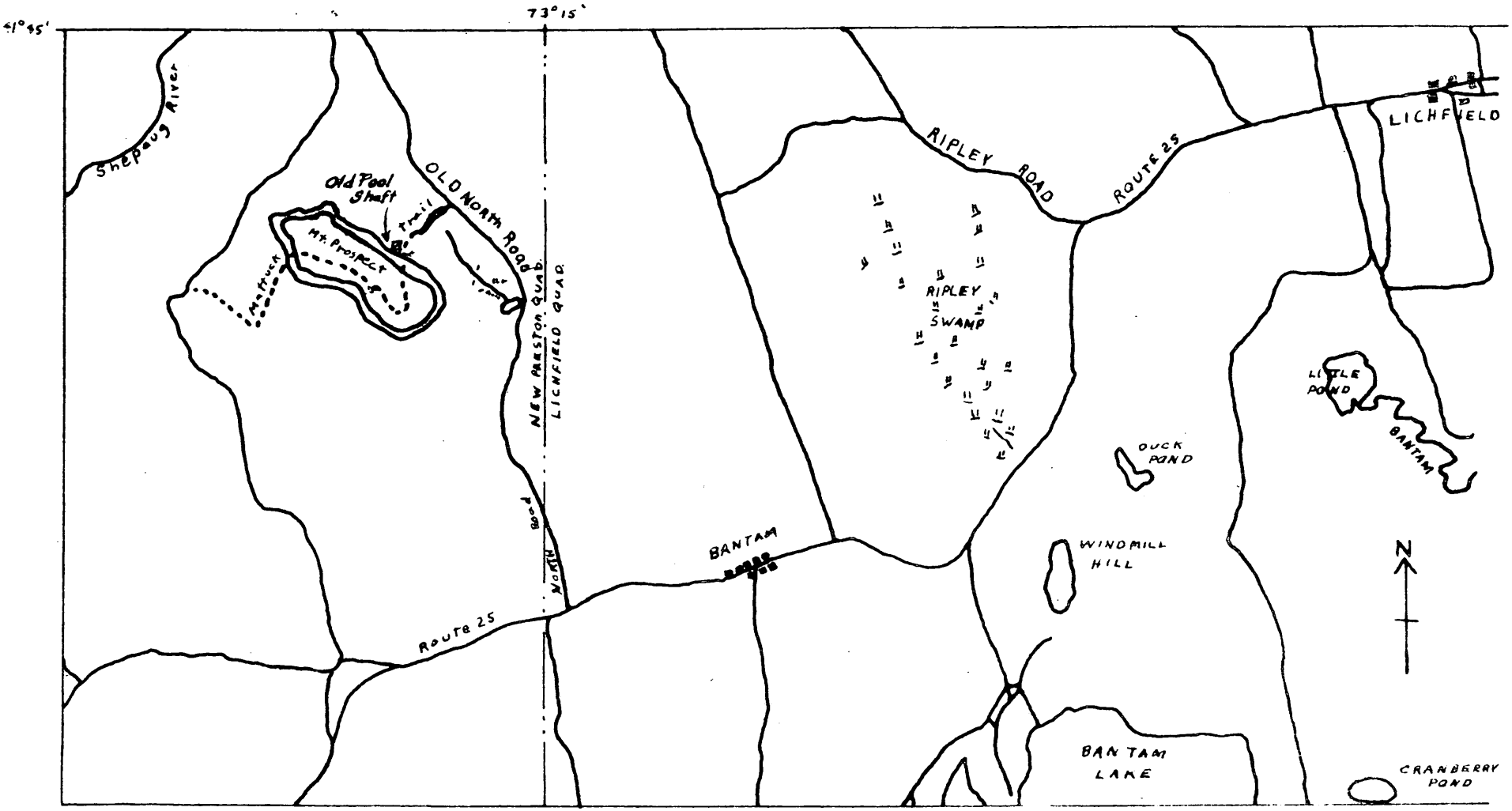


GEOLOGIC MAP OF PART OF THE MOUNT PROSPECT INTRUSIVE COMPLEX, CONNECTICUT



GEOLOGIC MAP OF THE VICINITY OF MOUNT PROSPECT, CONNECTICUT



DMEA 4634
OLD POOL MINE
Litchfield County, Conn.

