MME Form 9
Rev. Mar. 59

UNITED STATES
DEPARTMENT OF THE INTERIOR
Office of Minerals Exploration

OFFICIAL DOCKET FILE

Contract No. 14-23- 2123 Docket No. MME-6104

Application
- [ ] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

- [x] Royalty Audits ~~6-13-62~~
- [x] Certification of ~~Discovery~~ Possible Production 3-7-63
- [ ] Closing Letter
- [x] Cost Audits 9-18-62
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [x] Contract Amendments
- [x] Contract with all exhibits and annexes 2-16-61
- [x] ~~Owner's Consent to Lien and Subordination Agreement~~ Performance Bond
- [x] Application and Attachments

Lease Folder No. 2

Right Side

- [ ] Project Summary (final)
- [ ] Work Completed Analysis (final)
- All other material filed in chronological order including the following reports if checked:
- [ ] Field Team Semiannual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [x] Operator's Final Report (Tab) 6-15-62
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [ ] On-site Exam. Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No. 3 : Reports
- [ ] Analysis of Semiannual Inspection Reports
- [ ] Project Summary (Interim) MME Engineers

Opr.'s Monthly Narrative reports in separate folders 3-A

Right Side

- [ ] Field Team Semiannual Report for Certified Project
- [x] Field Team Interim Reports
- [x] Operator's Monthly Reports with Transmittal, Narrative and Maps

Folders No. _____ : Maps (Use pocket folder or envelope)

Folders No. _____ : Settlement Sheets

Folders No. _____ : Drill Logs

Folders No. _____ : Royalty Material

52615

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~OFFICE OF MINERALS EXPLORATION~~
WASHINGTON 25, D. C.

5/1/68 Bliss
Long
5/3/68 Kirkemo 120
5/7 Jones 110
220

GEOLOGICAL SURVEY

MAY 7 1968

110
220
120M

File OME-6104 docket

Hartford Accident and Indemnity Company
1101 17th Street, N. W.
Washington, D. C. 20036

Re: OME-6369 (Nickel)
Knox Mining Corporation, Assignee
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2198

Gentlemen:

For your information, a certification of possible production has been issued to the Operator as a result of the exploration program under the subject contract.

The property as set forth in the contract is covered by your Performance Bond dated July 21, 1966, under the captioned name and contract number. The bond remains in effect for the time stated in the certification, but may be reduced to $15,156.65.

We are enclosing a copy of the certification for your records.

Sincerely yours,

FRANK E. JOHNSON

Enclosure

Frank E. Johnson
Chief, Office of
Minerals Exploration

GLAult:hm 5-1-68
cc: Director's Read. File
Division File
Economic Geology File
Branch of Budget & Finance
Mr. Long- Rm. 6554
OME Docket 6369
OME Docket 6104
Robert A. Laurence, Knoxville, Tenn.
Frank E. Johnson
130 (2)
Mr. Kirkemo

cc: Knox Mining Corporation

OME File 5/1/68 Long
Bliss
5/3/68 Kirkemo 120
5/7 Dover 110
" Dm Lemmon 220
Acting Assoc. CC

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON, D.C. 20242

110
220
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Files in Docket
OME-6104

UNITED STATES OF AMERICA
CERTIFICATION OF POSSIBLE PRODUCTION
UNDER AN EXPLORATION CONTRACT

Knox Mining Corporation, Assignee
P. O. Box 1061
Alexandria, Virginia 22313

Re: OME-6369 (Nickel)
Knox Mining Corporation, Assignee
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2198

Gentlemen:

Pursuant to Article 7 of the subject contract, as amended, and Annex II thereof, the Government hereby certifies that mineral or metal production may be possible as a result of the exploration work.

Accordingly, royalties shall be paid to the Government as provided in the contract, on all production from the land described in the contract, as amended, from February 16, 1961, to March 17, 1982, as follows:

1. The total Government contribution under the contract to be repaid is $30,458.90, plus accrued interest. Royalties are to be first applied to the repayment of the first $15,302.25, plus interest at 6% per annum computed from the date Federal funds were first made available under the Prior Contract, as provided in Annex II of the subject contract. The payment of royalties on this amount is secured by a Performance Bond executed by the Hartford Accident and Indemnity Company under date of July 21, 1966.

2. If the above sum is fully repaid with interest before March 17, 1982, royalties are to be then applied to the repayment of the remaining $15,156.65, plus interest at 6-1/4% per annum computed from the date Federal funds were first made available for work done under the subject contract. The payment of royalties on this amount is secured by a separate

Performance Bond executed by the Hartford Accident and Indemnity Company under date of July 21, 1966.

3. Royalties shall continue to be paid as provided in the contract until the total Government contribution is repaid with interest, or until March 17, 1982.

We call your attention to the Amendment and Consent to Assignment, Amendment No. 9 of the subject contract, dated July 21, 1966, which refers to the DMEA exploration project on much of the same land covered by the subject contract. Your attention is also directed to Annex II of the subject contract. Although Annex II specifically incorporates the Government contribution under the first OME project on this land into the repayment provisions of the subject contract there is still an outstanding royalty balance of $64,633.14, due on the DMEA project. The obligation to pay royalties on production on this amount expires June 30, 1973. Therefore, if any production takes place on any land common to the DMEA project and either or both of the two OME projects, a royalty of 5% for the OME project plus the amount due under Article 8 of the DMEA contract will be due until that date.

Royalty payments should be made in favor of the U. S. Geological Survey and mailed or delivered to the Chief, Office of Minerals Exploration, Department of the Interior, Washington, D. C. 20242. Each payment should be accompanied by two copies of settlement sheets or other suitable sales evidence showing the name of the purchaser, the quantity and grade of the production sold, the price per unit, and the gross proceeds and allowable deductions therefrom. The purchaser should be notified of the Government's royalty on production and directed to pay the royalty, computed as provided in the contract, directly to the Government.

The Chief, Office of Minerals Exploration, should be promptly notified upon the commencement of any production and upon any extended cessation thereof. Production unsold or unused six months after extraction from the ground should be reported promptly to the Chief, Office of Minerals Exploration.

Attention is specifically invited to the provisions of Article 2(c) of the contract referring to the preservation of the Government's royalty rights. Two true copies of any instrument transferring, surrendering, or encumbering any of said rights shall be furnished to the Chief, Office of Minerals Exploration.

A copy of the letter to the Hartford Accident and Indemnity Company is enclosed for your information.

Dated this 7th day of May, 1968.

THE UNITED STATES OF AMERICA

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of Minerals Exploration

CC: Hartford Accident and Indemnity Company
1101 17th Street, N. W.
Washington, D. C. 20036

Enclosure

RBliss:hm 5-1-68
cc: Director's Reading File
Division File
Economic Geology File
Branch of Budget and Finance
Mr. Long - Rm. 6554
OME Docket 6369
OME Docket 6104
Robert A. Laurence, Knoxville, Tenn.
Frank E. Johnson
130 (2)
Mr. Kirkemo

Roland F. Beers, Inc.
(Knox Mining Corporation, Successor)
Docket No. DMEA 4947, Amendment No. 14
Docket No. OME 6104, Amendment No. 8
Docket No. OME 6369, Amendment No. 9

AMENDMENT AND CONSENT TO ASSIGNMENT

R-7.8
JY

This Amendment and Consent to Assignment dated as of 21st day of JULY, 1966 between the United States of America, acting through the Department of the Interior, U. S. Geological Survey (herein referred to as the "Government"), Roland F. Beers, Inc., a corporation created under the laws of the State of New York (herein referred to as "Beers, Inc."), and Knox Mining Corporation, a corporation created under the laws of the State of Maine (herein sometimes referred to as "Knox"),

W I T N E S S E T H:

WHEREAS, the Government and Beers, Inc. have heretofore entered into the following Exploration Contracts and certain amendments thereof, under which Beers, Inc. as operator has conducted nickel exploration projects on certain tracts of land in Knox and Lincoln Counties, State of Maine:

Docket No.	Contract No.	Date	Government's Contribution	Royalty Expiration Date
DMEA 4947	Idm-E 1224	6/30/58	$64,633.14	6/30/73
OME 6104	14-23-090-2123	2/16/61	15,302.25	3/17/81
OME 6369	14-23-090-2198	3/17/65	17,130.00 (Authorized)	3/17/81; and

WHEREAS, Beers, Inc. entered into the listed Exploration Contracts as Manager of the American Syndicate, the Second American Syndicate and the Pond Syndicate, respectively, and as agent for the members of the syndicates, who were its principals; and

WHEREAS, Beers, Inc. in taking in its name deeds and leases and in locating and recording in its name mining claims covering the tracts of land specified in the listed Exploration Contracts, as amended, acted as nominee of the members of the respective syndicates, who were the owners of the interests in such tracts recorded in the name of Beers, Inc.; and

WHEREAS, the members of the Second American Syndicate were successors in interest to the members of the American Syndicate, and the members of the Pond Syndicate are the successors in interest to the members of both the American Syndicate and the Second American Syndicate; and

WHEREAS, the names of the members of the Pond Syndicate and their respective per centum interests in the Exploration Contracts with the Government, as amended, and in the mining properties covered by the Exploration Contracts, as amended, are as follows:

Name	Per Centum Interest
Basic Incorporated	64.8946
Victor Bator	2.2852
Roland F. Beers	19.8430
Roland F. Beers, Inc.	6.8567
Eugene F. Connally	1.7976
C. Emory Lochner	1.1044
W. W. MacGregor	.1878
Baldwin Maull	2.1165
John S. Bakos	.1483
Lewis E. Tufts	.5029
W. Hitchcock Robinson	.0899
Clifford F. Casey	.1034
Shirley H. Clickner	.0370
Muriel L. Munziker	.0176
Richard A. Purvis	.0151
	100.0000

WHEREAS, Beers, Inc. has heretofore advised the Government that certain of the tracts of land formerly covered by the Exploration Contracts have no known value for mineral production and that it has surrendered all of its right, title and interest in such tracts without consideration therefor, other than relief from the cost of maintaining such right, title or interest, and the Government is satisfied with the representations and showings made by Beers, Inc. and such tracts of land are freed from any obligations under the Exploration Contracts and are considered as withdrawn from the land described in such Exploration Contracts, as amended; and

WHEREAS, only the tracts of land set forth in Appendix A attached hereto and made a part hereof, all of which are in Knox County, State of Maine, are now covered by one or more of the Exploration Contracts, as amended; and

WHEREAS, members of the Pond Syndicate are endeavoring to provide the most effective means by which the present economic feasibility of production from the covered tracts may be established and by which nickel and/or other minerals may ultimately be produced from such tracts, if such economic justification exists; and

WHEREAS, Knox Mining Corporation, a corporation created under the laws of the State of Maine, is prepared to devote all of its efforts to the business of the Pond Syndicate; and

WHEREAS, Beers, Inc. has resigned as Manager of the Pond Syndicate and as agent and nominee of the members of the Syndicate; and

WHEREAS, the members of the Pond Syndicate have appointed Knox as Manager of the Syndicate and as agent and nominee of the members; and

WHEREAS, Beers, Inc. has assigned to Knox, as successor, Manager and agent, all rights, obligations, and liabilities of Beers, Inc., as Manager and agent, under the respective Exploration Contracts, as amended; and

WHEREAS, Beers, Inc. has assigned to Knox, as successor nominee, all right, title and interest of Beers, Inc., as nominee, in the tracts of land covered by the Exploration Contracts, as amended; and

WHEREAS, it is in the best interests of the parties hereto that production of minerals from the tracts now covered by the Exploration Contracts be commenced at the earliest possible time in order that sums contributed by the Government under the Exploration Contracts may be reimbursed from royalties on such production in accordance with the terms of the Contracts; and

WHEREAS, in the judgment of the parties hereto the production stage may more readily be reached by Knox, and thus the interests of the parties be furthered by the assignments from Beers, Inc. to Knox and the assumption by Knox of all obligations of Beers, Inc., as Manager and agent, under the respective Exploration Contracts, as amended; and

WHEREAS, certain former employees of Beers, Inc. who have been engaged in work under the Exploration Contracts have been employed by Knox to assist in its efforts to achieve production from the tracts of land subject to such contracts; and

WHEREAS, concurrently with the execution by the Government of this Amendment and Consent to Assignment, Knox has furnished to the Government a Performance Bond or Bonds in form and amount satisfactory to the Government, in substitution for the Performance Bonds furnished by Beers, Inc. under the respective Exploration Contracts;

NOW, THEREFORE, in consideration of the foregoing, it is covenanted and agreed by the parties hereto as follows:

1. The Government hereby consents to the assignment, executed on the 21st day of July, 1966, by Beers, Inc., as Manager of the Pond Syndicate and as agent and nominee of the members of that Syndicate, to Knox of all its right, title and interest in all property, real and personal, wherever situated, which Beers, Inc. has held or possessed as Manager, agent or nominee, and all its rights, obligations and liabilities as Manager and agent under the respective Exploration Contracts, listed in the first recital above, as amended.

2. Knox, as Manager, agent and nominee, hereby accepts all such right, title and interest in such property and assumes all obligations and liabilities of Beers, Inc. incurred by Beers, Inc. as Manager, agent or nominee of the Pond Syndicate or one of its predecessor syndicates or the members thereof, including all obligations and liabilities of Beers, Inc. under the respective Exploration Contracts, as amended.

3. Beers, Inc., as Manager, agent and nominee of the Pond Syndicate and of the members thereof, hereby relinquishes to Knox all its right, title and interest in such property and under the respective Exploration Contracts, as amended.

4. The Government hereby releases Beers, Inc. from all obligations and liabilities under the respective Exploration Contracts, as amended, except any proportionate obligations and liabilities Beers, Inc. may have

as a member of the Pond Syndicate only; provided, however, that this paragraph shall not be deemed to release Knox from any such obligations and liabilities, which have been specifically assumed by it in paragraph 2 above.

5. Appendix A attached hereto lists all tracts of land now covered by the following Exploration Contracts, as amended: Contract No. Idm-E 1224, dated June 30, 1958; Contract No. 14-23-090-2123, dated February 16, 1961; and Contract No. 14-23-090-2198, dated March 17, 1965.

IN WITNESS WHEREOF, the parties hereto have executed this Amendment and Consent to Assignment as of the day and year first above written.

ROLAND F. BEERS, INC.

Attest:

By _____
President

_____
Assistant Secretary

KNOX MINING CORPORATION

Attest:

By _____
President

_____
Secretary

THE UNITED STATES OF AMERICA

By _____
Chief, Office of Minerals Exploration
U. S. Geological Survey
The Department of the Interior

APPENDIX A

Lease No.	Name	DMEA-4947	OME-6104	OME-6369
State of Maine	Mining Lease No. 3	x	x	x
9.0-1-2	Gertrude A. and Burleigh M. F. Esancy	x		
-3	Arthur & Margaret Anderson		x	
-4	James P. Moody, Muriel C. Moody & J. Blanche Moody	x		
-5	Philip G. Lonn and Thelma W. Lonn	x		
-7	Richard A. Moservey	x		x
-8	Harry A. and Kathryn V. Perpall	x	x	x
-10	Gertrude A. and Burleigh Esancy	x		
-11	Earl R. Norwood Sr, et ux	x		
-15	Basil A. Brown et ux	x		
-18	Norman E. Brown	x		
-20	Winona E. Harriman and Paul P. Harriman	x	x	x
-21	George E. Jacobs et ux	x		
-22	Knox Timber, Inc.	x		x
-23	Earl R. Norwood Sr. et ux	x		
-24	Knox Timber, Inc.	x	x	x
-25	William H. Blake	x		
-26	Richard F. Edgecomb et ux	x		x
-28	Linwood B. Hilt et ux	x		x
-28A	Linwood B. Hilt (core shed lease)	x		
-30	Ella E. & Ruth M. Creamer	x		x
-30B	Ella E. & Ruth M. Creamer			x
-33	Herbert O. Simmons & Grace G. Simmons	x		x
-35	Gladys Hupper and Ralph Hupper	x		x

Lease No.	Name	DMEA-4947	OME-6104	OME-6369
9.0-1-36	Franz U. Burkett	X		
-38	Frank H. and Olive E. Grassow	X		
-40	Marion W. Hart	X		
-41	Earl R. Norwood, Sr. & Lura B. Norwood	X		
-47	Crevis F. Payson	X		
-63	Marion J. Hart	X		
-63A	Marion J. Hart	X		
-69	Flora I. Johanson	X		
-71	Mary E. & Elizabeth G. Hilt	X		X
-72	Ida M. Westberg	X		X
-74	Harry L. & Vivian Irene Pushaw	X		
-75	Harry L. & Vivian Irene Pushaw	X		
-83	Roland E. & Gretchen A. Payson	X		
-101	Lloyd G. & Winona L. Brown	X		
-102	Lloyd G. & Winona L. Brown	X		
-103	Lloyd G. & Winona L. Brown	X		
-125	Leroy G. Williams	X	X	X
-126	Elmer C. & Lois M. Hart (Formerly -124)	X	X	X
-127	Elmer C. & Lois M. Hart (Formerly -9)	X	X	X
-128	Sidney M. and Katherine H. Bird	X		X
-129	David K. Abbott & Wilbur C. Abbott (Formerly -1)	X		X
-141	Miles S. & Ella R. Leach			X
-142	Elmer C. & Lois M. Hart			X
-143	Beach C. and Vera M. Hubbard			X
-144	Vernon & Shirley Berry			X

Lease No.	Name	DMRA-4947	OME-6104	OME-6369
9.0-1-145	Stanley A. and Carole A. Soboleski (Formerly -34)			X
-148	Annie Lehto			X
-151	Barbour			X
-152	Maker & Wotton			X
-153	Hall			X
-154	Wyllie			X
-155	Orff			X
-156	Wallace			X
-157	Jameson			X

ASSIGNMENT AND ACCEPTANCE OF ASSIGNMENT

RTS

This Assignment and Acceptance of Assignment dated as of the 22d day of July, 1966 by and between Roland F. Beers, Inc., a corporation created under the laws of the State of New York (herein referred to as "Beers, Inc.") and Knox Mining Corporation, a corporation created under the laws of the State of Maine (herein referred to as "Knox"),

W I T N E S S E T H :

WHEREAS, Beers, Inc. has heretofore served as Manager of the American Syndicate, the Second American Syndicate and the Pond Syndicate and as agent and nominee of the members of the respective syndicates; and

WHEREAS, the members of the Second American Syndicate were successors in interest to the members of the American Syndicate, and the members of the Pond Syndicate are successors in interest to the members of both the American Syndicate and the Second American Syndicate; and

WHEREAS, Beers, Inc., as nominee, holds record title to certain interests in real estate, and as Manager and agent, has entered into contracts, including, but not limited to, Exploration Contracts with the United States of America, acting through the Department of the Interior or agencies thereof, identified as follows:

Docket No.	Contract No.	Date	Government's Contribution	Royalty Expiration Date
DMEA 4947	Idm-E 1224	6/30/58	$64,633.14	6/30/73
OME 6104	14-23-090-2123	2/16/61	15,302.25	3/17/81
OME 6369	14-23-090-2198	3/17/65	17,130.00 (Authorized)	3/17/81; and

WHEREAS, Beers, Inc. has resigned as Manager of the Pond Syndicate and as agent and nominee of the members thereof, and the members of the Pond Syndicate have appointed Knox as Manager of the Pond Syndicate and as agent and nominee of the members thereof;

NOW, THEREFORE, in consideration of the foregoing and other good and valuable consideration, it is covenanted and agreed by the parties hereto as follows:

1. Beers, Inc. hereby assigns, conveys, gives, grants, remises, releases and transfers to Knox all its right, title and interest, as Manager of the Pond Syndicate and as agent or nominee of the members thereof, in all property, real or personal, wherever situated, held or possessed by it as such Manager, agent or nominee, and all its rights, obligations and liabilities, as Manager or agent, including but not limited to its rights, obligations and liabilities under the Exploration Contracts listed in the third recital above, acquired or incurred by it as Manager of the Pond Syndicate or one of its predecessor syndicates or as agent or nominee of the members thereof.

2. Knox, as successor Manager of the Pond Syndicate and as successor agent and nominee of the members thereof, hereby accepts the assignment, conveyance and transfer of all such property, real or personal, held by Beers, Inc. as Manager, agent or nominee, and hereby accepts and assumes all rights, obligations and liabilities of Beers, Inc. as Manager or agent or nominee under all such contracts or otherwise.

IN WITNESS WHEREOF, the parties hereto have executed this Assignment and Acceptance of Assignment as of the day and year first above written.

ROLAND F. BEERS, INC.

By _____
President

Attest:

_____
Assistant Secretary

KNOX MINING CORPORATION

By _____
President

Attest:

_____
Clerk

JUL 2 1 1966

Hartford Accident and Indemnity Company
1101 17th Street, N. W.
Washington, D. C.

Attention: Mr. Charles Boren
Regional Bond Superintendent

Gentlemen:

Reference is made to the three performance bonds, issued by your Company as surety with respect to Roland F. Beers, Inc., 813 North Royal Street, Alexandria, Virginia, as principal. These bonds (hereinafter referred to as the "Beers, Inc. bonds") relate to the following Exploration Contracts and are in the penal sums set forth below:

	Contract No.	Penal Sum
1.	Idm-E 1224	$ 64,633.14
2.	14-23-090-2123	$ 15,302.25
3.	14-23-090-2198	$ 17,130.00

Reference also is made to the assignment by Roland F. Beers, Inc. of all its right, title and interest in certain properties and of its obligations and liabilities in connection therewith, including its obligations and liabilities under the referenced Exploration Contracts, to Knox Mining Corporation, a corporation created under the laws of the State of Maine. The Government today consented to that assignment.

In view of the fact that you have provided three performance bonds with respect to Knox Mining Corporation, in the same form and amount as, and in substitution for, the Beers, Inc. bonds, you have requested that the liability of your Company under the three Beers, Inc. bonds be terminated as of the date that the three new bonds with respect to Knox Mining Corporation take effect.

In response to your request, we hereby advise you that the liability of your Company under the three Beers, Inc. bonds has terminated as of the date and time that the three new bonds with respect to Knox Mining Corporation have taken effect.

UNITED STATES OF AMERICA

By FRANK E. JOHNSON
Chief, Office of Minerals Exploration
U. S. Geological Survey
Department of the Interior

cc: Dockets: w/Performance Bond
DMEA-4947 Idm-E1224
OME-6104 Contract 2123
OME-6369 Contract 2198
Branch of Budget & Finance
OME Reading File OME Region IV

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
	Fairwell	500
3/7	Talbot	500
	Jellerson	130
3/7	Johnson	110
3/7	[illegible]	100
3/7	Coe	220
		500

UNITED STATES OF AMERICA
CERTIFICATION OF POSSIBLE PRODUCTION
UNDER AN EXPLORATION CONTRACT

Dr. Roland F. Beers
President
Roland F. Beers, Inc.
P. O. Box 23
Alexandria, Virginia

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Dr. Beers:

Pursuant to Article 7 of the subject contract, as amended, the Government hereby certifies that mineral or metal production may be possible as a result of the exploration work.

Therefore, royalties shall be paid to the Government as provided in the contract on all production from the land described in the contract from February 16, 1961, to February 16, 1977, or until the sum of $15,302.25 is fully repaid with interest, at the rate of 6 percent per annum, whichever occurs first. The payment of royalties is secured by a Performance Bond given by the Hartford Accident and Indemnity Company under date of February 16, 1961.

Royalty payments should be made in favor of the Office of Minerals Exploration, and should be mailed or delivered to the Director, Office of Minerals Exploration, Department of the Interior, Washington 25, D. C. Each payment should be accompanied by two copies of settlement sheets or other suitable sales evidence showing the name of the purchaser, the quantity and grade of the production sold, the price per unit, and the gross proceeds and allowable deductions therefrom. The purchaser should be notified of the Government's royalty on production and directed to pay the royalty, computed as provided in the contract, directly to the Government.

The Director should be promptly notified upon the future commencement of any production and upon any extended cessation thereof. Production unsold or unused six months after extraction from the ground should be reported promptly to the Director.

8623

Attention is specifically invited to the provisions of Article 2(c) of the contract referring to the preservation of the Government's royalty rights. Two true copies of any instrument transferring, surrendering, or encumbering any of said rights shall be furnished to the Director.

Dated this 7th day of March, 1963.

THE UNITED STATES OF AMERICA

By George Fumich, Jr.

Director, Office of Minerals Exploration

WRGriswold/mm
3/7/63
cc: Hartford Accident and Indemnity Company
Division of Contract Administration and Audit
Fiscal Section
Docket
Director's Reading File
Mr. Frank E. Johnson
Review Committee
Region IV
Code 500

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Roland F. Beers, Inc.
813 North Royal Street
Alexandria, Virginia

pertaining to Exploration Contract 14-23-090-2123, OME No. 6104, including Amendments Nos. 1 through 7, for May 1961 to April 1962, inclusive, covering a nickel project in the Crawford Pond and Alford Lake Areas, Knox County, Maine.

My review included an examination of the Monthly Reports (MME Forms 60) and supporting documents, comparison of the claimed costs with the contract and pertinent schedules, confirmation of work performed by reference to reports and correspondence, and a determination of the reasonableness and propriety of the costs.

This review was made in lieu of a final audit of the Operator's accounts and records for the reasons given in the attached schedule.

The findings of this review are stated in the following summary and the attached schedule:

Total cost claimed by Operator:		
Stage I on Jan. 1962 MME Form 60	$17,434.53	
Stage II on Mar.-Apr. 1962 MME Form 60	12,738.53	$30,173.06
Exceptions:		
Prior to this review	$ -0-	
Herewith	-0-	-0-
Acceptable cost claimed by Operator		30,173.06
Acceptable costs not claimed		431.45
Total acceptable costs, if claimed		$30,604.51

The contract calls for a 50 percent contribution of the allowable costs by the Government. Therefore, if the project is otherwise accepted as having met the terms of the contract, payments as follows are valid and proper:

Payable on audited claim	$15,086.53
Paid to date	15,156.53
Balance due Government	$ 70.00
Payable, if claimed	$15,302.25
Paid to date	15,156.53
Balance due Operator, if claimed	$ 145.72

DL 10/26/62

SEP 18 1962

E. D. Talbert, OME Auditor

MME FORM 6 REFERENCE SLIP

REV. 2-59 OFFICE OF MINERALS EXPLORATION

TO:	DATE	INITIALS
1. ~~Mr. Fumich~~		
2. Mr. Johnson	9/18	JJ
3. ~~Mr. Selfridge~~ Mr. Hoot	5.1.H.	9.20
4. ~~Mr. Griswold~~ - Mr. Fumich	9/19	
Mr. Selfridge	10-1	
5. ~~320~~ 500		
FROM: E. D. Talbert		

FOR: Check items for action desired

____ Action ____ Reply for signature of ____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions ____ Your information

REMARKS:

INT.-DUP. SEC., WASH., D.C. M56300-59

Reasons for Report of Review in lieu of a final audit:

(a) a major portion ($25,985.60) of the acceptable costs covered work performed at unit rates under independent contract;
(b) a large portion ($5,408.16) of the remainder of the acceptable costs was under a contract provision for contribution by the Government on the basis of fixed unit costs for work performed;
(c) the Monthly Reports were supported by documentary evidence of the acceptable actual costs under the contract; and
(d) the administrative cost to the Government of an audit would be excessive in relation to the estimated amount of possible exceptions.

Costs claimed by Operator:

Stage I

Diamond drilling (8 holes) -				
Overburden from shoreline	166.	ft. @	$4.50	$ 746.97
To 300 ft. depths	3,181.5	ft. @	4.27(av.)	13,586.46
Below 300 ft. depths	50.	ft. @	4.25	212.50
Mobilization				250.00
Sub-total	3,397.5	ft.		14,795.93
Core boxes	80	ea. @	2.75	220.00
Assay determinations -				
Ni	52	ea. @	4.54(av.)	236.00
Co	44	ea. @	5.45(av.)	240.00
Cu, Fe, or S	40	ea. @	1.00	40.00
Incidental allowance	3,397.5	ft. @	.56	1,902.60
				$17,434.53

Stage II

Diamond drilling (6 holes) -				
Overburden from shoreline	20.	ft. @	$4.50	$ 90.00
Overburden from water -				
To 50 ft. depths	101.	ft. @	4.25	429.25
Below 50 ft. depths	91.	ft. @	4.41(av.)	401.25
To 500 ft. depths	2,401.	ft. @	4.10(av.)	9,848.25
Below 500 ft. depths	75.	ft. @	4.38(av.)	328.50
Sub-total	2,688.	ft.		11,097.25
Core boxes	32	ea. @	2.75	88.00
Assay determinations -				
Cu, Fe, or S	32	ea. @	1.50	48.00
Incidental allowance	2,688.	ft. @	.56	1,505.28
				$12,738.53
Total claimed, Stages I and II				$30,173.06

Acceptable costs, if claimed:

Stage I

Diamond drilling (8 holes) -				
Overburden from shoreline	166.17	ft. @	$4.50	$ 747.75
To 500 ft. depths	3,181.33	ft. @	4.29(av.)	13,663.20
Below 500 ft. depths	50.	ft. @	4.25	212.50
Mobilization				250.00
Sub-total	3,397.5			14,873.45*
Core boxes	80	ea. @	2.95(av.)	236.25*
Assay determinations -				
Ni	52	ea. @	4.71(av.)	245.00*
Co	44	ea. @	5.66(av.)	249.00*
Cu, Fe, or S	146	ea. @	1.35(av.)	196.50*
Incidental allowance	3,397.5	ft. @	.56	1,902.60
				$17,702.80

Stage II

Diamond drilling (6 holes) -				
Overburden from shoreline	38	ft. @	$4.50	$ 171.00
Overburden from water -				
To 50 ft. depths	83	ft. @	4.25	352.75
Below 50 ft. depths	91	ft. @	4.50	409.50
To 500 ft. depths	2,401.5	ft. @	4.10(av.)	9,850.40
Below 500 ft. depths	75.	ft. @	4.38(av.)	328.50
Sub-total	2,688.5	ft.		11,112.15*
Core boxes	32	ea. @	3.00	96.00*
Assay determinations -				
Ni	22	ea. @	5.00	110.00*
Co	5	ea. @	6.00	30.00*
Cu, Fe, or S	32	ea. @	1.50	48.00*
Incidental allowance	2,688.5	ft. @	.56	1,505.56
				$12,901.71
Total acceptable, if claimed, Stages I and II				$30,604.51

* The aggregate actual costs invoiced by the drilling contractor (L. & W. Drilling Co., Inc., Rockland, Me.), the core box supplier (Lynwood S. Hilt, Union, Me.), and the assayer (Union Assay Office, Salt Lake City, Utah) follow:

Diamond drilling -				
Overburden -	345.17	ft. @	$4.50	$ 1,535.25
	33.	ft. @	4.25	140.25
BX	6.	ft. @	4.50	27.00
BXWL	1,545.33	ft. @	4.50	6,954.00
AX -	714.	ft. @	4.00	2,856.00

AX - (Cont'd.)	2,818.5	ft. @	$4.10	$11,555.85
	559.	ft. @	4.25	2,375.75
	65.	ft. @	4.40	286.00
Casing left in holes -	275	ft. @	1.70	467.50
	50	ft. @	2.16	108.00
	46	ft. @	2.92	134.32
Bits left in holes	2	ea.		206.27
Reaming	114.5	ft. @	4.50	515.25
Delay time	60.5	hrs.@	6.50	393.25
Sludge sample bags				18.25
Mobilization	1	rig		250.00
				$27,840.94
Core boxes -				
1¼" size	15	ea. @	$2.75	$ 41.25
1 3/8" size	97	ea. @	3.00	291.00
				$ 332.25
Assay determinations -				
Ni -	15	ea. @	$4.00	$ 60.00
	59	ea. @	5.00	295.00
Co -	15	ea. @	5.00	75.00
	34	ea. @	6.00	204.00
Cu -	15	ea. @	1.00	15.00
	58	ea. @	1.50	87.00
Fe -	15	ea. @	1.00	15.00
	34	ea. @	1.50	51.00
S -	15	ea. @	1.00	15.00
	41	ea. @	1.50	61.50
				$ 878.50

Government's Copy

EXPLORATION CONTRACT
ROLAND F. BEERS, INC.
OME-6104

AMENDMENT NO. 7

It is agreed this 11th day of September, 1962, between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter called the "Government," and Roland F. Beers, Inc., hereinafter called the "Operator," that Contract No. 2123 (OME-6104), dated February 16, 1961, as amended, is further amended, effective July 1, 1961, as follows:

1. Page 4 of Exhibit A, Estimated Costs, Stage II, under Category (1) Independent Contracts, Diamond Core Drilling, delete the following words and figures:

"Overburden drilling from ice locations,	
0 to 50-foot depths, 350 feet @ $4.25/ft.	1,487.50
50 to 100-foot depths, 300 feet @ $5.00/ft.	1,500.00"

and substitute in lieu thereof the following words and figures:

"Overburden drilling from water locations	
0 to 50-foot depths, 350 feet @ $4.25/ft.	1,487.50
Below 50-foot depths, 300 feet @ $5.00/ft.	1,500.00"

2. Article 12, Nondiscrimination, of the contract, and paragraph 5 of Amendment No. 1, dated August 16, 1961, is amended and revised to read as follows:

"Article 12, Nondiscrimination. The provisions governing performance of work under Government contracts, as set out in Section 301 of the Executive Order 10925, dated March 6, 1961

McSullivan 9-10-62

App'd. Sol. Off.

Holt

Issued

Talbot

(a copy of which is attached hereto as Exhibit B and by reference hereby incorporated and made a part of this contract), shall be applicable to this contract.

"In compliance with the Rules and Regulations (41 CFR, Section 60-1.3(a)) issued under Executive Order 10925 of March 6, 1961, the Operator is hereby bound and agrees to include in each subcontract which it shall make with a subcontractor or supplier paragraphs (1) through (7) of Section 301 of said Executive Order, unless exempted pursuant to the rules, regulations, and relevant orders of the President's Committee on Equal Employment Opportunity.

"The Operator shall require each of its subcontractors (first tier) to include in every subcontract with each of its subcontractors (second tier) the following clause: The (here identify the second-tier subcontractor by name) shall incorporate by reference in each subcontract or purchase order with a subcontractor or supplier paragraphs (1) through (6) of Section 301 of Executive Order 10925 of March 6, 1961, unless exempted pursuant to the rules, regulations and relevant orders of the President's Committee on Equal Employment Opportunity."

This amendment shall not be construed to increase the amount of any item designated as maximum, the fixed unit cost of any item of work, the estimated total cost of the contract, or the aggregate total amount which the Government may be required to contribute.

Executed in quintuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By Frank E. Johnson
ACTING Director, Office of Minerals Exploration

ROLAND F. BEERS, INC.

By Roland F. Beers

Title President

Presidential Documents

Title 3—THE PRESIDENT

Executive Order 10925

ESTABLISHING THE PRESIDENT'S COMMITTEE ON EQUAL EMPLOYMENT OPPORTUNITY

WHEREAS discrimination because of race, creed, color, or national origin is contrary to the Constitutional principles and policies of the United States; and

WHEREAS it is the plain and positive obligation of the United States Government to promote and ensure equal opportunity for all qualified persons, without regard to race, creed, color, or national origin, employed or seeking employment with the Federal Government and on government contracts; and

WHEREAS it is the policy of the executive branch of the Government to encourage by positive measures equal opportunity for all qualified persons within the Government; and

WHEREAS it is in the general interest and welfare of the United States to promote its economy, security, and national defense through the most efficient and effective utilization of all available manpower; and

WHEREAS a review and analysis of existing Executive orders, practices, and government agency procedures relating to government employment and compliance with existing non-discrimination contract provisions reveal an urgent need for expansion and strengthening of efforts to promote full equality of employment opportunity; and

WHEREAS a single governmental committee should be charged with responsibility for accomplishing these objectives:

NOW, THEREFORE, by virtue of the authority vested in me as President of the United States by the Constitution and statutes of the United States, it is ordered as follows:

PART I—ESTABLISHMENT OF THE PRESIDENT'S COMMITTEE ON EQUAL EMPLOYMENT OPPORTUNITY

SECTION 101. There is hereby established the President's Committee on Equal Employment Opportunity.

SEC. 102. The Committee shall be composed as follows:

(a) The Vice President of the United States, who is hereby designated Chairman of the Committee and who shall preside at meetings of the Committee.

(b) The Secretary of Labor, who is hereby designated Vice Chairman of the Committee and who shall act as Chairman in the absence of the Chairman. The Vice Chairman shall have general supervision and direction of the work of the Committee and of the execution and implementation of the policies and purposes of this order.

(c) The Chairman of the Atomic Energy Commission, the Secretary of Commerce, the Attorney General, the Secretary of Defense, the Secretaries of the Army, Navy and Air Force, the Administrator of General Services, the Chairman of the Civil Service Commission, and the Administrator of the National Aeronautics and Space Administration. Each such member may designate an alternate to represent him in his absence.

(d) Such other members as the President may from time to time appoint.

(e) An Executive Vice Chairman, designated by the President, who shall be *ex officio* a member of the Committee. The Executive Vice Chairman shall assist the Chairman, the Vice Chairman and the Committee. Between meetings of the Committee he shall be primarily responsible for carrying out the functions of the Committee and may act for the Committee pursuant to its rules, delegations, and other directives. Final action in individual cases or classes of cases may be taken and final orders may be entered on behalf of the Committee by the Executive Vice Chairman when the Committee so authorizes.

SEC. 103. The Committee shall meet upon the call of the Chairman and at such other times as may be provided by its rules and regulations. It shall (a) consider and adopt rules and regulations to govern its proceedings; (b) provide generally for the procedures and policies to implement this order; (c) consider reports as to progress under this order; (d) consider and act, where necessary or appropriate, upon matters which may be presented to it by any of its members; and (e) make such reports to the President as he may require or the Committee shall deem appropriate. Such reports shall be made at least once annually and shall include specific references to the actions taken and results achieved by each department and agency. The Chairman may appoint sub-committees to make special studies on a continuing basis.

PART II—NONDISCRIMINATION IN GOVERNMENT EMPLOYMENT

SECTION 201. The President's Committee on Equal Employment Opportunity established by this order is directed immediately to scrutinize and study employment practices of the Government of the United States, and to consider and recommend additional affirmative steps which should be taken by executive departments and agencies to realize more fully the national policy of nondiscrimination within the executive branch of the Government.

SEC. 202. All executive departments and agencies are directed to initiate forthwith studies of current government employment practices within their responsibility. The studies shall be in such form as the Committee may prescribe and shall include statistics on current employment patterns, a review of current procedures, and the recommendation of positive measures for the elimination of any discrimination, direct or indirect, which now exists. Reports and recommendations shall be submitted to the Executive Vice Chairman of the Committee no later than sixty days from the effective date of this order, and the Committee, after considering such reports and recommedations, shall report to the President on the current situation and recommend positive measures to accomplish the objectives of this order.

SEC. 203. The policy expressed in Executive Order No. 10590 of January 18, 1955 (20 F.R. 409), with respect to the exclusion and prohibition of discrimination against any employee or applicant for employment in the Federal Government because of race, color, religion, or national origin is hereby reaffirmed.

SEC. 204. The President's Committee on Government Employment Policy, established by Executive Order No. 10590 of January 18, 1955 (20 F.R. 409), as amended by Executive Order No. 10722 of August 5, 1957 (22 F.R. 6287), is hereby abolished, and the powers, functions, and duties of that Committee are hereby transferred to, and henceforth shall be vested in, and exercised by, the President's Committee on Equal Employment Opportunity in addition to the powers conferred by this order.

PART III—OBLIGATIONS OF GOVERNMENT CONTRACTORS AND SUBCONTRACTORS

SUBPART A—CONTRACTORS' AGREEMENTS

SECTION 301. Except in contracts exempted in accordance with section 303 of this order, all government contracting agencies shall include in every government contract hereafter entered into the following provisions:

"In connection with the performance of work under this contract, the contractor agrees as follows:

"(1) The contractor will not discriminate against any employee or applicant for employment because of race, creed, color, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, creed, color, or national origin. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause.

"(2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor,

state that all qualified applicants will receive consideration for employment without regard to race, creed, color, or national origin.

"(3) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer, advising the said labor union or workers' representative of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

"(4) The contractor will comply with all provisions of Executive Order No. 10925 of March 6, 1961, and of the rules, regulations, and relevant orders of the President's Committee on Equal Employment Opportunity created thereby.

"(5) The contractor will furnish all information and reports required by Executive Order No. 10925 of March 6, 1961, and by the rules, regulations, and orders of the said Committee, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Committee for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

"(6) In the event of the contractor's non-compliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be cancelled in whole or in part and the contractor may be declared ineligible for further government contracts in accordance with procedures authorized in Executive Order No. 10925 of March 6, 1961, and such other sanctions may be imposed and remedies invoked as provided in the said Executive order or by rule, regulation, or order of the President's Committee on Equal Employment Opportunity, or as otherwise provided by law.

"(7) The contractor will include the provisions of the foregoing paragraphs (1) through (6) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the President's Committee on Equal Employment Opportunity issued pursuant to section 303 of Executive Order No. 10925 of March 6, 1961, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the contracting agency may direct as a means of enforcing such provisions, including sanctions for non-compliance: *Provided, however,* that in the event the contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States."

SEC. 302. (a) Each contractor having a contract containing the provisions prescribed in section 301 shall file, and shall cause each of its subcontractors to file, Compliance Reports with the contracting agency, which will be subject to review by the Committee upon its request. Compliance Reports shall be filed within such times and shall contain such information as to the practices, policies, programs, and employment statistics of the contractor and each subcontractor, and shall be in such form, as the Committee may prescribe.

(b) Bidders or prospective contractors or subcontractors may be required to state whether they have participated in any previous contract subject to the provisions of this order, and in that event to submit, on behalf of themselves and their proposed subcontractors, Compliance Reports prior to or as an initial part of their bid or negotiation of a contract.

(c) Whenever the contractor or subcontractor has a collective bargaining agreement or other contract or understanding with a labor union or other representative of workers, the Compliance Report shall include such information as to the labor union's or other representative's practices and policies affecting compliance as the Committee may prescribe: *Provided,* that to the extent such information is within the exclusive possession of a labor union or other workers' representative and the labor union or representative shall refuse to furnish such information to the contractor, the contractor shall so certify to the contracting agency as part of its Compliance Report and shall set forth what efforts he has made to obtain such information.

(d) The Committee may direct that any bidder or prospective contractor or subcontractor shall submit, as part of his Compliance Report, a statement in writing, signed by an authorized officer or agent of any labor union or other workers' representative with which the bidder or prospective contractor deals, together with supporting information, to the effect that the said labor union's or representative's practices and policies do not discriminate on the grounds of race, color, creed, or national origin, and that the labor union or representative either will affirmatively cooperate, within the limits of his legal and contractual authority, in the implementation of the policy and provisions of this order or that it consents and agrees that recruitment, employment, and the terms and conditions of employment under the proposed contract shall be in accordance with the purposes and provisions of the order. In the event that the union or representative shall refuse to execute such a statement, the Compliance Report shall so certify and set forth what efforts have been made to secure such a statement.

SEC. 303. The Committee may, when it deems that special circumstances in the national interest so require, exempt a contracting agency from the requirement of including the provisions of section 301 of this order in any specific contract, subcontract, or purchase order. The Committee may, by rule or regulation, also exempt certain classes of contracts, subcontracts, or purchase orders (a) where work is to be or has been performed outside the United States and no recruitment of workers within the limits of the United States is involved; (b) for standard commercial supplies or raw materials; or (c) involving less than specified amounts of money or specified numbers of workers.

SUBPART B—LABOR UNIONS AND REPRESENTATIVES OF WORKERS

SEC. 304. The Committee shall use its best efforts, directly and through contracting agencies, contractors, state and local officials and public and private agencies, and all other available instrumentalities, to cause any labor union, recruiting agency or other representative of workers who is or may be engaged in work under government contracts to cooperate with, and to comply in the implementation of, the purposes of this order.

SEC. 305. The Committee may, to effectuate the purposes of section 304 of this order, hold hearings, public or private, with respect to the practices and policies of any such labor organization. It shall from time to time submit special reports to the President concerning discriminatory practices and policies of any such labor organization, and may recommend remedial action if, in its judgment, such action is necessary or appropriate. It may also notify any Federal, state, or local agency of its conclusions and recommendations with respect to any such labor organization which in its judgment has failed to cooperate with the Committee, contracting agencies, contractors, or subcontractors in carrying out the purposes of this order.

SUBPART C—POWERS AND DUTIES OF THE PRESIDENT'S COMMITTEE ON EQUAL EMPLOYMENT OPPORTUNITY AND OF CONTRACTING AGENCIES

SEC. 306. The Committee shall adopt such rules and regulations and issue such orders as it deems necessary and appropriate to achieve the purposes of this order, including the purposes of Part II hereof relating to discrimination in government employment.

SEC. 307. Each contracting agency shall be primarily responsible for obtaining compliance with the rules, regulations, and orders of the Committee with respect to contracts entered into by such agency or its contractors, or affecting its own employment practices. All contracting agencies shall comply with the Committee's rules in discharging their primary responsibility for securing compliance with the provisions of contracts and otherwise with the terms of this Executive order and of the rules, regulations, and orders of the Committee pursuant hereto. They are directed to cooperate with the Committee, and to furnish the Committee such information and assistance as it may require in the performance of its functions under this order. They are further directed to appoint or designate, from among the agency's personnel, compliance officers. It shall be the duty of such officers to seek compliance with the objectives of this order by conference, conciliation, mediation, or persuasion.

SEC. 308. The Committee is authorized to delegate to any officer, agency, or employee in the executive branch of the

Government any function of the Committee under this order, except the authority to promulgate rules and regulations of a general nature.

SEC. 309. (a) The Committee may itself investigate the employment practices of any government contractor or subcontractor, or initiate such investigation by the appropriate contracting agency or through the Secretary of Labor, to determine whether or not the contractual provisions specified in section 301 of this order have been violated. Such investigation shall be conducted in accordance with the procedures established by the Commitee, and the investigating agency shall report to the Committee any action taken or recommended.

(b) The Committee may receive and cause to be investigated complaints by employees or prospective employees of a government contractor or subcontractor which allege discrimination contrary to the contractual provisions specified in section 301 of this Order. The appropriate contracting agency or the Secretary of Labor, as the case may be, shall report to the Committee what action has been taken or is recommended with regard to such complaints.

SEC. 310. (a) The Committee, or any agency or officer of the United States designated by rule, regulation, or order of the Committee, may hold such hearings, public or private, as the Committee may deem advisable for compliance, enforcement, or educational purposes.

(b) The Committee may hold, or cause to be held, hearings in accordance with subsection (a) of this section prior to imposing, ordering, or recommending the imposition of penalties and sanctions under this order, except that no order for debarment of any contractor from further government contracts shall be made without a hearing.

SEC. 311. The Committee shall encourage the furtherance of an educational program by employer, labor, civic, educational, religious, and other nongovernmental groups in order to eliminate or reduce the basic causes of discrimination in employment on the ground of race, creed, color, or national origin.

SUBPART D—SANCTIONS AND PENALTIES

SEC. 312. In accordance with such rules, regulations or orders as the Committee may issue or adopt, the Committee or the appropriate contracting agency may:

(a) Publish, or cause to be published, the names of contractors or unions which it has concluded have complied or have failed to comply with the provisions of this order or of the rules, regulations, and orders of the Committee.

(b) Recommend to the Department of Justice that, in cases where there is substantial or material violation or the threat of substantial or material violation of the contractual provisions set forth in section 301 of this order, appropriate proceedings be brought to enforce those provisions, including the enjoining, within the limitations of applicable law, of organizations, individuals or groups who prevent directly or indirectly, or seek to prevent directly or indirectly, compliance with the aforesaid provisions.

(c) Recommend to the Department of Justice that criminal proceedings be brought for the furnishing of false information to any contracting agency or to the Committee as the case may be.

(d) Terminate, or cause to be terminated, any contract, or any portion or portions thereof, for failure of the contractor or subcontractor to comply with the nondiscrimination provisions of the contract. Contracts may be terminated absolutely or continuance of contracts may be conditioned upon a program for future compliance approved by the contracting agency.

(e) Provide that any contracting agency shall refrain from entering into further contracts, or extensions or other modifications of existing contracts, with any non-complying contractor, until such contractor has satisfied the Committee that he has established and will carry out personnel and employment policies in compliance with the provisions of this order.

(f) Under rules and regulations prescribed by the committee, each contracting agency shall make reasonable efforts within a reasonable time limitation to secure compliance with the contract provisions of this order by methods of conference, conciliation, mediation, and persuasion before proceedings shall be instituted under paragraph (b) of this section, or before a contract shall be terminated in whole or in part under paragraph (d) of this section for failure of a contractor or subcontractor to comply with the contract provisions of this order.

SEC. 313. Any contracting agency taking any action authorized by this section, whether on its own motion, or as directed by the Committee, or under the Committee's rules and regulations, shall promptly notify the Committee of such action or reasons for not acting. Where the Committee itself makes a determination under this section, it shall promptly notify the appropriate contracting agency of the action recommended. The agency shall take such action and shall report the results thereof to the Committee within such time as the Committee shall provide.

SEC. 314. If the Committee shall so direct, contracting agencies shall not enter into contracts with any bidder or prospective contractor unless the bidder or prospective contractor has satisfactorily complied with the provisions of this order or submits a program for compliance acceptable to the Committee or, if the Committee so authorizes, to the contracting agency.

SEC. 315. Whenever a contracting agency terminates a contract, or whenever a contractor has been debarred from further government contracts, because of noncompliance with the contractor provisions with regard to nondiscrimination, the Committee, or the contracting agency involved, shall promptly notify the Comptroller General of the United States.

SUBPART E—CERTIFICATES OF MERIT

SEC. 316. The Committee may provide for issuance of a United States Government Certificate of Merit to employers or employee organizations which are or may hereafter be engaged in work under government contracts, if the Committee is satisfied that the personnel and employment practices of the employer, or that the personnel, training, apprenticeship, membership, grievance and representation, upgrading and other practices and policies of the employee organization, conform to the purposes and provisions of this order.

SEC. 317. Any Certificate of Merit may at any time be suspended or revoked by the Committee if the holder thereof, in the judgment of the Committee, has failed to comply with the provisions of this order.

SEC. 318. The Committee may provide for the exemption of any employer or employee organization from any requirement for furnishing information as to compliance if such employer or employee organization has been awarded a Certificate of Merit which has not been suspended or revoked.

PART IV—MISCELLANEOUS

SECTION 401. Each contracting agency (except the Department of Justice) shall defray such necessary expenses of the Committee as may be authorized by law, including section 214 of the Act of May 3, 1945, 59 Stat. 134 (31 U.S.C. 691): *Provided*, that no agency shall supply more than fifty per cent of the funds necessary to carry out the purposes of this order. The Department of Labor shall provide necessary space and facilities for the Committee. In the case of the Department of Justice, the contribution shall be limited to furnishing legal services.

SEC. 402. This order shall become effective thirty days after its execution. The General Services Administration shall take appropriate action to revise the standard Government contract forms to accord with the provisions of this order and of the rules and regulations of the Committee.

SEC. 403. Executive Order No. 10479 of August 13, 1953 (18 F.R. 4899), together with Executive Orders Nos. 10482 of August 15, 1953 (18 F.R. 4944), and 10733 of October 10, 1957 (22 F.R. 8135), amending that order, and Executive Order No. 10557 of September 3, 1954 (19 F.R. 5655), are hereby revoked, and the Government Contract Committee established by Executive Order No. 10479 is abolished. All records and property of or in the custody of the said Committee are hereby transferred to the President's Committee on Equal Employment Opportunity, which shall wind up the outstanding affairs of the Government Contract Committee.

JOHN F. KENNEDY

THE WHITE HOUSE,
March 6, 1961.

[F.R. Doc. 61-2093; Filed, Mar. 7, 1961; 10:06 a.m.] 90048

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
8/6		500

August 6, 1962

Memorandum to the File

From: S. P. Holt, Mining Engineer
Division of Minerals

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

JUSTIFICATION FOR AMENDMENT NO. 7

When certain holes (Nos. E-48-1 and A-0-1), authorized under Stage II of the contract to be drilled from the ice on Crawford Pond and Alford Lake, came to be drilled, it was found that the drilling would be done from a barge instead of from the ice. Amendment No. 7 has been prepared to authorize the change from ice to water locations, also to authorize overburden drilling below 100-foot depths.

Stephen P. Holt

Stephen P. Holt

43683

Government's Copy

EXPLORATION CONTRACT
ROLAND F. BEERS, INC.
OME-6104

AMENDMENT NO. 6

It is agreed this 27th day of February, 1962, between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter called the "Government," and Roland F. Beers, Inc., hereinafter called the "Operator," that Contract No. 2123 (OME-6104), dated February 16, 1961, as amended, is further amended, effective January 29, 1962, as follows:

1. In Exhibit "A", Description of the Work, Stage II, the second paragraph, as amended by Amendments Nos. 4 and 5, is further amended by changing the last sentence thereof to read as follows:

> "Any of the 5,240 feet not drilled in the Crawford Pond and Alford Lake locations may as approved by the Government be used to drill further the southern extension of the Harriman Tract mineralized zone between Traverses 17.5 and 24.0 South."

This amendment shall not be construed to increase the amount of any item designated as maximum, the fixed unit cost of any item of work, the estimated total cost of the contract, or the aggregate total amount which the Government may be required to contribute.

Executed in quintuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By George Turnich Jr.
Director, Office of Minerals Exploration

Sellers
Brown
App'l. Sol., O.M.
Holt
Jerome
Fallert
Selfridge
Johnson

ROLAND F. BEERS, INC.

By Roland F. Beers

Title President

February 26, 1962

EXPLORATION CONTRACT
ROLAND F. BEERS, INC.
OME-6104

JUSTIFICATION FOR AMENDMENT NO. 6

Amendment No. 5 authorized the drilling of certain holes between traverse 18.5 S and 24.0 S in the Harriman Tract area.

After Amendment No. 5 had been prepared and signed by the Government and the Operator, the latter, by letter of February 16, 1962, stated that a stenographic error had been made in its request for Amendment No. 5, and that the figures 18.5S - 0.75E should have been 17.5S - 0.75E.

Amendment No. 6 has been prepared to correct the error.

S. P. Holt, Mining Engineer
Division of Minerals

Government's Copy

EXPLORATION CONTRACT
ROLAND F. BEERS, INC.
OME-6104

Seller
Brown

AMENDMENT NO. 5

App'd. Sol. Off.
Holt
Talbutt
Selfridge
Johnson

It is agreed this 16th day of February, 1962, between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter called the "Government," and Roland F. Beers, Inc., hereinafter called the "Operator," that Contract No. 2123 (OME-6104), dated February 16, 1961, as amended, is further amended, effective January 29, 1962, as follows:

1. In Exhibit A, Description of the Work, Stage II, the second paragraph, as amended by Amendment No. 4, is amended by adding the following sentence thereto:

> "Any of the 5,240 feet not drilled in the Crawford Pond and Alford Lake locations may as approved by the Government be used to drill further the southern extension of the Harriman Tract mineralized zone between Traverses 18.5 and 24.0 South."

Change to 19.5

This amendment shall not be construed to increase the amount of any item designated as maximum, the fixed unit cost of any item of work, the estimated total cost of the contract, or the aggregate total amount which the Government may be required to contribute.

Executed in quintuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By George Turnich Jr.
Director, Office of Minerals Exploration

ROLAND F. BEERS, INC.

By Roland F. Beers

Title Pres

February 7, 1962

EXPLORATION CONTRACT
ROLAND F. BEERS, INC.
OME-6104

JUSTIFICATION FOR AMENDMENT NO. 5

The Operator has requested permission to drill four vertical holes, depths 300 to 400 feet each, to further test mineralization indicated by geophysical surveys and prior drilling between traverses 18.5 and 24.0 S in the Harriman Tract area.

Considering that this drilling requested by the Operator may result in the discovery of large additional reserves of nickel-copper ore, and that the drilling can be done without increasing the estimated total cost of the contract and, hence, be to the interest of the Government, Amendment No. 5 has been prepared to authorize the requested drilling.

S. P. Holt

S. P. Holt, Mining Engineer

Government's Copy

EXPLORATION CONTRACT
ROLAND F. BEERS, INC.
OME-6104

AMENDMENT NO. 4

Dolley
Brown
App'd. Sol. Off.
Holt
Talbutt
Selfridge
Johnson

It is agreed this 21st day of November, 1961, between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter called the "Government," and Roland F. Beers, Inc., hereinafter called the "Operator," that Contract No. 2123 (OME-6104), dated February 16, 1961, as amended, is further amended, effective July 1, 1961, as follows:

1. In Exhibit A, Description of the Work, Stage II, delete the second paragraph in its entirety, replacing it with a paragraph to read:

> "Diamond core drill from the surface, as approved by the Government, approximately 11 holes at Crawford Pond and three holes at Alford Lake not to exceed 5,240 feet in aggregate footage at such attitudes and locations as to test for the continuations of the ore present or indicated at the mineralized zones."

This amendment shall not be construed to increase the amount of any item designated as maximum, the fixed unit cost of any item of work, the estimated total cost of the contract, or the aggregate total amount which the Government may be required to contribute.

Executed in quintuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By George Turnick
Director, Office of Minerals Exploration

ROLAND F. BEERS, INC.

By Roland F. Beers

Title President

November 14, 1961

Exploration Contract
Roland F. Beers, Inc.
OME-6104

JUSTIFICATION FOR AMENDMENT NO. 4

The Operator requested permission to drill two holes, for which calculations had not been completed, to ~~be located~~ 100 feet west and 100 feet east of the 4.2 (E.) point on the 50 S. coordinate in the Crawford Pond area.

As only one vertical hole had been stipulated under Stage II, it is necessary to amend the contract if the change in drilling is to be permitted.

Considering that drilling as requested by the Operator will lead to better understanding of the attitude of the mineral deposit, at no extra cost and, hence, be to the interest of the Government, Amendment No. 4 has been prepared to authorize the requested change in drilling.

Stephen P. Holt

Stephen P. Holt

Government's Copy

Solicitor
Brown
App'd. Sol. Off.
Holt
Talbert
Selfridge
Johnson

EXPLORATION CONTRACT
ROLAND F. BEERS, INC.
OME-6104

AMENDMENT NO. 3

It is agreed this 13th day of October, 1961, between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter referred to as the "Government," and Roland F. Beers, Inc., hereinafter referred to as the "Operator," that Contract No. 2123 (OME-6104), dated February 16, 1961, as amended, is further amended, effective September 21, 1961, as follows:

1. In Exhibit A, Description of the Work, Stage I, as amended by Amendment No. 1, add the following as a new unnumbered paragraph:

"In addition to the holes stipulated above, drill two inclined holes at locations and with directions, bearings, inclinations, and depths approximately as follow:

Hole No. E55-2
Collar at coordinates 54.9 S., 5.1 E.
Bearing, N. 72° W.
Inclination, -45°
Approximate depth, 450 feet

Hole No. E55-3
Collar at coordinates 54.9 S., 5.1 E.
Bearing, N. 72° W.
Inclination, -77°
Approximate depth, 450 feet"

This amendment shall not be construed to increase the amount of any item designated as maximum, the fixed unit cost of any item of work, the estimated total cost of the contract, or the aggregate total amount which the Government may be required to contribute.

Executed in quintuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By George Turnick
Director, Office of Minerals Exploration

ROLAND F. BEERS, INC.

By Roland F. Beers

Title President

October 9, 1961

OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

JUSTIFICATION FOR AMENDMENT NO. 3

The Operator requested permission to drill two additional holes under Stage I of the contract, at coordinate 55 South, to confirm the results of drilling done in Hole E55-1, and in consideration of the location of the electro-magnetic cross-over at coordinates 55 S., 3.60 E.

Considering that drilling the two holes will lead to better understanding of the attitude of the mineral deposit and serve to tie in the results with geophysical data, hence be to the interest of the Government, Amendment No. 3 has been prepared to authorize the drilling requested.

Sufficient drilling footage, with its attendant costs, remains authorized but unused under Stage I of the contract, so that the work can be done without increasing the cost of the contract or the Government's contribution thereto.

Stephen P. Holt

Stephen P. Holt

Government's Copy

EXPLORATION CONTRACT
ROLAND F. BEERS, INC.
OME-6104

AMENDMENT NO. 2

It is agreed this 8th day of September, 1961, between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter referred to as the "Government," and Roland F. Beers, Inc., hereinafter referred to as the "Operator," that Contract No. 2123 (OME-6104), dated February 16, 1961, as amended, is further amended, effective July 1, 1961, as follows:

1. In Article 1 of the contract the period for completion of the work is changed from "within 8 months from the date of the contract" to "within 16 months from the date of the contract."

2. In Article 7(b)(2) of the contract the period for repayment is changed from 15 years to 16 years from the date of the contract.

3. In Exhibit A, General Conditions, change the period (.) at the end of the second paragraph to a comma (,) and add "except where the mineral assemblage is of such uniformity that longer hole intervals are feasible and warranted and have the approval of the Government."

4. In Exhibit A, Description of the Work, Stage II, delete the second paragraph in its entirety, replacing it with a paragraph to read:

"Approximately at the sites indicated on Figures 3 and 4 in red color, diamond core drill from the surface not to exceed 5,240 feet in approximately 8 inclined and/or vertical holes designed to intersect the Crawford Pond mineralized zone, and 3 inclined and/or vertical holes designed to intersect the Alfred Lake mineralized zone."

This amendment shall not be construed to increase the amount of any item designated as maximum, the fixed unit cost of any item of work, the estimated total cost of the contract, or the aggregate total amount which the Government may be required to contribute.

Amendment
No. 2

Executed in quintuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By George Fumich Jr.
Director, Office of Minerals Exploration

App'd. as to form
Holt
Brown
Fallert
Selfridge

ROLAND F. BEERS, INC.

By Roland F. Beers

Title President

EXPLORATION CONTRACT
ROLAND F. BEERS, INC.
OME-6104

JUSTIFICATION FOR AMENDMENT NO. 2

When this contract was executed, both the Operator and the Government recognized the fact that work under the contract might not be completed within the period stipulated, and agreed (see letter of February 16, 1961) that the completion period could be extended, if necessary, upon request of the Operator.

Due to severe winter weather and a later than usual "ice-out" date, the Operator finds it necessary to request extension of the period for completion of the work, and has so requested by letter of August 16, 1961.

Amendment No. 2 changes the period for completion of the work from 8 months to 16 months from the date of the contract; also changes the repayment period from 15 years to 16 years from the date of the contract.

Stephen P. Holt

Stephen P. Holt

Government's Copy

EXPLORATION CONTRACT
ROLAND F. BEERS, INC.
OME-6104

AMENDMENT NO. 1

It is agreed this 16th day of August, 1961, between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter referred to as the "Government," and Roland F. Beers, Inc., hereinafter referred to as the "Operator," that Contract No. 2123 (OME-6104), dated February 16, 1961, is amended, effective July 1, 1961, as follows:

1. In Exhibit A, Description of the Work, Stage I, add the following paragraph:

In addition to the holes stipulated above, drill an inclined hole from the shoreline approximately N. 72° W. minus 41° to a depth of 450 feet at coordinates 61.75 South plus 4.70 East.

2. In Exhibit A, Description of the Work, Stage II, second paragraph, fourth line, change Fig. 4 to Fig. 3.

3. In Exhibit A, Estimated Costs, Stage I, Category (1), third line, change "land" to "shoreline."

4. In Exhibit A, Estimated Costs, Stage II, Category (1), third line, change "land" to "shoreline."

5. Article 12, Nondiscrimination, of the contract is hereby deleted and the following is added to the contract in substitution therefor:

"In connection with the performance of work under this contract, the Operator agrees as follows:

"(1) The operator will not discriminate against any employee or applicant for employment because of race, creed, color, or national origin. The operator will take affirmative action to ensure that applicants are employed, and that

employees are treated during employment, without regard to their race, creed, color, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The operator agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause.

"(2) The operator will, in all solicitations or advertisements for employees placed by or on behalf of the operator, state that all qualified applicants will receive consideration for employment without regard to race, creed, color, or national origin.

"(3) The operator will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer, advising the said labor union or workers' representative of the operator's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

"(4) The operator will comply with all provisions of Executive Order No. 10925 of March 6, 1961, and of the rules, regulations, and relevant orders of the President's Committee on Equal Employment Opportunity created thereby.

"(5) The operator will furnish all information and reports required by Executive Order No. 10925 of March 6, 1961, and by the rules, regulations, and orders of the said Committee, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Committee for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

"(6) In the event of the operator's non-compliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be cancelled in whole or in part and the operator may be declared ineligible for further government contracts in accordance with procedures authorized in Executive Order No. 10925 of March 6, 1961, and such other sanctions may be imposed and remedies invoked as provided in the said Executive

order or by rule, regulation, or order of the President's Committee on Equal Employment Opportunity, or as otherwise provided by law.

"(7) The Operator will include the provisions of the foregoing paragraphs (1) through (6) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the President's Committee on Equal Employment Opportunity issued pursuant to section 303 of Executive Order 10925 of March 6, 1961, so that such provisions will be binding upon each subcontractor or vendor. The operator will take such action with respect to any subcontract or purchase order as the contracting agency may direct as a means of enforcing such provisions, including sanctions for non-compliance: Provided, however, that in the event the operator becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the operator may request the United States to enter into such litigation to protect the interests of the United States."

This amendment shall not be construed to increase the amount of any item designated as maximum the fixed unit cost of any item of work, the estimated total cost of the contract, or the aggregate total amount which the Government may be required to contribute.

Executed in quintuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

App'd. Sol. Off.

By George Turnich
Director, Office of Minerals Exploration

Holt
Fernald
Talbert
Johnson

ROLAND F. BEERS, INC.

By Roland F. Beers

Title President

Government's Copy

Seber

MME Form 50
Feb. 1959

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

EXPLORATION CONTRACT
(Long Form)

Docket No.	Commodity	Contract No.	County	State
OME-6104	Nickel	14-23-090-2123	Knox	Maine

It is agreed 16 FEB 1961 (Date), between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter called the "Government," and

Roland F. Beers, Inc., a New York corporation

P. O. Box 23, Alexandria, Virginia (letter 8/23/61)

whose mailing address is ~~P. O. Box 1019, Troy, New York~~, hereinafter called the "Operator," as follows:

ARTICLE 1. Authority and scope.--(a) This contract, entered into under the authority of Public Law 701, 85th Cong., 2d sess. (72 Stat. 700; 30 U.S.C. § 641 - 646), consists of this form, the attached Annex I (land description), Exhibit A (work and costs), and the maps and documents listed. The work is a search for new or unexplored deposits of the commodity designated above. The Operator shall begin the work on or before 1 MAY 1961 (Date), and, subject to the provisions of Article 9 and Exhibit A, shall either have completed the work within 8 months from the date of the contract or shall have incurred allowable costs (see Article 6) in a sum not less than the total cost set forth in Exhibit A.

(b) The total allowable cost of the work set forth in Exhibit A is $48,186.00. The Government will contribute 50 percent of the allowable costs as they are incurred, in a total sum not in excess of $24,093.00 in accordance with the provisions of Articles 3, 4, 5, and 6. "Costs incurred" means costs that have been paid or have become due and payable, or that the Government determines have become obligations.

(c) Interest computation.--Simple interest computed annually at the rate of 6 percent shall accrue from the dates Federal funds are made available until the period specified for payment of royalty expires, or until the amount of Federal funds contributed is fully repaid with interest.

(d) The Operator shall not transfer or assign this contract or any right or obligation thereunder without the written consent of the Government.

ARTICLE 2. Operator's rights in land.--(a) The Operator represents and undertakes that Annex I correctly describes the land which is the subject of this contract and the nature of the Operator's right of property and possession therein (whether as owner, lessee, or otherwise), and that such right, title, or interest is subject only to the following claims, liens, or encumbrances:

Interests of Lessors and the State of Maine

(b) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above and (if the Operator does not hold the legal title) the lien agreement of any holder of the legal title of the land (lessor, seller, optionor, etc.) are attached as follows:

A Performance Bond is attached in lieu of Lien and Subordination Agreements of the owners.

(c) The Operator shall preserve and maintain his right, title, or interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. The Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a royalty on production and liens for the payment thereof. Two true copies of such instrument shall be furnished to the Government. If the Government's rights to royalty as provided in Article 7 have been terminated, the provisions of this paragraph (c) shall become inapplicable.

ARTICLE 3. Performance of the work.--(a) Operator's responsibility.--The work shall be performed diligently, efficiently, in a workmanlike manner in accordance with good mining standards, and in compliance with State laws governing health, safety, and liability insurance covering employment. The Operator shall provide suitable and adequate equipment, facilities, materials, supplies, and labor to complete the work as specified in Article 1(a).

(b) Independent contracts.--To the extent that the allowable costs are estimated in Exhibit A with express reference to performance by independent contractors on a unit-price basis (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations), the work may be so performed (see Article 6(a), Category (1)). Any such independent contract shall refer to some specific and identifiable part of the work, and shall be subject to all of the pertinent terms and conditions of this exploration contract; but the Government shall not be considered a party thereto, and its rights under this contract, including the right to terminate its contributions, shall not be affected thereby. Regardless of the provisions of any such independent contract, the Government will participate in payments to the independent contractor only as to work performed in accordance with the provisions of this exploration contract, and only to the extent that the Government deems the unit prices for the work under the independent contract to be reasonable.

(c) Government may inspect.--The Operator shall consult with and inform the Government on all phases of the work as it progresses. The Government may enter at all reasonable times to inspect the work under the contract and production operations during the period that royalty is payable to the Government. The Operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 4. Contribution by the Government.--(a) The Government will make its contribution on the basis of the monthly vouchers referred to in Article 5(b), but all payments by the Government are provisional only, subject to audit. Until the account between the Operator and the Government is finally audited and settled and the Operator's final report has been received, the Government may withhold such sums as are necessary to protect its interests. The Government may make payments for the account of the Operator directly to independent contractors and suppliers rather than to the Operator.

ARTICLE 5. Reports, accounts, audits.--(a) Operator's records.--The Operator shall keep suitable records and accounts of the work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine all pertinent books, documents, papers, and records of the Operator. If work under this contract is carried on in conjunction with any other operations, or if labor, supervision, services, materials, supplies, equipment, facilities, or other requirements for carrying on the work are also used in connection with other operations, the costs shall be segregated and accounted for on a basis and by methods and accounts that are satisfactory to and approved by the Government.

(b) Monthly reports.--The Operator shall provide the Government with five copies of monthly reports in three sections as follows:

(1) Operator's Monthly Voucher claiming costs for work performed;

(2) Operator's Progress Report showing the number of units of the various types of work performed; and

(3) a narrative report of the work performed during the reporting period, including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground.

(Forms for reporting under (1) and (2) above will be provided by the Government.)

(c) Final report.--Upon completion of the work or termination of the Government's obligation to contribute to costs, the Operator shall furnish the Government with five copies of a final report (in addition to the final monthly report). This final report shall include a geological and engineering evaluation of the results of the work performed under the contract with an estimate of the ore reserves resulting from such work, complete assay data, adequate geological and engineering maps or sketches, and a summary of the work performed and the related costs.

(d) Report of sales.--The Operator shall provide the Government with suitable accounting and documentary evidence covering all production to which the Government's royalty relates, such as copies of smelter or concentrator settlement sheets and certified accounts of production and sale or other disposition of production.

(e) Compliance with requirements.--If the Government determines that any of the Operator's reports, records, or accounts are insufficient or incomplete, or if the Operator fails to make them, the Government may procure the preparation or completion of the same with suitable attachments as an expense of the work to which the Operator shall contribute. The Government may withhold approval and payment of any vouchers relating to insufficient or incomplete reports, records, or accounts.

ARTICLE 6. Costs.--(a) Allowable costs.--The allowable costs of the work to which the Government will contribute are limited to:

(1) the necessary, reasonable, and direct actual costs that are estimated in Exhibit A by categories as specified in this article; and

(2) fixed costs for units of work to be performed (per foot, per hour, etc.) agreed upon in lieu of actual costs and set forth in Exhibit A.

The Government will not contribute to costs under any category or subcategory omitted from the estimate of costs in Exhibit A. Any excess over any estimate which is indicated as the maximum of any category, subcategory, or item, either as to requirement or related cost; any excess over a fixed unit cost; and any excess over the total allowable cost of the work are not allowable. The Operator shall incur such excesses for his own account without contribution by the Government, but the Operator is not obligated to incur more than his agreed percentage of the total allowable cost of the work.

Any category or subcategory or element thereof not designated as a maximum in this article or in Exhibit A may be exceeded, provided that the total allowable cost of the work, which is a maximum, is not exceeded.

CATEGORY (1)--INDEPENDENT CONTRACTS.--(See Article 3(b)). The total of this category and the average unit cost estimated for each type of work to be performed under an independent contract are maximums.

CATEGORY (2)--PERSONAL SERVICES.

Subcategory (a)--Supervision and Technical Services--All elements of this subcategory (number of supervisors, technicians, outside consultants, periods of employment, rates of pay, and total) are maximums.

Subcategory (b)--Labor.

CATEGORY (3)--OPERATING MATERIALS AND SUPPLIES.--Includes such items as drill bits and steel, explosives, fuel, pipe, power, timber, rail, and small tools costing less than $50 each.

CATEGORY (4)--OPERATING EQUIPMENT.

Subcategory (a)--Rental.--The number of each rented item [6 mine cars, 1 truck], the rate of rental [$100 per month, $5 per hour], and the total of this subcategory are maximums.

Subcategory (b)--Purchases.--The total of this subcategory is a maximum.

Subcategory (c)--Depreciation.--All elements of this subcategory (time periods, rate of depreciation, and subcategory total) are maximums.

CATEGORY (5)--INITIAL REHABILITATION AND REPAIRS.--Costs of items listed under this category include all requirements, such as labor, materials and supplies, and supervision at a rate not higher than provided for in Category (2), and shall not be duplicated under any other category. The total of this category is a maximum.

Subcategory (a)--Initial rehabilitation and repairs of existing buildings, fixtures, and installations (exclusive of mine workings).--The total of this subcategory is a maximum.

Subcategory (b)--Initial rehabilitation and repairs of operating equipment.--The total of this subcategory is a maximum.

CATEGORY (6)--NEW BUILDINGS, FIXTURES, AND INSTALLATIONS (EXCLUSIVE OF MINE WORKINGS).--Costs of items listed under this category include all requirements, such as labor, materials and supplies, and supervision at a rate not higher than provided for in Category (2), and shall not be duplicated under any other category. The total of this category is a maximum.

CATEGORY (7)--MISCELLANEOUS.--Includes requirements and costs that do not fall within any of the first six categories, such as repairs other than initial and maintenance of operating equipment, analytical work, prints and other reproductions, accounting, Operator's share of payroll taxes, liability insurance covering employment, travel, and communications.

(b) Nonallowable costs.--The Government will not contribute to the following costs:

(1) Costs of the land, such as rental, depreciation, depletion, or other costs of acquiring, owning, or holding possession;

(2) Indirect costs, such as general overhead, corporate management, interest, taxes (other than payroll and sales taxes), insurance (other than liability insurance covering employment), damages to persons, damages to property (other than necessary repairs or replacements of equipment or other property used in the work);

(3) Previous work performed or costs incurred before the date of this contract; and

(4) Deferred payments.--Any costs incurred by the Operator under any rental-purchase agreement, installment-purchase agreement, or any agreement for the purchase of goods under the provisions of which payment of the full purchase price is deferred more than 90 days from the delivery of the goods, unless the purchase agreement is approved by the Government in writing.

(c) Reductions in costs.--The Operator shall account for and give the Government credit for any incidental benefits, credits, or money received in the ordinary course of business in prosecuting the work (as by salvage or sale of materials or equipment, furnishing of room or board, furnishing of power or services to third persons, rebates or discounts on purchases, etc.), in the same ratio in which the Government contributes to costs; and such amounts shall be treated as a reduction in costs incurred so that they are available for use within the limit of the original total cost. This provision does not apply to receipts from production which are subject to the Government's royalty under the provisions of Article 7.

ARTICLE 7. Repayment by Operator.--(a) Certification.--If the Government considers that mineral or metal production from the land covered by the contract may be possible as a result of the exploration work, it shall so certify in writing to the Operator at any time not later than six months after a sufficient final report and final accounting (see Article 5) have been furnished.

(b) Royalty on production.--The Operator, whether or not the producer (for example, if the Operator either transfers or does not retain his interest in the land), shall pay to the Government a royalty on all minerals and metals mined or produced from the land as follows:

(1) irrespective of any certification of possible production--from the date of the contract until the lapse of the time within which the Government may issue such certification or until the total net amount contributed by the Government is fully repaid with interest, whichever occurs first; or

(2) if the Government issues a certification of possible production--for a period of 15 years from the date of the contract, or until the total net amount contributed by the Government is fully repaid with interest, whichever occurs first.

(c) Payment of royalty.--(1) The Government's royalty shall be five percent of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrate, metal, or equivalent), at the point of delivery (the f.o.b. point); except, that charges of the buyer arising in the regular course of business and shown as deductions on the buyer's settlement sheets (such as treatment processes performed by the buyer, sampling and assaying to determine the value of the production sold, and freight payable by the buyer to a carrier (not the Operator)), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. No costs of the Operator are deductible in arriving at the "gross proceeds" as that term is here used.

The term "treatment processes" means those processes (such as milling, concentrating, smelting, refining, or equivalent, but excluding fabricating or manufacturing) applied to the crude ore or other production after it is extracted from the ground to put it into a commercially marketable form.

(2) The Government's royalty shall be computed and paid currently upon each lot sold, held, or used in integrated operations, as the case may be.

(d) Unsold production.--If any production (ore, concentrate, metal, or equivalent), after the lapse of six months from the date the ore was extracted from the ground, remains neither sold nor used by the Operator in integrated manufacturing or fabricating operations (for instance, if it is stockpiled), the Government, at its option, as long as it so remains, may require the computation and payment of its royalty on the value of such production in the form (ore, concentrate, metal, or equivalent) it is in when the Government elects to require computation and payment. If any production is used by the Operator in integrated manufacturing or fabricating operations before the Government makes its election, the Government's royalty on such production shall be computed on the value thereof in the form in which and at the time it is so used. "Value" as here used means what is or would be gross income from mining operations for percentage depletion purposes in Federal income tax determination or the market value, whichever is greater.

Article 76(2)

(e) Lien for payment.--To secure the payment of royalty (see Article 7(b)), the Operator hereby grants to the Government a lien upon his interest in the land and upon any production of minerals and metals therefrom until the royalty claim is extinguished by lapse of time or is fully paid.

(f) Notice to purchasers.--The Operator shall give notice of the Government's claim for royalty to any purchaser of the production, and shall authorize and direct such purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets. If the records of any production and sales or other disposition of production, whether the production is by the Operator or by others, are not made available to the Government, the amount of the royalty may be estimated by the Government, and this estimate shall be final and binding upon the Operator.

(g) No obligation to produce.--Nothing in this contract shall be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

(h) Government not obligated to buy.--Nothing in this contract shall be construed as imposing any obligation on the Government to purchase any minerals and metals mined or produced from the land.

ARTICLE 8. Interests in purchased property.--(a) Title and ownership.--All costs under this contract shall be incurred by the Operator in the Operator's own name and for the Operator's own account; but any property acquired to the cost of which the Government contributes shall belong to the Operator and the Government jointly in proportion to their respective contributions although title thereto shall be taken in the name of the Operator.

(b) Preservation of property.--Until the final disposal of any property in which the Government has an interest, the Operator shall preserve and protect same for the best interest of the Government, and any reasonable and necessary cost thereof will be treated as an allowable cost of the exploration. After the completion of the work, termination of the Government's obligation to contribute, or when such property is not being used for the work, the Operator shall not use it elsewhere without the written consent of the Government and without paying a reasonable rental to be fixed by the Government for its proportionate interest.

(c) Disposal of property.--Upon the completion of the work, termination of the Government's obligation to contribute to costs, or when the property is no longer needed for the work, the Operator shall promptly dispose of salable or salvageable property in which the Government has an interest for the joint account of the Government and the Operator, either by return to the vendor, sale to others, purchase by the Operator, or sale or transfer to the Government at a price at least as high as could be obtained from others, unless the Government in writing waives its interest in any such property. Without advance approval of the sales price by the Government, the Operator shall not sell at any price any item of property that cost more than $500, and shall not sell at less than 25 percent of the purchase price any item of property that cost $500 or less. The Government, in lieu of approving the sales price for any such item, may itself purchase the item at the best price which the Operator is able to obtain or offers. Property remaining upon any termination of the work shall be considered in groups or categories (such as drill steel, explosives, pipe, or rail), and if the original cost of the remaining unexpended portion of any such group or category is less than $50, the Government waives its interest therein. If necessary to accomplish the disposal of any item, the Operator shall dismantle and sever it from the land, the cost thereof to be treated as a cost of the exploration.

(d) Default of the Operator re disposal.--If within 90 days after the completion of the work, termination of the Government's obligation to contribute to costs, or after the property is no longer needed for the work, the Operator has failed to sell or otherwise liquidate or dispose of any property in which the Government has an interest, the Government, at any time prior to final settlement under the contract, may:

(1) in writing extend the time within which the Operator must dispose of or liquidate the property;

(2) by written notice to the Operator, place upon such property what it determines to be a fair valuation thereof, not in excess of the cost less 1.66 percent per month from the date such property was purchased under this contract to the termination of said 90-day period; and such property shall thereupon be considered and accounted for as having been purchased by the Operator at the valuation so fixed by the Government; and

(3) enter and take possession of such property wherever it may be found, and remove and dispose of it for the joint account of the parties.

ARTICLE 9. Termination of the Government's obligations.--(a) If the Government determines that operations at any time have failed to achieve anticipated results and further work is not justified, the Government may give the Operator written notice thereof, and thereupon:

(1) the Government shall be free of all obligation to contribute to costs not then incurred other than such as may be allowable under the provisions of the contract as necessary and incidental to final accounting and reporting; and

(2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to final accounting and reporting.

(b) If the Government determines that the Operator is in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon:

(1) the Government shall be relieved of all obligation to contribute to costs not incurred when the notice was given, other than such as may be allowable by the provisions of the contract as necessary and incidental to final accounting and reporting; and

(2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to final accounting and reporting.

The Government may also avail itself of any other remedy the law may provide for breach of contract, including the right to rescind the contract and to demand repayment of all moneys contributed by the Government under the contract.

(c) The giving of any notice by the Government under the provisions of this Article 9 shall not affect the Government's rights as provided for in the contract with respect to royalty and liens to secure the payment thereof, and such rights shall be fully preserved.

(d) The determinations of the Government are subject to appeal under Article 13.

ARTICLE 10. Notices to be given by the Government may be delivered to the Operator, or may be sent by certified mail addressed to the Operator at his mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 11. Officials not to benefit.--No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 12. Nondiscrimination.--In connection with the performance of work under this contract, the Operator agrees not to discriminate against any employee or applicant for employment because of race, religion, color, or national origin. The aforesaid provision shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Operator agrees to post hereafter in conspicuous places, available for employees and applicants for employment, notices to be provided by the Government setting forth the provisions of the nondiscrimination clause.

The Operator further agrees to insert the foregoing provision in all subcontracts hereunder, except subcontracts for standard commercial supplies or raw materials.

ARTICLE 13. Disputes.--Any dispute arising under this contract which is not disposed of by agreement shall be decided by the Director, Office of Minerals Exploration, who shall reduce his decision to writing and mail or otherwise furnish a copy thereof to the Operator. The decision of the Director, Office of Minerals Exploration, shall be final and conclusive unless, within 30 days from the date of receipt of such copy, the Operator mails or otherwise furnishes to the Director, Office of Minerals Exploration, a written appeal addressed to the Secretary. The decision of the Secretary or his duly authorized representative for the determination of such appeals shall be final and conclusive unless determined by a court of competent jurisdiction to have been fraudulent, or capricious, or arbitrary, or so grossly erroneous as necessarily to imply bad faith, or not supported by substantial evidence.

The term "Director, Office of Minerals Exploration," as used herein includes his duly authorized representative.

ARTICLE 14. Eight-Hour Law of 1912--Overtime compensation.--This contract, to the extent that it is of a character specified in the Eight-Hour Law of 1912, as amended (40 U. S. Code 324—326) and is not covered by the Walsh-Healey Public Contracts Act (41 U. S. Code 35—45), is subject to the following provisions and exceptions of said Eight-Hour Law of 1912, as amended, and to all other provisions and exceptions of said Law:

No laborer or mechanic doing any part of the work contemplated by this contract, in the employ of the Operator or any independent contractor contracting for any part of said work contemplated, shall be required or permitted to work more than eight hours in any one calendar day upon such work, except upon the condition that compensation is paid to such laborer or mechanic in accordance with the provisions of this clause. The wages of every laborer and mechanic employed by the Operator or any independent contractor engaged in the performance of this contract shall be computed on a basic day rate of eight hours per day; and work in excess of eight hours per day is permitted only upon the condition that every such laborer and mechanic shall be compensated for all hours worked in excess of eight hours per day at not less than one and one-half times the basic rate of pay. For each violation of the requirements of this clause a penalty of five dollars shall be imposed for each laborer or mechanic for every calendar day in which such employee is required or permitted to labor more than eight hours upon said work without receiving compensation computed in accordance with this clause, and all penalties thus imposed shall be withheld for the use and benefit of the Government.

ARTICLE 15. Copeland (Anti-Kickback) Act--Nonrebate of wages.--The regulations of the Secretary of Labor applicable to contractors and subcontractors (29 CFR, Part 3), made pursuant to the Copeland Act, as amended (40 U. S. C. 276c) and to aid in the enforcement of the Anti-Kickback Act (18 U. S. C. 874) are made a part of this contract by reference. The Operator will comply with these regulations and any amendments or modifications thereof and will be responsible for the submission of affidavits required of independent contractors thereunder. The foregoing shall apply except as the Secretary of Labor may specifically provide for reasonable limitations, variations, tolerances, and exemptions.

ARTICLE 16. Changes and added provisions.--

Selden

App'd. Sol. Off.
Holt
Evans
Falkert
Selfridge

Executed in quintuplicate the day and year first above written.