FIG. 1

0 miles ½

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1, POST OFFICE BLDG.
KNOXVILLE 2, TENNESSEE

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 13 1957

DATE	INITIALS	CODE
3/13	C	220
3/13	WSM	400

March 11, 1957

Mr. Arthur P. Levine
1244 - 50th Street
Brooklyn 19, New York

Re: DMEA-4634 (nickel, cobalt, platinum)
Arthur P. Levine and
Charles Citelli
Old Pool Mine
Litchfield County, Conn.

Dear Mr. Levine:

Your application has been referred to this office for review and possible field examination.

Before we can undertake a field examination, it will be necessary to have the maps and other data which Mr. Burmeister requested in his letter of February 5.

I note that the application, in item 6 states that the "work plan is to consist of pumping out of the two shafts". This type of preliminary work should be performed by the Applicant before the examination and is not properly a part of the exploration contract. If the surface exposures are not adequate to permit an evaluation of the proposed project, then you should have the shafts unwatered so that our field men can inspect them.

When we receive the necessary data, we will continue processing the application and will arrange for a field examination if one is needed.

Very truly yours,

Robert A. Laurence,
Executive Officer, DMEA
Region V

RAL/km
Oper. Com.-3
Kiilsgaard
Lynch
Miller
Files

FINAL FILE COPY
D M E A
RECEIVED MAR 18 '93

DATE	INITIALS	CODE

DMEA Form 7
(12-56)

400

OFFICIAL FILE COPY

Date	Surname	Code
3/1	Chapman	400
3/1	Martin	400
3/6	Selfridge	130
"	Johnson	110
"	Gottschalk	100
3/7	C	225

400

Kiilsgaard

MAR - 6 1957

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

Re: Docket No. DMEA-4634 - Nickel,
Cobalt, Platinum
Arthur P. Levine and Charles Citelli
Old Pool Mine
Litchfield County, Connecticut

Dear Mr. Laurence:

The above-docketed application for exploration assistance is being referred to your office for a review and field examination of the property if you think it necessary.

Copies of memoranda dated February 18 and 26, 1957, by N. E. Nelson, Geological Survey, and H. W. Davis, Bureau of Mines, respectively, relating to the project are enclosed. Also enclosed is an extra copy of the application for the use of the Field Team.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JB)

APPROVED:

Frank D. Lamb (JB)
Member, Bureau of Mines

Thor H. Kiilsgaard (JB)
Member, Geological Survey

TLChapman/esf 2/28/57
cc to: Docket
Code 400
Admr. R. File
Oper. Comm.
FT, REG. V
H. W. Davis, USBM
T. H. Kiilsgaard, USGS

Enclosures

P. S. After you have had an opportunity to review the attached reports of 1859, 1864, and 1917, which are our only copies, please send them to the field examiners for return to us. If a contract is to be recommended the applicant should be asked to provide Consent to Lien on the up-to-date form.

8623

DMEA Form 7
(12-56)

400

OFFICIAL FILE COPY

Date	Surname	Code
3/1	Chapman	400
3/1	Martin	400
3/6	Selfridge	130
"	Johnson	110
"	Mittendorf	100
		225

MAR - 6 1957

Kilsgaard
Lamb

Mr. Arthur P. Levine
1244 50th Street
Brooklyn 19, New York

Re: Docket No. DMEA-1634 - Nickel,
Cobalt, Platinum
Arthur P. Levine and Charles Citelli
Old Pool Mine
Litchfield County, Connecticut

Dear Mr. Levine:

The above-docketed application for exploration assistance for nickel-cobalt-platinum ores has been reviewed by the Iron and Ferro-Alloys Division of the Defense Minerals Exploration Administration and referred to Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region V, Room 13, Post Office Building, Knoxville 2, Tennessee, for a review and possibly a field examination of the property.

Any assistance you can give the members of the Field Team will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

TLChapman/esf
2/28/57
cc to: Docket
Code 400
Admr. R. File
Oper. Comm.
FT, REG. V
H. W. Davis, USBM
T. H. Kiilsgaard, USGS

8623

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

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 26 1957

DATE	INITIALS	CODE
2/26	C	220
2/27	WSM	400

February 26, 1957

Re: DMEA 4634
Arthur P. Levine et al
Old Pool and Buck Mines
Litchfield County, Conn.
$40,000 - Nickel, cobalt, platinum

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division, Defense Minerals Exploration Administration

From: H. W. Davis, Branch of Ferrous Metals and Ferroalloys

Subject: Review of Application

The applicants' proposal pertains to a loan of $40,000 to explore an old nickel-cobalt-platinum deposit in Litchfield County, Connecticut.