ROLAND F. BEERS, INC.
(Operator)

By Roland F. Beers

Title President

THE UNITED STATES OF AMERICA

By Frank E. Johnson
Acting Director, Office of
Minerals Exploration

I, John S. Baker (Name), certify that I am the Assistant secretary of the corporation named as Operator herein; that Roland F. Beers (Name), who signed this contract on behalf of the Operator, was then President (Title) of said corporation; that said contract was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

John S. Baker
Asst. Secretary [CORPORATE SEAL]

INT.-DUP. SEC., WASH., D.C. 52370

EXPLORATION CONTRACT
ROLAND F. BEERS, INC.
OME-6104

ANNEX I

The land, including all rights pertaining thereto, referred to in Article 2 of the contract, consists of seven tracts of leased land and 62 mining claims located on State-owned public land, all situate in Knox County, Maine, and shown, outlined in red color, on map, Figure 2, entitled "Property Map, Crawford Pond and Alford Lake Areas, Knox County, Maine," which map is attached to and made part of the contract.

LEASED LAND

Lease No.		Acres	maps
9.0-1-3	Arthur Anderson and Margaret Anderson	40	1 & 3
9.0-1-8	Harry A. Perpall and Kathryn V. Perpall	100	3
9.0-1-20	Winona E. Harriman and Paul P. Harriman	40	1
9.0-1-24	Knox Timber, Inc.	35	1
9.0-1-27	Earl R. Norwood and Lura B. Norwood	10	
9.0-1-124	Elmer C. Hart and Lois M. Hart	24	1
9.0-1-125	Leroy G. Williams	10	1

In addition, should the Operator or any subsidiary thereof at any time prior to the termination of the exploration work acquire any right, title, or interest in or to that land--14 acres more or less--mentioned in the Application for Financial Assistance in Minerals Exploration under the Sidney M. Bird and Daisy Bird lease, such land shall become subject to and a part of this contract as of the date of this contract.

MINING CLAIMS

Sixty-two (62) mining claims located on the following Great Ponds:

	No. of Claims
Crawford Pond	40
Alford Lake	22
Total	62

Copies of the leases are contained in Dockets Nos. DMEA-4947 and OME-6104.

The 62 mining claims, shown on Figure 2 attached and made a part hereof, were located pursuant to State Permits and have been duly recorded in the office of the Maine Mining Bureau, Augusta, Maine.

The description in the documents hereinbefore referred to, including mining claims, are incorporated herein by reference.

A Performance Bond in lieu of Consent to Lien and Subordination Agreements is attached and made a part hereof.

In the event the Operator or any subsidiary thereof at any time during the period expiring fifteen (15) years from the date of the contract acquires any right, title, or interest in or to any land situate within 1,500 feet of the exterior boundaries of any land that as of the date of this contract is subject to this contract, such land automatically, without amendment of this contract, shall become subject to the provisions of this contract as of the date of acquisition, and the Operator shall promptly notify the Government of such acquisition, furnishing a description of the land, the acreage involved, maps, and other data that may be required by the Government.

With respect to any land which is subject to this contract, the Operator may at any time not exceeding six months after the date of completion of the exploration work or termination thereof report and certify to the Government the following:

(a) That the land specified has no known value for mineral production; and

(b) That the Operator has surrendered or otherwise disposed of all its right, title, and interest in such land without consideration therefor other than relief from the cost of maintaining such right, title, or interest.

If the Government is satisfied with the representation and showing made by the Operator, it shall thereupon notify the Operator that the land may be and thereupon is freed from any obligations under the contract and may be considered as withdrawn from the land described in Annex I. However, should the Operator or any subsidiary thereof at any time reacquire any right, title, or interest in such land withdrawn from the contract, before the expiration of fifteen (15) years from the date of this contract, that land shall be considered as returned to Annex I and subject to all terms and provisions of the contract as long as it is in effect.

STANDARD FORM 25
REVISED NOVEMBER 1950
PRESCRIBED BY GENERAL
SERVICES ADMINISTRATION
GENERAL REGULATION NO. 5

PERFORMANCE BOND

(See Instructions on Reverse)

DATE BOND EXECUTED

February 16, 1961

PRINCIPAL ROLAND F. BEERS, INC., a New York Corporation having a Place of Business located at 447 Pinewoods Ave., Troy, New York.

SURETY HARTFORD ACCIDENT AND INDEMNITY COMPANY, Hartford, Conn. - A Connecticut Corporation authorized to do business in the State of New York, and having an Office and Place of Business at 30 Lodge St., Albany, N. Y.

PENAL SUM OF BOND (*express in words and figures*)	CONTRACT NO.	DATE OF CONTRACT
TWENTY FOUR THOUSAND NINETY THREE AND NO/100 - - - - ($24,093.00) DOLLARS	14-23-090-2123	February 16, 1961

KNOW ALL MEN BY THESE PRESENTS, That we, the PRINCIPAL and SURETY above named, are held and firmly bound unto the United States of America, hereinafter called the Government, in the penal sum of the amount stated above, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the principal entered into a certain contract with the Government, numbered and dated as shown above and hereto attached;

NOW THEREFORE, if the principal shall well and truly perform and fulfill all the undertakings, covenants, terms, conditions, and agreements of said contract during the original term of said contract and any extensions thereof that may be granted by the Government, with or without notice to the surety, and during the life of any guaranty required under the contract, and shall also well and truly perform and fulfill all the undertakings, covenants, terms, conditions, and agreements of any and all duly authorized modifications of said contract that may hereafter be made, notice of which modifications to the surety being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue.

IN WITNESS WHEREOF, the above-bounden parties have executed this instrument under their several seals on the date indicated above, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

In Presence of:

WITNESS		INDIVIDUAL PRINCIPAL	
1.	as to		[SEAL]
2.	as to		[SEAL]
3.	as to		[SEAL]
4.	as to		[SEAL]

WITNESS		INDIVIDUAL SURETY	
1.	as to		[SEAL]
2.	as to		[SEAL]

Attest: Marion L. Hunziker

CORPORATE PRINCIPAL: ROLAND F. BEERS, INC.

BUSINESS ADDRESS: 447 Pinewoods Ave., Troy, N. Y.

BY: Roland F. Beers

TITLE: President

AFFIX CORPORATE SEAL

Attest: Dorothy W. Beals

CORPORATE SURETY: HARTFORD ACCIDENT AND INDEMNITY COMPANY

BUSINESS ADDRESS: Asylum St., Hartford, Conn.

BY: Carl W. Mueller

TITLE: Carl W. Mueller, Attorney-in-Fact

AFFIX CORPORATE SEAL

STANDARD FORM 25
NOVEMBER 1950 EDITION

16—30441-2

The rate of premium on this bond is $ 10.00 per thousand. (for 2 years)

Total amount of premium charged, $ 240.93

(The above must be filled in by corporate surety)

CERTIFICATE AS TO CORPORATE PRINCIPAL

I, John S. Bakos, certify that I am the Assistant secretary of the corporation named as principal in the within bond; that Roland F. Beers, who signed the said bond on behalf of the principal, was then President of said corporation; that I know his signature, and his signature thereto is genuine; and that said bond was duly signed, sealed, and attested for and in behalf of said corporation by authority of its governing body.

John S. Bakos [CORPORATE SEAL]

INSTRUCTIONS

1. This form shall be used for construction work or the furnishing of supplies or services, whenever a performance bond is required. There shall be no deviation from this form except as authorized by the General Services Administration.

2. The surety on the bond may be any corporation authorized by the Secretary of the Treasury to act as surety, or two responsible individual sureties. Where individual sureties are used, this bond must be accompanied by a completed Affidavit of Individual Surety for each individual surety (Standard Form 28).

3. The name, including full Christian name, and business or residence address of each individual party to the bond shall be inserted in the space provided therefor, and each such party shall sign the bond with his usual signature on the line opposite the scroll seal, and if signed in Maine or New Hampshire, an adhesive seal shall be affixed opposite the signature.

4. If the principals are partners, their individual names shall appear in the space provided therefor, with the recital that they are partners composing a firm, naming it, and all the members of the firm shall execute the bond as individuals.

5. If the principal or surety is a corporation, the name of the State in which incorporated shall be inserted in the space provided therefor, and said instrument shall be executed and attested under the corporate seal as indicated in the form. If the corporation has no corporate seal the fact shall be stated, in which case a scroll or adhesive seal shall appear following the corporate name.

6. The official character and authority of the person or persons executing the bond for the principal, if a corporation, shall be certified by the secretary or assistant secretary, according to the form herein provided. In lieu of such certificate there may be attached to the bond copies of so much of the records of the corporation as will show the official character and authority of the officer signing, duly certified by the secretary or assistant secretary, under the corporate seal, to be true copies.

7. The date of this bond must not be prior to the date of the instrument in connection with which it is given.

☆U. S. GOVERNMENT PRINTING OFFICE : 1951—O-79566

Hartford Accident and Indemnity Company

Hartford, Connecticut

Financial Statement, December 31, 1960

ASSETS		LIABILITIES		
U. S. Government Bonds	$97,883,727.83	Reserve for Claims and Claims Expense		$265,116,820.86
Bonds of other Governments	3,526,458.00	Reserve for Unearned Premiums		139,570,329.39
State, County and Municipal Bonds	261,842,050.00	Reserve for Taxes		8,777,843.08
Stocks	152,608,578.00	Miscellaneous Liabilities		7,931,072.41
	$515,860,813.83			**$421,396,065.74**
		Voluntary Reserve	$57,000,000.00	
Cash in Offices and Banks	$10,719,297.28	Capital Paid In	10,000,000,00	
Outstanding Premiums less Commissions (Under 90 Days)	49,041,668.57	Unassigned Funds (Surplus)	102,723,745.22	
Interest Accrued	3,107,594.61			
Sundry Assets	12,390,436.67	Surplus as regards Policyholders		$169,723,745.22
Total Admitted Assets	**$591,119,810.96**	**Total**		**$591,119,810.96**

STATE OF CONNECTICUT,
COUNTY OF HARTFORD, } ss.

J. C. Hullett, President of the Hartford Accident and Indemnity Company, being duly sworn, does hereby certify that the foregoing is a correct statement of the assets and liabilities of the said Company as of December 31, 1960, and in witness whereof said President has hereunto signed and caused the corporate seal to be affixed hereto.

Acknowledged and sworn to before me
this 7th day of February, 1961

Herbert G. Kohorn

Notary Public
My commission expires March 31, 1962

J. C. Hullett
President

Attest: A. E. Young
Vice-President and Secretary-Treasurer

Form G-1208 Printed in U. S. A.

Hartford Accident and Indemnity Company

HARTFORD, CONNECTICUT

2256

POWER OF ATTORNEY

Know all men by these Presents, That the HARTFORD ACCIDENT AND INDEMNITY COMPANY, a corporation duly organized under the laws of the State of Connecticut, and having its principal office in the City of Hartford, County of Hartford, State of Connecticut, does hereby make, constitute and appoint

PETER D. KIERNAN, HARRY N. PITT, JR., THOMAS J. FLANIGAN, LUKE J. HENRY, MARCUS V. McEVOY, WILLIAM H. BRADT, and CARL W. MUELLER, of ALBANY, NEW YORK,

its true and lawful Attorney(s)-in-fact, with full power and authority to each of said Attorney(s)-in-fact, in their separate capacity if more than one is named above, to sign, execute and acknowledge any and all bonds and undertakings and other writings obligatory in the nature thereof on behalf of the company in its business of guaranteeing the fidelity of persons holding places of public or private trust; guaranteeing the performance of contracts other than insurance policies; guaranteeing the performance of insurance contracts where surety bonds are accepted by states and municipalities, and executing or guaranteeing bonds and undertakings required or permitted in all actions or proceedings or by law allowed.

and to bind the HARTFORD ACCIDENT AND INDEMNITY COMPANY thereby as fully and to the same extent as if such bonds and undertakings and other writings obligatory in the nature thereof were signed by an Executive Officer of the HARTFORD ACCIDENT AND INDEMNITY COMPANY and sealed and attested by one other of such officers, and hereby ratifies and confirms all that its said Attorney(s)-in-fact may do in pursuance hereof.

This power of attorney is granted under and by authority of the following By-Law adopted by the Stockholders of the HARTFORD ACCIDENT AND INDEMNITY COMPANY at a meeting duly called and held on the 10th day of February, 1943.

ARTICLE IV

SECTION 8. The President or any Vice-President, acting with any Secretary or Assistant Secretary, shall have power and authority to appoint, for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, one or more Resident Vice-Presidents, Resident Assistant Secretaries and Attorneys-in-fact and at any time to remove any such Resident Vice-President, Resident Assistant Secretary, or Attorney-in-fact, and revoke the power and authority given to him.

SECTION 11. Attorneys-in-fact shall have power and authority, subject to the terms and limitations of the power of attorney issued to them, to execute and deliver on behalf of the Company and to attach the seal of the Company thereto any and all bonds and undertakings, and other writings obligatory in the nature thereof, and any such instrument executed by any such Attorney-in-fact shall be as binding upon the Company as if signed by an Executive Officer and sealed and attested by one other of such Officers.

This power of attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Directors of the HARTFORD ACCIDENT AND INDEMNITY COMPANY at a meeting duly called and held on the 13th day of March, 1956.

RESOLVED, that, whereas the President or any Vice-President, acting with any Secretary or Assistant Secretary, has the power and authority to appoint by a power of attorney, for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, one or more Resident Vice-Presidents, Assistant Secretaries and Attorneys-in-fact;

Now therefore the signatures of such officers and the seal of the Company may be affixed to any such power of attorney or to any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

In Witness Whereof, the HARTFORD ACCIDENT AND INDEMNITY COMPANY has caused these presents to be signed by its Vice-President, and its corporate seal to be hereto affixed, duly attested by its Secretary, this 22nd day of April, 1957.

Attest: HARTFORD ACCIDENT AND INDEMNITY COMPANY

Secretary *Vice-President*

STATE OF CONNECTICUT, } ss.
COUNTY OF HARTFORD,

On this 22nd day of April, A. D. 1957, before me personally came Wm. H. Wallace, to me known, who being by me duly sworn, did depose and say: that he resides in the County of Hartford, State of Connecticut; that he is the Vice-President of the HARTFORD ACCIDENT AND INDEMNITY COMPANY, the corporation described in and which executed the above instrument; that he knows the seal of the said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation and that he signed his name thereto by like order.

STATE OF CONNECTICUT, } ss.
COUNTY OF HARTFORD,

HERBERT P. SCHOEN NOTARY PUBLIC HARTFORD, CONN.

Notary Public
My commission expires March 31, 1962

CERTIFICATE

I, the undersigned, Assistant Secretary of the HARTFORD ACCIDENT AND INDEMNITY COMPANY, a Connecticut Corporation, DO HEREBY CERTIFY that the foregoing and attached POWER OF ATTORNEY remains in full force and has not been revoked; and furthermore, that Article IV, Sections 8 and 11, of the By-Laws of the Company, and the Resolution of the Board of Directors, set forth in the Power of Attorney, is now in force.

Signed and sealed at the City of Hartford. Dated the 16th day of February 19 61

SEE REVERSE SIDE

Assistant Secretary

Form S-3507 2nd Rev. Printed in U.S.A. 3-'57

STATE OF NEW YORK)
) SS.
COUNTY OF Albany)

On February 16, 1961, before me personally came Carl W. Mueller, to me known, who, being by me duly sworn, did depose and say that he resides in Loudonville, N. Y.; that he is the attorney-in-fact of the HARTFORD ACCIDENT AND INDEMNITY COMPANY the corporation described in and which executed the within instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation, and that he signed his name thereto by like order; and that the Superintendent of Insurance of the State of New York has, pursuant to Chapter 33 of the Laws of the State of New York for the year 1909, as amended, constituting Chapter 30 of Cahill's Consolidated Laws of the State of New York, as amended, issued to the HARTFORD ACCIDENT AND INDEMNITY COMPANY his certificate that said Company is qualified to become and be accepted as surety or guarantor on all bonds, undertakings, and other obligations or guarantees, as provided by the Insurance Law of the State of New York and all laws amendatory thereof and supplementary thereto; and that such certificate has not been revoked.

Arnold J. Cohen
Notary Public.

ARNOLD J. COHEN
Notary Public, State of New York
Residing in Albany County
My Commission Expires March 30, 1962

EXPLORATION CONTRACT
ROLAND F. BEERS, INC.
OME-6104

EXHIBIT A

The maps attached to and made part of the contract are as follows:

Figure 1. Index Map of Maine, Showing Knox County.

Figure 2. Property Map, Crawford Pond and Alford Lake Areas, Knox County, Maine.

Figure 3. Drill Hole Location Map, Crawford Pond, Knox County, Maine.

Figure 4. Drill Hole Location Map, Alford Lake, Knox County, Maine.

The objective of the project is to explore for nickel in the Crawford Pond and Alford Lake areas of Knox County, Maine, by means of diamond core drilling and a limited amount of geophyscial surveying. Exploration work under this contract shall be limited to that land which is subject to this contract as of the date of the contract.

General Conditions

Diamond drilling shall be done with BX wire line or larger sizes of coring bits. All core shall be properly boxed and stored and made available to the Government for examination. All core sections showing significant mineralization shall be properly sampled and the samples shall be assayed for nickel and cobalt, and for copper, sulphur, and iron as may appear desirable.

Sludge samples shall be taken during the diamond drilling and, in significantly mineralized sections, where the core recovery is less than 60 percent, the sludges shall be assayed as above, in addition to the core segments which have been recovered. No sample, either of core or sludge, shall represent a hole interval of more than 5 feet.

All samples to be assayed shall first be split and one-half made available to the Government. The Government will contribute to the cost of not to exceed 180 assays for nickel and cobalt, and not to exceed 90 assays for copper, sulphur or iron.

All drill holes shall be logged geologically and copies of the logs of completed holes, together with maps showing drill holes and sections, shall be furnished monthly to the Government.

No drilling shall be done at locations closer than 100 feet to property boundaries.

The location, direction, inclination and extent of all diamond drill holes shall be subject to prior approval of the Government.

Description of the Work

Stage I

Diamond core drill from surface not to exceed 3,540 feet in approximately 6 inclined holes, Nos. E52-2, E52-3, and E60-2, E56.2-1, E64-1, and E64-2, to intersect the Crawford Pond mineralized zone, as approximately indicated in red color on map, Figure 3.

Stage II

Dependent on the results of Stage I work, and with the prior approval of the Government, perform the following:

Diamond core drill from surface not to exceed 5,240 feet in approximately 4 inclined and 7 vertical holes, Nos. E46-1, E46-2, E68-1, E68-2, E48-1, E50-1, E62-1, and E66-1, indicated approximately in red color on map, Fig. 4, to intersect the Crawford Pond Mineralized zone, and holes Nos. A-0-1, A-10-1-N, and A-32-1-N, indicated approximately in red color on map, Fig. 4, to intersect the Alford Lake mineralized zone.

A limited amount of geophysical surveying, using magnetometer and E M equipment, shall be performed concurrently with the diamond drilling under Stages I and II where necessary to determine geological conditions and to confirm the exact location of each of the diamond drill sites.

Estimated Costs

Stage I

Actual Costs

Category (1) Independent Contracts

None except:

Diamond core drilling -

Overburden drilling from land locations 0 to 50-foot depths, 150 feet @ $4.95/ft.	$ 742.50	
Size BX wire line drilling, ledge to 500-foot depths, 2,850 feet @ $4.45/ft.	12,682.50	
Size BX wire line drilling, 500 to 1,000-foot depths, 540 feet @ $4.80/ft.	2,592.00	
Mobilization and demobilization, 2 diamond drill rigs and equipment, @$600.00/each	1,200.00	
Delay time, 5 hours @ $8.50/hr.	42.50	$17,259.50

Category (7) - Miscellaneous

None except:

Core boxes, wooden, 90 @ $2.75/each	247.50	
Assays, for nickel and cobalt, 80 @ $9.00 for both	720.00	
Assays for copper, iron, or sulphur, 40 @ $1.00 for each determination	40.00	$ 1,007.50

Fixed Unit Costs

Incidental allowance in lieu of all costs whatsoever except those listed above under Categories (1) and (7), $0.56/ft. for 3,540 feet of drilling	$ 1,982.40	
Total Stage I		$20,249.40

Stage II

Actual Costs

Category (1) - Independent Contracts

None except:

Diamond core drilling -

Overburden drilling from land locations, 0 to 50-foot depths, 120 feet @ $4.95/ft.	$ 594.00	
Overburden drilling from ice locations, 0 to 50-foot depths, 350 feet @ $4.25/ft.	1,487.50	
Below 50 ft. ~~50 to 100-ft.~~ depths, 300 feet @$5.00/ft.	1,500.00	
Size BX wire line drilling, ledge to 500-foot depths, 4,030 feet @ $4.45/ft.	17,933.50	
Size BX wire line drilling, 500 to 1,000-foot depths, 440 feet @ $4.80/ft.	2,112.00	
Delay time - 8 hours @ $8.50/ft.	68.00	$23,695.00

Category (7) - Miscellaneous

None except:

Core boxes, wooden, 130 @ $2.75/each	$ 357.50	
Assays, 100 for nickel and cobalt, @ $9.00 for both	900.00	
Assays for copper, iron, or sulphur, 50 @ $1.00 for each determination	50.00	$1,307.50

Fixed Unit Costs

Incidental allowance in lieu of all costs whatsoever except those listed above under Categories (1) and (7), $0.56/ft. for 5,240 feet of drilling	$2,934.40	
Total Stage II		$27,936.90

Estimated Total Cost of the Project (rounded)	$48,186.00
Government Participation @ 50%	$24,093.00

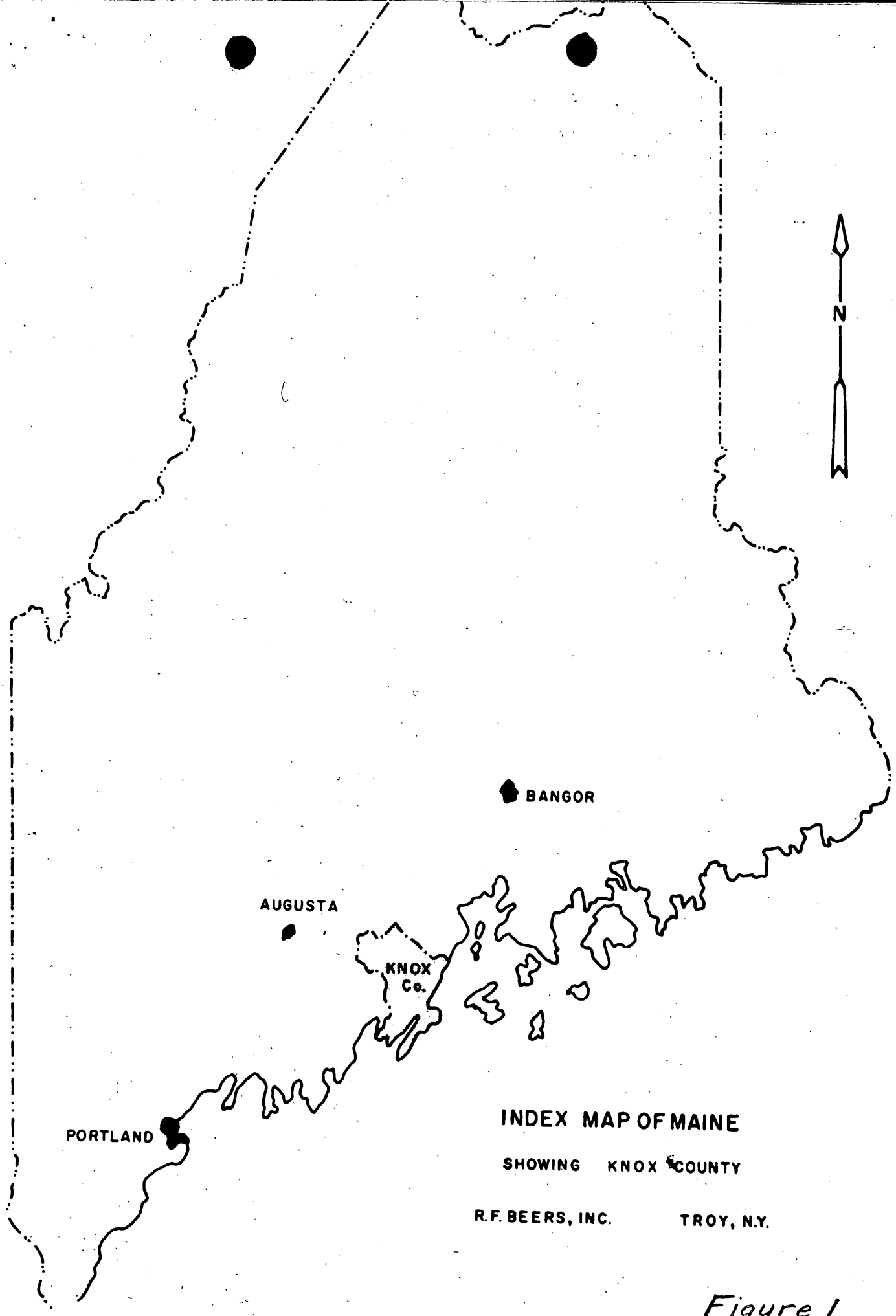
N
BANGOR
AUGUSTA
KNOX
Co.
PORTLAND
INDEX MAP OF MAINE
SHOWING KNOX COUNTY
R.F. BEERS, INC. TROY, N.Y.

Figure 1

DRAFT

SPH
10.27.60

REPORT ON EXPLORATION ASSISTANCE APPLICATION

Applicant: Roland F. Beers, Inc.
P. O. Box ~~1019~~ 23
~~Troy, N. Y.~~ Alexandria, Va } See letter 8/23/61

OME-6104 (Nickel)

Dated: October 1960.

Location: Knox County, Maine

Received: October 18, 1960.

Name of Property: Crawford Pond, et al. Prospects

1. Proposed Exploration and Estimated Cost

The Applicant proposes exploration as follows:

Stage I. Diamond core drill approximately 3,540 feet in 6 inclined drill holes.

Stage II. Diamond core drill approximately 5,240 feet in 2 inclined and six vertical drill holes.

Perform a limited amount of geophysical surveying in both stages to determine geological conditions and confirm exact locations of each of the diamond drill sites.

Cost of the work, as estimated by the Applicant	$48,176.00
Government participation @ 50%	24,088.00

2. Financial Eligibility

A - Bank letters declining a loan were received from the Manufacturers National Bank, Troy, New York, and the Commercial Bank and Trust Company, Albany, New York. Requests to both banks were in identical terms, requesting a loan of $25,500.00 with interest, proceeds of the loan to be used to pay 50% of the cost of core drilling and geophysical exploration work on ~~the~~ a nickel-cobalt deposit in Union, Knox County, Maine. A balance sheet of the corporation as of August 31, 1960 was enclosed with each letter.

The Manufacturers National Bank stated that its Executive Officers had reviewed the financial statement submitted and felt that on the basis of the

financial figures the loan would not fit in with their usual banking policies. The National Bank and Trust Company stated that the loan application had been declined for the reason that the bank had no assurance that the drilling would be successful, therefore no definite statement as to when the loan could be paid.

Mr. E. D. Talbert, Acting Chief, Contract Administration and Audit Division, OME, stated in his memo of October 26, 1960, that on the basis of the above bank correspondence, supplemented by the balance sheet and the letter of October 24, 1960, from the Applicant, it appeared that the Applicant is financially eligible for federal assistance im the proposed exploration project.

3. Reviews

OME Engineer - Stephen P. Holt - October 27, 1960.

The applicant controls, by lease from the state of Maine and from various individuals, 5,426 acres of mineral rights, including 142 mining claims under state-owned Great Ponds, and one parcel of land owned in fee simple, all situated in Knox and Lincoln Counties, Maine, and covered by a previous exploration contract with the Government (Contract No. Idm-E1224, Docket No. DMEA 4947), which contract has been certified. Leases on 38 mining claims and 3 parcels of privately-owned land, are offered for subordination under this proposed new project, the purpose of which is to further explore for nickel areas not fully tested under the previous program. The Applicant proposes to submit a Performance Bond in lieu of Lien and Subordination Agreements.

The Applicant's proposed exploration program appears to be reasonable and

adequate to accomplish the additional exploration outlined. Estimated costs, supported by bids from three drilling contractors, although somewhat higher than similar costs under previous contracts, are not unreasonable, particularly the low bid, submitted by the contractor which did the drilling under the previous contract.

4. Action

If additional information regarding leases and details of proposed drilling is received, and is satisfactory, a proposed contract should be drafted to authorize the additional exploration requested by the Applicant.

Stephen P. Holt

ROLAND F. BEERS, INC.

OFFICE AND LABORATORY:
447 PINEWOODS AVENUE
PHONE ASHLEY 2-2351

MAIL ADDRESS:
POST OFFICE BOX 1019
TROY, NEW YORK

December 22, 1960

OFFICIAL FILE COPY
O. M. E
RECEIVED DEC 23 1960

DATE	INITIALS	CODE
12/23	Cal	210
12/27	~~Hack~~ S.P.H.	500

Mr. Frank E. Johnson, Acting Director
Office of Minerals Exploration
Washington 25, D. C.

Re: OME-6104 (Nickel)
Crawford Pond Prospect
Knox County, Maine

Dear Mr. Johnson:

Enclosed you will find four copies of Amendment #2 for the part of Attachment H relating to Stages I and II of the drilling for the captioned application for financial assistance in minerals exploration.

This amendment is being sent to you in order to reflect the lower drilling bid submitted by L. & W. Drilling Company, Inc.

Also enclosed are four copies of the L. & W. Drilling Company, Inc. proposal.

Very truly yours,

ROLAND F. BEERS, INC.

John S. Bakos

John S. Bakos
Assistant Treasurer

jsb/h
Enclosures
cc: D. E. Wyke
R. S. Young

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

Amendment #2
Attachment H

Summary of estimated costs:

Geophysical work		$ 1,728.00
Drilling -		
Stage I	$18,780.75	
Stage II	26,289.75	
		45,070.50
Total estimated costs		$46,798.50

EXTRA COPY
O. M. E
RECEIVED DEC 28 1960

Attachment H

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

7. Estimate of Geophysical Work Essential to Economical Drilling

(a) Independent Contracts — None

(b) Personal Services

The geological and geophysical work will be serviced by a staff supervising geologist-geophysicist and a staff assistant from the Rockport, Maine office of the Operator and an outside consultant. It is proposed that the Supervising geologist-geophysicist together with an assistant will devote one-half of their time to the project in order to effectively handle the assignment. It is estimated that two months - at half-time - will be required to do the necessary geophysical work.

I.	Supervision - Geologist-Geophysicist - 2 mos. at 1/2 time @ $750/mo.	$ 750.00
II.	Assistant - 2 mos. at 1/2 time @ $380/mo.	380.00
III.	Stenographic work - 10 hrs. @ $1.50/hr.	15.00
IV.	Consulting geologist-geophysicist - 3 days @ $100/day	300.00
	Total personal services	1,445.00

(c) Operating materials and supplies — None

(d) Operating equipment

Magnetometer	Fair market value	$ 500.00	
Sharpe EM	Fair market value	750.00	
Total	Fair market value	$1,250.00	
Depreciation 1/36th of Fair market value			35.00

(e) Initial rehabilitation and repairs — None

(f) New Buildings, fixtures, installations — None

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

7. Estimate of Geophysical Work Essential to Economical Drilling-Continued:

(g) Miscellaneous

I.	Workmen's compensation and employer's liability insurance	$ 13.00	
II.	F. I. C. A. tax and unemployment insurance	74.00	
III.	Office and drafting supplies for maintaining records, preparation of maps and reports	15.00	
IV.	Transportation, supervising geologist-automobile 500 miles @ $0.10/mile	50.00	
V.	Telephone and telegraph	6.00	
VI.	Accountant, 2 days @ $45.00/day	90.00	
	Total miscellaneous		$ 248.00
	Total all categories		$ 1,728.00

7. Estimate of Drilling Costs:

Stage I Drilling

(a) Independent Contracts

An independent contract will be let for the entirety of the proposed drilling. The total estimated cost for drilling 8780 feet in two stages is $45,070.50, based on the accompanying lowest bid for wire line equipment, submitted by L. & W. Drilling Company, Inc.:

Mobilization and demobilization of personnel and drilling equipment 2 rigs $250 each	$ 500.00	
Overburden drilling - 150 feet @ $4.50/ft.	675.00	
Wire line equipment BX Core - Angle holes -		
to 500 feet - 2850 feet @ $4.50/ft.	12,825.00	
500 to 800 feet - 540 feet @ $4.75/ft.	2,565.00	
Delay time - 5 hrs. @ $6.50/hr.	32.50	
Total independent contracts		$16,597.50

(b) Personal Services

The drilling program will be served by a staff supervising geologist from the Operator's Rockport, Maine office. It is proposed that the staff geologist will devote one-half of his time to the project in order to effectively handle the assignment. It is estimated that the entire program will require a minimum of five months.

Geologist-2 mos. - 1/2 time-$750/mo.	750.00	
Labor (as needed) - 40 hrs. -$2/hr.	80.00	
Stenographer - 24 hrs. -$1.50/hr.	36.00	
Total personal services		866.00

7. Estimate of Drilling Costs - Continued:

Stage I Drilling - Continued:

(c) Operating Materials			
Core boxes - 89 @ $2.75		244.75	
Gasoline and oil for truck		50.00	294.75
(d) Operating equipment			
1955 Chevrolet Panel truck -			
Fair market value $100.00			
Depreciation - 2 mos. - $8.25/mo.			16.50
(e) Rehabilitation and repairs			None
(f) New Buildings, improvements, installations			None
(g) Miscellaneous			
I. Assays			
Ni and Co -			
80 assays at $9 for both	$720.00		
Cu, S and Fe -			
40 determinations at $1 each	40.00		
		760.00	
II. Workmen's compensation and employer's liability insurance		12.00	
III. F.I.C.A. tax and unemployment insurance		60.00	
IV. Office and drafting supplies for maintaining records, preparation of maps and reports		24.00	
V. Telephone and telegraph		15.00	
VI. Accountant - 3 days - $45/day		135.00	
Total miscellaneous			1,006.00
Total all categories - Stage I			$18,780.75

7. Estimate of Drilling Costs - Continued

Stage II Drilling

(a) Independent Contracts		
Overburden drilling		
770 feet @ $4.50/ft.	$3,465.00	
Wire line equipment - BX core-		
Angle core holes -		
to 500 feet - 1880 ft. @ $4.50/ft.	8,460.00	
500 to 800 ft. -440 ft. @ $4.75/ft.	2,090.00	
Vertical core holes -		
to 500 ft - 2150 ft @ $4.25/ft.	9,137.50	
Delay time - 8 hrs. @ $6.50/hr.	52.00	
Total independent contracts		23,204.50
(b) Personal Services		
Geologist-3mos. -1/2 time @ $750/mo	1,125.00	
Labor (as needed) 60 hrs. @ $2.00/hr.	120.00	
Stenographer 36 hrs. @ $1.50/hr.	54.00	
Total personal services		1,299.00
(c) Operating materials		
Core boxes - 130 at $2.75/ea.	357.50	
Gasoline and oil for truck	75.00	
Total operating materials		432.50
(d) Operating equipment		
1955 Chevrolet Panel truck -		
Fair market value $100.00		
Depreciation - 3 mos. - $8.25/mo.		24.75
(e) Rehabilitation and repairs		None
(f) New Buildings, improvements, installations		None

7. Estimate of Drilling Costs - Continued:

Stage II Drilling - Continued

(g) Miscellaneous

I. Assays			
Ni and Co - 100 assays at $9 for both	900.00		
Cu, S and Fe - 50 determinations, $1 ea.	50.00		
		950.00	
II. Workmen's compensation and public liability insurance		18.00	
III. F.I.C.A. tax and unemployment insurance		91.00	
IV. Office and Drafting supplies for maintaining records, preparation of maps and reports		30.00	
V. Telephone and telegraph		15.00	
VI. Accountant - 5 days @ $45/day		225.00	
Total Miscellaneous			1,329.00
Total all categories - Stage II			$26,289.75

PHILIP G. LOWIN
STate 8-[illegible]

JAMES WESTERDAHL
LYric 4-7028

L. & W. DRILLING COMPANY, INC.

Core Drilling • Soil Sampling • Blast Hole Drilling

ROCKLAND, MAINE 1961

December 19, 1960

Dr. Roland F. Beers, President
Roland F. Beers, Inc.
P. O. Box 1019
Troy, New York

Dear Dr. Beers:

We submit our bid covering proposed core drilling operations in the vicinity of Union, Maine, as follows:

Mobilization and demobilization of equipment and personnel $250.00 per rig

Drilling, using standard equipment and drilling AX core holes:

Overburden and installing casing	$4.25 per foot
Vertical holes to depth of 500 feet	$4.00 per foot
500 feet to 800 feet	$4.25 per foot
Angle holes not to exceed 45° to a depth of 500 feet	$4.10 per foot
500 feet to 800 feet	$4.25 per foot

Drilling, using standard equipment and drilling BX core holes:

Overburden and installing casing	$4.50 per foot
Vertical holes to depth of 500 feet	$4.50 per foot
500 feet to 800 feet	$4.50 per foot
Angle holes not to exceed 45° to a depth of 500 feet	$4.60 per foot
500 feet to 800 feet	$4.75 per foot

Drilling, using wire line equipment and drilling BX core holes, core approximately 1 3/8 inches:

Overburden and installing BX casing	$4.50 per foot
Vertical holes to a depth of 500 feet	$4.25 per foot
500 feet to 800 feet	$4.35 per foot

PHILIP G. LONN
STate 5-2656

JAMES WESTERDAHL
LYric 4-7029

L. & W. DRILLING COMPANY, INC.

Core Drilling • Soil Sampling • Blast Hole Drilling

ROCKLAND MAINE

December 19, 1960

Angle holes not to exceed 45° to a depth of 500 feet	$4.50 per foot
500 feet to 800 feet	$4.75 per foot
Delayed time on your part	$6.50 per hour
Casing in holes at your request:	
BX casing left in hole	$2.16 per foot
AX casing left in hole	$1.70 per foot

If necessary we would be willing to do this drilling on floats without any extra cost to you. Only requirement would be 5 days for us to build floats.

Payments to be made within 30 days from date of invoice, which will be delivered on the first of each month covering drill holes completed the previous month.

We will be pleased to accept your order for this work.

Respectfully yours,

Philip G. Lonn

Philip G. Lonn

James Westerdahl

James Westerdahl

ROLAND F. BEERS, INC.

OFFICE AND LABORATORY:
447 PINEWOODS AVENUE
PHONE ASHLEY 2-2351

MAIL ADDRESS:
POST OFFICE BOX 1019
TROY, NEW YORK

November 21, 1960

Official

EXTRA COPY
O. M. E
RECEIVED NOV 23 1960

DATE	INITIALS	CODE

Mr. Frank E. Johnson, Acting Director
Office of Minerals Exploration
Department of the Interior
Washington 25, D. C.

file OME-6104

Re: DMEA-4947 (Nickel)
Crawford Pond, et al, Prospects
Knox and Lincoln Counties, Maine
Contract No. Idm-E 1224

Dear Mr. Johnson:

The operator intends to surrender lands and State of Maine mining claims which are a part of the captioned Contract after receiving from the Government notification that such lands and claims are freed from all obligations under the Contract, and that the Government is satisfied with the representations made herein with respect to such lands.

State of Maine Mining Claims

	No. of claims
Crawford Pond (The remaining active claims, 26 in number, for Crawford Pond have been incorporated in State of Maine Lease #3, dated October 15, 1960)	21 ← What Nos.?
Area 2	
North Pond	28
Area 3	
Lermond Pond	12
Alford Lake	31 ← What Nos.?
Fish Pond	10
Mansfield Pond	3
Total claims	105

Leased Land

Area 1

Lease No.	Lessor	Acres
9.0.1 - 2	Gertrude A. and Burleigh M. F. Esancy	25
- 7	Richard A. Meservey	21
- 9	Lois M. and Elmer C. Hart	28
-10	Gertrude A. and Burleigh M. F. Esancy	12
-25	William H. Blake	3

Area 2

9.0.1 -22	Knox Timber Inc.	140
-24	Knox Timber Inc.	35 ← In new contract
-26	Evelyn F. and Richard F. Edgecomb	20
-29	Ella E. and Ruth M. Creamer	30
-30	Ella E. and Ruth M. Creamer	72
-30A	Ella E. and Ruth M. Creamer	96
-31	Jean F. and Leo A. Laukka	35-1/2
-32	Jean F. and Leo A. Laukka	100
-33	Grace G. and Herbert O. Simmons	35
-34	Carole A. and Stanley A. Soboleski	23.92
-35	Gladys and Ralph Hupper	96
-37	Carrie R. and Dana H. Smith and Lillian R. and Joseph K. P. Porter	25
-53	George E. Maker and Olive Watton	40
-66	Hazel L. and Virgil E. Hills	53
-67	Elsie M. and Joseph Cifaldo	90
-68	Hazel L. and Virgil E. Hills and Minnie O. and Edwards A. Matthews	12
-76	Merrill W. and Evelyn O. Payson	50
-124	Elmer C. Hart	24 ← Is this same as No. 126? If so, is in new contract

Area 3

Lease No.	Lessor	Acres
9.0.1 - 4	J. Blanche and James P. Moody	75
- 5	Thelma W. and Philip G. Lonn	75
-11	Lura B. and Earl R. Norwood, Sr.	100
-14	Arlene F. and Norman E. Brown	50
-15	Olive M. and Basil A. Brown	28
-16	Anna M. and Woodrow W. Gould	15
-17	Catherine C. and Leonard P. Guyette	8
-18	Arlene F. and Norman E. Brown	20
-19	Pearl M. and C. R. Goderre	55
-21	Jennie M. and George E. Jacobs and Thelma L. and Donald K. Farris	125
-23	Lura B. and Earl R. Norwood	60
-27	Lura B. and Earl R. Norwood	10 ← is in new contract
-38	Olive E. and Frank H. Grassaw	196
-39	Roy K. Hobbs	60
-40	Marion W. Hart	90
-41	Lura B. and Earl R. Norwood, Sr.	29
-47	Grevis F. Payson	100
-61	Margaret D. and Maynard H. Bowley	8
-65	Doris L. and Fred M. Merrifield	70
-74	Harry L. and Vivian Irene Pushaw	88
-75	Harry L. and Vivian Irene Pushaw	24
-82	Orie W. and Marion C. Huntley	50
-83	Roland E. and Gretchen A. Payson	8
-102	Lloyd G. and Winona L. Brown	27
-103	Lloyd G. and Winona L. Brown	20
-112	Joseph P. and Hazel E. Pushaw	14
-113	Joseph P. and Hazel E. Pushaw	20
-115	Marcellus M. and Frances E. Taylor	70
-116	Marcellus M. and Frances E. Taylor	60
-117	Donald G. and Laura J. Pushaw	2-1/2
-119	Nathan R. and Ruth M. Pease	6
-120	Emery F. and Lena F. Simmons	12
-122	Benjamin H. and Avis P. Nichols	39
-123	Raymond E. and Elsie M. Crabtree	40

Area 4

Lease No.	Lessor	Acres
9.0.1 - 77	L. S. and Marion Burns	36
- 79	Chester H. and Eva D. Burns	10
- 80	Carl O. Foster	50
- 81	Arnold G. and Lempi A. Frejborg	75
- 84	Lennie S. and Marion L. Burns	15
- 85	Lennie S. and Marion L. Burns	10
- 86	Lennie S. and Marion L. Burns	30
- 87	Lennie S. and Marion L. Burns	4
- 88	Lennie S. and Marion L. Burns	25
- 89	Lennie S. and Marion L. Burns	14
- 90	Lennie S. and Marion L. Burns	6
- 91	Lennie S. and Marion L. Burns	80
- 92	Frank G. and E. Anne Burgess	7
- 93	Frank G. and E. Anne Burgess	50
- 94	Frank G. and E. Anne Burgess	25
- 95	Frank G. and E. Anne Burgess	70
- 96	Mrs. Hazel B. Ross	9
- 97	Joseph and Hermine Eckert	50
- 98	Charles C. and Edna E. Hill	160
- 99	Ernest L. and Evelyn G. Hunt	25
-100	Ernest L. and Evelyn G. Hunt	16
-104	Franklin B. and Marion L. Calderwood	17
-105	Franklin B. and Marion L. Calderwood	17
-106	Franklin B. and Marion L. Calderwood	20
-107	Franklin B. and Marion L. Calderwood	12
-108	Franklin B. and Marion L. Calderwood	28
-109	Franklin B. and Marion L. Calderwood	20
-110	Charles C. and Lois A. Ludwig	16
-111	Charles C. and Lois A. Ludwig	9
-121	Louis V. and Patricia T. Ouellette	100
9.0.4- 1	Donna and Earl Hannan	65
- 2	Jennie M. Ranta	80
- 6	Louise Helen and Ira H. Walter	63
- 12	Avery J. Sidelinger	60
- 15	Amelia and John E. W. Johansson	30
- 22	Laura Mank	25

The operator hereby certifies that the lands described herein have no known mineral value and the operator will surrender its right, title and interest in such land without consideration therefor other than relief from the cost of maintaining such right, title and interest.

The operator acknowledges its continuing royalty obligation until June 30, 1973.

Sincerely yours,

ROLAND F. BEERS, INC.

John S. Bakos

John S. Bakos
Assistant Treasurer

jsb/h

ROLAND F. BEERS, INC.

OFFICE AND LABORATORY:
447 PINEWOODS AVENUE
PHONE ASHLEY 2-2351

MAIL ADDRESS:
POST OFFICE BOX 1019
TROY, NEW YORK

October 28, 1960

OFFICIAL FILE COPY
O. M. E.
RECEIVED OCT 31 1960

DATE	INITIALS	CODE
10/31	Coe	210
10/31	S.P.H.	500

Mr. Frank E. Johnson, Acting Director
Office of Minerals Exploration
Washington 25, D. C.

Subject: Application for Financial Assistance in Minerals Exploration for Nickel
Dated October 1960, Docket No. OME-6104
Crawford Pond, Knox County, Maine

Dear Mr. Johnson:

Enclosed you will find four copies of State of Maine Lease No. 3 which is part of the applicant's Rights in Land, Attachment C, of the subject application.

Also enclosed are verifax copies of the letter from the State of Maine Mining Bureau which was sent to us with the Lease.

You will note that the lease has been executed by us. We will forward to you a new execution page after the State of Maine completes the execution.

We are of the opinion that by following this procedure the processing of our application will be expedited.

Very truly yours,

ROLAND F. BEERS, INC.

John S. Bakos

John S. Bakos

jsb/h
Enclosures (4) -
Verifax copy of Lease No. 3
Verifax copy of letter of October 26, 1960
cc: R. S. Young
D. E. Wyke

Mining Lease No. 3, State of Maine,
filed in special lease folder No. 2

MAINE
DEPARTMENT OF ECONOMIC DEVELOPMENT
STATE HOUSE • AUGUSTA, MAINE • MAYFAIR 3-4511

OCT 31 1960
O.M.E.

October 26, 1960

Dr. Roland F. Beers, President
Roland F. Beers, Inc.
P. O. Box 1019
Troy, New York

Dear Dr. Beers:

I am sending with this letter two copies of the State of Maine Mining Lease No. 3 covering the Crawford Pond area on which you had Mining Lease No. 1 and have now expanded it to the present coverage. As you will note, this new lease supersedes the original lease and will be the controlling instrument for the area. If this new lease in its present form is acceptable to you and your legal department, you may sign both copies and return them to us for Mr. MacDonald's signature. The two copies must also be signed by one witness at the time of signing.

If you wish any changes in the document, please note them on the carbon copy, and we will make the necessary changes as may be agreed upon by the Attorney General's office. Since it is generally the same form as the original lease, and any changes have been fully discussed with Bob Young, I doubt that you will need to revise very much.

As soon as we receive the signed copies, Mr. MacDonald will sign for the Bureau. The date of signature will then be emplaced, both copies notarized, and one of them returned to you for your permanent files.

Yours very truly,

Robert G. Doyle

Robert G. Doyle, State Geologist
Secretary, Maine Mining Bureau

RGD:gbm
Enclosures
cc: Dr. Robert S. Young
Donald E. Wyke

Mining Lease No. 3, State of Maine, filed in special lease folder No. 2

ROLAND F. BEERS, INC.

OFFICE AND LABORATORY:
447 PINEWOODS AVENUE
PHONE ASHLEY 2-2351

MAIL ADDRESS:
POST OFFICE BOX 1019
TROY, NEW YORK

October 28, 1960

OFFICIAL FILE COPY
O. M. E.
RECEIVED OCT 31 1960

DATE	INITIALS	CODE
10/31	cal	210
10/31	S.P.H.	500

Mr. Frank E. Johnson, Acting Director
Office of Minerals Exploration
Washington 25, D. C.

Subject: Application for Financial Assistance in Minerals Exploration for Nickel
Dated October 1960, Docket No. OME-6104
Crawford Pond, Knox County, Maine

Dear Mr. Johnson:

Enclosed you will find four copies of amendment for that portion of Attachment H relating to Stages I and II of the drilling for the captioned application. The estimate of costs of geophysical work essential to economical drilling remains unchanged.

This amendment is being filed in order to reflect the lower drilling bid submitted by E. J. Longyear Company.

Also enclosed are four copies of the E. J. Longyear proposal.

Sincerely yours,

ROLAND F. BEERS, INC.

John S. Bakos

John S. Bakos
Assistant Treasurer

jsb/h
Enclosures
cc: D. E. Wyke
R. S. Young

Amended
Attachment H

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

Summary of estimated costs:

Geophysical work		$ 1,728.00
Drilling -		
Stage I	$19,567.75	
Stage II	26,880.25	
		46,448.00
Total estimated costs		$48,176.00

OFFICIAL FILE COPY
O. M. E.
RECEIVED OCT 31 1960

DATE	INITIALS	CODE

Amended
Attachment H
Continued

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

7. Estimate of Drilling Costs:

Stage I Drilling

(a) Independent Contracts

An independent contract will be let for the entirety of the proposed drilling. The total estimated cost for drilling 8780 feet in two stages is $46,448.00, based on the accompanying lowest bid for wire line equipment, submitted by E. J. Longyear Co., as shown below.

Mobilization and demobilization of personnel and drilling equipment 2 rigs $600 each	$ 1,200.00	
Overburden drilling - From land locations - 0 to 50 feet in depth - 150 feet @ $4.95/ft.	742.50	
Wire line equipment BX Core - Ledge to 500 feet - 2850 feet @ $4.45/ft	12,682.50	
500 to 1000 feet - 540 feet @ $4.80/ft	2,592.00	
Delay time - 5 hrs. @ $8.50/hr.	42.50	
Tractor for preparation of drill sites and building and maintaining access roads - 25 hrs. at $5.00/hr.	125.00	
Total independent contracts		$17,384.50

computed as part of 50.5 pct for incidentals in contract. S.P.H.

(b) Personal Services

The drilling program will be served by a staff supervising geologist from the Operator's Rockport, Maine office. It is proposed that the staff geologist will devote one-half of his time to the project in order to effectively handle the assignment. It is estimated that the entire program will require a minimum of five months.

Geologist - 2 mos. - 1/2 time - $750./mo.	750.00	
Labor (as needed) - 40 hrs. - $2/hr.	80.00	
Stenographer - 24 hrs. - $1.50/hr.	36.00	
Total personal services		866.00

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

7. Estimate of Drilling Costs - Continued:

Stage I Drilling - Continued:

(c) Operating Materials			
Core boxes - 89 @ $2.75		244.75	
Gasoline and oil for truck		50.00	
Total operating materials			294.75
(d) Operating equipment			
1955 Chevrolet Panel truck -			
Fair market value $100.00			
Depreciation - 2 mos. - $8.25/mo.			16.50
(e) Rehabilitation and repairs			None
(f) New Buildings, improvements, installations			None
(g) Miscellaneous			
I. Assays			
Ni and Co -			
80 assays at $9 for both	720.00		
Cu, S and Fe -			
40 determinations at $1 each	40.00	760.00	
II. Workmen's compensation and employer's liability insurance		12.00	
III. F.I.C.A. tax and unemployment insurance		60.00	
IV. Office and drafting supplies for maintaining records, preparation of maps and reports		24.00	
V. Telephone and telegraph		15.00	
VI. Accountant - 3 days - $45/day		135.00	
Total miscellaneous			1,006.00
Total all categories - Stage I			$19,567.75

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

7. Estimate of Drilling Costs - Continued

Stage II Drilling

(a) Independent Contracts		
Overburden drilling - From land locations - 0 to 50 feet in depth - 120 feet @ $4.95/ft.	$ 594.00	
From ice locations - 0 to 50 feet in depth - 350 feet @ $4.25/ft.	1,487.50	
50 to 100 feet in depth - 300 feet @ $5.00/ft.	1,500.00	
Wireline equipment - BX Core - Ledge to 500 feet - 4030 feet @ $4.45/ft.	17,933.50	
500 to 1000 feet - 440 feet @ $4.80/ft.	2,112.00	
Delay time - 8 hrs. @ $8.50/hr.	68.00	
Tractor for preparation of drill sites and building and maintaining access roads - 20 hrs. @ $5.00/hr.	100.00	
Total independent contracts		$23,795.00
(b) Personal Services		
Geologist-3 mos.-1/2 time @ $750/mo.	1,125.00	
Labor (as needed) 60 hrs. @ $2.00/hr.	120.00	
Stenographer 36 hrs. @ $1.50/hr.	54.00	
Total personal services		1,299.00
(c) Operating materials		
Core boxes - 130 at $2.75/ea.	357.50	
Gasoline and oil for truck	75.00	
Total operating materials		432.50
(d) Operating equipment		
1955 Chevrolet Panel truck - Fair market value $100.00		
Depreciation - 3 mos. - $8.25/mo.		24.75
(e) Rehabilitation and repairs		None
(f) New Buildings, improvements, installations		None

$.56/ft. "Incidentals" in contract. S.P.H.

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

7. Estimate of Drilling Costs - Continued:

Stage II Drilling - Continued

(g) Miscellaneous

I. Assays			
Ni and Co - 100 assays at $9 for both	900.00		
Cu, S and Fe - 50 determinations, $1/ea.	50.00	950.00	
II. Workmen's compensation and public liability insurance		18.00	
III. F.I.C.A. tax and unemployment insurance		91.00	
IV. Office and drafting supplies for maintaining records, preparation of maps and reports		30.00	
V. Telephone and telegraph		15.00	
VI. Accountant - 5 days @ $45/day		225.00	
Total Miscellaneous			1,329.00
Total all categories - Stage II			$26,880.25

Longyear
E. J. LONGYEAR COMPANY
General Offices, 76 South 8th St.
Minneapolis 2, Minnesota, U. S. A.
TELEPHONE: FEDERAL 9-7091 • CABLE LONGCO

October 18, 1960

Roland F. Beers, Inc.
P. O. Box 1019
Troy, New York

Attention: Dr. Roland F. Beers, President

PROPOSED CORE DRILLING PROGRAM VICINITY UNION, MAINE

Dear Dr. Beers:

1. In response to your recent request for quotations covering core drilling operations at the above subject area, we are pleased to set forth below proposal for your consideration.

2. We understand that the program as now planned will consist of core drilling approximately 8,000 to 10,000 feet in a series of 45 degree angle to vertical holes, ranging up to approximately 600 feet in depth. We also understand that approximately one-half of the holes will be drilled from the ice cover on one or two lakes; that the formations to be penetrated consist of varying amounts of peridotite, schist and pegmatite; that AX standard or BX wire line size core is desired; and that water for drilling purposes will be available approximately twelve to fifteen hundred feet from any proposed drill hole.

3. For this work we propose to furnish one or two complete Longyear core drilling machines of suitable capacity, together with all accessory equipment required to complete the work as now planned. We further propose to operate the drill or drills on a two-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 outlined above, we are pleased to quote as follows:

A. Mobilization and demobilization of personnel and drilling equipment.....$600.00 per rig

B. Overburden Drilling

1. From land locations in vertical or angle holes with minimum inclination of 45 degrees measured from the horizontal

0 to 50 feet in depth.....$4.95 per foot
50 to 100 feet in depth.....$5.95 per foot

2. From ice locations, vertical holes only

0 to 50 feet in depth.....$4.25 per foot
50 to 100 feet in depth.....$5.00 per foot

C. Diamond core drilling in holes as specified above

	NX STD (Collaring only)	AX STD BX WL
Ledge to 500 feet.....	$4.75 per ft.	$4.45 per ft.
500 to 1000 feet.....	$ -	$4.80 per ft.

D. Reaming for casing if necessary.....$2.25 per foot for all sizes involved

E. Supplying water if source is in excess of 1500 feet from the drill site, an additional charge of 25 cents per foot drilled will be made to cover additional costs involved in either hauling or pumping water to the drill site.

F. Cementing, waiting for cement to set and drilling out cement.....$9.50 per hour plus cost of materials used

G. Inclination tests.....$9.50 per hour

H. Delays for your convenience or for which you are responsible.....$8.50 per hour

I. Tractor service as required for preparation of drill sites and for building and maintaining access roads.....$5.00 per hour

6. Drill cores will be turned over to your representative at the drill site in core boxes provided by you.

7. Statements will be rendered as promptly as possible after the first of each month and payment is to be made within 20 days from date of receipt of such invoices for all work done during the previous calendar month.

8. We very much appreciate the opportunity to consider this program. If awarded this contract, we would be prepared to start the work within a maximum of 30 days after receipt of official notice to proceed.

Sincerely,

E. J. GOODYEAR COMPANY

Vice President and Manager
Contract Drilling Division

M.J. Gleason:mcr

ACCEPTED:

ROLAND F. BEERS, INC.

By_____

Date_____

ROLAND F. BEERS, INC.

OFFICE AND LABORATORY:
447 PINEWOODS AVENUE
PHONE ASHLEY 2-2351

MAIL ADDRESS:
POST OFFICE BOX 1019
TROY, NEW YORK

October 24, 1960

OFFICIAL FILE COPY
O. M. E.
RECEIVED OCT 26 1960

DATE	INITIALS	
10/26	COC	220
"	SPH	500

Mr. Frank E. Johnson, Acting Director
Office of Minerals Exploration
Washington 25, D. C.

Subject: Application for Financial Assistance in Minerals Exploration for Nickel
Dated October 1960, Docket No. OME-6104
Crawford Pond, Knox County, Maine

Dear Mr. Johnson:

I wish to give you additional information bearing on the pending application captioned above.

The applicant acts in the capacity of manager for the co-owners of properties acquired in their behalf; the provisions of this arrangement are contained in an agreement dated January 1, 1955 and supplemented agreements. The applicant also acts as nominee for all of the co-owners and holds title to all properties in trust for their respective accounts.

Programs of exploration are subjects of annual agreements and specify the amounts of expense which shall be incurred by the manager, as well as the allocation of the total annual expense among the several exploration projects. Once the annual agreement has been approved by the co-owners, no modifications, other than a nominal variation in total expenditures, can be made by the manager without first obtaining the approval of a two-thirds majority of the co-owners in interest.

The funds in the treasury as of this date will see us through November 30, 1960. In formulating the exploration program subsequent to November 30, 1960, which encompasses work on the Crawford Pond Prospect only, the pending application was included. The co-owner's share of expense after allowing for OME assistance was budgeted and approved by the co-owners. It is not possible for the applicant to increase the amount of expenses as explained above. Either we will abide by the present plans, or we will be obliged to drop the program. Our co-owners refuse to make payments in

excess of the amount scheduled and as stated above the only project subsequent to November 30, 1960 is that encompassed in this application. The decision of the Government in acting on the preceding application will have a profound effect on the economic potential of this prospect.

If you require further information, we will be glad to comply with your request.

Very truly yours,

ROLAND F. BEERS, INC.

John S. Bakos

John S. Bakos
Assistant Treasurer

jsb/h

ROLAND F. BEERS, INC.

OFFICE AND LABORATORY:
447 PINEWOODS AVENUE
PHONE ASHLEY 2-2351

MAIL ADDRESS:
POST OFFICE BOX 1019
TROY, NEW YORK

October 14, 1960

Mr. Frank E. Johnson,
Acting Director
Office of Minerals Exploration
Washington, D. C.

Subject: Application for Financial Assistant in Exploration for Nickel-Maine

Dear Mr. Johnson:

Accompanying this letter you will find four copies of an Application For Financial Assistance in Minerals Exploration. MME Form 40 has been completed in accordance with the General Instructions, and all material applicable to our application is attached thereto. Each item is identified on the back of the form by the item number to which it applies.

In order not to delay the transmittal of this application to your office, certain items have been omitted, and will be forwarded promptly upon their receipt by this office. The omitted items include (1) a third bid for drilling services by E. J. Longyear, which is expected any day; (2) confirmation of claims which have been recorded with the Maine Mining Bureau; (3) additional property description which is now in process for two of the three leases; and (4) exact copies of the leases, including that on the staked claims from the State of Maine. These will be completed within the coming week.

I trust that you will find this application in good order and that you will be able to process it without delay. Dr. Robert S. Young will represent this company in submitting this application to you, and you may feel free to ask him any questions which may arise in your examination of the material. We appreciate your kind cooperation in considering this matter.

Sincerely yours,

ROLAND F. BEERS, INC.

Roland F. Beers

President

rfb/h
Enclosures - 4
cc: D. E. Wyke
R. S. Young

MME Form 40
Dec. 1958

Budget Bureau No. 42-R1368
Approval expires Dec. 31, 1963

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

APPLICATION FOR FINANCIAL ASSISTANCE IN MINERALS EXPLORATION

Pursuant to Public Law 85-701 (72 Stat. 700; 30 U.S.C. 641)

NAME OF APPLICANT *(Full legal name and mailing address as they should appear on contract if one is executed.)*

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER: OME-6104

DATE RECEIVED: 10-18-60

REGION: IV

DIVISION CODE: 500

BUSINESS ORGANIZATION *(Check one)*

- INDIVIDUAL [ ]
- CORPORATION [X]
- PARTNERSHIP [ ]
- OTHER *(Specify)* [ ]

STATE IN WHICH FIRM IS ORGANIZED: New York

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE
See Attachment A		

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE: Nickel

ESTIMATED COST OF PROJECT: $ 50,674.00

PROPERTY NAME	LOCATION COUNTY	STATE
Crawford Pond	Knox	Maine

GENERAL INSTRUCTIONS

Before filling out this application, please read the *OME Regulations for Obtaining Federal Assistance in Financing Explorations for Mineral Reserves* (30 CFR Chap. III). To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit four copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 2, existing mine workings and geology in item 3, and the proposed exploration work in item 5. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 3(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Office of Minerals Exploration, Department of the Interior, Washington 25, D. C., or with the nearest OME Field Office.*

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, and that he would not ordinarily undertake the proposed exploration under current conditions and circumstances at his sole expense.

October, 1960
DATED

Roland F. Beers
BY *(Signature)*

President
TITLE

statement or certification to any Department or Agency of the United States Government is a criminal offense.
18, Sec. 1001.

INFORMATION REQUIRED WITH THIS APPLICATION

1. Financial Eligibility: Attachment B

(a) Submit evidence of efforts made within 90 days preceding the filing of this application to obtain credit from your bank of account and at least one other banking institution or other private source of credit. Such evidence shall include true copies of correspondence which show: (1) date of loan request, (2) amount and terms requested, (3) proposed use of loan funds, and (4) the replies from credit sources. If the loan was offered under terms which you consider unreasonable, state why you consider them so.

(b) List names and addresses of affiliated, parent, or controlling companies or organizations and state extent and nature of their interest.

(c) State how you propose to furnish your share of the cost of the exploration work.

2. Applicant's Rights in Land: Attachment C

(a) State your interest in the land and mineral rights, whether owner, lessee, purchaser under contract, or other. If you are not the owner, submit one true copy of the lease, contract, or other document (with address of owner) under which you control the property. Describe all liens, mortgages, or other encumbrances on the land and state book and page number and official place where recorded.

(b) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all adjacent land which you own or control. Describe any part of the land or workings which should not be subject to Government royalty and liens. If the land consists of unpatented claims, state book and page number for each recorded location notice, including amended locations, and official place where recorded. State all the names by which you know the property.

(c) For all land or mineral rights encumbered or not owned, submit five copies of Lien and Subordination Agreements on MME Form 52. If the agreements cannot be obtained, state reasons and provide copies of letters of refusal.

3. Physical Description: Attachment D

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the land. Include existing mine workings and all production facilities.

(b) State your interest, if any, in operations described in (a).

(c) State, if you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves, giving quantities and grades and sampling methods used. Support your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you have, indicating whether you require their return.

4. Accessibility of Property: Attachment E

(a) To aid the OME representative who may examine the property, state name and address of person who will meet him; give directions for reaching the property; and describe accessibility of property and of any mine workings.

(b) Name the shipping and supply points and state the distances to the property.

5. Exploration Work: Attachment F

(a) Describe fully the proposed exploration work giving individual footages and sizes of openings *for each item of work.* Use narrative, maps, plans, and sections as necessary. Show location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *land boundaries* or to the closest identifiable corner.

(b) If an access road must be built, show the proposed location on the property map and state the length, type and construction methods proposed.

(c) If an OME contract is executed, state how soon thereafter work would be started and finished. State your anticipated average daily or monthly rate of progress for each type of work.

6. Experience: Attachment G

State your operating experience and background to conduct this exploration work and also that of the person who will supervise the work.

7. Estimate of Costs: Attachment H

Furnish detailed estimates of the necessary costs *for each item of the work proposed in 5(a)* under the headings listed below with a total for each heading and the estimated total cost of the work. Costs for any work to be performed by an independent contractor should be listed separately under category (a) below. Costs for any work that is not to be performed by an independent contractor should be listed under categories (b) through (g).

(a) Independent contracts. State the total cost of any proposed independent contract for all or any part of the work, and the number of units and the unit cost for each type of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, or per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. (*Note*—If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. The cost of supervision, engineering and geological services, outside consultants, and labor should be itemized by numbers and classes of employees; rates of wages, salaries or fees; and periods of employment. State whether these services are available.

(c) Operating materials and supplies. List items of material and supplies giving quantity and cost of each. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of equipment and tools costing $50 or more per unit. Give specifications and indicate how each item is to be acquired—i.e., rented, purchased or provided by the applicant. If rented or purchased, state the estimated rental or purchase price. If furnished by the applicant, state condition and present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant which will be used in the exploration work.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration work, stating specifications and cost including labor, materials, and supervision.

(g) Miscellaneous. Describe the type and estimate the cost of repairs and maintenance of the operating equipment listed in 7(d). Do not repeat initial repairs listed in 7(e). Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories. [*Note*—The Government will not contribute to costs incurred before the date of the contract, or to costs of or incident to: (1) acquiring, using, or possessing land and any existing improvements, facilities, buildings, installations, and appurtenances, or the depreciation and depletion thereof; (2) general overhead, corporate management, interest and taxes (other than payroll and sales taxes); (3) insurance (other than employees' liability insurance); and (4) damages to persons or property (other than authorized repair to or replacement of equipment or other property used in the work).]

INT.-DUP. SEC., WASH., D.C. 50399

Attachment A

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

Names and addresses of Principal Officers:

Roland F. Beers, President and Treasurer
465 Pinewoods Avenue, Troy, New York

Helen C. Beers, Vice President
465 Pinewoods Avenue, Troy, New York

Frank A. McNamee, Jr., Secretary
75 State Street, Albany, New York

finanzpol
abgeschlossen

Attachment B

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

1. Financial Eligibility:

(a) The applicant, in order to carry out its proposed exploration program, has made formal requests for a loan for $25,500.00 (50%) of the total cost of the proposed program with the Manufacturers National Bank of Troy, New York and National Commercial Bank and Trust Company, Albany, New York. Both banking institutions turned down the request. Attached hereto are copies of the letters of request and replies from the banking institutions.

(b) The applicant is the manager of operations for the co-owners of properties acquired in their behalf through programs of exploration. This group of co-owners is known as the Second American Syndicate. Their names and addresses follow:

John S. Bakos, R.D. 1, Averill Park, New York
Basic Incorporated, 845 Hanna Building, Cleveland 15, Ohio
Francis M. Bator, 8 Wyman Street, Cambridge, Mass.
Paul M. Bator, 997 Memorial Drive, Cambridge 38, Mass.
Peter A. Bator, 1170 Fifth Avenue, New York 29, N. Y.
Victor Bator, 30 East 72nd Street, New York 21, N. Y.
Roland F. Beers, P. O. Box 1019, Troy, New York
Roland F. Beers, Inc., P. O. Box 1019, Troy, New York
Clifford F. Casey, RFD 1, Melrose, New York
Shirley H. Clickner, RD #3, Troy, New York
Eugene F. Connally, 471 Second Avenue, Troy, New York
Erwin N. Darrin, Box 2465, Spartanburg, South Carolina
James R. Dunn, P. O. Box 904, Troy, New York
C. Emory Lochner, 75 State Street, Albany, New York
Shepard W. Lowman, P. O. Box 876, Troy, New York
W. W. MacGregor, 110 Gerry Road, Chestnut Hill 67, Mass.
Baldwin Maull, Box 2006, Buffalo, New York
W. Hitchcock Robinson, 2507 Chestnut View Drive, Lancaster, Penn.
Salomon Bros. & Hutzler, c/o John Stevenson, 60 Wall St., N. Y. City
John M. Schiff, 30 Wall Street, New York City 5, N. Y.
South Texas Development Company, 90 State Street, Albany, N. Y.
Lewis E. Tufts, Tryon Drive, Lewiston, New York

The applicant also acts as nominee for all of the co-owners and holds title to all properties in trust for their respective accounts.

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

(c) An oral poll of the co-owners of the properties has affirmed the applicant's action in filing this application and the co-owners have agreed to finance no more than one-half of the entire cost of the proposed exploration work. It is not possible for the applicant to increase the amount of expense allocated for the proposed work. Either we will abide by the program, as presently written, or we will be obliged to drop the project from our program.

Attached hereto is the balance sheet of the applicant at August 31, 1960 and the financial statements of the Second American Syndicate at December 31, 1959

October 11, 1960

Manufacturers National Bank of Troy
Troy
New York

Attention: Mr. Edward R. Hansen,
Assistant Vice President

Dear Mr. Hansen:

A request is hereby made for a loan of $25,500.00 with interest. The proceeds of the loan are to be used to defray 50% of the cost of core drilling and geophysical exploration work on the Nickel, Cobalt deposit in Union, Knox County, Maine.

Enclosed is the balance sheet of the Corporation at August 31, 1960.

Very truly yours,

ROLAND F. BEERS, INC.

Assistant Treasurer

jsb/h
Enclosure

THE
MANUFACTURERS NATIONAL BANK
TROY, NEW YORK

1 1960

EDWARD R. HANSEN
ASSISTANT VICE PRESIDENT

FRANKLIN SQUARE OFFICE
TELEPHONE ASHLEY 3-4440

October 11, 1960

Mr. John S. Bakos, Assistant Treasurer
Roland F. Beers Incorporated
P. O. Box 1019
Troy
New York

Dear John:

Thank you for forwarding the application of Roland F. Beers Incorporated for a loan of $25,500.00 to be used in drilling and geophysical exploration work in Union, Knox County, Maine.

Our Executive Officers reviewed the financial statement of Roland F. Beers Incorporated, submitted by you and feel that on the basis of these financial figures the loan would not fit in with our usual banking policies.

Very truly yours,

Edw. R. Hanson

ERJ:hl

Edward R. Hanson
Assistant Vice President

October 11, 1960

National Commercial Bank and Trust Company
60 State Street
Albany 1, New York

Attention: Mr. William E. Davison,
Vice President

Dear Mr. Davison:

A request is hereby made for a loan of $25,500.00 with interest. The proceeds of the loan are to be used to defray 50% of the cost of core drilling and geophysical exploration work on the Nickel, Cobalt deposit in Union, Knox County, Maine.

Enclosed is the balance sheet of the Corporation at August 31, 1960.

Very truly yours,

ROLAND F. BEERS, INC.

Assistant Treasurer

jsb/h
Enclosure

RECEIVED
OCT 12 1960

THE NATIONAL COMMERCIAL BANK AND TRUST COMPANY

GEORGE A. COLEMAN
Assistant Cashier

ALBANY 1, NEW YORK

October 11, 1960

Mr. John S. Bakos,
Assistant Treasurer
Roland F. Beers, Inc.
P. O. Box 1019
Troy, New York

Dear Mr. Bakos:

We have carefully considered your request for a $25,500. loan to be used to finance part of the expense of drilling and exploration work in Knox County, Maine.

We regret that this application has been declined for the reason that we have no assurance that the drilling will be successful, therefore, no definite statement as to when this loan could be paid.

Very truly yours,

George A. Coleman

Assistant Cashier

gac/pmp

ROLAND F. BEERS, INC.

BALANCE SHEET, August 31, 1960

ASSETS

Cash in bank		$ 523.22
Accounts receivable		7,834.29
Equipment	$ 9,591.78	
Less allowance for depreciation	2,175.58	7,416.20
Land		190.18
Deferred minerals exploration costs and expenses		19,474.63
Prepaid expenses		392.36
Total assets		$35,830.88

LIABILITIES and CAPITAL

Account payable		$ 18.65
Accrued New York State franchise tax		150.00
		168.65
Capital -		
Preferred - $100 par value, 5 pct. non-cumulative, authorized and issued 450 shares	$45,000.00	
Common - $10 par value, authorized and issued 500 shares	5,000.00	
	50,000.00	
Deduct - Deficit in earnings	14,337.77	
Capital		35,662.23
Total liabilities and capital		$35,830.88

Attachment C

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

2. Applicant's Rights in Land:

(a) The property rights of Roland F. Beers, Inc., in the Crawford Pond prospect area are in three categories:

i. lease holder
ii. claim holder

Accompanying property and claim maps show the areal distribution of the various properties under the control of Roland F. Beers, Inc. Under present plans, exploration is confined to Elmer C. Hart, Sidney M. Bird and Leroy G. Williams and thirty-eight (38) claims under the Lakes with the State of Maine. Property boundaries shown on attached geological-geophysical maps are believed to be reasonably accurate.

(b) Property descriptions follow:

Lease - (9.0 - 1 - 124/126)
Elmer C. Hart and Lois M. Hart
Warranty - Book 287, Page 180
Clarence E. Hilt
to
Elmer C. Hart

Beginning at a stake standing at the northwesterly corner of the same on the shore of Crawford's Pond, so-called, thirty-three and one-half (33-1/2) rods from the southwesterly corner of land of John Payson on said Pond; thence South, forty-one degrees east, one hundred and thirty-three (133) rods to a birch tree marked on three sides at land of Christopher Young; thence south, twenty-two degrees west, on said Young's land, thirty-three (33) rods to a notch cut in a large hemlock tree blown down; thence north, forty-one degrees west, one hundred and eighteen (118) rods to Crawford's Pond at a bush marked on three sides; thence northeasterly by said Pond, thirty-one (31) rods to the point of beginning; containing twenty-four (24) acres, more or less.

Dated February 4, 1946, Recorded February 6, 1946, Knox Registry of Deeds.

Attachment C
Continued

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

Lease - No. ? ?
Sidney M. Bird and Daisy Bird

Parcel No. 1: Lands conveyed by Knox Lumber Products, Inc., to said Sidney M. Bird by Warranty Deed dated April 26, 1955 and recorded in the Knox County Registry of Deeds on May 7, 1955, in Book 345 at Page 119, containing fourteen (14) acres, more or less.

Parcel No. 2: Lands conveyed by Donald M. Farrand and Kenneth R. Spear to said Sidney M. Bird by Warranty Deed dated May 21, 1955, and recorded in the Knox County Registry of Deeds on May 23, 1955, in Book 345 at Page 169.

Lease (No. 9.0-1-1.25)
Leroy G. Williams
Quit Claim Deed - Book 327, Page 235

Heirs of Augustus E. and Laura G. Williams
to
Leroy G. Williams

Beginning at a stake and stones on the eastern shore of Crawford's Pond at the southwest corner of land formerly of Thurston Whiting, thence easterly by Thurston Whiting land fifty-two and three-fourths rods to a stake and stones at the northwest corner of land formerly of Joseph and William Vaughn, thence southerly and westerly by land of said Vaughn thirty-one rods and fourteen links to a stake and stones, thence westerly by a line parallel to the first named line to a stake and stones on the shore of said Crawford's Pond, thence northerly and easterly by shore of said pond to the first mentioned bounds, containing ten (10) acres, more or less.

Dated November 28, 1952, Recorded Knox Registry of Deeds.

Attachment C
Continued

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

Roland F. Beers, Inc. is the legal holder of 38 claims or parts thereof, 20 of which are located on Alford Lake, Town of Hope, County of Knox, State of Maine; and 18 of which are located on Crawford Pond, Towns of Union and Warren, County of Knox, State of Maine.

Said claims on Alford Lake were staked by Vernon R. Geyer in behalf of Roland F. Beers, Inc. at 9:00 A. M., January 13, 1958, and a copy of the attached map is on file in the Office of Maine Mining Bureau, State Office Building, Augusta, Maine.

Said claims on Crawford Pond were staked by Robert S. Young in behalf of Roland F. Beers, Inc. at 8:00 A. M., November 14, 1957. Authorized claim applications were recorded with the Maine Mining Bureau, under the signature of John R. Rand, State Geologist, at 3:30 P. M., November 14, 1957. The recorded claims are on file in the Office of the Maine Mining Bureau, State Office Building, Augusta, Maine. The attached map covering these claims is a portion of that which is on file in the Office of the Maine Mining Bureau, State Office Building, Augusta, Maine.

* * * * *

"Consent to Government lien" forms are not attached. Roland F. Beers, Inc. will submit bond to secure repayment in lieu of "consent to lien" from the individual landowners.

Description of Work

Attachment D

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

Reference: Docket No. DMEA-4947
Contract No. Idm-E 1224
Roland F. Beers, Inc. (Operator)

3. Physical Description:

The subject of this application is similar to that covered in the reference given above. During the course of the captioned contract, an extension of the EM conductor was observed under the waters of Crawford Pond. Diamond core drilling through the ice resulted in intersections with nickel-bearing sulfides at four rather widely spaced points, located from 800 to 3200 feet apart. For more detailed information on the nature of the nickel-bearing sulfide body, reference should be made to the final report of the above-captioned contract. The present application is intended to cover that segment of the conductor hitherto not explored by diamond drilling to establish the presence of a mineable body of nickel ore. It is proposed to explore the new area by a program of core drilling, aided by a small amount of geophysics, the purpose of which is to economize on the drilling costs by accurately locating each drilling site prior to actual drilling. The success of this procedure was demonstrated in the previous contract.

It is proposed to employ ground magnetometer, vertical and horizontal coil electromagnetic surveys in the accurate location of each drilling site. Tentative locations for the core holes are shown in Exhibit A attached hereto. For each of the proposed locations, confirmation will first be established by the geophysical surveys. Minor changes in any location may result from these measurements, but in every case the final location will be determined by the precise measurements of the surveys. A description of each of the proposed methods will be found in the application to the captioned contract, and in the final report thereof.

E

Accountability of Report

Attachment E

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

4. Accessibility of Project:

(a) OME representatives will be conducted to the property by representatives of the applicant, Roland F. Beers, Inc., P. O. Box 1019, Troy, New York (Telephone: Ashley 2-2351), upon application.

As can be seen on accompanying maps, the Crawford Pond prospect is readily accessible. For purposes of this description, it is assumed that the approach will be made from either Rockland or Augusta.

From Rockland: Proceed westward on Route 17 to East Union (11.6 miles); turn left at the Pioneer Grange Hall and proceed on surfaced road 0.6 miles; turn right and follow dirt road 0.8 miles to a red farmhouse (Harriman house) on right (north) side of road. The house is at grid coordinates 2.5S + 1E.

From Augusta: Proceed eastward on Route 17 to the village of Union (approximately 28 miles); follow Route 17 through Union 1.4 miles (from village square) to dirt road on right; proceed on dirt road 0.6 miles to red farmhouse (Harriman house) on left side (north) of road. Farmhouse is at grid coordinates 2.5S + 1E.

(b) Shipping and supply points are:
Rockland (14 miles east on Route 17), and
Augusta (28 miles west on Route 17).

Employees will reside at Rockland (14 miles), Rockport (16 miles), or Union (2 miles).

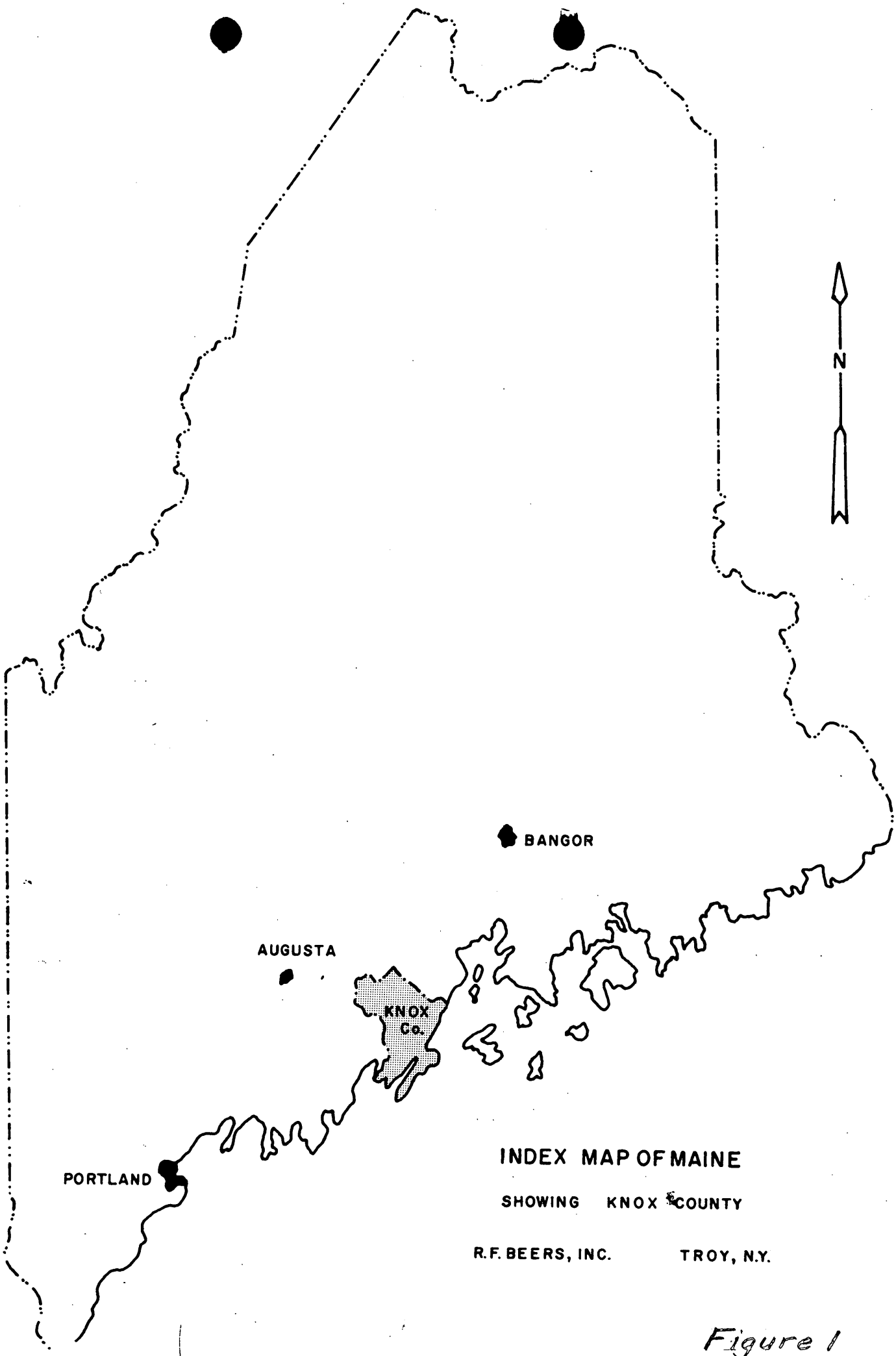
N
BANGOR
AUGUSTA
KNOX Co.
PORTLAND
INDEX MAP OF MAINE
SHOWING KNOX COUNTY
R.F. BEERS, INC. TROY, N.Y.

Figure 1

F

Exploration

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

5. Exploration Work:

(a) The purpose of the proposed exploration work is to establish the presence and location of a body of nickel-bearing pyrrhotite which has been indicated by geophysical exploration and a small amount of test borings. In order to justify the funds necessary to develop and mine such an ore body, it is necessary to confirm its presence and location by drilling intersections at intervals spaced not less than 200 feet apart. It is proposed to attack this problem in two stages. A small amount of geophysical surveying will be done concurrently with the drilling, to confirm the exact location of each of the proposed drill sites. The holes for Stage I drilling will be drilled into the conductor as then established, first at an angle of 45 degrees, and then, if an intersection has been found, from the same collar, at an angle of 60 degrees.

The first drilling in this pattern will begin at traverse 52-S, where an intersection with a vertical hole (E-3) found ore at a depth of 225 feet to 290 feet. Drill hole E-52-2 should intersect the ore body at not more than 500 feet from the collar, located at 52S + 7.25E. If this hole intersects ore, then a second hole (E-52-3) from the same collar at an angle of 60 degrees, should intersect the ore again at a slant depth of 600 to 700 feet, depending upon the dip of the ore body. If this hole intersects the ore body, there will then be three subsurface points of intersection, and thereby permit an estimate of the depths of intersections on future holes to better advantage.

The next location is proposed for traverse 60S, where a 45 degree hole (E-4) has previously intersected ore at a slant depth of 250 to 444 feet. The new hole, E-60-2, at an angle of 60 degrees, should intersect the ore at a slant depth of from 500 to 600 feet. Any information which will improve the accuracy of the predicted intersection will, of course, be applied to each of the new holes as the program moves forward. This statement applies to geophysical measurements as well as to drilling data. The third tier of holes is proposed at traverse 56.2, midway between the two previous tiers and should find an intersection from the

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

45 degree angle at about 500 feet (Hole E-56.2).
As a final tier in Stage I, two holes are proposed at Traverse 64-S, where intersections from the 45 degree and 60 degree angles collared at 64S + 4.7E should be found at slant depths of 520 and 720 feet, respectively. All the proposed locations are summarized in the Table attached hereto.

Stage II Exploration Work.

If the foregoing work proves as successful as expected, a second Stage of drilling exploration will be requested. The precise disposition of Stage II drilling, both in location and depth of hole, must necessarily depend upon the results of Stage I drilling. The details of Stage II drilling should be formulated late in Stage I through conferences between the OME Field Team and a representative of the Operator.