As stated by N. E. Nelson, of USGS, little work has been done in the area since the middle of the nineteenth century and little is now to be seen other than caved and overgrown pits.

Inasmuch as insufficient information is available on which to base an opinion concerning the loan it is recommended that the application be referred to the Field Team for its review and recommendations.

H. W. Davis
H. W. Davis

Attachments 2

IN REPLY REFER TO:

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 21 1957

DATE	INITIALS	CODE
2·21	C	220
2/25	WSM	400

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

February 18, 1957
Re: DMEA 4634
Arthur P. Levine, et al
Old Pool and Buck mines
Litchfield County, Connecticut
$40,000.00 - Nickel, cobalt, platinum

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

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

Subject: Review of application

The applicants request assistance in exploring an old nickel-copper-cobalt deposit. The application is supported by old time reports as:-

Examiner	Year
Dr. F. A. Genth	1859
Thos. Petherick	1864
J. S. Miller	1917

Little work has been done in the area since the middle of the nineteenth century and little is now to be seen other than caved and overgrown pits. The old time reports mention pits and shafts of 40 to 50-foot depths, but such openings are no longer accessible.

The report by E. N. Cameron, 1943, "Origin of sulphides in nickel deposits of Mt. Prospect, Connecticut", Bulletin of the Geological Society of America, Vol. 54, is probably the latest authoritative report on the area. Of the deposits Cameron says, "The nickel deposits of Mt. Prospect are small concentrations of pyrite, pyrrhotite, pentlandite, and chalcopyrite. ....They are small and economically unimportant but exhibit ores of a type long interesting to geologists - basic intrusive rocks containing pyrite, pyrrhotite, pentlandite and chalcopyrite..."

Of the Old Pool deposit Cameron says, "Relations at the deposit are obscure but evidently complex. Surrounding it are diorite gneisses intruded by granodiorite porphyry and a rock which appears to be gneissoid quartz norite. The ore is chiefly variable olivine norite which is exposed at the mouth of a flooded opening, but the dumps show sulphides in norite, diorite gneisses, and granodiorite porphyry, which must have been encountered underground."

Of the Buck deposit Cameron says..."The mineralized area is poorly exposed but evidently small. ...Southwest of the Buck deposit are four shallow pits and a small quarry. The olivine norite in these excavations shows only small amounts of sulphides."

The work plan of the applicants consists of diamond drilling of a strip connecting the two mines, 120 feet wide and a mile long by 6 lines of 4 holes each. The lines, or fences, would be about 800 feet apart. Judging by the geologic maps available, no sound geologic reason for the drilling can be inferred.

Probably no systematic sampling of the deposits has been done and considering the condition of the old openings, angle drilling appears to be a good method for sampling, but some of the work proposed does not appear warranted. Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