It is requested that consideration be given to the use of wire line core barrel in conjunction with the standard diamond drill equipment. The experience of the Operator on the previous contract with wire line core barrel showed that superior recovery of core will result (better than 99%) and, moreover, less time will be lost on the job in recovering cores.

This Stage will extend the drilling to traverses 46-S and 68-S, distances of 400 feet north and 400 feet south of the last previous intersections. Two holes, at angles of 45 and 60 degrees, respectively, are proposed at each of these locations.

Stage II will also include four vertical holes drilled at intermediate locations and will be recommended only if necessary to establish the presence and location of the ore body at traverses 48-S, 50-S, 62-S and 66-S. None of the proposed locations will result in intersection closer than 200 feet from previous intersections. Finally, three vertical holes drilled through the conductor on Alford Pond, to the north of Crawford Pond, where geophysics has delineated a strong trend equal in significance to that on Crawford Pond.

The total footage proposed for Stage I is 3540 feet maximum, and for Stage II 5240 feet maximum, making a total for this application in two Stages of 8,780 feet. (See Table attached.) Table attached

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

(b) It will not be necessary to build access roads to the project.

(c) In the event that an exploration project with OME is executed, the work will start within thirty (30) days. Stage I drilling should be completed within eight weeks from the initial drilling date. Stage II will require an additional eleven and three-quarter weeks. The entire project, including assays and final report, should be completed within thirty-two weeks from date of contract award. Eight weeks should be allowed for completion of the final report. These time estimates are based upon the following schedule:

Estimated rate of drilling per shift: 25 feet
Number of shifts: 2
Number of drills: 2. Total daily rate, estimated: 100 feet.
Work week: 6 days. Weekly drilling rate: 600 feet.
Weeks required to drill 3540 feet: 6 weeks.
Allowance for moving, breakdown, etc.: 2 weeks.
Total time, Stage I: 8 weeks.
Weeks required to drill 5240 feet: 8-3/4 weeks.
Allowance for moving, breakdown, etc.: 3 weeks.
Total time, Stage II: 11-3/4 weeks.

Schedule for entire contract:

Execution of contract to drilling:	4 weeks
Stage I drilling	8 weeks
Stage II drilling	11-/34 weeks
Assaying and report preparation:	8 weeks.
Total:	31-3/4 weeks.

ROLAND F. BEERS, INC.
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Troy, New York

PROPOSED DRILL HOLE LOCATIONS

Hole No.	Hole Angle	Collar Location	Azimuth	Estimated Depth
STAGE I DRILLING		Lands Adjacent to Crawford Pond		
E 52-2	-45°	52S + 7.25E	N 78° W	500 feet
E 52-3	-60°	52S + 7.25E	N 78° W	700
E 60-2	-60°	60S + 5.5E	N 63° 30' W	600
E56.2-1	-45°	(target 55.5S) 56.2S + 6.9E	N 63° 30' W	500
E 64-1	-45°	64S + 4.7E	N 78° W	520
E 64-2	-60°	64S + 4.7E	N 78° W	720
		Total Stage I		3,540
STAGE II DRILLING		Lands Adjacent to Crawford Pond		
E 46-1	-45°	46S + 8.2E	N 78° W	520
E 46-2	-60°	46S + 8.2E	N 78° W	720
E 68-1	-45°	68S + 3.8E	N 78° W	500
E 68-2	-60°	68S + 3.8E	N 78° W	700
		Crawford Pond		
E 48-1	-90°	48S + 4.6E		400
E 50-1	-90°	50S + 4.28E		400
E 62-1	-90°	62S + 1.5E		400
E 66-1	-90°	66S + 0.8E		400
		Alford Lake		
A- 0-1	-90°	0 + 3.5W		400
A-10-1	-90°	10N + 1.95E		400
A-32-1	-90°	32N + 12.9E		400
		Total Stage II		5,240
		Grand Total		8,780

(Attachment 5. Roland F. Beers, Inc. letter November 9, 1960)

G

Experience
Consultants

Attachment G

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

6. Experience:

The Crawford Pond exploration program, outlined herein, although localized, will have access to the entire technical staff and operational facilities of Roland F. Beers, Inc.

The geophysical surveying program was accomplished wholly by Staff personnel. Geological interpretations were made with the aid of consultants. The preparation of this application, with the recommendations and decisions incorporated, was a Staff function.

The Corporation has for several years been conducting an extensive geological, geophysical and geochemical prospecting program in the eastern United States. This program has included prospect drilling.

Roland F. Beers is president of the Corporation and provides overall managerial direction. Further, Dr. Beers acts as geophysical consultant on all individual projects.

Beers, Roland F. - Consultant and General Manager:
b. June 6, 1899. Ed.: R. P. I. '21 E. E., M. I. T. '28 S. M. (E. E. and Math.), Harvard Grad. Sch. Arts and Sc. '40-'41 Ph. D. (Geol.) '43.
Professional Experience: '21-'22, Inst. Physics and E. E., R. P. I.; -'23, Engg. Dept. Western Elec. Co., N. Y. C.; -'27, Raytheon Mfg. Co.; -'28, Subm. Signal Co.; -'37, V. Pres. G. S. I., Dallas; -'52, Chm. Bd. and Pres. Geotechnical Corp., Dallas; -'46 to date, partner, Beers and Heroy, Troy, N. Y. and Dallas; '55, President, Roland F. Beers, Inc., Troy; '43-'46, Research Assoc., M. I. T.; '47-'48, Lecturer, R. P. I.; '49-'52, Professor of Geophysics and Head, Dept. Fuel Resources, R. P. I.; '48-'51, Director, W. & L. E. Gurley Co., Troy; Director, Aeromagnetic Surveys Ltd., Canadian Airborne Geophysics, Ltd., Hunting Geophysics, Ltd. (London), Manufacturers National Bank, Troy.
Fellow, G. S. A., Amer. Acad. Arts & Sciences, N. Y. Acad. Sci., A. A. A. S., Chmn. J. R. D. B. Cte. on Geophysics, '46, Member Nat. Res. Council Cte. on Meas. Geol. Time, '47 to date; A. S. T. M. Ctes. on Surface and Sub-surface Exploration and Dynamic Properties of Soil, '47-date;

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

Beers, Roland F. (Continued) -
U. S. Delegate to I. U. G. G. Rome, '54; Member, Panel on Seismology and Gravity, International Geophysical Year, '55-. A. G. I. Delegate to Nuclear Engineering and Science Congress, '55, Member, Petroleum Industry Radioactivity Advisory Cte., -'55; Member, S. E. G., S. Ex. G., S. E. P. M., A. A. P. G., A. I. M. E., Seis. Soc. Amer., A. G. U., Can. I. M. M. E., I. R. E.

* * * * *

The exploration program, as outlined in this application, will be under the immediate supervision of Robert S. Young, assisted by Donald E. Wyke.

Young, Robert S. - Consulting Geologist:
b. April 14, 1922, m. '45; c. 2; B. A. Virginia, '50; M. A. '51, Ph. D. (Geol.) Cornell, '54; U. S. A. A. F. '42-'45. Field geologist, State Geological Survey, Va., '52; Stratigrapher-Structural Geologist, Va. Div. Geol., '53-'56; Lecturer, Harpur Coll. '53-'54; Consulting Geol., '54-'56, Exploration Projects, United Carbon Co., Roland F. Beers, Inc.; Branch Mgr. and Regional Geol., Roland F. Beers, Inc., '56-'59; Consulting Geologist, Roland F. Beers, Inc., '59-current. Stratigraphic, structural and economic studies in northern Shenandoah Valley; geological and geophysical exploration for sulfides in eastern United States.
Soc. Econ. Paleo. and Min.; Min. Soc. Am.; Paleo. Soc.; Am. Assn. Petrol. Geol.; Geol. Soc. Am.; R. E. S. A.; Sigma Xi; Sigma Gamma Epsilon; Appl. Geol. Soc.

Wyke, Donald E. - District Geologist and Branch Manager
b. 1/2/19; m. '42, c. 4; Ed.: U. of Wyo., B. S. '55; MS. '56; U. S. N. R. Naval Aviation '42-'45. Beers & Heroy, '52-'55; Uranium Exploration, '55-'56; District Geologist, Roland F. Beers, Inc., '56-'59; Branch Mgr. and District Geologist, Roland F. Beers, Inc., '59-current.

H

costs

Attachment H

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

Summary of estimated costs:

Geophysical work		$ 1,728.00
Drilling -		
Stage I	$20,706.75	
Stage II	28,239.25	48,946.00
Total estimated costs		$50,674.00

Attachment H

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

7. Estimate of Geophysical Work Essential to Economical Drilling

(a) Independent Contracts — None

(b) Personal Services

The geological and geophysical work will be serviced by a staff supervising geologist-geophysicist and a staff assistant from the Rockport, Maine office of the Operator and an outside consultant. It is proposed that the Supervising geologist-geophysicist together with an assistant will devote one-half of their time to the project in order to effectively handle the assignment. It is estimated that two months - at half-time - will be required to do the necessary geophysical work.

I.	Supervision - Geologist-Geophysicist - 2 mos. at 1/2 time @ $750/mo.	$ 750.00
II.	Assistant - 2 mos. at 1/2 time @ $380/mo.	380.00
III.	Stenographic work - 10 hrs. @ $1.50/hr.	15.00
IV.	Consulting geologist-geophysicist - 3 days @ $100/day	300.00
	Total personal services	1,445.00

(c) Operating materials and supplies — None

(d) Operating equipment

Magnetometer	Fair market value	$ 500.00
Sharpe EM	Fair market value	750.00
Total	Fair market value	$1,250.00

Depreciation 1/36th of Fair market value? — 35.00

(e) Initial rehabilitation and repairs — None

(f) New Buildings, fixtures, installations — None

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

7. Estimate of Geophysical Work Essential to Economical Drilling-Continued:

(g) Miscellaneous

I.	Workmen's compensation and employer's liability insurance	$ 13.00	
II.	F.I.C.A. tax and unemployment insurance	74.00	
III.	Office and drafting supplies for maintaining records, preparation of maps and reports	15.00	
IV.	Transportation, supervising geologist-automobile 500 miles @ $0.10/mile	50.00	
V.	Telephone and telegraph	6.00	
VI.	Accountant, 2 days @ $45.00/day	90.00	
	Total miscellaneous		$ 248.00
	Total all categories		$ 1,728.00

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

7. Estimate of Drilling Costs:

Stage I Drilling

(a) Independent Contracts

An independent contract will be let for the entirety of the proposed drilling. The total estimated cost for drilling 8780 feet in two stages is $48,946.00, based on the accompanying lowest bid for wire line equipment, recovering a core approximately 1-3/8" in diameter, submitted by Sprague & Henwood, Inc., as shown below.

Angle Holes			
3000 feet BX and overburden drilling to a depth of 500 feet	$4.90/ft.	$14,700.00	
540 feet BX drilling 500 feet to 750 feet	$5.15/ft.	2,781.00	
Mobilization and demobilization of men and equipment - 2 drills $500 each		1,000.00	
Delay time - 5 hrs.	$8.50/hr.	42.50	
Total independent contracts			$18,523.50

(b) Personal Services

The drilling program will be serviced by a staff supervising geologist from the Operator's Rockport, Maine office. It is proposed that the staff geologist will devote one-half of his time to the project in order to effectively handle the assignment. It is estimated that the entire program will require a minimum of five months.

Geologist - 2 mos. - 1/2 time	$750./mo.	750.00	
Labor (as needed) - 40 hrs.	$2/hr.	80.00	
Stenographer - 24 hrs.	$1.50/hr.	36.00	
Total personal services			866.00

(c) Operating Materials

Core boxes - 89	@ $2.75	244.75	
Gasoline and oil for truck		50.00	
Total operating materials			294.75

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

7. Estimate of Drilling Costs - Continued

Stage I Drilling - Continued:

(d)	Operating equipment			
	1955 Chevrolet Panel truck -			
	Fair market value $100.00			
	Depreciation - 2 mos. - $8.25/mo.			16.50
(e)	Rehabilitation and repairs			None
(f)	New Buildings, improvements, installations			None
(g)	Miscellaneous			
	I. Assays			
	Ni and Co -			
	80 assays at $9 for both	720.00		
	Cu, S and Fe -			
	40 determinations at $1 each	40.00	760.00	
	II. Workmen's compensation and employer's liability insurance		12.00	
	III. F.I.C.A. tax and unemployment insurance		60.00	
	IV. Office and drafting supplies for maintaining records, preparation of maps and reports		24.00	
	V. Telephone and telegraph		15.00	
	VI. Accountant - 3 days - $45/day		135.00	
	Total miscellaneous			1,006.00
	Total all categories - Stage I			$20,706.75

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

7. Estimate of Drilling Costs:

Stage II Drilling

(a) Independent Contracts

Vertical holes -			
2800 feet BX and overburden drilling to a depth of 500 feet	$4.65/ft.	$13,020.00	
Angle holes -			
2000 feet BX and overburden drilling to a depth of 500 feet	$4.90/ft.	9,800.00	
440 feet BX drilling, 500 feet to 750 feet	$5.15/ft.	2,266.00	
Delay time 8 hrs. @ $8.50/hr.		68.00	
Total independent contracts			$25,154.00

(b) Personal Services

Geologist-3 mos. - 1/2 time @ $750/mo.	1,125.00	
Labor (as needed) 60 hrs. @ $2.00/hr.	120.00	
Stenographer 36 hrs. @ $1.50/hr.	54.00	
Total personal services		1,299.00

(c) Operating materials

Core boxes - 130 at $2.75/ea.	357.50	
Gasoline and oil for truck	75.00	
Total operating materials		432.50

(d) Operating equipment

1955 Chrvrolet Panel truck -	
Fair market value $100.00	
Depreciation - 3 mos. - $8.25/mo.	24.75

(e) Rehabilitation and repairs — None

(f) New Buildings, improvements, installations — None

ROLAND F. BEERS, INC.
P. O. Box 1019
Troy, New York

7. Estimate of Drilling Costs: Continued:

Stage II Drilling - Continued

(g) Miscellaneous

I.	Assays			
	Ni and Co - 100 assays at $9 for both	900.00		
	Cu, S and Fe - 50 determinations at $1 each	50.00	950.00	
II.	Workmen's compensation and public liability insurance		18.00	
III.	F.I.C.A. tax and unemployment insurance		91.00	
IV.	Office and drafting supplies for maintaining records, preparation of maps and reports		30.00	
V.	Telephone and telegraph		15.00	
VI.	Accountant - 5 days @ $45/day		225.00	
	Total Miscellaneous			1,329.00
	Total all categories - Stage II			$28,239.25

SPRAGUE & HENWOOD, Inc.
Contract Division
EXECUTIVE OFFICES
221 West Olive St., Scranton, Pennsylvania
Diamond 4-8506
DIAMOND DRILLING • MINERAL EXPLORATION • SOIL SAMPLING • PRESSURE GROUTING

September 28, 1960

Roland F. Beers, Inc.,
P.O.Box 1019,
Troy, New York

Attention:- Mr. Roland F. Beers,
President

Dear Mr. Beers:-

We are in receipt of your letter of Sept. 21st advising of a resumption of Diamond Core Drilling Program in the vicinity of Union, Knox County, Maine and requesting quotation on drilling of approximately 8,000 feet to 10,000 feet and we are pleased to quote you on this work as follows:-

ITEM NO.

1 - For Mobilization and de-mobilization of men and equipment, Lump Sum -- $ 500.00 per drill rig.

VERTICAL HOLES

2 - For Installing Casing through overburden and drilling "AX" Core Holes using our "M" series double tube coreborrel to a depth of 500 feet -- $ 4.25 per lin.ft.

3a -For drilling "AX" core holes from 500 ft. to 750 ft. -- $ 4.50 per lin.ft.

ANGLE HOLES not less than 45 degrees

2 - For installing Casing through overburden and drilling "AX" Core Holes using our "M" series double tube coreborrel to a depth of 500 feet -- $ 4.50 per lin.ft.

3a -For drilling "AX" core holes from 500 ft. to 750 ft. -- $ 4.75 per lin.ft.

VERTICAL HOLES

4 - For drilling "BX" holes using wireline equipment recovering a core approximately 1-3/8" in diameter depth 0 ft. to 500 ft. -- $ 4.65 per lin.ft.

4a -For drilling "BX" holes 500 ft. to 750 ft. -- $ 4.90 per lin.ft.

ANGLE HOLES not less than 45 degrees

4 - For drilling "BX" holes using wireline equipment recovering a core approximately 1-3/8" in diameter depth 0 ft to 500 ft. -- $ 4.90 per lin.ft.

4a- For drilling "BX" holes 500 ft. to 750 ft. -- $ 5.15 per lin.ft.

9/28/60

TO:- Roland F. Beers, Inc.,
Attn:- Mr. Roland F. Beers,
President

ITEM NO.

5 - For any delay time, waiting at your convenience -- $ 8.50 per hour

For the above prices we will furnish complete drilling equipment, including experienced operating personnel. Each outfit will have a pump for pumping water from the source, including a maximum of 1,200 feet of waterline with each outfit, also heater for heating water.

You will note the core recovery with our wireline equipment will be 1-3/8" in diameter while the "AX" holes using an "M" series coreborrel will be 1-1/4" in diameter.

Payments are to be made within thirty (30) days from date of Invoice which will be issued on the first of each month covering drilling, footage, etc., drilled in the previous month.

We wish to thank you for the opportunity of quoting and would be pleased to receive your Order for this work.

Very truly yours,

SPRAGUE & HENWOOD, INC.,

W.J.Schank,
Vice President

WJS:GTR

JOY MANUFACTURING COMPANY

MICHIGAN CITY, INDIANA

October 6, 1960

Roland F. Beers, Inc.
P. O. Box 1019
Troy, New York

Attention- Mr. R. F. Beers, President

Dear Mr. Beers:

In compliance with your bid invitation, dated September 21st, covering approximately 8,000 to 10,000 feet of drilling in the vicinity of Union, Knox County, Maine, we are in a position to undertake this drilling on the following basis:

	NX Core	BX Core	BX-AX Wireline Core	AX Core
From surface to a depth of 650 ft.	$6.25 ft.	$5.75 ft.	$5.25 ft.	$5.00 ft.

Surveys @ $10.00 hr.

Delays on your part @ $8.00 hr.

NX casing ordered left in place @ $2.92 ft.

BX casing ordered left in place @ $2.16 ft.

AX casing ordered left in place @ $1.70 ft.

We understand that water for drilling purposes will be located approximately 1,500 feet from the drill holes, and we agree to pump the water free of any cost to you.

If it is your desire to save cores of the drilling, then it will be necessary that you furnish the proper containers for same.

We will furnish for this proposed drilling two of our Joy 22-HD core drills complete with operating equipment and will conduct the drilling operations on the basis of two or three eight-hour shifts per day per drill and six days per week.

We understand that this work is scheduled to get under way on January 3 or 4, 1961; and we can arrange to start the work then provided that we are notified of the acceptance of this proposition by November 1st.

We appreciate the opportunity of quoting on your requirements, and hope that our proposition will receive favorable consideration.

Yours very truly,

JOY MANUFACTURING COMPANY

W. J. Pilarski, Manager
Contract Drill Division

WJP-cf

U. S. Government Messenger Envelope

rm No. 65 Rev. (1957)
by Bureau of the Budget Circular A-33 (Rev.)

65-104

NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM		NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM	
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Use other side

only when messenger service between Government buildings in Washington, D. C., is required or wherever a STOP system is used. Your mail room has STOP information.

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FINAL FIELD REPORT - OME EXPLORATION PROJECT

3 6

By Harold Kirkemo, Chief
Office of Minerals Exploration

June 1979

1. OME-6369 (Nickel)
Knox Mining Corporation, Assignee
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2198 (Long Form)

PREFACE

The Government has participated in exploring nickel-bearing deposits in the vicinity of Union, Knox County, Maine, under three contracts conducted by the Interior Department's minerals exploration financial assistnce programs--DMEA-4947 (Contract Idm-E1224), OME-6104 (Contract 2123), and OME-6369 (Contract 2198), and one contract by the U.S. Department of Commerce, Economic Development Administration (Contract No. 7-35316).

This report summarizes the program of work, costs, and results of the second OME project. Files on the three contracts executed by DME and OME to explore this property are voluminous. The Operator's reports were detailed, and data reported therein augment this summary report.

Operator: Roland F. Beers, Inc.
P.O. Box 1061
Alexandria, Virginia 22313

Assigned July 21, 1966, to:
Knox Mining Corporation
(Address as above)

Agents for Operator or Assignee:

John S. Bakos
Controller and co-owner

Clifford F. Casey
Geophysist and co-owner

Donald E. Wyke, Supervisor
District Geologist and Branch Manager

Robert S. Young
Consulting Geologist

Beers, Inc., executed the DMEA and OME contracts as manager and agent of the American Syndicate, the second American Syndicate, and finally the Pond Syndicate. To provide the most effective means for achieving possible production of nickel and/or other products, Beers, Inc., on July 21,

1966, assigned its rights, obligations and liabilities under the syndicates and exploration contracts to Knox Mining Corporation, incorporated in the State of Maine.

According to a report in the Rockland Courier-Gazette (Maine) of April 27, 1968, controlling interest in Knox Mining Corporation was held by Basic, Inc.., of Cleveland, Ohio. The Assignee's reply to Form 63 dated September 16, 1969, showed a new address--845 Hanna Building, Cleveland, Ohio 44115, signed by T. Thomas Secretary. In 1972, Hanna Mining Company assumed responsibity for further exploration of the Knox property for metallurgical research and ore testing, and, if results warranted, for feasibility studies for possible production. The reply to MME Form 63 in March 1979 on Hanna Mining Company stationary ws signed by J. A. Nordine, Vice President, Knox Mining Corporation, 100 Erieview Plaza, Cleveland, Ohio 44114.

Property:

Land described in Annex I and amendments to the contract consisted of about 2,224 acres in 33 leases and 3 tracts of land (32.7 acres) acquired by the Operator. One of the leases was State of Maine Lease No. 3 totalling about 315 acres in 26 claims. These lands are located in Union and Warren Townships in the vicinity of Crawford Pond. Access to the property is by Maine Highway 131 extending south from Union, Maine. The Operator described the access route as follows:

> "To reach the property from Rockland, "proceed westward on Route 17 to East Union (11.6 miles); turn left at the Pioneer Grange Hall and proceed on surfaced road 0.6 mile; turn right and follow dirt road 0.8 miles to a red farm house (Harriman House) on right (north) side of road."

Tracts of land were added to and deleted from the contract by amendments thereto. Detailed information on the leased lands appear in these amendments and maps accompanying them.

2. Purpose of Project: The project was planned to further explore for nickel-bearing deposits downdip to the east and south of ore bodies previously explored by DMEA and OME contracts.

3. Contract: Contract 2198 (Long Form) was executed March 17, 1965, for a term of 7 months, or to October 17, 1965. The time fixed for completion of the work was extended in three amendments, and finally fixed by Amendment No. 11 at 29 months from date of contract, or to August 17, 1967. The period for payment of royalty was extended to 17 years, or to March 17, 1982.

The contract amount was $34,260.00 of which the Government's share at 50 percent was $17,130.00 with interest at 6-1/4 percent. Contributions by the Government for approved work completed on the contract totalled $15,156.65.

In lieu of Consent to Lien and Subordination Agreements, the Operator posted a performance bond issued by Hartford Accident and Indemnity Company in the penal sum of $17,130.00. Under provisions of Amendment No. 9 dated July 21, 1966, the Assignee posted performance bonds to cover obligations in the three contracts for which responsibility were assumed in Annex II of Contract 2198. The bonds were issued by the Hartford Accident and Indemnity Company. Information on these bonds is as follows:

Docket No.	Contract No.	Date of Contract	Bond amount (Government contribution or share)	Royalty expiration data
DMEA-4947	Idm-E1224	6/30/58	$64,633.14	6/30/73
OME-6104	2123	2/16/61	15,302.25	3/17/81 1/
OME-6369	2198	3/17/65	17,130.00 2/	3/17/81 3/

1/ Although included in Amendment No. 11 with a termination date of March 17, 1982, this contract was written-off as a realized loss on February 22, 1977. Operator informed on February 22, 1977, that performance bond could be cancelled.

2/ Revised to $15,156.65 when contract work was completed.

3/ Extended to March 17, 1982, by Amendment No. 11.

Under provisions of Annex II to the contract, the Certification of Possible Production issued under OME Contract 2123 (Prior Contract) extended to OME Contract 2198. The project under the latter contract was considered to have been certified as of the date of the contract, March 17, 1965. Nonetheless, a Certification of Possible Production, dated May 3, 1968, issued to the Assignee stated the royalty balances on the three contracts. Subsequently, DMEA Contract Idm-E1224 and OME Contract 2123 have been closed and losses written-off.

Amendments to the Contract:

No. 1. July 9, 1965. Revised costs of geophysical survey but did not increase total cost of the contract.

No. 2. October 4, 1965. Added a tract of land (45 acres) to the Contract.

No. 3. October 27, 1965. Extended time for completion of work to 13 months, and increased royalty period to 16 years from date of Contract, or until March 17, 1981.

No. 4. November 26, 1965. Revised plan of geophysical surveys without increasing total cost of the Contract.

No. 5. January 7, 1966. Added tract of land (23.92 acres) to the Contract.

No. 6. January 7, 1966. Revised plan of geophysical surveys without increasing total cost of the contract.

No. 7. February 8, 1966. Provided for suspension of project work until March 15, 1966.

No. 8. March 30, 1966. Extended period of recess to May 15, 1966, and extended time for completion of the work to 23 months or to February 17, 1967.

No. 9. July 21, 1966. Assigned contract to Knox Mining Corporation, and set forth responsibilities for royalties, land retention, and performance bonds.

No. 10. October 10, 1966. Revised plans of work for geophysical surveys and diamond drilling without increasing total cost of the contract.

No. 11. February 15, 1967. Extended time for completion of the work to 29 months, or to August 17, 1967, and increased royalty period to 17 years, or until March 17, 1982.

No. 12. March 31, 1967. Added two tracts of land (67 acres) to the contract.

No. 13. May 25, 1967. Two land parcels, formerly the Southard and Maker & Wooten leases, acquired by Knox Mining Corporation added to the contract, and warranty deeds incorporated in the contract.

No. 14. December 5, 1967. Deleted a tract of land (158.33 acres), formerly the Elmer C. and Lois Hart lease, from the contract.

No. 15. January 19, 1968. Added acquired and leased land tracts to the contract.

No. 16. October 27, 1969. Added acquired and leased land tracts to the Contract.

No. 17. July 31, 1970. Added leased land tracts to the contract.

4. Project work: The project was conducted in two stages. Stage I provided for geophysical surveying by the induced polarization-resistivity and the PDR-Resistivity methods. OME participated in the cost of 70,370 feet of surveying by the first method and 54,705 feet of surveying by the second method. This work commenced on June 1, 1965, and was completed on Septemer 30, 1965.

Maps 1 and 2 from the Operator's Final Report show the traverse lines for these surveys. More legible prints of these data accompany the Operator's monthly reports of work completed.

Stage II consisted of diamond core drilling and analysis of core samples. Drilling commenced May 9, 1966, and ended July 11, 1967. OME participated in the cost of drilling 9 holes totalling 3,325 feet in and the cost of assaying 62 samples of drill core. Map No. 3 from the Operator's Final Report presents pertinent data on the 9 drill holes.

The Government acquired no equity in the materials and equipment used on the project.

Effectiveness of the work:

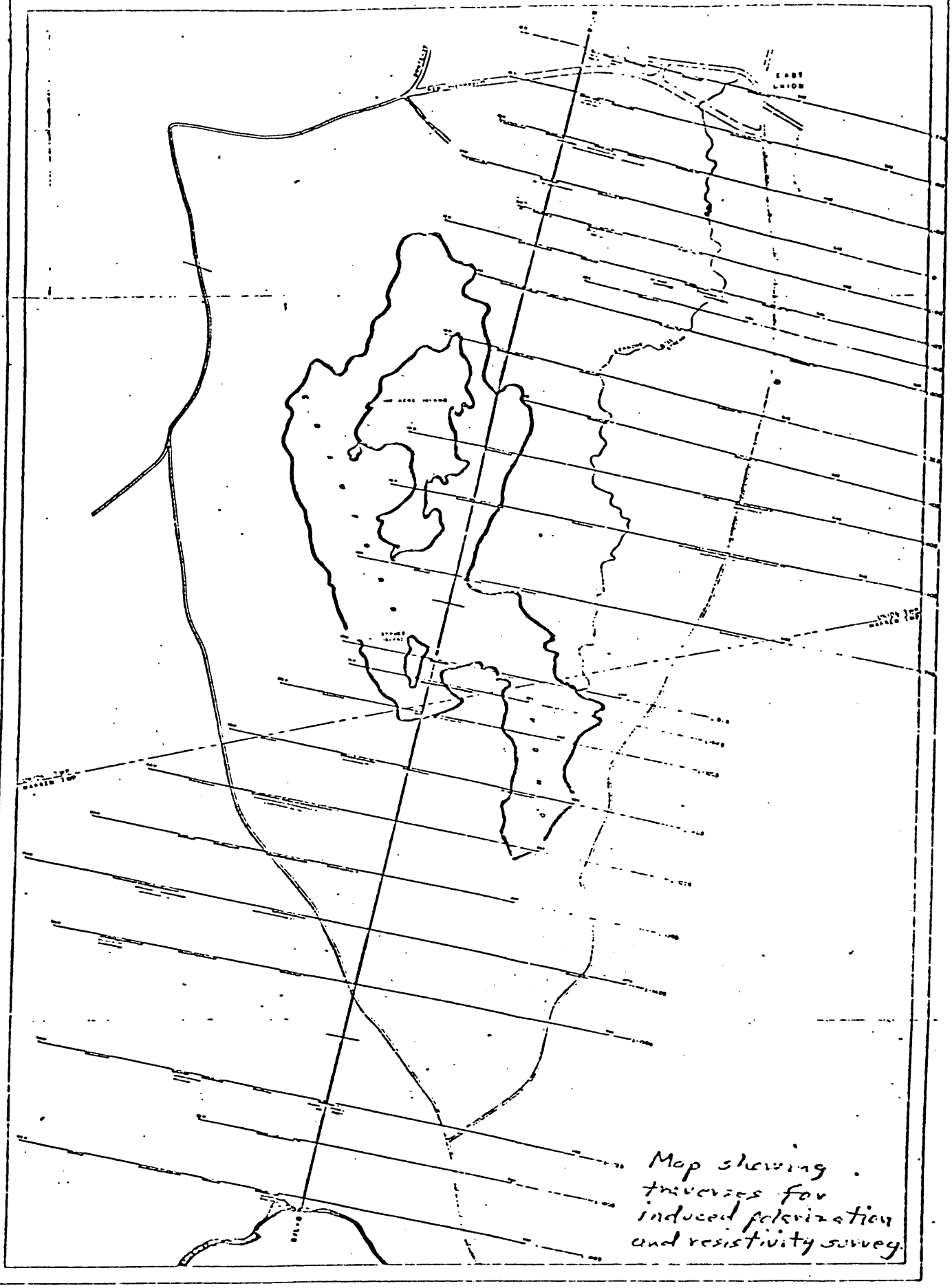
Hitherto unknown anomalies were disclosed by the geophysical surveying. The Operator conducted geochemical analyses of samples from significant anomalies, and derived information which was considered useful in prospecting for hidden deposits. The Government did not participate in the cost of the geochemical work.

Diamond core drilling was conducted effectively on selected anomalies.

5. Reports An acceptable Final Report dated December 1967 was submitted by the Operator.

A memorandum interim audit report on work completed through September 1966 was issued by the Interior Department's Office of Survey and Review, Audit Operations. Because the majority of costs has been incurred by that time, a final audit of the contract was not requested.

Royalty Review: No Royalty review has been made because there has been no production to date (June 1979) since the Contract was executed.



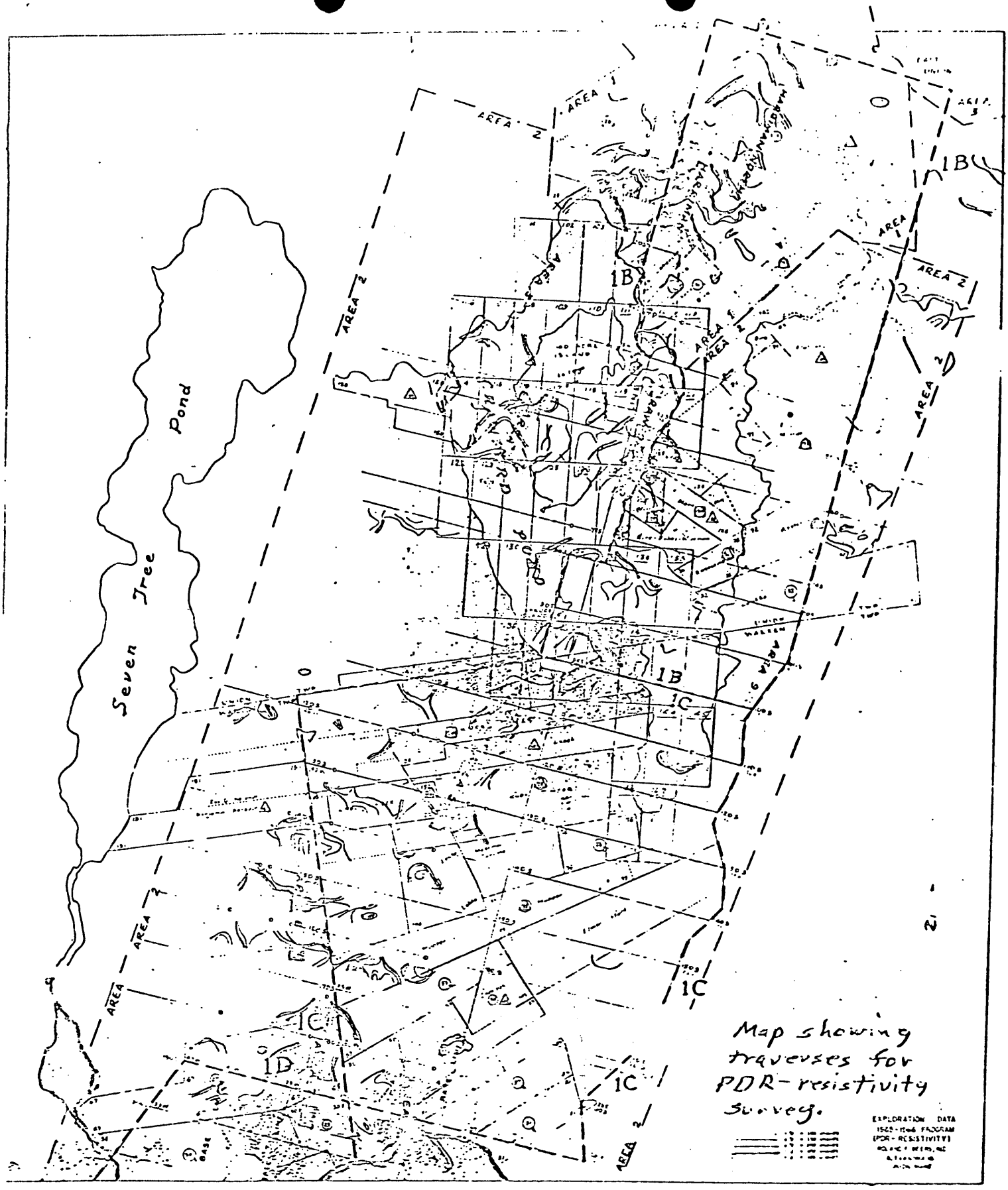
Map showing traverses for induced polarization and resistivity survey.

ROLAND F. EEERS, INC.

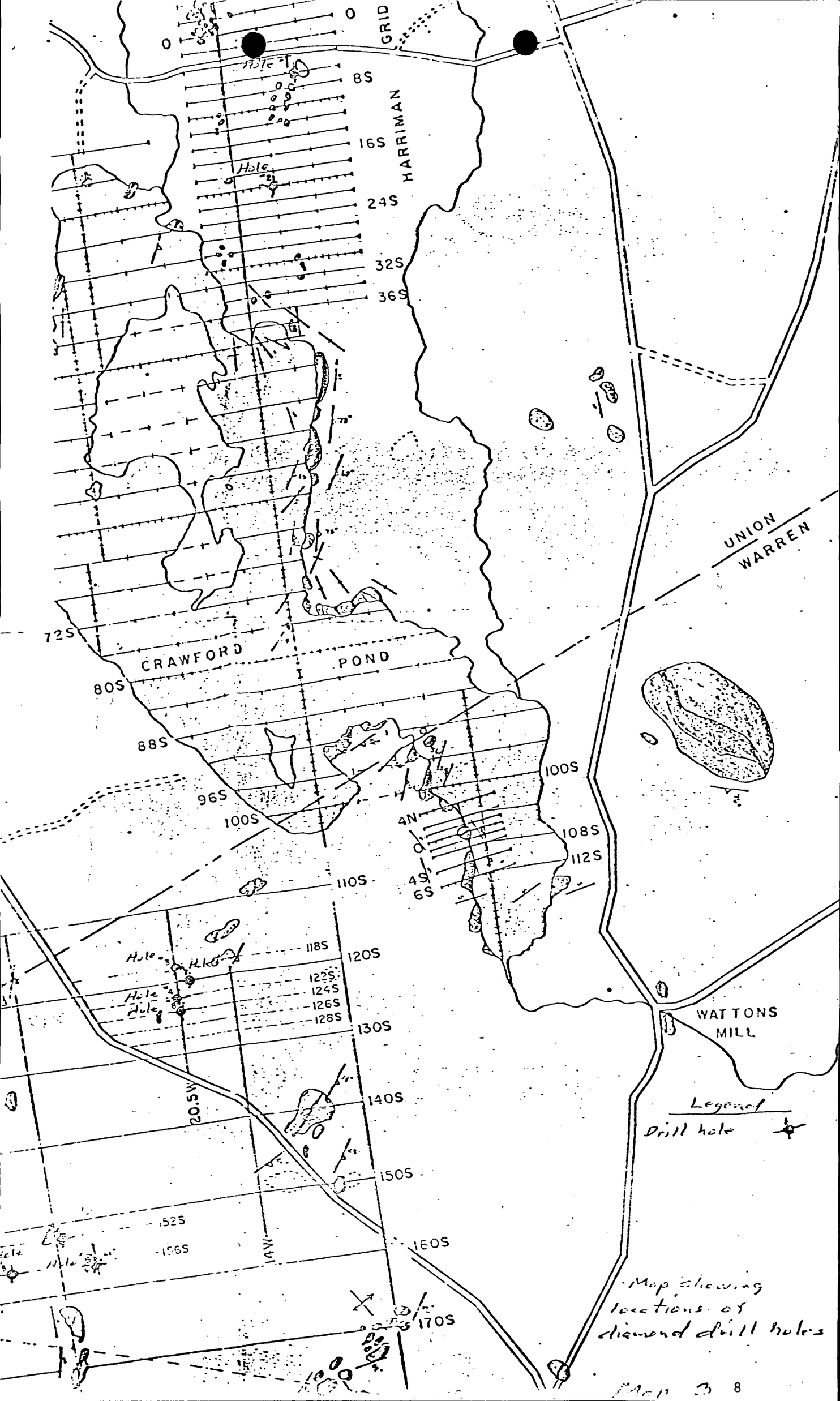
SCALE

6

Map 1


Seven Tree Pond
AREA 1
AREA 2
AREA 3
1B
1C
1D
Map showing traverses for PDR-resistivity surveys.
EXPLORATION DATA
1965-1966 PROGRAM
(PDR-RESISTIVITY)

Map 2



Map showing locations of diamond drill holes

Map 3 8

Table 1. Summary of Stage II Drilling

Drill Hole Number	Location	Angle	Direction	Total Depth	Dates Begin	Dates End	Narrative Reports	Drill Logs	Drill Hole Cross Sections	Assays
No. 1 (H-6S-4)	6S + 9.0E	-90°		226'	5-9-66	5-17-66	June-July '66	Jan-May '66	Jan-May '66 June-July '66 Aug-Sept '66	None
No. 2 (H-20S-2)	20S + 4.75E	-60°	N 72°W	800'	5-18-66	8-8-66	June-July '66 Aug-Sept '66	Jan-May '66 June-July '66 Aug-Sept '66	Jan-May '66 June-July '66 Aug-Sept '66	None
No. 3 (W-118S-1)	118S + 20.5W	-90°		280'	7-1-66	7-8-66	June-July '66	June-July '66	June-July '66	Aug-Sept '66
No. 4 (W-122S-1)	122S + 20.7W	-90°		240'	7-12-66	7-19-66	June-July '66	June-July '66	June-July '66	Aug-Sept '66
No. 5 (W-156S-1)	156S + 46.0W	-90°		290'	10-3-66	10-18-66	Oct-Nov '66	Oct-Nov '66	Oct-Nov '66	Oct-Nov '66
No. 6 (W-152S-1)	152S + 39.22W	-90°		300'	10-21-66	11-2-66	Oct-Nov '66	Oct-Nov '66	Oct-Nov '66	None
No. 7 (W-120S-1)	120S + 19.0W	-90°		300'	12-12-66	1-6-67	Jan-Feb '67	Dec '66	Dec '66	Jan-Feb '67
No. 8	124S + 20.5W	-90°		285'	2-14-67	3-21-67	Mar '67	Mar '67	Mar '67	Mar '67
No. 9	156S + 36W	-60°	N 72°W	604'	5-16-67	7-11-67	May-June '67	May-June '67	May-June '67	None

6. Project Results:

Those interested in details on results of this project are referred to the Operator's Final Report, narrative monthly reports, drill logs, cross sections and assay reports.

The final report on a drilling contract with the Economic Development Administration (EDA), U.S. Department of Commerce, the Knox Mining Corporation, Engineering and geologic evaluations by Donald E. Wyke, resident geologist, Knox Mining Corporation is commended to the reader. Wyke reported in part as follows:

> "The program succeeded in establishing the presence of copper-nickel-cobalt sulfide ores of sufficient quantity and quality to indicate definite economic interest. An evaluation based upon work under this contract indicates the presence of 3.05 million tons of sulfide mineralization having an average grade of 0.59% copper, 1.20% nickel, 0.10% cobalt. The orebody is close to the surface and is amenable to open-pit mining operations."

The Chief, Office of Minerals Exploration, in a memorandum dated April 3, 1970, to Robert A. Laurence, USGS, Knoxville, Tennessee, offered the following statement:

> "This [Operator's estimate in Final Report to EDA] is the reserve estimated for the deposit in Area 5 discovered under the OME project and explored by OME holes 3, 4, 7, and 8 on OME-6369, Contract 2198. Estimated reserves are shown on our chart as 1,000,000 tons averaging 1.5% Ni, 0.5% Cu, and 0.1% Co. Drilling under the EDA contract extended the deposit a considerable distance east from the OME drilling and subsequent drilling by the Operator on its own account further extended the deposit. One of the last holes drilled encountered some of the best material found in the deposit. Under the EDA contract, 36 holes totalling about 10,000 feet were drilled at a cost of about $85,500. The contract was completed in the fall of 1968.
>
> "I understand that about 80 holes have been drilled in this deposit and that reserves are estimated at about 4 million tons of which two-thirds can be extracted by open pit mining. Under present prices, the recoverable value of metals in the deposit approaches $100 million.

"The company continues to explore the area. Metallurgical tests and marketing studies are completed. The major problems yet to be resolved are concerned with interest rates on capital, and prevention of pollution, particularly of water supplies.

"This information on the Knox operation was furnished in confidence"

The major problems in 1970 are likely to be the same problems confronting anyone considering mining these nickel-bearing deposits in 1979.

Standard Form No. 65-A
Decemb
General Se
FPMR

U.S. Government Messenger Envelope

65-209

NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM

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Photo of
Core storage bldg.

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OME-6104
6369

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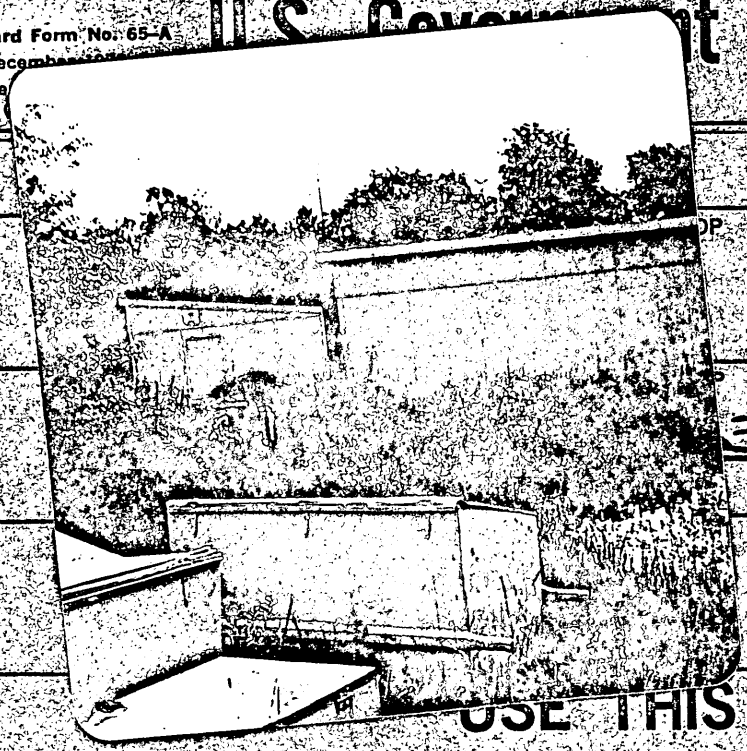

USE THIS SIDE FIRST

United States Department of the Interior

GEOLOGICAL SURVEY
RESTON, VIRGINIA 22092

IN REPLY REFER TO: Office of Minerals Exploration
Mail Stop 953

March 17, 1978

Re: OME-6369 (Nickel)
Knox Mining Corporation,
Assignee
Crawford Pond, et al., Prospect
Knox County, Maine
Contract 2198

Note Change of name & address

Mr. John G. Stone
Vice President
Knox Mining Corporation
100 Erieview Plaza
Cleveland, Ohio 44114

Dear Mr. Stone:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

Harold Kirkemo

Harold Kirkemo, Chief
Office of Minerals Exploration

Form MME 63
(May 1970)

REQUEST FOR INFORMATION ON CERTIFIED PROJECT OR PROJECT UNDER ROYALTY AGREEMENT

1. Since August 4, 1976, has there been a change in ownership, lease, or sublease? *If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before.* Yes ☐ No ☒

2. Since August 4, 1976, has there been any production from the land subject to the contract? Yes ☐ No ☒

A. If so and it was shipped, give quantity, value, and name and address of purchaser.

Purchaser *(name and address)*	Quantity	Value

B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity *(tons)*	Estimated Grade	Location
Ore			
Concentrates			
Other			

3. Since workings *(see* , has any production been transported through *of contract)*? Yes ☐ No ☒

If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name	*Title*
J. A. NORDINE	Vice President
Address KNOX MINING CORPORATION 36th Floor, 100 Erieview Plaza Cleveland, OHio 44114	*Date* March 27, 1978

United States Department of the Interior

GEOLOGICAL SURVEY
RESTON, VIRGINIA 22092

August 15, 1977

The Hartford Insurance Group
100 North Pitt Street
Alexandria, Virginia 22314

Re: OME-6104 (Nickel)
Knox Mining Corporation, Assignee
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Gentlemen:

This letter is in response to your Bond Status Inquiry on the subject contract which we received today.

The enclosed copy of our letter dated February 22, 1977, to Mr. John T. Stone, Vice President, Knox Mining Corporation, Cleveland, Ohio, concerning this contract and cancellation of the Performance Bond is self explanatory. Presumably Mr. Stone has not instructed The Hartford Insurance Group to cancel the bond, but he probably will do so upon receipt of a copy of this letter. The Government's interest in this contract terminated on February 16, 1977, and the need for the bond terminated on the same date.

Sincerely yours,

Harold Kirkemo, Chief
Office of Minerals Exploration

Enclosures

Copy to: John T. Stone
Robt. A. Laurence

United States Department of the Interior

GEOLOGICAL SURVEY
RESTON, VIRGINIA 22092

February 22, 1977

Mr. John T. Stone
Vice President
Knox Mining Corporation
100 Erieview Plaza
Cleveland, Ohio 44114

Re: OME-6104 (Nickel)
Knox Mining Corporation, Assignee
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Mr. Stone:

As the period of obligation for payment of royalties on production from lands subject to the above contract terminated on February 16, 1977, we have closed our books and records on this contract. Therefore, according to its present records the Government retains no claim or lien for royalty pursuant to the terms of this contract.

Expiration of Contract 2123 does not affect the requirement for royalty payments to the Government on mineral production from lands subject to provisions of Contract 2198, OME-6369, which extend to March 18, 1982.

The Performance Bond, dated July 21, 1966, in the amount of $15,302.25 for Contract 2123 may be cancelled. Our copy of the bond is enclosed. We expect you will request Hartford Accident and Indemnity Company to cancel the bond.

Sincerely yours,

Harold Kirkemo

Harold Kirkemo, Chief
Office of Minerals Exploration

Enclosure

AMERICAN REVOLUTION BICENTENNIAL 1776-1976

STANDARD FORM 25
JUNE 1964 EDITION
GENERAL SERVICES ADMINISTRATION
FED. PROC. REG. (41 CFR) 1-16.801

PERFORMANCE BOND

(See Instructions on reverse)

25-104

DATE BOND EXECUTED *(Must be same or later than date of contract)*: July 21, 1966

PRINCIPAL *(Legal name and business address)*
Knox Mining Corporation
Alexandria, Virginia

TYPE OF ORGANIZATION *("X" one)*
☐ INDIVIDUAL ☐ PARTNERSHIP
☐ JOINT VENTURE ☒ CORPORATION

STATE OF INCORPORATION: Maine

SURETY(IES) *(Name(s) and business address(es))*
Hartford Accident and Indemnity Company
1101 17th Street, N. W.
Washington, D. C.

PENAL SUM OF BOND

MILLION(S)	THOUSAND(S)	HUNDRED(S)	CENT(S)
	15	302	25

CONTRACT DATE: July 21, 1966
CONTRACT NO.: 14-23-090-2123

KNOW ALL MEN BY THESE PRESENTS, That we, the Principal and Surety(ies) hereto, are firmly bound to the United States of America (hereinafter called the Government) in the above penal sum for the payment of which we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally: *Provided*, That, where the Sureties are corporations acting as co-sureties, we, the Sureties, bind ourselves in such sum "jointly and severally" as well as "severally" only for the purpose of allowing a joint action or actions against any or all of us, and for all other purposes each Surety binds itself, jointly and severally with the Principal, for the payment of such sum only as is set forth opposite the name of such Surety, but if no limit of liability is indicated, the limit of liability shall be the full amount of the penal sum.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal entered into the contract identified above;

NOW, THEREFORE, if the Principal shall perform and fulfill all the undertakings, covenants, terms, conditions, and agreements of said contract during the original term of said contract and any extensions thereof that may be granted by the Government, with or without notice to the Surety(ies), and during the life of any guaranty required under the contract, and shall also perform and fulfill all the undertakings, covenants, terms, conditions, and agreements of any and all duly authorized modifications of said contract that may hereafter be made, notice of which modifications to the Surety(ies) being hereby waived, then the above obligation shall be void and of no effect.

IN WITNESS WHEREOF, the Principal and Surety(ies) have executed this performance bond and have affixed their seals on the date set forth above.

PRINCIPAL			
Signature(s)	1. [signature] (Seal)	2. (Seal)	Corporate Seal
Name(s) & Title(s) (Typed)	1. President, Knox Mining Corp'n.	2.	

INDIVIDUAL SURETY(IES)		
Signature(s)	1. (Seal)	2. (Seal)
Name(s) (Typed)	1.	2.

CORPORATE SURETY(IES)					
SURETY A	Name & Address	HARTFORD ACCIDENT AND INDEMNITY COMPANY, 1101 17th St. N. W. Washington, D. C.	STATE OF INC. Connecticut	LIABILITY LIMIT $15,302.25	Corporate Seal
	Signature(s)	By: Charles T. Borem	2.		
	Name(s) & Title(s) (Typed)	1. Charles T. Borem attorney-in-fact	2.		

CORPORATE SURETY(IES) (Continued)					
SURETY B	Name & Address		STATE OF INC.	LIABILITY LIMIT	Corporate Seal
	Signature(s)	1.	2.		
	Name(s) & Title(s) *(Typed)*	1.	2.		
SURETY C	Name & Address		STATE OF INC.	LIABILITY LIMIT	Corporate Seal
	Signature(s)	1.	2.		
	Name(s) & Title(s) *(Typed)*	1.	2.		
SURETY D	Name & Address		STATE OF INC.	LIABILITY LIMIT	Corporate Seal
	Signature(s)	1.	2.		
	Name(s) & Title(s) *(Typed)*	1.	2.		
SURETY E	Name & Address		STATE OF INC.	LIABILITY LIMIT	Corporate Seal
	Signature(s)	1.	2.		
	Name(s) & Title(s) *(Typed)*	1.	2.		
SURETY F	Name & Address		STATE OF INC.	LIABILITY LIMIT	Corporate Seal
	Signature(s)	1.	2.		
	Name(s) & Title(s) *(Typed)*	1.	2.		
SURETY G	Name & Address		STATE OF INC.	LIABILITY LIMIT	Corporate Seal
	Signature(s)	1.	2.		
	Name(s) & Title(s) *(Typed)*	1.	2.		

BOND PREMIUM	RATE PER THOUSAND	TOTAL
	$ 10.00	$ 153.00

INSTRUCTIONS

1. This form is authorized for use in connection with contracts for construction work or the furnishing of supplies or services. There shall be no deviation from this form without the approval of the Administrator of General Services.

2. The full legal name and business address of the Principal shall be inserted in the space designated "Principal" on the face of this form. The bond shall be signed by an authorized person. Where such person is signing in a representative capacity (e.g., an attorney-in-fact), but is not a member of the firm, partnership, or joint venture, or an officer of the corporation involved, evidence of his authority must be furnished.

3. (a) Corporations executing the bond as sureties must be among those appearing on the Treasury Department's list of approved sureties and must be acting within the limitations set forth therein. Where more than a single corporate surety is involved, their names and addresses (city and State) shall be inserted in the spaces (Surety A, Surety B, etc.) headed "CORPORATE SURETY(IES)", and in the space designated "SURETY(IES)" on the face of this form only the letter identification of the Sureties shall be inserted.

(b) Where individual sureties execute the bond, they shall be two or more responsible persons. A completed Affidavit of Individual Surety (Standard Form 28), for each individual surety, shall accompany the bond. Such sureties may be required to furnish additional substantiating information concerning their assets and financial capability as the Government may require.

4. Corporations executing the bond shall affix their corporate seals. Individuals shall execute the bond opposite the word "Seal"; and, if executed in Maine or New Hampshire, shall also affix an adhesive seal.

5. The name of each person signing this performance bond should be typed in the space provided.

★ U.S. GOVERNMENT PRINTING OFFICE : 1965 OF—758-900

Hartford Accident and Indemnity Company

HARTFORD, CONNECTICUT

POWER OF ATTORNEY

Know all men by these Presents, That the HARTFORD ACCIDENT AND INDEMNITY COMPANY, a corporation duly organized under the laws of the State of Connecticut, and having its principal office in the City of Hartford, County of Hartford, State of Connecticut, does hereby make, constitute and appoint

CHARLES T. BOREM, of WASHINGTON, D. C.,

its true and lawful Attorney(s)-in-fact, with full power and authority to each of said Attorney(s)-in-fact, in their separate capacity if more than one is named above, to sign, execute and acknowledge any and all bonds and undertakings and other writings obligatory in the nature thereof on behalf of the company in its business of guaranteeing the fidelity of persons holding places of public or private trust; guaranteeing the performance of contracts other than insurance policies; guaranteeing the performance of insurance contracts where surety bonds are accepted by states and municipalities, and executing or guaranteeing bonds and undertakings required or permitted in all actions or proceedings or by law allowed.

and to bind the HARTFORD ACCIDENT AND INDEMNITY COMPANY thereby as fully and to the same extent as if such bonds and undertakings and other writings obligatory in the nature thereof were signed by an Executive Officer of the HARTFORD ACCIDENT AND INDEMNITY COMPANY and sealed and attested by one other of such officers, and hereby ratifies and confirms all that its said Attorney(s)-in-fact may do in pursuance hereof.

This power of attorney is granted under and by authority of the following By-Law adopted by the Stockholders of the HARTFORD ACCIDENT AND INDEMNITY COMPANY at a meeting duly called and held on the 10th day of February, 1943.

ARTICLE IV

SECTION 8. The President or any Vice-President, acting with any Secretary or Assistant Secretary, shall have power and authority to appoint, for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, one or more Resident Vice-Presidents, Resident Assistant Secretaries and Attorneys-in-fact and at any time to remove any such Resident Vice-President, Resident Assistant Secretary, or Attorney-in-fact, and revoke the power and authority given to him.

SECTION 11. Attorneys-in-fact shall have power and authority, subject to the terms and limitations of the power of attorney issued to them, to execute and deliver on behalf of the Company and to attach the seal of the Company thereto any and all bonds and undertakings, and other writings obligatory in the nature thereof, and any such instrument executed by any such Attorney-in-fact shall be as binding upon the Company as if signed by an Executive Officer and sealed and attested by one other of such Officers.

This power of attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Directors of the HARTFORD ACCIDENT AND INDEMNITY COMPANY at a meeting duly called and held on the 13th day of March, 1956.

RESOLVED, that, whereas the President or any Vice-President, acting with any Secretary or Assistant Secretary, has the power and authority to appoint by a power of attorney, for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, one or more Resident Vice-Presidents, Assistant Secretaries and Attorneys-in-fact;

Now therefore the signatures of such officers and the seal of the Company may be affixed to any such power of attorney or to any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

In Witness Whereof, the HARTFORD ACCIDENT AND INDEMNITY COMPANY has caused these presents to be signed by its Vice-President, and its corporate seal to be hereto affixed, duly attested by its Secretary, this 2nd day of April, 1962.

Attest: HARTFORD ACCIDENT AND INDEMNITY COMPANY

Secretary *Vice-President*

STATE OF CONNECTICUT, } ss.
COUNTY OF HARTFORD,

On this 2nd day of April, A. D. 1962, before me personally came Wm. H. Wallace, to me known, who being by me duly sworn, did depose and say: that he resides in the County of Hartford, State of Connecticut; that he is the Vice-President of the HARTFORD ACCIDENT AND INDEMNITY COMPANY, the corporation described in and which executed the above instrument; that he knows the seal of the said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation and that he signed his name thereto by like order.

STATE OF CONNECTICUT, } ss.
COUNTY OF HARTFORD,

Notary Public
My commission expires March 31, 1967

CERTIFICATE

I, the undersigned, Assistant Secretary of the HARTFORD ACCIDENT AND INDEMNITY COMPANY, a Connecticut Corporation, DO HEREBY CERTIFY that the foregoing and attached POWER OF ATTORNEY remains in full force and has not been revoked; and furthermore, that Article IV, Sections 8 and 11, of the By-Laws of the Company, and the Resolution of the Board of Directors, set forth in the Power of Attorney, is now in force.

Signed and sealed at the City of Hartford. Dated the 21st day of July 19 66

Assistant Secretary

Form S-3507 3rd Rev. Printed in U.S.A. 2-'62

United States Department of the Interior

GEOLOGICAL SURVEY
RESTON, VIRGINIA 22092

August 27, 1976

Memorandum

To: The File

From: Chief, Office of Minerals Exploration

Subject: OME-6104 and OME-6369
Knox Mining Corporation, Assignee
Crawford Pond, et al., Prospects
Knox County, Maine
Contracts 2123 and 2198

Inspection Report

I visited this property on August 14, 1976. I located the Harriman house, now abandoned, and thereby oriented myself within the project area.

Brush and forest growth precluded location of the drill sites. I recognized one of the mineralized bodies by the relative absence of vegetation as would be expected over a sulfide deposit. I found two locked buildings which had been used during the project work. One building presumably contained the stored drill core and the other appeared to have been a repair, supply and storage facility. Storage boxes for use on pick-up trucks for field equipment and supplies, and a large wood spool for cable storage were scattered outside one building. A small pile of sulfide-bearing rock and waste rock was found among the storage boxes.

It was obvious that there has been no production from the property. Inquiry at a local gas station-store confirmed that there has been no activity on the property for years--probably none since completion of the Commerce Department (EDA Contract 7-35316) project in 1967. This project followed completion of OME Contract 2198, OME 6369.

The certification period on the contract for OME-6369 expires on March 17, 1982, and for OME-6104 on February 16, 1977.

Harold Kirkemo

Harold Kirkemo

Copy to: R. A. Laurence

cc:
DRF
MR Rdg.
OME Rdg.
OME Files
Mr. Kirkemo

United States Department of the Interior

GEOLOGICAL SURVEY
RESTON, VIRGINIA 22092

August 24, 1976

Mr. John Stone
Vice President
Knox Mining Corporation
100 Erie View Plaza
Cleveland, Ohio 44114

Re: OME-6104 and
OME-6369
Knox Mining Corporation, Assignee
Crawford Pond, et al., Prospects
Knox County, Maine
Contracts 2123 and 2198

Dear Mr. Stone:

Thank you for your letter of August 4, 1976, return of Form MME-63, and copy of Release and Termination of Mining Lease No. 1199 (Woodrow and Ana Gould).

I visited the Crawford Pond area on August 14th as planned, and located the two buildings referred to in your letter. Fortunately, I had adequate maps and aerial mosaics to locate my position and ultimately to find the buildings. I suspect that much vegetation has grown in the project site since work was terminated because even buildings were difficult to see from the roads. I first found the Harriman house (now abandoned) and from there followed roads to the southern end of the project area. As my visit was to acquaint myself with the general terrain, I did not bother Mrs. Morey to open the buildings. It was evident that there had been no project activity for some years.

Thanks again for your prompt reply to our reporting form.

Sincerely yours,

Harold Kirkemo

Harold Kirkemo, Chief
Office of Minerals Exploration

Copy to: Mrs. Morey

cc:
DRF
MR Rdg.
OME Rdg.
OME Files
Mr. Kirkemo
Region IV (R. Laurence)

HKirkemo/gpw

AMERICAN REVOLUTION BICENTENNIAL 1776-1976

KNOX MINING CORPORATION, P.O. BOX 668. 429 MAIN ST., ROCKLAND, MAINE 04841
TEL. 207-596-6635

100 Erieview Plaza
Cleveland, Ohio 44114
August 4, 1976

Mr. Harold Kirkemo, Chief
Office of Minerals Exploration
U. S. Geological Survey
Reston, Virginia 22092

Dear Mr. Kirkemo:

OME-6104 and OME-6369

Enclosed are the three copies of Form MME-63 covering activities with regard to leases #1199 and #2000 in Knox County, Maine, together with copies of the documents supporting cancellation of lease #1199.

I hope you enjoy your forthcoming trip through Maine.

Yours truly,

John G. Stone

John G. Stone
Vice President

Enc.

Mrs. L. Morey

OME-6104 and OME-6369

Please complete and return three copies to us.

Form MME 63
(May 1970)

REQUEST FOR INFORMATION ON CERTIFIED PROJECT
OR PROJECT UNDER ROYALTY AGREEMENT

1. Since March 30, 1973, has there been a change in ownership, lease, or sublease? *If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before.* Yes [X] No [X]

(2 new leases)

#1199 (formerly lease #284, this may or may not be involved with OME)
Woodrow and Ana Gould 13 acres - **dropped March 4, 1976.**

#2000 (formerly lease #3 from Arthur Anderson) - **No.**
Charles and Marie Stimpson 28 acres

2. Since March 30, 1973, has there been any production from the land subject to the contract? Yes [ ] No [X]

A. If so and it was shipped, give quantity, value, and name and address of purchaser.

Purchaser *(name and address)*	Quantity	Value

B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity *(tons)*	Estimated Grade	Location
Ore			
Concentrates			
Other			

3. Since working, has any production been transported through *(see* of contract)? Yes [ ] No [ ]

If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name **Knox Mining Company** John G. Stone **J. G. Stone**	*Title* **Vice President**
Address **100 Erieview plaza Cleveland OH 44114**	*Date* **8/4/76**

KNOX MINING CORPORATION, P.O. BOX 668. 429 MAIN ST., ROCKLAND, MAINE 04841
TEL. 207-596-6635

100 Erieview Plaza
Cleveland, Ohio 44114
August 2, 1976

Mr. Harold Kirkemo, Chief
Office of Minerals Exploration
U. S. Geological Survey
Reston, Virginia 22092

Dear Mr. Kirkemo:

OME-6104 and OME-6369

Lease No. 1199 was dropped on March 4, 1976, and as soon as I receive the supporting documents, I'll fill out the forms and mail them to you.

I would think that you should have no problems inspecting the property on August 14, as you propose. The area is not fenced, and only the office buildings and core shack will be locked. If you would like to have Mrs. Morey arrange to have these buildings opened, please feel free to arrange the matter directly with her.

Sincerely,

John G. Stone

John G. Stone
Vice President

Mrs. L. Morey

United States Department of the Interior

GEOLOGICAL SURVEY
RESTON, VIRGINIA 22092

July 22, 1976

Mr. John Stone
Vice President
Knox Mining Corporation
100 Erie View Plaza
Cleveland, Ohio 44114

Re: OME-6104 and
OME-6369
Knox Mining Corporation, Assigne
Crawford Pond, et al., Prospects
Knox County, Maine
Contracts 2123 and 2198

Dear Mr. Stone:

I talked with Mrs. Laurie Morey today by phone and learned that there is no activity at the referenced property. However, in order to formally up-date our records with th respect to the leases, production, etc., on the OME contracts, I enclose Form MME-63 for your attention. Please complete and return to me.

As I explained to Mrs. Morey, I will be at Henniker, New Hampshire, between August 8 and 13 and then will drive to Bar Harbor, Maine, enroute to Nova Scotia. Enroute, I will have the opportunity to visit the Crawford Pond property on August 14 for a first-hand impression of the project area. I was unable to visit the area when the DMEA and OME project work was in progress. The maps in the contracted dockets will suffice for me to see the sites of the work. In the event the property is fenced and locked or otherwise inaccessible, is anyone available nearby that could permit access to the property?

I do not want to inconvenience anyone regarding my intended visit because I can manage with the maps at hand, but if there are other problems I would appreciate being advised before August 6, the last day I will be in my office here prior to departing for New Hampshire.

Sincerely yours,

Harold Kirkemo, Chief
Office of Minerals Exploration

cc: Mrs. Laurie Morey

KNOX MINING CORPORATION
RECEIVED
MAR 22 1973

United States Department of the Interior

GEOLOGICAL SURVEY
WASHINGTON, D.C. 20242 4

IN REPLY REFER TO: Office of Minerals Exploration

March 19, 1973

Re: OME-6104 (Nickel)
Knox Mining Corporation
(Assignee)
Crawford Pond, et al.,
Prospects
Contract 2123

Mr. Donald E. Wyke
Geologist - Land Control
Knox Mining Corporation
P. O. Box 668
429 Maine Street
Rockland, Maine 04841

OFFICIAL
COPY
O. M. E.
RECEIVED
APR 4 1973

INITIALS	CODE
Cac	120
	120

Dear Mr. Wyke:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

Harold Kirkemo

Harold Kirkemo
Chief, Office of
Minerals Exploration

Form MME 63
(May 1970)

REQUEST FOR INFORMATION ON CERTIFIED PROJECT OR PROJECT UNDER ROYALTY AGREEMENT

1. Since March 27, 1972, has there been a change in ownership, lease, or sublease? *If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before.* Yes [X] No [ ]

(2 new leases)
#1199 (formerly lease #284, this may or may not be involved with OME)
Woodrow and Anna Gould 13 acres

#2000 (formerly lease #3 from Arthur Anderson)
Charles and Marie Stimpson 28 acres

2. Since March 27, 1972, has there been any production from the land subject to the contract? Yes [ ] No [X]

A. If so and it was shipped, give quantity, value, and name and address of purchaser.

Purchaser *(name and address)*	Quantity	Value

B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity *(tons)*	Estimated Grade	Location
Ore			
Concentrates			
Other			

3. Since , has any production been transported through workings *(see of contract)*? Yes [ ] No [X]

If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name Victor E. Kral	*Title* Manager
Address P. O. Box 668 429 Main Street Rockland, Maine 04841	*Date* March 30, 1973

OME-6104

OFFICIAL FILE COPY

Date	Surname	Code

MME Form 7
(2/63)

July 27, 1973

Mr. H. C. Lee, President
Knox Mining Corporation
845 Manna Building
Cleveland, Ohio 44115

Re: DMEA-4947 (Nickel)
Knox Mining Corporation
(Assignee)
Crawford Pond, et al., Prospects
Knox County, Maine
Contract Idm-E1224

Dear Mr. Lee:

Thank you for your letter of July 23, 1973, noting that the 15-year period of obligation for royalty payments under the subject contract expired on June 30, 1973.

By the terms of Contract Idm-E1224, as amended, and the certification of discovery or development dated October 4, 1960, all minerals mined as produced from June 30, 1958, to June 30, 1973, were subject to the Government's royalty as set forth in said contract.

As the period during which production was subject to royalty has now expired, the Government according to its present records retains no claim or lien for royalty pursuant to the terms of this DMEA contract.

Expiration of the royalty period under the subject DMEA contract does not affect the requirement for royalty payments to the Government on all mineral production from the tracts of land described in Contract 2123 (OME-6104) and Contract 2198 (OME-6369) Knox Mining Corporation (Assignee), some of which were included also in the expired DMEA contract. The periods for royalty payments on the OME contracts extend to February 15, 1977, and March 17, 1982, respectively, or until the total net amount contributed by the Government on each contract is fully repaid with interest, whichever occurs first.

The Performance Bond, dated July 21, 1966, in the amount of $64,633.14 for Contract Idm-E1224, may be cancelled. Our copy of the bond is returned to you herewith. We expect that Knox Mining Corporation will request Hartford Accident and Indemnity Company, Surety, to cancel the bond.

We, too, regret that production has not been undertaken as yet, but we hope that future circumstances will permit development and mining, and the ultimate recovery of your investment as well as a portion of the Government's interest in the property.

Sincerely yours,

Harold Kirkemo

Harold Kirkemo, Chief
Office of Minerals Exploration

Enclosure

cc:
BRF
MR Rdg.
OME Rdg.
OME Files (3 copies for Dockets OME6104, 6369, and DMEA-4947
Mr. Kirkemo
Region IV

HKirkemo/gpw

KNOX MINING CORPORATION, 845 HANNA BUILDING, CLEVELAND, OHIO 44115
TEL. 216-241-5000

July 23, 1973

Mr. Harold Kirkemo, Chief
Office of Minerals Exploration
United States Department of the Interior
Geological Survey
Washington, D. C. 20242

OFFICIAL COPY
O. M. E.
RECEIVED
JUL 25 1973
INITIALS CODE
HK 120

Re: DMEA-4947 (Nickel)
Knox Mining Corporation (Assignee)
Crawford Pond, et al., Prospects
Contract Idm-E1224

Dear Mr. Kirkemo:

We note in referring to the exploration agreement DMEA-4947 contract (Nickel) with the Knox Mining Corporation, Assignee, that the 15-year term of the agreement dated June 30, 1958, expired on June 30, 1973. This is to advise you that there has been no production or sale of ores from the properties covered by this agreement, and therefore that all obligations of Knox with respect to this agreement have terminated.

We do appreciate the assistance that the former DMEA rendered in the exploration of this prospect and are sorry that Knox has not been able to put the property into production.

Yours very truly,

H. C. Lee
President

HCL:em

Walker & Company - 1525 Superior Building, Cleveland, Ohio 44114 - 216/696-0033

OFFICIAL
COPY
O. M. E.
RECEIVED
JAN 7 1972
INITIALS CODE
HK A20

January 3, 1972

For Immediate Release

Basic Incorporated and the Hanna Mining Company, both with headquarters in Cleveland, today announced agreement in principle on a joint exploration program aimed primarily at finding additional mineral deposits in the State of Maine.

For several years a syndicate in which Basic holds a predominant interest has been carrying on geological exploration there and has reported the blocking out of 7.4 million tons of ore averaging 0.99 per cent nickel and 0.49 per cent copper.

Under their agreement Hanna will assume the responsibility for further exploration and will conduct additional metallurgical research and testing of the ore. The program will concentrate on expanding the known reserves and if successful will be followed by feasibility studies to determine the possibility of a commercial development. Included in the engineering studies would be provision for the most effective environmental control systems.

Hanna produces ferronickel at its plant in Riddle, Oregon. It is one of the world'e largest independent producers of iron ore and iron ore pellets.

Basic manufactures and sells refractory, chemical, electronic and technical ceramic products and is active in exploring for ore fundamental to its manufacturing operations. Incident to the latter, the company acquired its interest in the Maine nickel-copper ore bodies.

#

File with
Knox Mining
Co.

BASIC INCORPORATED
845 HANNA BUILDING, CLEVELAND, OHIO 44115

Steel

CLEVELAND OHIO JAN-5'72

U.S. POSTAGE 08 :

P.B. METER 376165

Mr. Harold Kirkemo
Office of Minerals Exploration
United States Dept. of Interior
Geological Survey
Washington, D.C. 20242

HENRY R. WHARTON
INSURANCE COMPANY
107 N. Fairfax Street
Alexandria, Virginia 22314

Recd OME
JUL 19 1971

July 16, 1971

Knox Mining Corporation
P. O. Box 668
429 Main Street
Rockland, Maine 0481

Attention: Mr. Larry G. Hayes

Subject : Hartford # 3775558 - Contract 12-23-090-2123
Docket No. OME-6104
Hartford #3775559 = Contract 14-23-09-0218
Docket No. OME-6369
Hartford # 3775560 - Contract IDME 1224
Docket No. DMEA 4947

Dear Sir:

We acknowledge receipt of your letter of July 12th which enclosed your check of $951.00 for the 1971-72 premium on subject bonds, and your request for a refund for a portion of the paid premiums due to over-bonding.

Mr. Wharton, who will be out of town until July 30th, had, prior to his departure, been in touch with Clarke & Sampson, Inc. regarding a decrease in the amount of the bonds. They in turn are handling the matter with the Hartford Accident and Indemnity Company. When they determine the refund to be made, and we are informed, we will get in touch with you immediately.

Very truly yours,

/s/ D. Coakley

(Mrs.) D. W. Coakley, for
Henry R. Wharton Insurance Company

C
cc: Clarke & Sampson, Inc.
Hartford Accident & Indemnity Company
Computer Sciences Corporation
U. S. Dept. of the Interior, Geological Survey

c
o p y

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
		120
		220
		130

7/8/71

JUL 8 1971

Henry R. Wharton Insurance Co.
P. O. Box 1055
Alexandria, Virginia 22314

Re: DMEA-4947, Contract Idm-E1224 (Nickel)
OME-6104, Contract 2123 (Nickel)
OME-6369, Contract 2198 (Nickel)
Knox Mining Corporation (Assignee)
Crawford Pond, et al., Prospects

Gentlemen:

At the request of Mr. Clifford F. Casey, Computer Sciences Corporation, we enclose copies of our letters, dated June 21, 1966, and May 7, 1968, to the Hartford Accident and Indemnity Company informing it of the amounts of the Performance Bonds required to cover the contracts listed below:

Contract No.	Penal Sum
Idm-E1224	$64,633.14
14-23-090-2123	15,302.25
14-23-090-2198	15,156.65

Sincerely yours,

Harold Kirkemo

Harold Kirkemo
Chief, Office of
Minerals Exploration

Enclosures

Copy to: Mr. Clifford F. Casey

cc: Director's Reading File
Mineral Resources
OME dockets
OME Reading File
Mr. Kirkemo

HKirkemo/gla 7-8-71

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
4/9/71		120
		220
		130

April 9, 1971

Mr. Donald E. Wyke
Supervisor-Exploration
Knox Mining Corporation
P. O. Box 668
429 Main Street
Rockland, Maine 04841

Re: DMEA-4947, Contract Idm-E1224 (Nickel)
OME-6104, Contract 2123 (Nickel)
OME-6369, Contract 2198 (Nickel)
Knox Mining Corporation (Assignee)
Crawford Pond, et al., Prospects

Dear Mr. Wyke:

Thank you for your letter of March 29, 1971 (Ref. No. 2365) and the map and Form MME 63 enclosures. We note one difference between information shown on the map and that in our letter to Mr. T. Thomas, Secretary, Knox Mining Corporation, dated September 22, 1970, which pertained to terminated leases.

The map legend indicates a solid green color for "Leases added in February-March 1970 report," but our records indicate that Lease No. 34 145, colored green on the map, was added by Amendment No. 5, dated January 7, 1966, and later transferred as Lease No. 34 145B to another party under Amendment No. 16, dated October 27, 1969. What is the "February-March 1970 report" referred to in the legend? Is it the list accompanying Mr. T. Thomas' letter of April 1, 1970 (Reference No. 1060)?

Your reply to question No. 1 on Form MME 63 refers to a document signed September 5, 1970. We believe this date should be corrected to September 22, 1970, and refers to the letter of that date referred to in the opening paragraph.

cc: Director's Reading file
Mineral Resources
3 OME dockets
OME Reading file
R. A. Laurence (enclosures)
Mr. Kirkemo
130
HKirkemo/gla 4-9-71

Sincerely yours,

Harold Kirkemo

Harold Kirkemo
Chief, Office of
Minerals Exploration

Copies to:

Mr. T. Thomas
Secretary
Knox Mining Corporation
845 Hanna Building
Cleveland, Ohio 44115

Mr. Larry G. Hayes
Vice President-Manager
Knox Mining Corporation
P. O. Box 668
Rockland, Maine 04841

Mr. Clifford F. Casey
Competer Sciences Corp.
7th Fl., 803 West Broad St.
Falls Church, Va. 22046

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
4/9/71		120
		220
		130

April 9, 1971

Mr. Donald E. Wyke
Supervisor-Exploration
Knox Mining Corporation
P. O. Box 668
429 Main Street
Rockland, Maine 04841

Re: DMEA-4947, Contract Idm-E1224 (Nickel)
OME-6104, Contract 2123 (Nickel)
OME-6369, Contract 2198 (Nickel)
Knox Mining Corporation (Assignee)
Crawford Pond, et al., Prospects

Dear Mr. Wyke:

Thank you for your letter of March 29, 1971 (Ref. No. 2365) and the map and Form MME 63 enclosures. We note one difference between information shown on the map and that in our letter to Mr. T. Thomas, Secretary, Knox Mining Corporation, dated September 22, 1970, which pertained to terminated leases.

The map legend indicates a solid green color for "Leases added in February-March 1970 report," but our records indicate that Lease No. 34 145, colored green on the map, was added by Amendment No. 5, dated January 7, 1966, and later transferred as Lease No. 34 145B to another party under Amendment No. 16, dated October 27, 1969. What is the "February-March 1970 report" referred to in the legend? Is it the list accompanying Mr. T. Thomas' letter of April 1, 1970 (Reference No. 1060)?

Your reply to question No. 1 on Form MME 63 refers to a document signed September 5, 1970. We believe this date should be corrected to September 22, 1970, and refers to the letter of that date referred to in the opening paragraph.

cc: Director's Reading file
Mineral Resources
3 OME dockets
OME Reading file
R. A. Laurence (enclosures)
Mr. Kirkemo
130
HKirkemo/gla 4-9-71

Sincerely yours,

Harold Kirkemo

Harold Kirkemo
Chief, Office of
Minerals Exploration

Copies to:

Mr. T. Thomas
Secretary
Knox Mining Corporation
845 Hanna Building
Cleveland, Ohio 44115

Mr. Larry G. Hayes
Vice President-Manager
Knox Mining Corporation
P. O. Box 668
Rockland, Maine 04841

Mr. Clifford F. Casey
Competer Sciences Corp.
7th Fl., 803 West Broad St.
Falls Church, Va. 22046

KNOX MINING CORPORATION, P.O. BOX 668, 429 MAIN ST., ROCKLAND, MAINE 04841
TEL. 207-596-6[illegible]

March 29, 1971
Ref. No. 2365

Mr. Harold Kirkemo, Chief
Office of Minerals Exploration
U.S. Geological Survey
Room 4461
United States Department of the Interior
Washington, D.C. 20242

Dear Kirkemo:

The enclosed maps and letter present the status of land control and mining operations by Knox Mining Corporation in the county of Knox, State of Maine for the year 1970.

ME:

Docket No.	Contract No.	Date	Royalty Expiration Date
DMMA-4947	Idm-81224	6/30/58	6/30/73
OME-6104	14-23-090-2123	2/16/61	3/17/81
OME-6369	14-23-090-2198	3/17/65	3/17/81

Although the date on the map has been revised to March 31, 1971 the map is essentially the same as it was submitted and dated February 2, 1970. There were no new leases acquired and no further request for lease termination is made herein.

Since we neglected to locate and include the boundaries of our Mining Lease No. 3 with the State of Maine on the east side of Crawford Pond, it is submitted at this time (see area colored in yellow).

In Area 1B see Lease 142 with its boundaries outlined in yellow. This lease was deleted from OME-6369 contract 2198 by Amendment No. 14 dated December 5, 1967.

Mr. Harold Kirkemo
March 29, 1971
Page 2

We now believe the map is complete and correct with respect to the Areas 1B, 1C and 1D. Should your office require any further information please contact Mr. Larry G. Hayes or myself.

Very truly yours,

Donald E. Wyke
Supervisor-Exploration

Larry G. Hayes
Vice President-Manager

[illegible] G. Lee

United States Department of the Interior

GEOLOGICAL SURVEY
WASHINGTON, D.C. 20242

IN REPLY REFER TO: Office of Minerals Exploration

March 17, 1971

Knox Mining Corporation
845 Hanna Building
Cleveland, Ohio 4415

Attention: Mr. T. Thomas, Secretary

Re: OME-6104 Contract 2123 (Nickel)
OME-6369 Contract 2198 (Nickel)
Knox Mining Corporation,
Assignee
Crawford Pond, et al., Prospects
Knox County, Maine

Gentlemen:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

Harold Kirkemo
Chief, Office of
Minerals Exploration

cc: to Region IV

c
o
p
y

See copy of OME-6369

Form MME 63
(May 1970)

REQUEST FOR INFORMATION ON CERTIFIED PROJECT OR PROJECT UNDER ROYALTY AGREEMENT

1. Since April 1, 1970, has there been a change in ownership, lease, or sublease? *If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before.* Yes [x] No [ ]

On the enclosed map dated March 31, 1971 the leases colored red were dropped and Knox Mining Corporation still has royalty responsibilities as set forth in the document signed on September 5, 1970

2. Since April 1, 1970, has there been any production from the land subject to the contract? Yes [ ] No [x]

A. If so and it was shipped, give quantity, value, and name and address of purchaser.

Purchaser *(name and address)*	Quantity	Value

B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity *(tons)*	Estimated Grade	Location
Ore			
Concentrates			
Other			

3. Since April 1, 1970 workings *(see of contract)*, has any production been transported through Yes [ ] No [x]

If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name /s/ Larry G. Hayes	*Title* Vice President-Manager Knox Mining Corporation
Address P. O. Box 668 429 Main St., Rockland Maine 04841	*Date*

See signed copy of OME-6369

IN REPLY REFER TO:
Office of Minerals Exploration

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON, D.C. 20242

March 20, 1970

file

Knox Mining Corporation
845 Hanna Building
Cleveland, Ohio 44115

Attention: Mr. T. Thomas, Secretary

Re: OME-6104 Contract 2123 (Nickel)
OME-6369 Contract 2198 (Nickel)
Knox Mining Corporation,
Assignee
Crawford Pond, et al., Prospects
Knox County, Maine

Gentlemen:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please ~~answer~~ the questions on the back of this letter and return ~~two~~ copies to this office with copies of any pertinent documents.

Sincerely yours,

Harold Kirkemo

Harold Kirkemo
Chief, Office of
Minerals Exploration

MME Form 63
Revised 7-65

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since September 16, 1969 has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes [X] No [ ]

See enclosed letter (in OME-6369)

2. Since September 16, 1969 has there been any production from the land subject to the contract? Yes [ ] No [X]

A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value

B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity		Estimated Grade	Location
Ore		Tons		
Concentrates		Tons		
Other		Tons		

3. Since , has any production been transported through workings (see of contract)? Yes [ ] No [X]

If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name T. Thomas Title Secretary

Address 845 Hanna Building
Cleveland, Ohio 44115 Date April 1, 1970

IN REPLY REFER TO:
Office of Minerals Exploration

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON, D.C. 20242

March 20, 1969

Knox Mining Corporation, Assignee
P. O. Box 214
312 Montgomery Street
Alexandria, Virginia 22313

Re: OME-6104 Contract 2123 (Nickel)
OME-6369 Contract 2198 (Nickel)
Knox Mining Corporation,
Assignee
Crawford Pond, et al., Prospects
Knox County, Maine

OFFICIAL
COPY
O. M. E.
RECEIVED
SEP 17 1969

INITIALS	CODE

Gentlemen:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return ~~two~~ three copies to this office with copies of any pertinent documents.

Sincerely yours,

Harold Kirkemo

ACTING Harold Kirkemo
Chief, Office of
Minerals Exploration

MME Form 63
Revised 7-65

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since July 21, 1966, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes [X] No [ ]

See attached

2. Since July 21, 1966, has there been any production from the land subject to the contract? Yes [ ] No [X]

A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value

B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity		Estimated Grade	Location
Ore		Tons		
Concentrates		Tons		
Other		Tons		

3. Since , has any production been transported through workings (see of contract)? Yes [ ] No [ ]

If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name T. Thomas Title Secretary

Address 845 Hanna Building
Cleveland, Ohio 44115 Date September 16, 1969

The last amendment to OME-6369 Contract 2198 was dated as of January 19, 1968 and brought the property listing up to that date. Changes not included in the latest amendment are as follows:

Property Acquired

K4 - from Maine Blueberry Lands, Inc.