COPY

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

February 14, 1957

Mr. Arthur P. Levine
1244 50th Street
Brooklyn, New York

Subject: DMEA-4634

Dear Mr. Levine

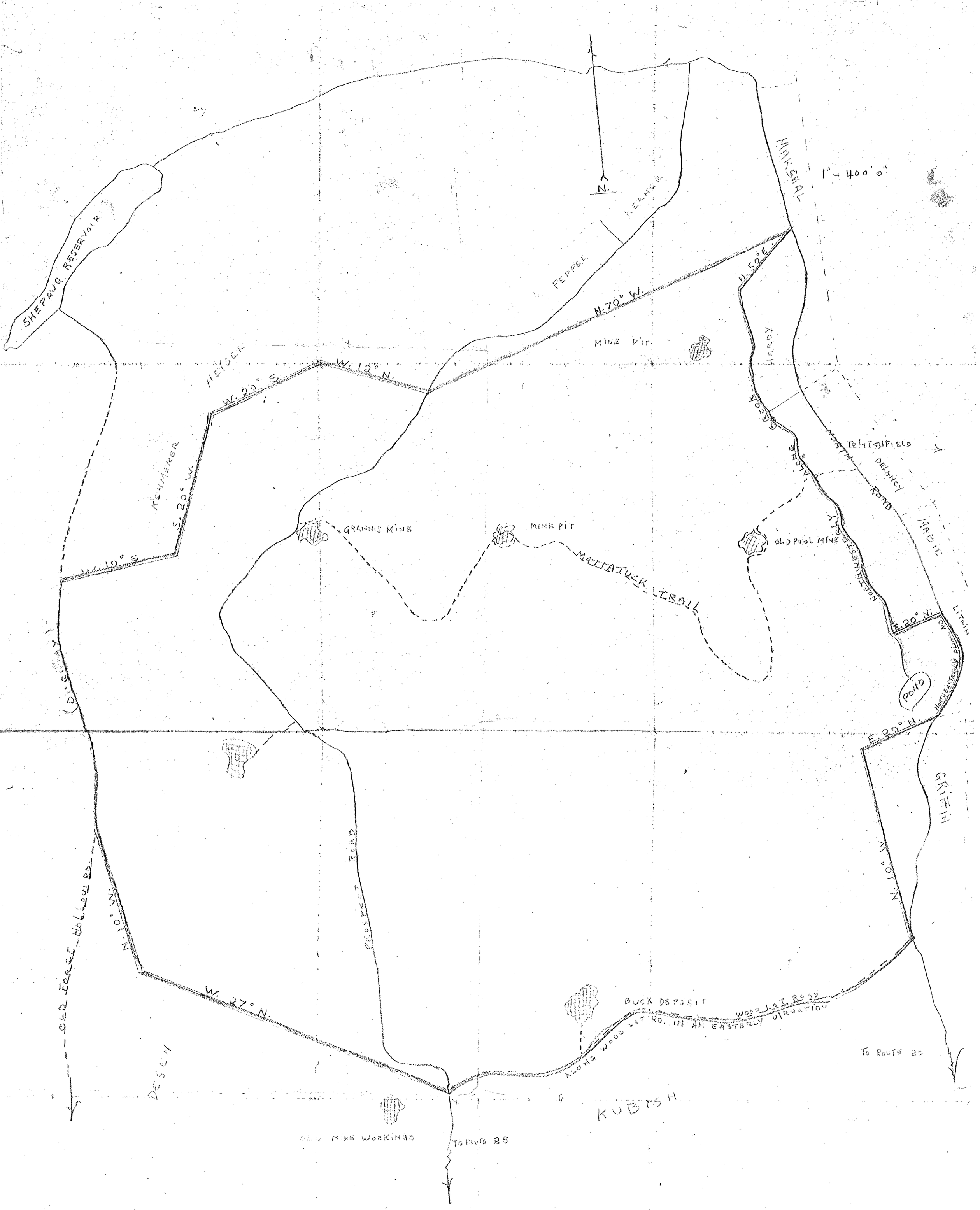
Your application for exploration assistance, dated December 3, 1957 submitted to our office at Knoville, Tennessee has been assigned Docket Number DMEA-4634 and referred to the Iron & Ferro Alloys Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to: 400
Region V

6816

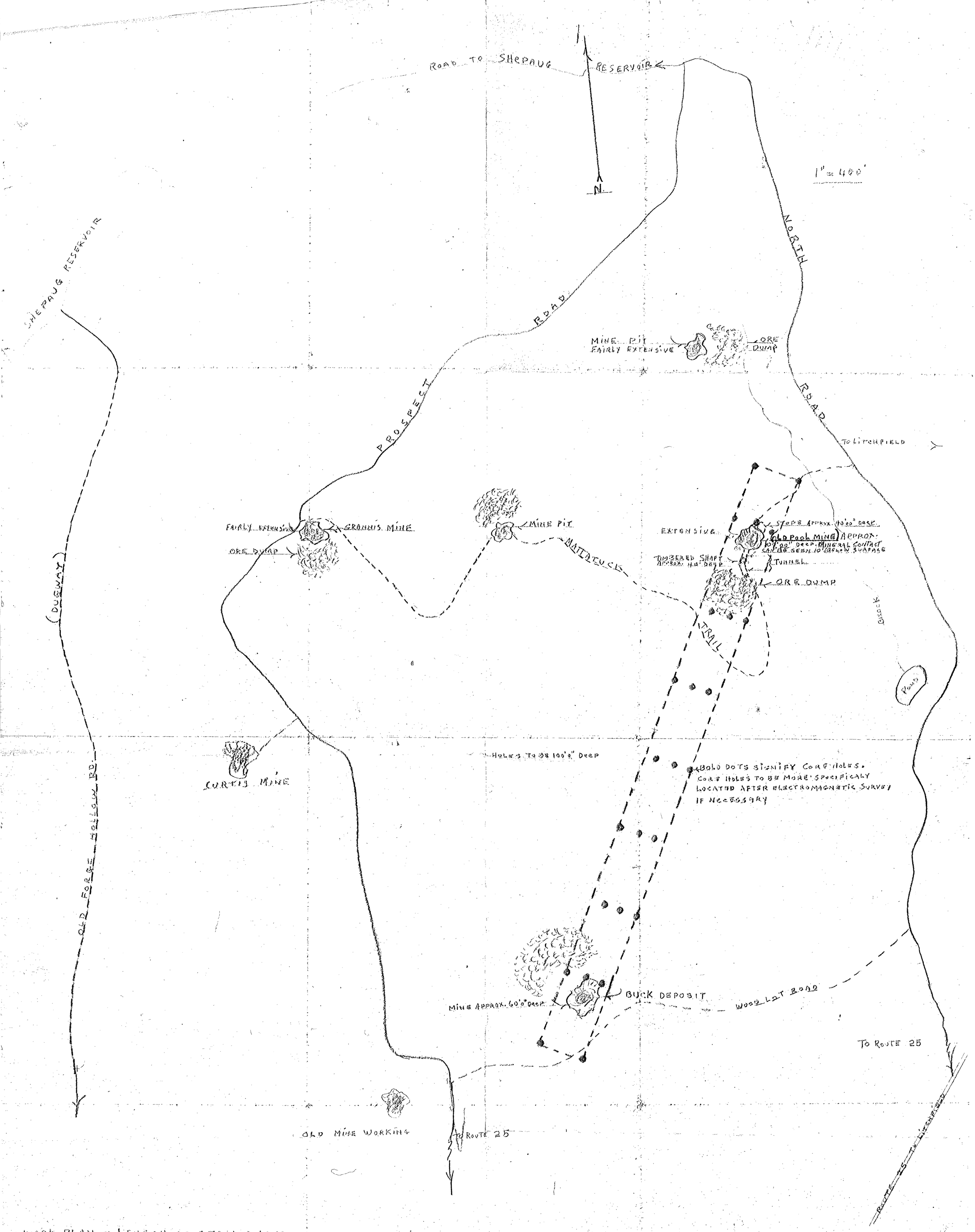


APPLICANTS - ARTHUR P. LEVINE
1244 50 ST.
BROOKLYN. N.Y.

CHARLES CITELLI
68 STATE ST.
Rockville CENTRE, N.Y.

IIME A 4634

BOUNDARY MAP OF LORETTO T. MORRISSET
TOWN OF BANTAM COUNTY OF LITCHFIELD
500 ACRES MORE OR LESS



WORK PLAN = LENGTH OF STRIKE APPROX. 4800'00" NORTHEAST DIRECTION FROM BUCK DEPOSIT TO CONSIST OF A WIDTH OF 400'00" TO INCLUDE THREE CORE HOLES SPACED EVENLY ACROSS THE WIDTH AND AT 600'00" INTERVALS ALONG THE LENGTH EXCEPT BOTH ENDS TO CONSIST OF TWO CORE HOLES.