Leases Acquired

Lease No.	Name	Acres
Amend No. 5 9.0-1-145B	Sherrill L. & Maureen P. Arey (formerly 145 - Soboleski)	23.92
-418	George A. & Pauline M. Cossar	
-439	Norman W. & Beverly R. Barbour	
-440	Norman W. & Beverly R. Barbour	
-466	Reginald & Linda Upham	
-514	Elizabeth J. Mansfield	
-535	Bertha J. & Benjamin R. Perry	
-537	Josephine C. & Willis A. Moody, Jr.	
-539	Josephine C. & Willis A. Moody, Jr.	
-589	Edith H. Tuttle & Irving P. Tuttle	
-594	Joseph & Elsie M. Cifaldo	
-610	Miles S. & Eila Leach	
-615	Willis R. Vinal	
-640	Carl B. & Mary E. Erickson	
-728	Russell J. & Florence E. Studley	

ENVIRONMENTAL RESEARCH CORPORATION
A SUBSIDIARY OF COMMUNICATIONS & SYSTEMS, INCORPORATED
813 NORTH ROYAL STREET • P. O. BOX 1061 • ALEXANDRIA, VIRGINIA 22313 • PHONE 703 549-2910

August 14, 1969

OFFICIAL COPY
O. M. E.
RECEIVED
AUG 15 1969
INITIALS | CODE
120

IN REPLY REFER TO:

Mr. Harold Kirkemo, Chief
Office of Minerals Exploration
United States Department of the Interior
Geological Survey
Washington, D. C. 20242

OME-6104

Dear Mr. Kirkemo:

I have received your letter and MME Forms 63, dated August 12, 1969. As I am no longer an officer of Knox Mining Corporation, I will forward this material to Cleveland, attention Mr. H. C. Lee.

For your information and files, enclosed is a copy of the current organization of Knox Mining Corporation. Addresses of the various members are as follows:

Max Muller, H. C. Lee, M. J. Ludwig, T. Thomas and E.P. Arnolt:

Knox Mining Corporation
845 Hanna Building
Cleveland, Ohio 44115
(216) 241-5000

Larry G. Hayes, D. E. Wyke, C. M. Payson:

Knox Mining Corporation
P. O. Box 668
Rockland, Maine 04841
(207) 596-6635

Roland F. Beers:

West Road
Manchester, Vermont 05354
(802) 362-1135

My address is now: Environmental Research Corporation, P. O. Box 1061, Alexandria, Virginia 22313. Street address is 813 North Royal Street, Alexandria. ERC's telephone is (703) 549-2910. I also maintain a separate line for Knox Mining Corporation business: 549-7363.

I enjoyed very much talking with you this morning. Please extend my very best regards to everyone in your office.

Sincerely,

C. F. Casey

CFC:mja

Enclosure

C. F. Casey

Knox Mining Corporation
845 Hanna Building
Cleveland, Ohio 44115

April 18, 1969

To: Directors and Officers of
Knox Mining Corporation

Because of the various recent changes in Directors and Officers of Knox Mining Corporation, Mr. Lee has suggested that each of you be advised as to the current incumbents, as follows:

Directors

Max Muller
R. F. Beers
H. C. Lee
M. J. Ludwig

Officers

H. C. Lee, President
M. J. Ludwig, Vice President
L. G. Hayes, Vice President
C. M. Payson, Clerk
T. Thomas, Secretary and Assistant Treasurer
E. P. Arnolt, Treasurer and Assistant Secretary
D. E. Wyke, Assistant Secretary

T. Thomas
Secretary

TT:mb

cc: C. F. Casey
J. S. Bakos

AUG 12 1969

Mr. C. F. Casey
Knox Mining Corporation
813 North Royal Street
Alexandria, Virginia 22314

Re: DMEA-4947, Contract Idm-E1224 (Nickel)
OME-6104, Contract 2123 (Nickel)
OME-6369, Contract 2198 (Nickel)
Knox Mining Corporation, Assignee
Crawford Pond, et al., Prospects
Knox County, Maine

Dear Mr. Casey:

Enclosed are two duplicate sets of MME Form 63--Request for Information on Certified Project, previously mailed to the Knox Mining Corporation, Assignee, P. O. Box 214, 312 Montgomery Street, Alexandria, Virginia 22313, which may not have come to your attention.

It will be appreciated if you will complete the forms and return the number requested for our files, retaining one of each for your records.

Sincerely yours,

Harold Kirkemo

Harold Kirkemo
Chief, Office of
Minerals Exploration

Enclosures

cc: Director's Reading File
Mineral Resources
OME dockets (3)
OME Reading file
Mr. Kirkemo
130

GLAult/a 8-12-69

NNING W. HEARD
CHAIRMAN OF THE BOARD

H. V. WILLIAMS
PRESIDENT

HARTFORD ACCIDENT AND INDEMNITY COMPANY

HARTFORD, CONNECTICUT 06115

DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
Washington, D.C.

Date February 1, 1967

Bond No. 3775558

Your No. 14-23-090-2123

Contractor Knox Mining Corp. Address Alexandria, Va.

Description of Contract Docket #OME 6104 Contract No. 14-23-090-2123 nickel mineral exploration program in area of Crawford Pont, Knox County, Maine

Owner USA

Contract Price $24,093.00 Bond(s) $15,302.25 F.P. Effective Date 7-21-66

Without prejudicing your right or affecting our liability under our bond(s) described above, we would appreciate the following information.

Yours very truly,

W. H. Wallace

Vice-President

IF CONTRACT COMPLETED, PLEASE STATE:

Approximate completion date July 27, 1962

Approximate acceptance date July 30, 1962

Final Contract Price $15,302.25

IF CONTRACT UNCOMPLETED, PLEASE STATE:

Approximate amount completed
(Percentage or dollar amount)

Paid to Date

Retainage

Are there any claims, assignments or liens on file? Check one: Yes ☐ No ☑

Remarks Certification of Possible Production issued under the provisions of OME-6104 under date of March 7, 1963. Remains effective until February 16, 1977, or Government is repaid such sum whichever occurs first. Bond remains effective until such date.

Date February 6, 1967

Signature FRANK E. JOHNSON
Frank E. Johnson, Chief

Address Office of Minerals Exploration
U. S. Geological Survey
Dept. of the Interior
Washington, D. C. 20242

RETURN THIS INQUIRY IN ENCLOSED SELF-ADDRESSED, STAMPED ENVELOPE TO:

HARTFORD ACCIDENT AND INDEMNITY COMPANY
1101 17th ST., N. W.
Washington, D. C.

OFFICIAL FILE COPY

Date	Surname	Code
7 22	Kirkemo	120
		110
	Col	220

JUL 22 1966

File OME-6104

Mr. Lawrence D. Hellman
Klagsbrunn & Hanes
Ring Building
Washington, D. C. 20036

Re: OME-6369 (Nickel)
Knox Mining Corporation (Assignee)
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2198

Dear Mr. Hellman:

This is to acknowledge receipt today of four additional copies of Amendment and Consent to Assignment and Assignment and Acceptance of Assignment for the subject docket, and involving OME-6104 and DMEA-4947.

In accordance with your observation yesterday, we will identify this two-part document as Amendment No. 9 to Contract 2198, OME-6369, and copies will be filed with dockets OME-6104 and DMEA-4947 which Roland F. Beers, Inc., assigned to the Knox Mining Corporation on July 21, 1966.

Sincerely yours,

FRANK E. JOHNSON (gla)

Frank E. Johnson
Chief, Office of
Minerals Exploration

Copy to: Knox Mining Corporation
P. O. Box 1061
Alexandria, Virginia 22313

cc: Director's Reading File
Division File
Economic Geology File
Branch of Budget & Finance w/2 cys Amendment (No. 9) and Consent to Assignment and Assignment and Acceptance of Assignment
Reg. IV w/cy Am.9 & Assign. 3 Performance Bonds - OME-6369, OME-6104, DMEA-4947
OME Reading File
Mr. Kirkemo

HKirkemo/gla 7-22-66

23263

July 6, 1966

OFFICIAL COPY O. M. E. RECEIVED JUL 11 1966	
INITIALS	CODE
HK	120
	110

Mr. Harold Kirkemo
Division of Minerals Exploration
Office of Minerals Exploration
U. S. Department of the Interior
Washington 25, D. C.

Re: OME-6369 (nickel)
Roland F. Beers, Inc.
Crawford Pond, et al Prospects
Knox County, Maine
Contract 2198

Dear Mr. Kirkemo:

The enclosed list represents all of the leases currently in force with respect to contracts DMEA-4947, OME-6104, and OME-6369. In cases where a lease was in effect under more than one contract, such lease is designated in multiplex. This list has been carefully prepared from our files and is, to the best of my knowledge, both accurate and up to date.

There are some leases in the series of numbers 148 through 157 for which we have not sent copies to your office, as yet. These are new leases. I have listed them under Contract OME-6369 in accordance with the requirements set forth in Annex I. To avoid unnecessary duplication, I would like to check with you (by telephone) to determine which of these you do not have.

Very truly yours,

ROLAND F. BEERS, INC.

Clifford F. Casey

Filed in Filing Cabinet Room 4457 7/13/66

CFC:djh

Enclosure

APPENDIX A

Lease No.	Name	DMEA-4947	OME-6104	OME-6369
State of Maine	Mining Lease No. 3	x	x	x
9.0-1-2	Gertrude A. and Burleigh M.F. Esancy	x		
-3	Arthur & Margaret Anderson		x	
-4	James P. Moody, Muriel C. Moody & J. Blanche Moody	x		
-5	Philip G. Lonn and Thelma W. Lonn	x		
-7	Richard A. Meservey	x		x
-8	Harry A. and Kathryn V. Perpall	x	x	x
-10	Gertrude A. and Burleigh Esancy	x		
-11	Earl R. Norwood Sr. et ux	x		
-15	Basil A. Brown et ux	x		
-18	Norman E. Brown	x		
-20	Winona E. Harriman and Paul P. Harriman	x	x	x
-21	George E. Jacobs et ux	x		
-22	Knox Timber, Inc.	x		x
-23	Earl R. Norwood Sr. et ux	x		
-24	Knox Timber, Inc.	x	x	x
-25	William H. Blake	x		
-26	Richard F. Edgecomb et ux	x		x
-28	Linwood B. Hilt et ux	x		x
-28A	Linwood B. Hilt (core shed lease)	x		

Lease No.	Name	DMEA-4947	OME-6104	OME-6369
9.0-1-30	Ella E. & Ruth M. Creamer	x		x
-30B	Ella E. & Ruth M. Creamer			x
-33	Herbert O. Simmons & Grace G. Simmons	x		x
-35	Gladys Hupper and Ralph Hupper	x		x
-36	Franz U. Burkett	x		
-38	Frank H. and Olive E. Grassow	x		
-40	Marion W. Hart	x		
-41	Earl R. Norwood, Sr. & Lura B. Norwood	x		
-47	Grevis F. Payson	x		
-63	Marion J. Hart	x		
-63A	Marion J. Hart	x		
-69	Flora I. Johanson	x		
-71	Mary E. & Elizabeth G. Hilt	x		x
-72	Ida M. Westberg	x		x
-74	Harry L. & Vivian Irene Pushaw	x		
-75	Harry L. & Vivian Irene Pushaw	x		
-83	Roland E. & Gretchen A. Payson	x		
-101	Lloyd G. & Winona L. Brown	x		
-102	Lloyd G. & Winona L. Brown	x		
-103	Lloyd G. & Winona L. Brown	x		
-125	Leroy G. Williams	x	x	x
-126	Elmer C. & Lois M. Hart (Formerly -124)	x	x	x
-127	Elmer C. & Lois M. Hart (Formerly -9)	x		x

Lease No.	Name	DMEA-4947	OME-6104	OME-6369
9.0-1-128	Sidney M. and Katherine H. Bird	x		x
-129	David K. Abbott & Wilbur C. Abbott (formerly -1)	x		x
-141	Miles S. & Eila R. Leach			x
-142	Elmer C. & Lois M. Hart			x
-143	Beach C. and Vera M. Hubbard			x
-144	Vernon & Shirley Berry			x
-145	Stanley A. and Carole A. Soboleski (formerly -34)			x
-148	Annie Lehto			x
-151	Barbour			x
-152	Maker & Wotton			x
-153	Hall			x
-154	Wyllie			x
-155	Orff			x
-156	Wallace			x
-157	Jameson			x

MME Form 7
(2[illegible])

OFFICIAL FILE COPY

Date	Surname	Code

6/9/66

Mr. Lawrence Wollman
710 Sing Building
Washington, D. C. 20036

[illegible] OSE-6[illegible] (Uranium)
Roland [illegible]ers, Inc.
[illegible], Pronge to
Knox Co[illegible]
Contra[illegible]

Dear Mr. Wollman:

Pursuant to your conversation this morning with Mr. Kirkham, we are enclosing a list of leases which we believe are currently valid and in force for INKA-49[illegible], OSE-6104, and OSE-6369. The list was compiled from the contracts, as amended, and from a list of leases received February [illegible], 1964, from Roland F. Beers, Inc. We were unable to prepare a satisfactory summary from the 9 maps received from Mr. Casey on March 2[illegible], 1966.

We will be glad to discuss the list with you in the event there are any questions. We assume that you will phone Mr. Long to discuss the problem of executing a Performance Bond upon assignment of the present contract to Knox Mining Corporation.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

Enclosure
cc: Mr. C. F. Casey

[illegible]

23263

MME/Form 7
(2/63)

OME-6104

OFFICIAL FILE COPY

Date	Surname	Code

May 31, 1966

Memorandum

To: The File

From: Harold Kirkemo

Subject: Valid leases for Roland F. Beers, Inc., Dockets DMEA-4947, OME-6104, and OME-6369

Our records as of June 1, 1966, indicate that the following leases included under contracts for DMEA-4947, OME-6104, and OME-6369 are in full force and effect:

Lease No.	Name	DMEA-4947	OME-6104	OME-6369
State of Maine	Mining Lease No. 3	X	X	X
9.0-1-3	Arthur & Margaret Anderson		X	
-7	Richard Meservey			X
-8	Harry A. & Kathryn V. Perpall	X	X	X
-20	Winona E. & Paul P. Harriman	X	X	X
-22	Knox Timber, Inc.			X
-24	Knox Timber, Inc.		X	X
-26	Richard F. & Evelyn F. Edgecomb	X		X
-26A	" " " " "	X		
-27	Earl R. & Lura B. Norwood		X	
-28	Linwood B. & Evelyn G. Hilt	X		X
-28A	" " " " "	X		
-30	Ella E. & Ruth M. Creamer	X		X
-33	Herbert O. & Grace G. Simmons	X		X
-35	Gladys Hupper			X
-36	Franz U. Burkett	X		
-69	Flora I. Johanson	X		
-71	Mary E. & Elizabeth G. Hilt			X
-72	Ida M. Westberg			X
-124	Elmer C. & Lois M. Hart		X	
-125	Leroy G. Williams	X	X	X
-126	Elmer C. & Lois M. Hart	X		X
-127	Elmer C. & Lois M. Hart	X		X

23263

Lease No.	Name	DMEA-4947	OME-6104	OME-6369
9.0-1-128	Sydney M. & Katherine H. Bird	X	X	X
-129	David K. & Wilbur C. Abbott	X		X
-129A	" " " " "	X		
-141	Miles S. & Eila R. Leach			X
-142	Elmer C. & Lois M. Hart			X
-143	Beach C. & Vera M. Hubbard			X
-144	Vernon & Shirley Berry			X
-145	Stanley A. & Carole A. Soboleski			X
-148	Annie Lehto			X

Harold Kirkemo

cc: Dockets DMEA-4947
" OME-6104
" OME-6369
Director's Reading File
Division File
Economic Geology File
OME Reading File
Kirkemo

HKirkemo/mm (5/31/66

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
	Griswold	500
3/7	Talbut	800
	Selfridge	120
3/7	Hinman	110
		100
		320

MAR 7 1963

Hartford Accident and Indemnity Company
Asylum Street
Hartford, Connecticut

Re: CME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Gentlemen:

For your information, a certification of possible production has been issued to the Operator as a result of the exploration program under the subject contract.

The property as set forth in the contract is covered by your Performance Bond, dated February 16, 1961, under the captioned name and contract number. The bond remains in effect for the time stated in the certification, but may be reduced to $15,302.25.

We are enclosing a copy of the certification for your records.

Sincerely yours,

George Fumich, Jr.

Director

Enclosure

WRGriswold/mm
3/7/63
cc: Director's Reading File
Div. of Contract Adm. & Audit
Region IV
Docket
Code 500

8623

Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
11/8	GCS	120
11/8	WW	800
11/9	CAC	220
		500

NOV 9 1962

Memorandum

To: Mr. Robert A. Laurence
U. S. Geological Survey
Room 11, Post Office Building
Knoxville 2, Tennessee

From: Chief, Division of Field Operations

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Enclosed for Stages I and II are copies of MME Form 60 and MME Form 61 with a statement of additional costs claimed by the Operator for the period May 1961 to April 1962, a copy of the Operator's transmittal letter, dated October 16, 1962, and a copy of a memorandum, dated October 22, 1962, to the Chief, Fiscal Section, Division of Administrative Services, Office of the Secretary, approving payment of the amount claimed.

George C. Selfridge (gla)

Enclosures

GCSelfridge/gla (11-8-62)
cc to: Director's Reading File
Mr. Selfridge
Docket

43683

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
11/7	GCS	120
"	Johnson	110
11-9	Fennell	100
11/6	CAC	220
11/8	WRY	500

NOV 7 1962

Dr. Roland F. Beers
President
Roland F. Beers, Inc.
Post Office Box 23
Alexandria, Virginia

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Dr. Beers:

Thank you for your kind letter of November 2, 1962, and your thoughtfulness in supplying me with two copies of the final report on the State of Maine project. I hope to give it a little more study this winter.

Sincerely yours,

George C. Selfridge (gla)

George C. Selfridge, Chief
Division of Field Operations

GCSelfridge/gla (11-7-62)
cc to: Docket
Mr. Selfridge
Director's Reading File

8623

ROLAND F. BEERS, INC.
POST OFFICE BOX 23
ALEXANDRIA, VIRGINIA

TELEPHONE
AREA CODE 703
549-2910

813 No. ROYAL STREET

November 2, 1962

Mr. George C. Selfridge, Chief
Division of Field Operations
Office of Minerals Exploration
United States Department of the Interior
Washington 25, D. C.

OFFICIAL FILE COPY
O. M. E
RECEIVED NOV 5 1962
DATE
120

Reference: Contract No. 14-23-090-2123

Dear George:

I am not sure whether or not a copy of our final report to the Office of Minerals Exploration under reference contract has reached your office. Knowing of your personal interest in our project, I am pleased to send you herewith two copies of the final report for your use and retention.

At this time, I should like to express our appreciation of your splendid support and cooperation of this project throughout its entire course. By your attention to the developments as they were uncovered, you gave us valuable guidance in the prosecution of the work. You gave us a sense of accountability which prompted us to live up to these requirements and, in doing so, we feel that we are indebted to you and wish to express our thanks.

Sincerely yours,

ROLAND F. BEERS, INC.

Roland F. Beers

Roland F. Beers
President

RFB/cep

Encl. (4)

ME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
10/22	GCS	120
10/22	Talbert	800
10/22	cae	220
10/23	Hall E.H.	500
	6104	

OCT 22 1962

Memorandum

To: Chief, Fiscal Section
Division of Administrative Services
Office of the Secretary

From: Chief, Division of Field Operations, OME

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Enclosed for Stages I and II are the original and two copies each of MME Form 60 and MME Form 61 covering acceptable costs if claimed by the Operator, as set forth in the September 18, 1962, Report of Review of the OME Contract Administration and Audit Division.

It is recommended that the Operator be reimbursed the $145.72 claimed.

George C. Selfridge (gcs)

Enclosures

GCSelfridge (10/22/62)
cc to: Docket OME-6104
Director's Reading File
R. A. Laurence, Region IV, w/cy of MME Forms 60 and 61 and Statement of Additional costs claimed by operator for period May 1961 to April 1962
/Also original of Operator's ltr. of 10/16/62/
CA&A Division
G. C. Selfridge

43683

OFFICIAL FILE COPY

Date	Surname	Code
10/11	[illegible]	120
10/11	Talbot	800
"	Johnson	110
10/11	[illegible]	100
10/11	Cole	220
		500

OCT 1 1 1962

Dr. Roland F. Beers
Roland F. Beers, Inc.
P. O. Box 23
Alexandria, Virginia

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Dr. Beers:

Enclosed for your information and files is a copy of a Report of Review on the project costs under the subject contract.

Sincerely yours,

George C. Selfridge

Chief, Division of Field Operations

Enclosure

GCSelfridge/gla (10-11-62)
Copy to: Docket OME-6104
Director's Reading File
CA & A Division
G. C. Selfridge
R. A. Laurence, USGS, Knoxville, Tenn.
w/cys of memorandum to Fiscal Section, Report of Review dtd 9/18/62, and original memorandum dated 9/18/62 by CA&A Div. to Chief, Division of Field Operations
Fiscal Section, Rm. 7354

43683

OFFICIAL FILE COPY

Date	Surname	Code
10/11	GCS	120
10/11	Talbot	800
"	Johnson	110
"	Funk	100
		220
		500

OCT 1 1 1962

Memorandum

To: Chief, Fiscal Section, Division of Administrative Services, Office of the Secretary

From: Chief, Division of Field Operations, OMK

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Enclosed for your files is the original of a report of Review on the subject Contract.

George C. Selfridge

Enclosure

GCSelfridge/gla (10-11-62)
Copy to: Docket OME-6104
Director's Reading File
CA&A Division
G.C.Selfridge
R.A. Laurence, USGS, Knoxville, Tenn.

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
9/18	joe	220
"	Brownes	500
"	Holt S.T.H.	500

SEP 1 8 1962

Memorandum

To: Chief, Division of Field Operations

From: E. D. Talbert, Acting Chief (Signed) E. D. Talbert
Contract Administration and Audit Division

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond and Alfred Lake Areas
Knox County, Maine
Contract 2123

As requested by Mr. Holt's August 3 memorandum, a Report of Review in lieu of a final audit has been prepared for the subject contract. The original and two copies are enclosed.

If you concur in the facts stated in this Report of Review, please make the distribution authorized by section 4 of OME Circular 2 dated February 17, 1960. As evidence of your concurrence, a copy of your letter transmitting the Operator's copy should be furnished to this Division. If for any reason you do not concur, the original and both copies should be returned to this Division with your comments.

The following matters are brought to your attention for consideration in connection with your concurrence:

(1) The drilling accepted by this review covers an aggregate of 6,086 feet, as shown by the drill logs and the contractor's invoices, rather than 6,085.5 feet as shown on the Operator's MME Forms 61;

(2) As indicated by the drill logs, only holes E-48-1 and A-0-1 have been considered as being drilled from water locations, although the Operator's cost summaries show all Stage II holes except H-18.5-2 and H-17.5-1 as being from water locations.

(3) Accepted costs of holes E-48-1 and A-0-1 include 52 ft. and 5 ft., respectively, of water depth at overburden rates, on the assumption that such was the intent of the contract;

(4) As Mr. Holt's memorandum indicates no delay time as being acceptable, invoiced delays have been assumed to be for the sole account of the Operator;

(5) The $70.00 balance due the Government, as shown on the Report of Review, was caused by an Operator's error in dropping $140.00 in claimed assay costs between its February and March-April 1962 MMX Forms 60; and

(6) If the Operator presents a revised claim to include all costs found acceptable by this audit review, a balance of $143.72 will be due the Operator rather than $70.00 being due the Government.

Although this Report of Review was completed on August 6, release has been withheld pending execution of Amendment No. 7 to establish a contract price for Stage II overburden drilling beyond 100 foot depths from water locations.

Enclosures

EDTalbert/ama 8-7-62

cc:
Docket
Director's Reading File
CA & A Division
Fiscal Section

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
9/18	Holt	500
9/18	Talbot	800
		~~800~~
9/18	M Leave	130
"	Johnson	110
9/18	on leave	100
9/18	Cole	220
		500

SEP 18 1962

Memorandum

To: Mr. Robert A. Laurence, U. S. Geological Survey
Room 11, Post Office Building, Knoxville 2, Tennessee

From: Acting Chief, Division of Field Operations

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Enclosed is the Field Office's Copy of executed Amendment No. 7 to the subject contract for the Region IV, OME, Knoxville official file.

W. R. Griswold (gla)

Enclosure

GLAult/a
9-18-62
cc to: Director's Reading File
Review Committee
Docket

43683

ROLAND F. BEERS, INC.
POST OFFICE BOX 23
ALEXANDRIA, VIRGINIA

TELEPHONE
AREA CODE 703
549-2910

813 No. ROYAL STREET

September 17, 1962

OFFICIAL FILE COPY
O. M. E
RECEIVED SEP 18 1962

DATE		
9/18	Griswold	500
9/18	Hoff S.H.	500

Mr. W. R. Griswold, Acting Chief
Division of Field Operations
United States Department of the Interior
Office of Minerals Exploration
Washington 25, D. C.

Re: OME6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al, Prospects
Knox County, Maine
Contract 2123

Dear Mr. Griswold:

Enclosed are original and three copies of Amendment No. 7 to the referenced contract.

All copies of the amendment have been signed by Dr. Beers.

Sincerely yours,

John S. Bakos

John S. Bakos
Controller

JSB/sw

Enclosures

OFFICIAL FILE COPY

Date	Surname	Code
9/11	Holt	500
9/11	Talbut	800
"	on leave	130
"	Johnson	110
9/11	on leave	100
9/12	Cal	220
		500

SEP 1 1 1962

Dr. Roland F. Beers
Roland F. Beers, Inc.
P. O. Box 23
Alexandria, Virginia

Re: CME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Dr. Beers:

Enclosed are the original and four copies of proposed Amendment No. 7 (two pages) to the subject contract, signed by the Acting Director for the Government.

If this proposed amendment meets with your approval, please sign all copies, retain the one marked for the Operator, and return the remaining copies to this office. If it does not meet with your approval, please return all copies to this office with your comments.

Sincerely yours,

W. R. Griswold (gla)

W. R. Griswold, Acting Chief
Division of Field Operations

Enclosures

SPHolt/gla
9-11-62
cc to: Director's Reading File
Review Committee
Docket
Region IV

4368

DRAFT
8/6/62
SPHolt/gla

EXPLORATION CONTRACT
ROLAND F. BEERS, INC.
OME-6104

AMENDMENT NO. 7

It is agreed this _____ day of _____, 1962, between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter called the "Government," and Roland F. Beers, Inc., hereinafter called the "Operator," that Contract No. 2123 (OME-6104), dated February 16, 1961, as amended, is further amended, effective July 1, 1961, as follows:

1. In Exhibit A, Estimated Costs, Stage II, under Category (1) Independent Contracts, Diamond Core Drilling, in the third item change the word "ice" to "water," and in the same item change "50 to 100-ft. depths" to "below 50-foot depths."

This amendment shall not be construed to increase the amount of any item designated as maximum, the fixed unit cost of any item of work, the estimated total cost of the contract, or the aggregate total amount which the Government may be required to contribute.

Executed in quintuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By_____
Director, Office of Minerals Exploration

ROLAND F. BEERS, INC.

By_____

Title_____

OFFICIAL FILE COPY

Date	Surname	Code
8/3	Original	500
8/3	noted Talbert	800

August 3, 1962

Memorandum

To: E. D. Talbert, Acting Chief
Contract Administration and Audit Division

From: S. P. Holt, Mining Engineer S.P.H.
Division of Minerals
For: Acting Field Officer, Region IV

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Work under the subject contract was concluded June 15, 1962.

The number of units of work completed by the Operator and accepted by the Acting Field Officer as conforming to contract specifications were:

Mobilization of diamond drill and equipment	1 job
Diamond drilling	6,085½ feet
Core boxes	112
Assays for nickel, cobalt, copper, iron, or sulphur	301
Incidental allowance	6,086 feet

An acceptable engineering and geological report was received from the Operator on July 30, 1962.

A Report of Review, in lieu of a final on-site audit, is in order and requested.

S.P. Holt

SPHolt/gla
cc to: Director's Reading File
Review Committee
Region IV
Docket
Code 500

43683

ROLAND F. BEERS, INC.
POST OFFICE BOX 23
ALEXANDRIA, VIRGINIA

TELEPHONE
AREA CODE 703
549-2910

1 cy to Mr Kirkeme
by Mr Fischer

ORIGINAL FILE COPY
O. M. E
RECEIVED JUL 31 1962

DATE	INITIALS	CODE
7/31	[illegible]	800
8/1	[illegible]	100
8/3	[illegible]	500
		500

July 30, 1962

Mr. George Fumich, Jr., Director
Office of Minerals Exploration
United States Department of the Interior
Washington 25, D. C.

Dear Mr. Fumich:

Attached hereto are five copies of Part II (Drilling Hole Cross-sections) of Final Report, Contract No. 14-23-090-2123. Part I of this report was mailed to you Friday, July 27, 1962.

Sincerely yours,

ROLAND F. BEERS, INC.

Roland F. Beers

Roland F. Beers
President

RFB/cep

Enclosures (5)

Operator's
FINAL RE-
PORT Pt. II

See Folder marked "Folder 1-A" (gray folder)
"Part II-Drilling Hole Cross-sections"

ROLAND F. BEERS, INC.
POST OFFICE BOX 23
ALEXANDRIA, VIRGINIA

TELEPHONE
AREA CODE 703
549-2910

813 No. ROYAL STREET

July 27, 1962

Mr. George Fumich, Jr., Director
Office of Minerals Exploration
United States Department of the Interior
Washington 25, D. C.

Dear Mr. Fumich:

Attached hereto are five copies of Final Report, Contract No. 14-23-090-2123. After you have reviewed this report, we will be pleased to discuss any questions which may arise.

Sincerely yours,

ROLAND F. BEERS, INC.

Roland F. Beers

Roland F. Beers
President

RFB/cep

Enclosures (5)

OPERATOR'S FINAL REPORT

OFFICIAL FILE COPY
O. M. E
RECEIVED JUL 30 1962

DATE	INITIALS	CODE
7/30	MJ	800
		120
	Original	500
	Sent	

THE CRAWFORD POND NICKEL DEPOSIT

FINAL REPORT

TO

THE OFFICE OF MINERALS EXPLORATION

UNITED STATES DEPARTMENT OF INTERIOR

Docket No.: OME - 6104
Commodity : Nickel
Contract No.: 14-23-090-2123
County : Knox
State : Maine

OFFICIAL FILE COPY
O. M. E
RECEIVED JUL 30 1962

DATE	INITIALS	CODE

ROLAND F. BEERS, INC. 813 NORTH ROYAL STREET ALEXANDRIA, VIRGINIA

June 15, 1962

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Drilling Program	2
Table I - Chronology of Drilling	2
Table II - Physical Characteristics of the Drilling Holes	3
Mineralogic and Flotation Studies	3
Table III - Tabulation of Assays	4, 5, 6
Geology	8
Characteristics of Rocks Associated with the Ore Body	8
Sulfides	9
Dikes (Pegmatites and Lamprophyres)	9
Trend	10
Attitude	10
Host Rock	10
Estimate of Tonnage	11
Tonnage Computations	12
Table IV - Estimate of Grade and Tonnage Nickel-Copper Ore	14

Enclosures:

Block Diagram No. 1 - Map of Harriman Prospect

Block Diagram No. 3 - Map of Crawford Pond Prospect

THE CRAWFORD POND NICKEL DEPOSIT

FINAL REPORT TO THE OFFICE OF MINERALS EXPLORATION

INTRODUCTION

On February 16, 1961, Roland F. Beers, Inc. (Operator) entered into an agreement with the Office of Minerals Exploration, United States Department of the Interior. Under this agreement, the Government will provide financial assistance in the search for unexplored nickel deposits in Knox County, Maine. This contract (14-23-090-2123) called for a total allowable cost of $48,186.00, to which the Government would advance fifty percent as a loan. Work authorized under the contract was initiated on May 1, 1961, and was concluded June 15, 1962.

The purpose of the program was to explore the relatively large areas, geologically and geophysically favorable, delineated by previous geophysical exploration and core drilling (see Final Report, Contract Idm-E1224, DMEA). The program was designed to confirm and enlarge prior reserve estimates of approximately four million tons for the entire prospect. Initially, the work proposal called for core drilling in a pattern to intersect the ore body at intervals of not less than 200 feet along the known extent.

Secondary objectives were (a) to test an extensive geophysical anomaly, of favorable characteristics, under Alford Lake, and (b) to determine the relationship of the south end of the Harriman ore body to the north end of the Crawford Pond mineralized zone.

To accomplish these objectives, fourteen holes, aggregating 6,086.0 feet, of diamond drilling, were completed. Of the total drilling footage, 4,361.5 feet, distributed over ten holes, were expended on the Crawford Pond zone; two holes totaling 1,001.0 feet were put down at Alford Lake; two holes involving 723.5 feet tested the south end of the Harriman zone.

In over-all aspect the work program completed under the current contract was successful, although the information relating to the secondary objectives is largely negative.

On the basis of previous drilling and that completed under the current program, the ore reserves of the Crawford Pond East Side zone are revised to approximately two million tons (short) with an average nickel tenor of 0.623%.

DRILLING PROGRAM

Detailed lithologic logs of all drill holes were submitted with monthly progress reports and are not duplicated herein. However, cross-sections of all drill holes are included because they constitute a summary of drilling information and they clearly illustrate the geologic characteristics upon which the reserve estimates are based. The collar locations of all drill holes are shown on an accompanying map.

The chronology of drilling and the physical characteristics of all drill holes are presented below in tabular form.

TABLE I

Drill Hole	Beginning Date	Completion Date
E-60-2	5/1/61	5/13/61
E-52-2	5/14/61	5/31/61
E-55-1	6/1/61	6/10/61
E-64-1	6/10/61	6/30/61
E-62-1	7/1/61	7/18/61
E-64-2	7/19/61	8/9/61
E-48-1	8/10/61	8/26/61
E-55-1 (wedged for ore sample during September, 1961)		
E-55-2	10/1/61	10/15/61
E-55-3	10/15/61	10/31/61
E-50-1	11/1/61	11/30/61

The physical characteristics of the drill holes are presented below in tabular form:

TABLE II

Hole	Location	Inclination	Bearing	Total Depth	Elevation	
E-60-2	60.00S+5.52E	-60°	N63°30'W	420'	120' a.s.l.	30'/day
E-52-2	52.20S+6.20E	-60°	N72°00'W	420'	120' a.s.l.	28 2/3 "
E-55-1	54.90S+5.30E	-60°	N72°00'W	363'	110' a.s.l.	36.3 "
E-64-1	63.87S+4.30E	-42°	N72°00'W	550'	120' a.s.l.	±28 "
E-62-1	61.75S+4.70E	-41°	N72°00'W	364'	110' a.s.l.	? 20.2 "
E-64-2	63.87S+4.30E	-60°	N72°00'W	399'6"	120' a.s.l.	18.2
E-48-1	48.00S+4.60E	-90°	None	399'	110' a.s.l.	23.5
E-55-2	54.90S+5.60E	-45°	N72°00'W	420'	120' a.s.l.	28
E-55-3	54.90S+5.60E	-77°	N72°00'W	461'	120' a.s.l.	28.8
E-50-1	49.90S+6.88E	-41°	N72°00'W	565'	120' a.s.l.	18.8

The cross-sections, drill logs, and assays of the above listed drill holes accompany this report.

Eighty-four (84) assays were made on mineralized areas of interest, including sulfide-bearing wall rocks, pegmatites and basic intrusives, as well as massive sulfides. Copies of assay certificates have been previously submitted to the Government and are, therefore, not included in this report. For ready reference in ore reserve calculations, all assay data are summarized in Table III.

MINERALOGIC AND FLOTATION STUDIES

The studies described in this section of the Final Report were not supported by Government funds; however, the data are pertinent to the general problem and the Operator wishes to make this information available.

More than two hundred polished sections were prepared from both core and surface samples. These sections were studied to determine mineralogy, textural relations, grain size,

TABLE III

TABULATION OF ASSAYS

Hole No.	Assay No.	Interval	Cu %	S %	Fe %	Ni %	Co %
E-60-2	1	369' 9" - 374' 9"	0.497	18.17	32.8	0.951	0.095
	2	374' 9" - 379' 9"	0.371	16.66	29.8	0.886	0.103
	3	379' 9" - 384' 9"	0.648	18.90	35.6	1.008	0.103
	4	384' 9" - 389' 9"	0.422	21.19	38.4	1.097	0.110
	5	389' 9" - 394' 4"	0.522	20.64	37.2	1.097	0.103
E-52-2	1	350' 3" - 355' 0"	0.063	2.82	8.4	0.227	0.029
	2	355' 0" - 360' 0"	0.189	7.23	14.2	0.422	0.036
	3	360' 0" - 365' 0"	0.144	6.62	13.4	0.443	0.051
	4	365' 0" - 370' 0"	0.434	4.01	10.4	0.256	0.029
	5	370' 0" - 375' 0"	0.623	4.88	10.6	0.307	0.029
	6	375' 0" - 380' 0"	0.359	8.08	17.8	0.530	0.014
	7	380' 0" - 385' 0"	0.201	1.46	6.2	0.122	0.036
	8	385' 0" - 390' 0"	0.207	3.65	9.4	0.274	0.022
	9	390' 0" - 395' 0"	0.126	1.51	6.0	0.140	0.014
	10	395' 0" - 400' 0"	0.195	0.87	6.2	0.079	0.014
E-55-1	1	297' 8" - 303' 0"	0.346	13.79	28.4	0.843	0.102
	2	303' 0" - 308' 0"	0.680	13.96	31.6	0.983	0.095
	3	308' 0" - 313' 0"	0.510	15.68	31.8	0.780	0.088
	4	313' 0" - 318' 0"	0.283	17.37	34.6	1.079	0.088
	5	318' 0" - 325' 0"	0.176	1.92	8.6	0.156	0.014
	6	325' 0" - 330' 0"	0.415	24.29	46.8	1.593	0.073
	7	330' 0" - 335' 0"	0.617	31.98	54.2	1.914	0.095
	8	335' 0" - 340' 0"	1.012	30.97	53.0	1.719	0.110
	9	340' 0" - 344' 2"	1.315	29.24	47.4	1.662	0.117
E-55-2	1	321' 1" - 325' 0"	0.107	5.09		0.337	
	2	325' 0" - 330' 0"	0.207	7.50	16.6	0.430	0.088
	3	330' 0" - 336' 6"	0.170	8.47	18.8	0.548	0.058
	4	336' 6" - 340' 4"	0.119	3.71		0.244	
	5	340' 4" - 344' 6"	0.270	9.26		0.532	
	6	344' 6" - 349' 0"	0.107	5.89	14.0	0.333	0.073
	7	349' 0" - 354' 0"	0.156	11.64	24.0	0.727	0.058
	8	354' 0" - 358' 8"	0.387	7.11	15.8	0.394	0.066
	9	365'11" - 370' 5"	0.170	7.16		0.402	
	10	370' 5" - 372' 9"	0.321	9.40		0.394	
	11	372' 9" - 378'10"	0.504	2.47		0.138	
	12	378'10" - 385' 7"	0.308	11.88	23.8	0.707	0.058

TABULATION OF ASSAYS

Hole No.	Assay No.	Interval	Cu %	S %	Fe %	Ni %	Co %
E-55-3	1	365' 2" - 370' 0"	0.113	5.03	11.4	0.316	0.022
	2	370' 0" - 375' 0"	0.220	6.06	13.4	0.375	0.014
	3	375' 0" - 380' 0"	0.441	10.36	19.8	0.613	0.036
	4	380' 0" - 385' 0"	0.522	7.89	14.6	0.447	0.029
	5	385' 0" - 391' 3"	0.233	14.29	26.4	0.845	0.058
E-62-1	1	295' 3" - 302' 0"	0.189	7.10	14.8	0.398	0.044
	2	302' 0" - 305' 6"	0.138	5.09	11.4	0.284	0.029
	3	305' 6" - 320' 0"	0.088			0.073	
	4	320' 0" - 325' 0"	0.201	14.06	28.6	0.744	0.073
	5	325' 0" - 330' 0"	0.252	16.04	31.4	0.845	0.088
	6	330' 0" - 335' 0"	0.088			0.170	
	7	335' 0" - 339' 2"	0.302	12.40	24.2	0.638	0.059
E-64-1	1	341' 4" - 345' 3"	0.441	23.14	38.4	1.213	0.088
	2	351' 5" - 353' 2"	0.567	29.95	47.8	1.715	0.110
	3	356' 2" - 357'10"	0.340	27.26	44.6	1.528	0.102
E-64-2	1	322' 0" - 328' 0"	0.655	28.88	47.6	1.503	0.117

TABULATION OF ASSAYS

Hole No.	Assay No.	Interval	Cu %	S %	Fe %	Ni %	Co %
E-50-1	1	378' 0" - 383' 0"	0.315			0.162	
	2	383' 0" - 388' 0"	0.081			0.174	
	3	388' 0" - 394' 0"	0.107			0.406	
	4	394' 0" - 404' 0"	0.050	0.91	6.2	0.097	0.014
	5	404' 0" - 413' 0"	0.081			0.138	
	6a	413' 0" - 415' 3"					
	b	416' 8" - 418'11"	0.113			0.109	
	c	420' 8" - 423' 2"					
	7a	415' 3" - 416' 8"					
	b	418'11" - 420' 8"	0.081			0.203	
	c	426' 4" - 428' 0"					
	8a	423' 2" - 426' 4"					
	b	428' 0" - 429' 6"				0.020	
	c	429' 6" - 430' 4"					
	d	430' 4" - 432' 4"					
	9a	432' 4" - 433' 1"					
	b	434' 8" - 435' 5"	0.113			0.211	
	c	435' 5" - 437' 3"					
	10a	433' 1" - 434' 8"	0.056			0.060	
	b	442'10" - 445' 6"					
	11	437' 3" - 442'10"	0.107	4.99	12.0	0.312	0.022
	12	445' 6" - 450' 0"	0.056			0.115	
	13	450' 0" - 455' 0"	0.144			0.251	
	14	455' 0" - 463' 0"	0.163	2.42	11.4	0.308	0.014
	15	463' 0" - 471' 2"	0.056			0.069	
	16	471' 2" - 477' 0"	0.094			0.125	
	17	477' 0" - 482' 7"	0.113			0.154	
	18	482' 7" - 483' 3"	0.031	0.03		0.130	
	19	493' 0" - 499' 4"	0.037			0.028	
	20	499' 4" - 504' 4"	0.434	9.04	18.8	0.694	0.051
	21	504' 4" - 511' 4"	0.056	1.13	8.2	0.134	0.014
	22	518' 4" - 526' 2"	0.220			0.079	

nickel distribution, and mineralogic affinities. The results of the study are based on observations derived from standard mineragraphic procedures and use of the Gaudin chromic acid staining technique. Sulfide minerals identified in the explored area (4N - 100S) are:

pyrrhotite	pyrite	sphalerite
pentlandite	niccolite	galena
chalcopyrite	gersdorffite (?)	

In addition to the foregoing sulfides, another mineral, suspected of being a nickel or nickel-cobalt sulfide, is rather widely distributed, though never in significant amounts, in the East Side ore zone.

Magnetite is ubiquitous in basic rock and sulfide zones and is found in a number of relationships with both sulfides and silicates. It may be significant to point out that frequently pentlandite grains are diluted by magnetite in complex vein intergrowths.