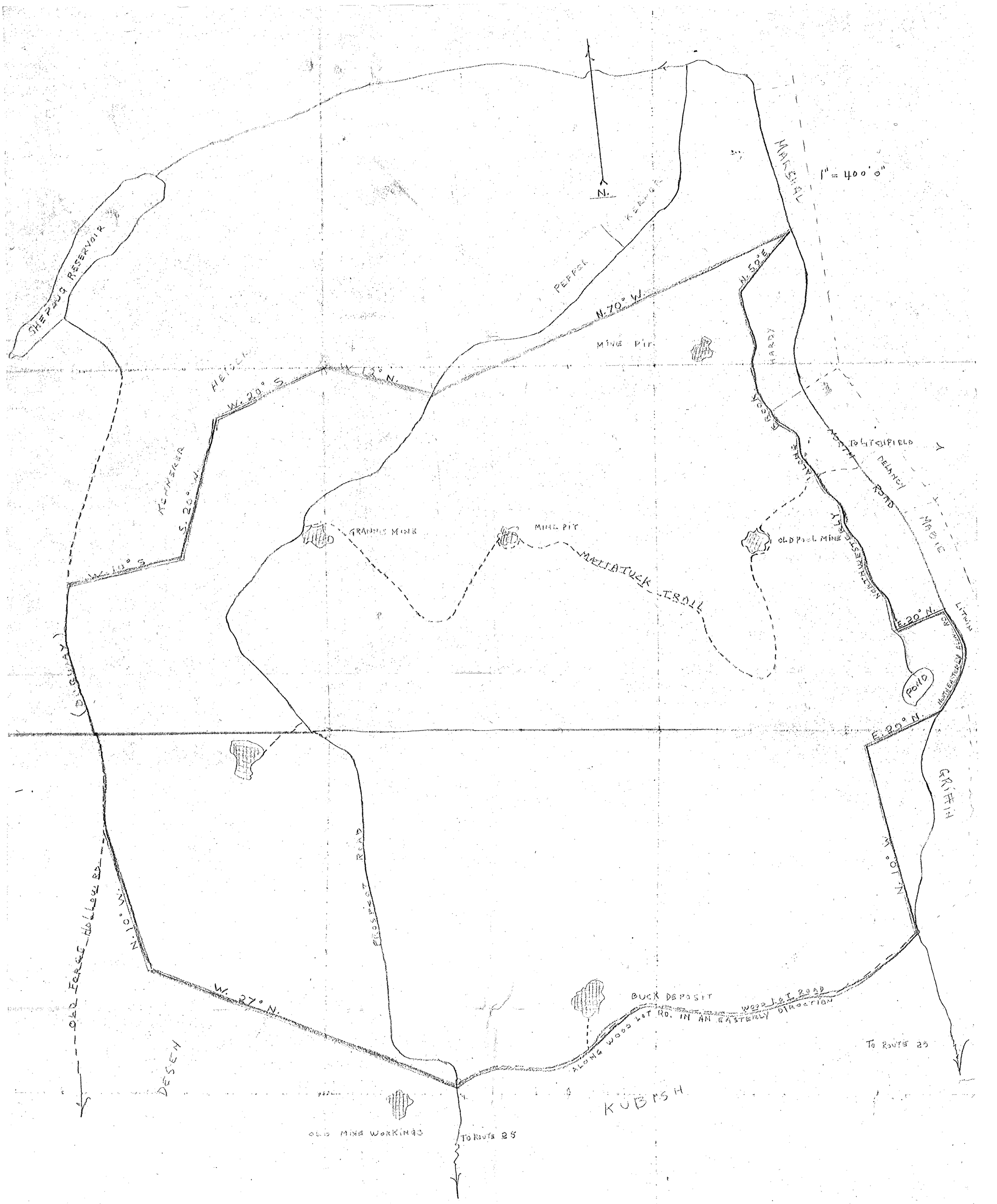
APPLICANTS = ARTHUR P. LEVINE
1244 50TH. ST.
BROOKLYN, N.Y.
PHONE - GEDNEY 6,7594

CHARLES CITELLI
68 STATE ST.
Rockville CENTRE, N.Y.
PHONE - Rockville Centre 4,6533

IIMEA 4634

NICKEL PROSPECT
LITCHFIELD COUNTY CONN.

CORE DRILLING PROGRAM TO DETERMINE CONTINUITY OF VEIN BETWEEN "OLD POOL" DEPOSIT AND "BUCK" DEPOSIT



APPLICANTS - ARTHUR P. LEVINE
1244 50 ST.
BROOKLYN, N.Y.

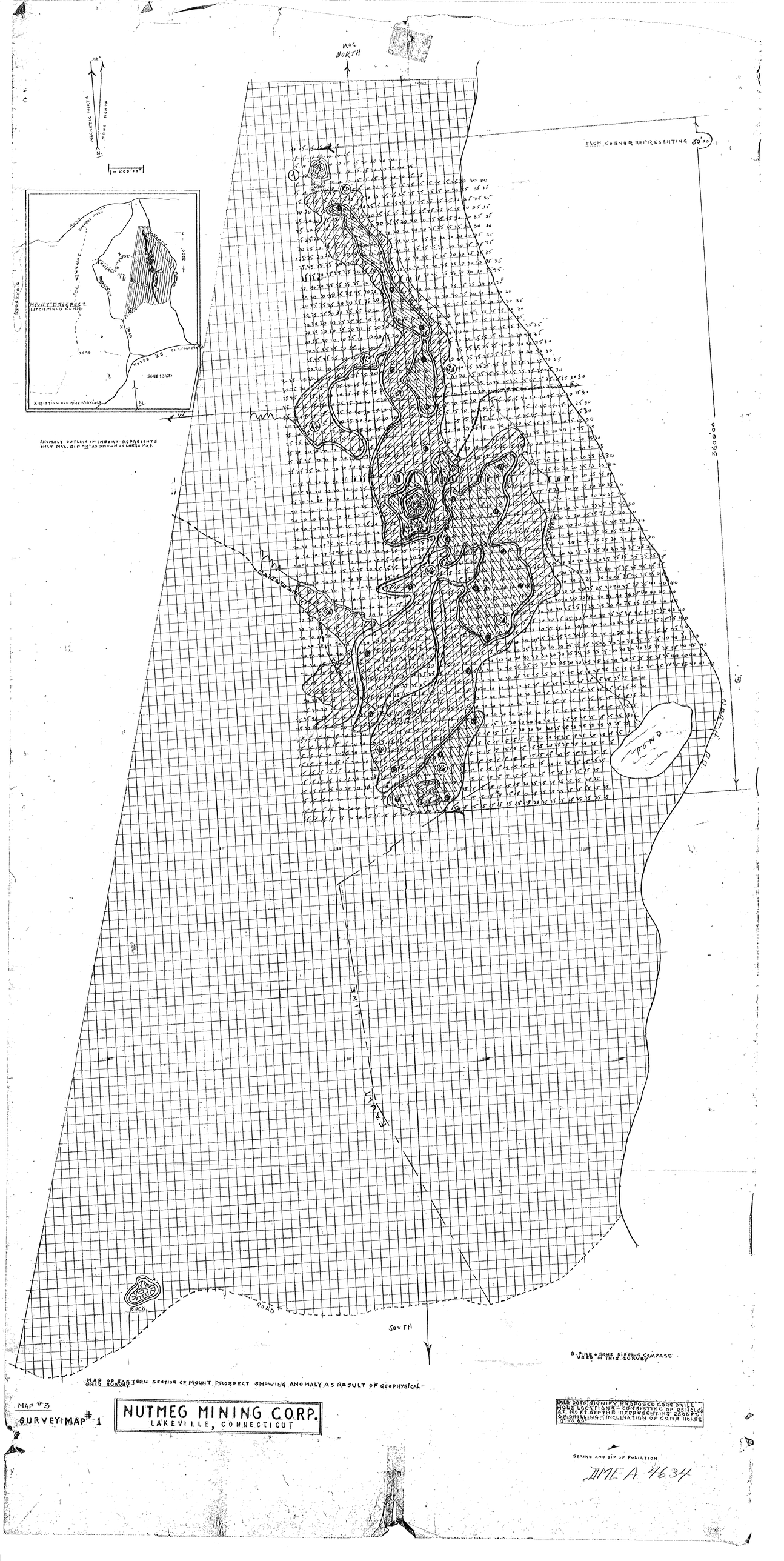
CHARLES CITELLI
68 STATE ST.
ROCKVILLE CENTRE, N.Y.

BOUNDARY MAP OF LORETTO T. MORRISSEY
TOWN OF BANTAM COUNTY OF LITCHFIELD
500 ACRES MORE OR LESS

IIME A 4634

FIG. 2

Applicant's Property Map


MAG. NORTH
MAGNETIC NORTH
TRUE NORTH
1" = 200'00"
EACH CORNER REPRESENTING 50'00
MOUNT PROSPECT
LITCHFIELD CONN.
ROUTE 25 TO LITCHFIELD
SCALE 1:24000
X EXISTING OLD MINE WORKINGS
ANOMALY OUTLINE IN INSERT REPRESENTS ONLY MAX. DIP 15° AS SHOWN ON LARGE MAP.
POND
SOUTH
ROAD
DUCK
B. PIKE + SONS DIPPING COMPASS USED IN THIS SURVEY
MAP OF EASTERN SECTION OF MOUNT PROSPECT SHOWING ANOMALY AS RESULT OF GEOPHYSICAL-
GOLD DATS SIGNIFY PROPOSED CORE DRILL HOLE LOCATIONS CONSISTING OF 33 HOLES AT 100 FT DEPTHS REPRESENTING 2500 FT. OF DRILLING - INCLINATION OF CORE HOLES 45 TO 60°
STRIKE AND DIP OF FOLIATION
MAP #3
SURVEY MAP # 1
NUTMEG MINING CORP.
LAKEVILLE, CONNECTICUT
AME A 4634