Although it was evident from the outset of exploration that pentlandite was the predominant nickel ore mineral, the role of "nickeliferous pyrrhotite" had not been evaluated. Optical examination of polished sections revealed lamellar structures in certain pyrrhotite grains which closely resemble the alpha and beta pyrrhotite of Scholtz. Dennen noted similar structures in sulfide-bearing norite from Dracut, Massachusetts. Although the lamellae, in simple-to-complex development, may be detected on carefully polished sections under high magnification, they become strikingly outlined when stained with the Gaudin chromic acid solution. Because of the differential staining and the association with normal nickel minerals, it was assumed that the stained lamellae were nickel-rich and the unstained host nickel-poor. This particular problem has not been clearly resolved; however, optical, chemical and X-ray studies of the final Ni-Cu-Co concentrate indicate that if nickel is held in the pyrrhotite it is, indeed, in small quantities.

Inasmuch as no cobalt minerals were identified, it is assumed that the cobalt reported on assay certificates is present in pentlandite, proxying for nickel (as is the case with Sudbury ore). All of the copper occurs in the mineral chalcopyrite.

Metallurgical investigations of sulfide ore from the East Union prospect continued through 1961. The flotation process developed by the U. S. Bureau of Mines (Shelton, 1961) has been improved in further developments by R. W. Flagg of Denver Equipment Company. These studies have demonstrated that a competitive nickel-copper-cobalt concentrate can be prepared through selective flotation of Crawford Pond sulfide ore.

GEOLOGY

This portion of the report is concerned with the general characteristics of the basic body and the host rock. Conclusions are drawn from the information provided by drill holes within the limits of traverses 42 South and 64 South. It should be noted that drill holes E-1 and E-4 (traverses 42 South and 60 South respectively) were not a part of the drilling program under Contract No. 14-23-090-2123, but were included in a previous contract with the Defense Minerals Exploration Administration, No. Idm-E-1224, Docket No. DMEA-4947.

CHARACTERISTICS OF ROCKS ASSOCIATED WITH THE ORE BODY

The ultra-basics appear to represent a true intrusive although the information accumulated to date has not conclusively established this as a fact. The original intrusive probably contained pyroxene, olivine, brown mica, and feldspar. Alteration as a result of metamorphism probably produced the variations now noted as anthophyllite, serpentine, talc, biotite, chlorite, and hornblende. The abundance of gabbro and norite cut by drill hole E-55-3 on traverse 55 South is exceptional. Elsewhere in the lake area these types of basic rocks characteristically occur as then lenses above, near the top, or immediately below the peridotite body. In general, the basic body is represented by a chloritic peridotite and the variations are local. One exception that should be noted is the section of chlorite-free pyroxene cut in drill hole E-55-1 where the pyroxene is mostly augite and is comparable to the basics of the original outcrop near the coordinates 0.0 + 0.0 on the land grid.

SULFIDES

Sulfides that occur in the peridotite body are pyrrhotite, chalcopyrite, pentlandite, niccolite, sphalerite and galena. They are listed here in order of decreasing abundance. Sphalerite and galena are present only in trace quantities but are recognizable by hand lens. The most abundant sulfide, pyrrhotite, is disseminated and rather evenly distributed locally. When the amount approaches 50% of the total volume, the pyrrhotite crystals are interconnected. Chalcopyrite content is not evenly distributed but is concentrated in zones which are often adjacent to dikes. Niccolite is sometimes observed by hand lens as thin veinlets in dike material. The most obvious quantitative variation of pyrrhotite is from top to bottom in the peridotite body. Five to fifteen percent pyrrhotite by volume is common for the upper one quarter section and a gradual increase in noticeable toward the lower portion. Sulfide content varies from 30% to massive near the lower part of the body with the massive and semi-massive zones almost invariably lying on the bottom. Impregnation of wall rock beneath the basic rock characteristically involves only three to five feet and can usually be described as semi-massive. The thicker sections of sulfides in the lake area lie between the traverses 52 South and 60 South. To the north of this area there are probably more total sulfides but the quantity is disseminated through a much thicker basic section. To the south the basic rocks lens out at least along the established trend and at traverse 64 South no basic rocks are associated with the vein of massive sulfides. The high nickel values in the lake area were from cores between traverses 55 South and 64 South. These values are generally associated with the massive and semi-massive pyrrhotite zones in the lower part of the basic body. Noticeable in the massive zones are minor amounts of biotite, quartz, garnet, and possibly feldspar.

DIKES (PEGMATITES AND LAMPROPHYRES)

Numerous pegmatite dikes penetrate the ultra-basic body in the lake area. Between traverses 42 South and 50 South the dilution of the lake body by these dikes is comparable to the Harriman body. At traverse 50 South the dilution is greater. From traverse 52 South to traverse 62 South the pegmatite dikes

occur less frequently than was expected. Dark colored, fine-grained dikes identified as lamprophyres sometimes cut both the peridotite and the pegmatites. These thin "exotic" dikes are often porphyritic and contain very little sulfides. When sulfides are present in these dikes it is usually chalcopyrite.

TREND

The original EM Vertical Coil Survey on Crawford Pond between the traverses 42 South and 64 South suggested that the trend of a basic body beneath the pond would be north-south and generally parallel to the base line (N 18° E) with only slight variations. The preliminary drilling, drill holes E-1, E-3 and E-4 supported this assumption. Subsequent drill holes have further proven this is the case. The eastward and westward variation of the EM axis is now attributed to the concentration of sulfides, their proximity to the surface and, possibly, the amount of graphite in the wall rock.

ATTITUDE

Since the bottom of the basic body is invariably more uniform than the top, the bottom of the basic sections on traverses including more than one drill hole was used to determine the attitude of the body. As a result of these calculations the basics are estimated to plunge eastward at 20° in the area of traverse 62 South and 46° at traverse 52 South. If this change of dip continued northward at this rate the plunge would be nearly vertical by traverse 34 South. However, it is assumed that the plunge does not exceed 60° by traverse 42 South and no assumption is made north of this traverse because of insufficient data. Drill hole E-48-1 may have missed the basic body because the basics were in a more nearly vertical position.

HOST ROCK

So far as is known, the basic mass is intrusive into and lies concordant with metasediments which may be generally classified as schists. The minerals sillimanite, quartz,

chlorite, garnet, hornblende, biotite, and muscovite are variable. Dolomite and some marble occur within the schist generally in lenticular forms. Attempts to correlate the dolomites and marbles, even between closely spaced drill holes, have been unsuccessful. Graphite and serpentine occur in the host rock adjacent to the basic body and probably represent alteration haloes. Graphite occurrences often assume 5 to 15% of the wall rock but only in very narrow bands, the usual occurrence being 1% or less of the total volume. So far, no massive graphite beds have been encountered. With respect to the lake area, there is more graphite in the wall rock north of traverse 50 South than elsewhere. Associated pyrite is found in minor quantities wherever the graphite is present. The occurrence of white mica in zones ranging from 2 feet to 6 feet in thickness probably account for the "cavities" logged by the drillers. Here the mica is cemented by calcite and minor silica and very little core is retrieved. No more than one of these soft zones is cut in any single drill hole. They usually occur a considerable distance above the basic body. All attempts to log and make use of the schistosity and foliation of the wall rock for correlation have been unsuccessful. The cores immediately above and below the basic body are particularly distorted.

ESTIMATE OF TONNAGE

The total mass of the ore body, including veins of massive pyrrhotite is estimated to be about two million tons. Actually, insufficient data were obtained by the single drill hole on traverse 42 South and on the structure between traverse 50 South and traverse 32 South. That something unusual has occurred in this area is evidenced by the facts that drill hole E-48-1 missed the basic rock; that drill holes E-1 and H-32-S (located on traverses 42 South and 32 South respectively) cut only narrow sections of basic rock; that drill hole E-50-1 cut a section of basic rock twice the normal thickness; and that ultra-basics containing significant nickel values outcrop on the surface on traverse 34 South at 1.5 East, at an elevation approximately 250 feet higher than those on traverses 42 South and 32 South.

Considering only the assayed sections through the lake area, the total ore tonnage is computed to be approximately two million tons. Considering the abnormal thickness of the E-50-1 traverse, this estimate is probably conservative, since it is assumed that this segment contributes only 63,000 tons. However, this procedure is consistent with that used on all other sections and its effect on the total is minimal.

The marginal limits of the basic body are not known and can only be assumed. The western margin lies approximately below the 2 East coordinate and the eastern margin ranges from 2.5 East on traverse 62 South to 5 East on traverse 50 South. On the basis of total basics, the thick section of norite and gabbro cut by drill hole E-55-3 above the peridotite on traverse 55 South suggests that the eastern limit here extends to at least 6 East but this limit has not been clearly defined. The perodite body varies in thickness from 160 feet at traverse 50 South to 40 feet on traverse 62 South in what is considered to be its central portion. It is assumed to lens out on the margins.

TONNAGE COMPUTATIONS

This method is based on the assumption that we do not know enough about the mineralized zone to assign it a specific shape, especially up-dip and down-dip from the last hole in each section (as on traverse 55 South). Therefore, each hole is assigned a "zone of influence", the specific size of which varies with wide limits.

On those lines with only one drill hole, the width of the zone was a function of the thickness of the assayed section; the width was never less than twice the thickness. In all cases, the length of the rectangular "zone" was one-half the distance to adjacent sections.

On the sections with more than one drill hole, the zone assigned to each hole was one-half the distance to the adjacent hole on the same section. The same half-distance was used to define the outer limits (up-dip and down-dip) of the mineralized area.

Thus, the East Side body was treated as being composed of a number of unit rectangles, the nickel contribution of each being decided by the assays of the core in the center of the rectangle. The tonnage of each block was determined by dividing the volume (cubic feet) by 9.45 (number of cubic feet per ton of "average" ore). The nickel content was then ascertained by multiplying the tonnage of each block by the weighted average assay of the controlling drill hole. The ore reserve estimated is the sum of all unit blocks. The tenor is the ore reserve divided by the nickel content of the entire body. The gross figures given in Table IV include a factor of 10% for dilution.

TABLE IV

ESTIMATE OF GRADE AND TONNAGE NICKEL-COPPER ORE CRAWFORD POND, KNOX COUNTY, MAINE

	Tons	Tons
E-64-1 Block:	28,800	
	0.624% Ni	180
	0.199% Cu	57
E-64-2 Block:	7,830	
	1.503% Ni	118
	0.655% Cu	51
E-62-1 Block:	145,800	
	0.368% Ni	536
	0.159% Cu	232
E-60-2 Block:	189,200	
	1.008% Ni	1907
	0.492% Cu	931
E-4 Block:	659,000	
	0.608% Ni	4007
	0.325% Cu	2142
E-55-1 Block:	196,600	
	1.129% Ni	2220
	0.564% Cu	1109
E-55-2 Block:	280,000	
	0.396% Ni	1109
	0.215% Cu	602
E-55-3 Block:	149,100	
	0.536% Ni	799
	0.304% Cu	453
E-3 Block:	63,700	
	0.677% Ni	431
	0.498% Cu	317
E-52-2 Block:	109,800	
	0.280% Ni	307
	0.254% Cu	279
E-50-1 Block:	63,000	
	0.368% Ni	232
	0.217% Cu	137
E-1 Block:	23,830	
	0.301% Ni	72
	0.126% Cu	30
Total Tonnage:	1,916,660	
Average Grade:	0.623% Ni	11,918 Ni
	0.331% Cu	6,340 Cu
10% Dilution:	191,666	
Gross Tonnage:	2,108,326	
Average Grade:	0.566% Ni	
	0.333% Cu	

MME Form 7
(10-58)

OFFICIAL FILE

Date	Surname	
5/10	GCS	120
"	Holt	500
"		800
5/10	Johnson	110
5/10	Furnish	100
5/10	Cae	220
		500

MAY 10 1962

Memorandum

To: Chief, Fiscal Section
Division of Administrative Services
Office of the Secretary

From: Chief, Division of Field Operations, OME

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Enclosed for Stage II are the original (with supporting documents) and two copies of MME Form 60 and the original and two copies of MME Form 61 covering work performed during March and April 1962.

The AX core which the operator lists meets the specifications for the BX core stipulated in the contract.

It is considered that the work performed complies with the intent of the contract and is acceptable to the Government.

The work performed during the month was on both actual cost and fixed unit cost bases.

Subject to verification of arithmetical accuracy of the report, it is recommended that the operator be reimbursed $1,688.59 for Stage II, which is 50 percent of the monthly total shown on MME Form 60.

George C. Selfridge
(HB)

Enclosures

GCSelfridge/hb (5/10/62)
cc to: Docket OME-6104
Director's Reading File
R.A.Laurence, USGS, Reg. IV, w/enclosures
CA&A Division
Code 500
Selfridge

P.S. Please note that I have added $140.00 of assays to MME Form 61 which the Operator did not carry as he formerly did in the February voucher.

43683

ROLAND F. BEERS, INC.
POST OFFICE BOX 23
ALEXANDRIA, VIRGINIA

TELEPHONE
AREA CODE 703
549-2910

813 No. ROYAL STREET

May 4, 1962

EXTRA COPY
O. M. E.
RECEIVED
MAY 7

Mr. George C. Selfridge
Office of Minerals Exploration
Washington 25, D. C.

Reference: Docket No. OME-6104
Contract No. 14-23-090-2123
Nickel
Knox County, Maine

Dear Mr. Selfridge:

Enclosed you will find four copies each of:

MME Form 60,
Operator's Monthly Vouches for Stage II

MME Form 61,
Operator's Progress Report for Stage II

Narrative Report for Stage II

for March-April, 1962, for the referenced contract.

Very truly yours,

ROLAND F. BEERS, INC.

John S. Bakos

John S. Bakos
Controller

JSB/sw

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
3/28	Selfridge	120
		225

MAR 28 1962

Memorandum

To: Chief, Fiscal Section
Division of Administrative Services
Office of the Secretary

From: Chief, Division of Field Operations, OME

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Enclosed for Stage II are the originals of MME Form 60 and MME Form 61 for the month of February 1962. No costs were submitted for this month.

George C. Selfridge

Enclosures 2

GCSelfridge/hb (3/28/62)
cc to: Docket OME-6104
Director's Reading File
Region IV w/cy of MME Forms 60 & 61
and Narrative Report for February 1962
/Also original of Operator's ltr. of 3/27/62/
CA&A Division
Code 500
G. C. Selfridge

43683

ROLAND F. BEERS, INC.
POST OFFICE BOX 23
ALEXANDRIA, VIRGINIA

TELEPHONE
AREA CODE 703
549-2910

813 No. ROYAL STREET

OFFICIAL FILE COPY
O. M. E
RECEIVED MAR 6 1962

DATE		
3/8	Hart S.P.H	~~120~~ ~~500~~ ✓

March 5, 1962

Mr. George C. Selfridge
Chief, Division of Field Operations
United States Department of the Interior
Office of Minerals Exploration
Washington 25, D. C.

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Mr. Selfridge:

Enclosed are the original and four copies of Amendment No. 6 to the subject contract, signed as you requested.

Your cooperation in this matter is sincerely appreciated.

Very truly yours,

ROLAND F. BEERS, INC.

Roland F. Beers

President

RFB:am
Encls.

Following distribution made on 3/8/62:
Govt's copy to Code 500
Audit's copy to Code 800
Fiscal Section's copy to Rm. 7354 (w/Routing Slip)
Field Office copy & extra copy for Field Office to
R. A. Laurence, Region IV.

H Berry
3/8/62.

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
2/26	Holt	500
	Armand	500
2/26	Talbut	800
2/27	JCS	130
"	Johnson	110
2/27	Turnell	100
2/27	CAC	220
		500

FEB 27 1962

Dr. Roland F. Beers
Roland F. Beers, Inc.
P. O. Box 26
Alexandria, Virginia

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Dr. Beers:

Enclosed are the original and four copies of proposed Amendment No. 6 to the subject contract, signed by the Director for the Government. This proposed amendment has been prepared in accordance with the information contained in your letter of February 16, 1962.

If this proposed amendment meets with your approval, please sign all copies, retain the one marked for the Operator, and return the remaining copies to this office. If it does not meet with your approval, please return all copies to this office with your comments.

Also enclosed are the Operator's copy of Amendment No. 5 and the original of our letter of February 16, 1962.

Sincerely yours,

George C. Selfridge

Chief, Division of Field Operations

Enclosures

SPHolt/gla
2-26-62
cc to: Director's Reading File
Review Committee
Docket
Region IV w/one cy each Opr.'s letters Feb. 1 and Feb. 16, 1962

43683

ROLAND F. BEERS, INC.
POST OFFICE BOX 23
ALEXANDRIA, VIRGINIA

TELEPHONE
AREA CODE 703
549-2910

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 28 1962
DATE

February ~~26, 1962~~

Mr. George C. Selfridge
Chief, Division of Field Operation
U. S. Department of the Interior
Office of Minerals Exploration
Washington 25, D. C.

Reference: Exploration of the Crawford Pond Nickel Deposit

Dear Mr. Selfridge:

Enclosed is a copy of the paper we presented at the AIME Annual Meeting in New York last week. We thought you might like to have it as a summary of all the operations that have been performed on the Crawford Pond project.

Veru truly yours,

ROLAND F. BEERS, INC.

Clifford F. Casey
Chief Physicist

CFC:me
Enclosure

PREPRINT NO. 62L90

SOCIETY OF MINING ENGINEERS
of AIME
345 EAST 47TH STREET, NEW YORK 17, N.Y.

EXPLORATION OF THE CRAWFORD POND NICKEL DEPOSIT

A CASE HISTORY

Roland F. Beers
President
Roland F. Beers Inc.
Alexandria, Virginia

Clifford F. Casey
Chief Geophysicist
Roland F. Beers Inc.
Alexandria, Virginia

Donald E. Wyke
Branch Manager
Roland F. Beers Inc.
Rockport, Maine

Robert S. Young
Consultant
Charlottesville, Virginia

This paper is to be presented at the Annual Meeting of the American Institute of Mining, Metallurgical, and Petroleum Engineers Inc., New York, February 18 to 22, 1962.

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EXPLORATION OF THE CRAWFORD POND NICKEL DEPOSIT

A CASE HISTORY

Roland F. Beers[1], Clifford F. Casey, Donald E. Wyke
and Robert S. Young

ABSTRACT

At East Union, Knox County, Maine, near the shore of Crawford Pond, an outcrop of basic rock has been known for more than a century. The occurrence has been regarded as an unusual type of peridotite-pyroxenite, containing disseminated and massive pyrrhotite with nickel, copper and cobalt in recoverable amounts. From the outcrop, the sulfide body had been mapped more or less continuously for a distance of two miles through geophysical methods of several kinds. This paper describes the methods in sufficient detail to evaluate their significance. A core drilling program has confirmed the location of the conductor and offers a positive means of correlating the geophysical measurements with the physical properties of the ore body. The history of the exploration offers a unique opportunity to evaluate the method of multiple geophysical methods.

Introduction: The Crawford Pond nickel deposit had been subjected to a comprehensive exploration program resulting in the establishment of a sulfide body of economic proportions. By reason of unusual circumstances, it had been possible to investigate the prospect by a number of methods. The results of the exploration are available as a case history in minerals exploration. By comparing the measured geophysical effects of the deposit with the properties and dimensions revealed by core drilling, it is possible to evaluate the methods used and to form an opinion on the effectiveness of combined methods. This paper gives an outline of the geology, petrology, mineralogy, and an account of each phase of the geophysical exploration program.

1.0 Location and Extent: The Crawford Pond Prospect (Nickel-Cobalt-Copper) is located in the eastern part of the Town of Union, Knox County, Maine, on and along the shore of Crawford Pond. The area of immediate interest includes the Harriman farm, a tract of 40 acres which extends in a NE-SW direction along the trend of the conducting ore body, a number of adjoining and nearby tracts totaling about 330 acres, and Crawford Pond, a Great Pond on which 24 claims totaling about 480 acres have been staked with the State of Maine. The total acreage is about 850 acres. The prospect lies mostly in the northwest ninth of the Rockland Quadrangle, latitude 44°12.5'N, longitude 69°14'West. The prospect lies mostly south of state highway 17, about nine miles along the route from Rockland, a seaport on the coast of Maine. Other state roads lead to the prospect area from Camden, 10 miles, and Rockport, 9 miles, to the east, which lie on U.S. Highway 1, about 6 miles north of Rockland.

2.0 Results of the Investigations: The response of the mineralized sections of the basic rock intrusive to electric and magnetic fields has been uniformly good. In terms of sulfide content, both vertical and horizontal coil EM have correctly indicated values consistent with those subsequently found in the cores.

[1]Member, AIME

At first the presence of massive graphite confused the interpretation of EM data, especially where graphite is very close to the sulfide body. By correlating the EM data with core hole data, it has been possible to interpret most of the problems which were initially obscure.

Ground magnetometer data have also been of value in mapping the location of the sulfide body. These data have frequently been obscured by sharp local anomalies due to near-surface occurrence of magnetite-bearing rocks.

The high magnetic susceptibility of these deposits has permitted a distinction to be made between magnetite-bearing anomalies and those which are predominantly due to magnetic pyrrhotite. The close structural correlation so far observed between magnetite-bearing metasediments and the sill-like peridotite intrusive has been of value in confirming the prevailing attitude of the intrusive.

To summarize the results of the geophysical and geological investigations: Geophysical surveys show that a magnetic and electrical anomaly extends along the grid from 4N to 96S, a distance of 10,000 feet, and laterally for varying distances from the base line. The geophysical data have been corroborated by subsequent core drilling. Moreover, quantitative data obtained by laboratory tests on cores are valuable guides in evaluation of the application of the geophysical methods to other prospects of similar nature.

2.1 Results of the core drilling program: The results of the core drilling program to date have been to indicate about 4.5 million tons of ore, as determined directly from drill holes. Additional ore to the extent of about 1 million tons may be inferred, but these figures will be modified upon the conclusion of the drilling program.

3.0 History of the Crawford Pond Prospect: The first published reference on this prospect appears to be that of E.S. Bastin (1908). R.S. Houston (1954) also described the occurrence in his doctoral thesis, and again in Bulletin of the Main Geological Survey(1956). Lindgren(1933) refers to Bastin's work and uses the occurrence of nickeliferous pyrrhotite-in-peridotite as an example of the liquid-magmatic origin of sulfide ores.

4.0 Physiographic Features: The prospect area lies along a small ridge trending N18°E from the northeast shore of Crawford Pond. The western border of the ridge is held up by the underlying metamorphosed limestone and quartzite, dropping off abruptly to a small brook which flows southwest into Crawford Pond. To the east of the ridge, there are numerous small depressions, and just south of Miller Road, east of the small ridge, lies a small pond which drains southwest through a branch into the brook mentioned above. Maximum topographic relief on the prospect is about 150 feet, with Crawford Pond at an elevation of 110 feet above sea level.

The "grain" of the country is evident from aerial photographs. Fracture pattern analysis has shown the effect of structure on the topography. The prospect area shows abundant evidence of glaciation in the distribution and attitudes of glacial debris. In some places, peridotite boulder deposits have been observed to depths of 25 feet or so. The movement of these boulders along definite trains from their original locations has been a valuable guide in the exploration for mineral deposits. Ground water is abundant and closely related to the drainage of the prospect into Crawford Pond.

5.0 Geology: The nickeliferous sulfides of this prospect occur in a peridotite-pyroxenite which has been intruded into biotite schists of the Penobscot formation of Cambrian age. The attitude of the layering of the peridotite and of the schistosity of the biotite schist wall rocks averages N20°E and vertical to steeply eastward in dip.

5.1 Petrology: The predominant country rock in the immediate area of the Crawford Pond peridotite is the Penobscot formation, a heterogeneous biotite schist which forms the east and west walls of the peridotite. Included in what is mapped as biotite schists are dense, black, fine-grained biotite schists, locally containing chalcopyrite and pyrrhotite-quartzo-feldspathic biotite schists which locally could be called lit-par-lit gneisses; medium-grained biotite granite and biotite granite pegmatite, rich in graphic microcline and locally carrying tourmaline. Cores have shown disseminated as well as massive occurrences of graphite and some garnet within the schists.

Locally, the granite pegmatite crosscuts and nearly obliterates zones of biotite schist. Small, irregular pegmatitic patches rimmed with thin biotite-amphibole reaction rims are very common in the peridotite. In some places, chalcopyrite has been concentrated to the extent of 5% to 10% in the pegmatite.

East of the peridotite zone, apparently interbedded with the biotite schist, are two beds of white dolomitic marble of Cambro-Ordovician age, which Bastin (1908) calls the Rockland limestone. They are talcose and tremolitic locally and at the edges grade through an amphibole-rich calc-silicate rock into the biotite schists and gneisses. The marble is exposed in several prospect pits but generally does not outcrop.

The basic igneous rock which is host for the nickel ore on the Harriman property is largely a peridotite or, more properly, a biotite lherzolite. Other basic rocks are present, however, and include biotite gabbro, biotite hornblende diorite, and diabase. Intermediate types such as plagioclase peridotites are also common and in some cases they are sulfide-rich. The peridotite was first described by E.S. Bastin as an olivine (Fa67), biotite, plagioclase, hornblende rock which he called Lermondose. On the basis of a great many thin sections taken from cores, the unaltered peridotite appears to be a biotite, olivine, ortho- and clinopyroxene rock which could be called a biotite lherzolite. The terminology is not critical in view of the variations within the mass.

The peridotite has been intruded by pegmatites and shows uniform symmetrical zones of alteration around the pegmatite dikes. The alteration zones from the pegmatite outward are (1) biotite uralite, (2) steatite, (3) partially uralitized peridotite, (4) fresh peridotite (rare). The metamorphic minerals in the alteration zones are: amphiboles (cummingtonite, anthophyllite, actinolite), mica-structure minerals (biotite, clinochlore, penninite, talc), and secondary magnetite.

All of the secondary minerals but talc drive out the sulfides by displacing them by expansion during recrystallization. Chlorite is so effective at displacing sulfide that every chlorite patch has been poor in sulfide and every chlorite-rich rock has been low in sulfide.

5.2 Structural Geology: The general attitude of the schists and gneisses is N20°E and vertical, but intense local contortions cause frequent variations from this, both in strike and dip. As near as can be ascertained, the peridotite conforms to the general regional attitude. The axis of the conductor swings with the change in strike of the marble horizon to the east of the peridotite. The peridotite, having undergone metamorphism and folding, is assumed to be on the limb of a structure. Drag folding is complex within the schists and has not been mapped out in detail. However, there seem to be two sets of drags, one plunging almost vertically and the other almost horizontally, striking about N20°E.

Faulting seems to be minor, and no transverse displacements of the peridotite or ore have yet been found. Presumably, with such high angle folding, some thrusting is present. Some fault zones have been seen in the cores, but their significance has not yet been determined.

6.0 Geophysics: The Crawford Pond Prospect was surveyed geophysically first in reconnaissance and subsequently in detail. The methods employed were airborne and ground magnetometer, vertical and horizontal coil electromagnetometers; and potential measurements.

Three principal classes of geophysical exploration methods were used. The characteristics, scope and limitations of individual methods are given below. Each method has its particular characteristics so that the use of combined methods is essential. By their use, nearly all limitations may be overcome and a complete outline of conducting sulfide bodies may be attained.

In addition, correlation between methods offers strong confirmation of the facts essential for drilling a prospective ore body. By laboratory measurements, combined with field observations, specific information regarding the composition, size, shape and attitude of underground ore bodies may be inferred. From these conclusions, considerable saving in drilling for ore may be effected. These practices have been employed throughout the exploration of the Knox County sulfide deposits.

Three classes of geophysical prospecting methods have been found to be useful in the discovery and delineation of the Crawford Pond ore deposit. These are: steady-state magnetic, steady-state electric, and electromagnetic induction methods.

Magnetometer Survey: In the class of steady-state magnetic methods the instrument is a vertical force magnetometer. This instrument is a precision magnetic field balance which measures deviations in the vertical component of the earth's magnetic field. Sensitivity of the balance is from 15 to 20 gammas per scale division which is ideal for this type of prospecting. Short-term and long-term stability are excellent.

Instrument performance is checked periodically by a laboratory procedure which calibrates the magnetic balance and the auxiliary magnets. Diurnal variations in background are checked against a base station. Data taken at 25 ft. intervals on the grid are contoured at 400 gamma intervals after suitable reduction.

The overall range of variation in vertical field intensity over the Crawford Pond prospect is found to be about plus or minus 5000 gammas with respect to background. Anomalous variations begin at about plus or minus 200 gammas, as determined by statistical procedures.

D.C. Methods: Four types of steady-state (D.C.) electrical methods have been found to be effective. These are: Self-Potential; Applied Potential; Potential Drop Ratio; Resistivity.

Self-Potential Survey: The self-potential survey was conducted with standard porous pot equipment consisting of non-polarizing copper-sulphate electrodes and a potentiometer. Readings are taken at 50 ft. intervals along the traverses as well as along the baseline. Data reduction consists of adjusting all readings to a common reference datum, then adjusting the datum so that all deviations are negative. The end product is a left-skewed distribution of potentials which are contoured on 100 millivolt intervals. Overall relief on the Harriman prospect has been found to be approximately 800 millivolts. Anomalous contours begin at -200 millivolts.

Applied Potential: Another type of prospecting by D.C. potential measurement is the Applied Potential method. Here the conductor is energized relative to the surface of the ground by placing one electrode in a drill hole. Energy is supplied by a D.C. power supply consisting of an A.C. engine-driven generator and rectifier. The theory of operation for Applied Potential is that the ore body, being a good conductor, will be at a uniform potential throughout its extent. A conductor thus energized will present an electric field which can be measured at the surface of the ground.

Field procedure for mapping of a conductor is the same as for Self-Potential, with the exception that readings are taken at each station with the generator switched on and off. Deviations from SP due to the generator being switched on are calculated and are reduced in the same manner as SP data. The result is a map of potential distribution which may be plotted either in potential relief or as contoured intervals.

Although this method was found to be successful, it was not widely used on the Crawford Pond prospect due to variations in the location of drill holes with respect to the conductor(s).

Potential Drop Ratio: The Potential Drop Ratio (PDR) method measures resistivity contrast along a traverse without the depth-discriminating properties of a standard resistivity technique. Current-carrying electrodes are placed on either side of the conductor and are fed with a constant direct current which is alternately switched on and off. The electric field between points, approximately 100 ft. from the current electrodes, is essentially uniform. Any conductor located in this area will "short circuit" the normal potential drop, and therefore will become evident as an anomaly.

Readings of potential difference are taken successively at 50ft. intervals along a traverse, using the same equipment as for SP. Data reduction consists of removing self-potential (background) readings from those for which the generator is applied. All data are adjusted for constant current and constant line length before the adjusted values are plotted and contoured.

Experience with PDR has shown that excellent conductors at shallow depth lie within the 0 millivolt contour, good conductors lie within the 10 millivolt contour, and 20 millivolts represents a reasonable cutoff between conductive and non-conductive zones.

Resistivity: Resistivity prospecting methods offer possibilities for both horizontal and vertical profiling. Because of the success experienced in the development of PDR technique, the use of resistivity has been restricted to vertical profiling. Vertical profiles using four and five electrode configurations have been found useful principally for measuring the depth of conductors. This information is desired in planning the location, angle and direction of inclined drill holes.

In practice the four (or five) electrodes are placed in a symmetrical manner along the line to be profiled. Current electrodes are located at the ends of the configuration, and potential electrodes are arranged about the center. For each step in expanding the pattern, data are taken from which the bulk resistivity of the subsurface soil and rock can be calculated. When a conductor is encountered, a sharp inflection in the resistivity curve will occur. At this point the distance separating the potential electrodes is an approximate measure of the depth of the conductor.

Very often a depth determination made in this way will be confirmed by repeating the procedure along a line at right angles to the first profile.

Electromagnetic Methods: Four types of electromagnetic induction methods have been used for mapping the Crawford Pond ore deposit. These are the (1) horizontal loop EM, (2) vertical loop EM, (3) natural field (AFMAG), and (4) radio frequency (radio) EM methods. Each method has its own particular merits. All of them have been extremely valuable.

Electromagnetic methods operate on the principle that an electromagnetic field which is changing in intensity (i.e. alternating) will induce a current to flow in a conducting mass. Such a current will itself set up a magnetic field in such a direction so as to oppose the initial (primary) field. The field due to a conductor is called the secondary field.

Field procedures for EM prospecting are designed to detect the presence of secondary fields and to measure them along profiles from which the position of the conductor may be interpreted. Two general methods of prospecting have been devised.

Method No. 1 measures variations in the magnitude of the secondary field as an instrument is moved across a conductor. Field theory tells us that the field from a current-carrying conductor will be strongest when one is at the closest proximity to the conductor. Measurements of intensity are therefore useful means of detection. Since most conductors are not ideal conductors, the form of the secondary field will be complex. It is possible to resolve secondary field measurements into components, thereby yielding additional information on the geometry of a conductor.

Method No. 2 measures variations in the direction of the secondary field as viewed from the surface of the ground. Three of the EM systems employed operate on this principle. Since it is impossible to separate the secondary field from the primary field it becomes necessary to maintain a sufficiently high ratio of these two quantities that the secondary field can be detected. As the instrument passes over a conductor, the angle of dip of the secondary field is

observed to change direction (this action is called a crossover), thereby indicating the position of the conductor.

A.C. electromagnetic prospecting methods often encounter difficulties not experienced with D.C. methods, that is, they are affected by power and telephone lines and other man-made "conductors". These cultural conductors may produce two effects: first, they respond as anomalies; second, they become a strong source of noise which interferes with measurements on the conducting ore body.

Horizontal Loop EM: The Horizontal Loop system of prospecting operates under the principles of Method No. 1, outlined above. The equipment consists of two horizontal coils and their associated electronic equipment, one a transmitter and the other a receiver. Both units are powered by batteries. The two coils are connected to each other through a 200 ft. cable which serves two functions. The cable is used to maintain the distance between the coils at a constant 200 ft., thereby eliminating any variations in primary field intensity due to errors in coil separation. The cable is also used to transmit to the receiver a small signal, representative of the primary field, which cancels the primary electromagnetic field coupling to the receiver. Because of this compensating method, readings of secondary field values can be made at increased sensitivity, allowing prospecting at greater depths.

The equipment operates at an audio frequency of about 900 cycles per second. Measurements are taken by balancing an A.C. potential bridge, using headphones as detector.

Data are taken at 50 ft. intervals along traverses normal to the strike of the conductor. Data are plotted along these profiles in units of relative field strength for the in-phase and out-of-phase components which the instrument resolves.

Vertical Loop EM: In this system a transmitter having a vertical coil is placed directly over the conductor for maximum excitation. The receiver is carried by an operator along parallel traverses normal to the conductor at distances from 400 to 1600 ft. from the transmitter, depending upon the size and depth of the conductor and the ambient noise level. At each station the transmitter loop is rotated so as to place the receiver in the plane of the loop.

Operation of the receiver is essentially that of a direction finder, that is, the operator tilts the receiver coil in a direction parallel to the traverse until a null in the signal is produced. The angle of tilt is read from a clinometer and represents the reading for the station. As the receiving coil crosses a conductor, the dip angle changes from one side to the other (i.e. west to east), and the position of the crossover indicates the position of the conductor on the traverse. The transmitter is then moved to a new location as determined herein, and the process is repeated.

Power for the transmitter is derived from a gasoline engine-driven alternator operating at an audio frequency of 1000 cycles per second. The receiver is powered by batteries. It includes a high gain amplifier and a pair of headphones.

AFMAG: AFMAG is a natural field EM system which has a sensitivity greater than that of the other described systems. A major advantage of higher sensitivity is that it allows for prospecting at greater depths. In contrast, a conventional system employs a transmitter which generates a pure tone, whereas AFMAG uses no transmitter. Sensitivity of the conventional system is limited by a combination of engineering practice and ambient noise. Sensitivity of the AFMAG system is limited only by practical engineering limits, ambient noise being regarded as the signal, or primary field.

Because the nature of a noise field is quite different from that of a pure tone, the instrument uses an electronic coincidence detector in place of headphones. Such a detector provides for increased sensitivity and greatly reduces errors in judgment on the part of the operator.

Successful operation of the AFMAG receiver depends upon the observed fact that the dominant portion of the audio frequency energy in the ambient noise field at the earth's surface will, for any given period of time, originate from a constant direction. This observation is generally attributed to the world-wide distribution of thunderstorm activity, which varies rather slowly with time. The AFMAG instrument is used as a direction finder to measure the azimuth and dip of this field. Over a conductor, anomalous variations in these parameters will be indicative of a secondary field. Profiles of these variations are interpreted to outline the location of the conductor.

Because of the electronic principles involved, the instrument uses two coils mounted at right angles to each other, instead of a single coil. The coil system is rotated by the operator so as to produce a null in one coil. Observation of the null is performed by the coincidence detector which compares the signals in the two coils. The null position is where the comparison changes from negative to positive.

Readings are taken in the field at 50 ft. intervals along parallel traverses. Data consist of azimuths and dips at each station for the two frequencies, 150 and 510 cycles per second.

Power for the AFMAG equipment is derived from batteries.

Radio EM: The fourth method of EM prospecting that has been used for mapping employs a portable radio receiver that has been modified as a direction finder. The radio is battery-powered and uses headphones for a detector.

Field operation is similar to AFMAG in that the direction and dip of the source must be located. It is preferable to use the signal from a radio broadcast transmitting station located approximately at a right angle to the strike of the conductor. Once the azimuth has been determined it is possible to walk the traverse out while taking continuous observations.

Anomalies from the radio-frequency EM method are well defined. It is often possible to locate a crossover within a distance of a few feet. Disseminated conductors produce a condition of elliptical polarization of the secondary field for which it may be difficult or impossible to locate a null plane.

Discussion and Comments on the Geophysical Methods: It might be asked why so many different types of exploration methods have been employed. Each method contributes a different type of information to the fund of knowledge about the conductor. Another reason is that certain limits exist for the areas over which all the methods can be used together. These limits are governed by the facts that EM methods fail in the vicinity of power lines and that D.C. methods cannot be used on water, ice, or frozen ground.

It is desirable to map a conductor through such barriers with as much continuity as possible. The confidence inferred from such a continuity can be very rewarding. A notable example of this is the Crawford Pond (east side) conductor. Here 5400 ft. of the conductor were mapped by vertical coil EM between the lower end of the Harriman grid and Spruce Island. Both of these areas were known to be mineralized from previous drilling. When the continuity had been established, four holes were successfully drilled into the conductor. Three of these holes intersected significant sulphides at depths in excess of 250 ft.

Measurements on Test Samples: Since all of the field methods employed in geophysical exploration of the Knox County nickel deposits are dependent upon the specific properties of the sulfides, it is desirable to know the range of the variations in these properties. The distribution of ore may thus be more precisely determined. Variations in the field anomalies will be affected by these specific properties, and by the geometry of the deposits as seen from the surface. If the effects of variations in electrical conductivity and magnetic susceptibility can be isolated, then inferences on the geometry of the deposits will be more precise.

For these reasons, considerable effort has been made to obtain measurements of the properties of the deposits in the laboratory. These attempts have not been uniformly successful, and work in this field is continuing. It has been found that measurement of the properties of ore in place is more significant than those of small core samples. The U.S. Geological Survey has cooperated by making similar measurements in bore holes.

Comments on the Individual Methods

Magnetometer: One of the properties of the sulphide mineral deposit is that it is moderately ferromagnetic. Mapping by magnetometer is therefore a valuable method both for detail and for reconnaissance. The magnetometer can be operated over land and water. It is not affected by power lines, weather, or other electrical disturbances.

Self-Potential: The generation of self-potential, as derived from earth currents, is another characteristic of sulphide deposits. Self-potential surveys can be correlated closely with other type surveys to provide information about the width of conductors. This method is not affected by power lines. Operation is confined to land areas. The depth to which such a survey is effective is comparable with magnetic surveys.

Applied Potential: The size of the conductor in the ground is so large that it is difficult to energize it over great distances by direct electrical conduction. Thus the method is not as useful as other types of surveys. The requirement for

placing an electrode in a drill hole places severe limitations on the distribution of data. Data can only be obtained on land in the vicinity of drill holes which have intersected the conductor. This method will find its maximum usefulness in special applications.

PDR (Potential Drop Ratio): Of all the geophysical methods, PDR presents probably the most unbiased picture of a conductor. Good correlation between PDR and other methods has been uniform and consistent. PDR is useful for measuring the width of conductors. In this application it correlates best with horizontal coil EM.

PDR is free from the effects of power lines. Like the other D.C. methods it cannot be operated on water, ice, or frozen ground.

Resistivity: Resistivity, as noted above, is used mainly for depth determination by vertical profiling. In the realm of special applications the method would be a valuable tool for selective horizontal profiling. The difference between resistivity and PDR is one of electrode spacing.

Horizontal Coil EM: This and other EM methods may be operated on land, water, ice and snow. Data from the equipment provide information regarding the location, width, attitude, depth and conductivity of a conductor.

Limitations in the use of this equipment are due to noise from power line interference, and the inability to map conductors at depths greater than 150 ft.

Vertical Coil EM: The strength of the vertical coil EM transmitter allows for considerable variation in receiver separation, thereby providing control over the depth of penetration. Conductors which have been lost, using a 400 ft. separation, are easily traced using separations of 600 or 800 ft.

This instrument is extremely versatile. It is useful for detail and for reconnaissance work. It can be operated in summer and winter and over land and water. Power line noise is the principal limiting factor.

AFMAG: AFMAG is more difficult to operate than the other types of EM systems. Four readings are required at a station instead of one or two. This procedure can be time-consuming to the point where other EM methods may be preferred.

In many locations the dominant component of the ambient noise field originates in power stations and transmission lines, instead of distant electrical storm activities. The instrument is designed to operate in between harmonics of 60 cycles, but when the field is strong enough, nothing can be done about the noise frequencies that occur in the intervals between harmonics. As long as one is prospecting far enough away from the energy source this is not a problem. The difficulty is that the noise energy from this type of source arrives in a direction nearly vertical to the surface of the ground. Azimuth determination becomes difficult under this condition, and dips are always nearly 90°.

Natural noise energy, on the other hand, arrives in a horizontal direction. Variations in azimuth and dip are easily read under these conditions.

It may be concluded from this discussion that AFMAG is best applied to work in areas that are remote from inhabited locations.

Radio EM: This is the only ground geophysical instrument used that can be operated continuously while traversing the grid. Readings from this system are qualitative instead of quantitative. The character of the response, i.e. broad null, no null, crossover, west dip or east dip, is recorded by the operator over the interval for which it is observed. A completed map of such indications provides a picture which may be correlated with other geophysical data.

7.0 The Core Drilling Program: The core drilling program consists of two parts. Part A comprised a preliminary phase of shallow vertical holes drilled by pack-sack drill, and a later phase of shallow vertical holes by conventional core drill. The early phase was undertaken to establish the assumption that the electrical conductor shown in the EM surveys has its origin in the nickel-bearing sulfides. This phase consisted of about 680 feet of pack-sack drilling.

Part B of the drilling program comprised about 20,000 feet of deep hole drilling in three phases. The immediate purpose of this program was to establish the presence of ore in economic grade and tonnage.

A collateral objective in the drilling has been to collect as much information as possible on the factors responsible for the occurrence of ore in this type of deposit. These are recognized as structural control, the character of the basic igneous intrusive rocks, alteration of the peridotite mineralogical assemblage by metamorphism and metasomatism, the possibility of remobilization of economic minerals, and other geologic factors to be discovered. To this end, many detailed investigations have been made through examination of cores and outcrops. Hand lens studies, polished and thin sections have been made on large numbers of samples.

CRAWFORD POND NICKEL DEPOSIT

GROUND MAGNETOMETER SURVEY

0 1000 FT

CONTOUR INTERVAL = 400 GAMMAS

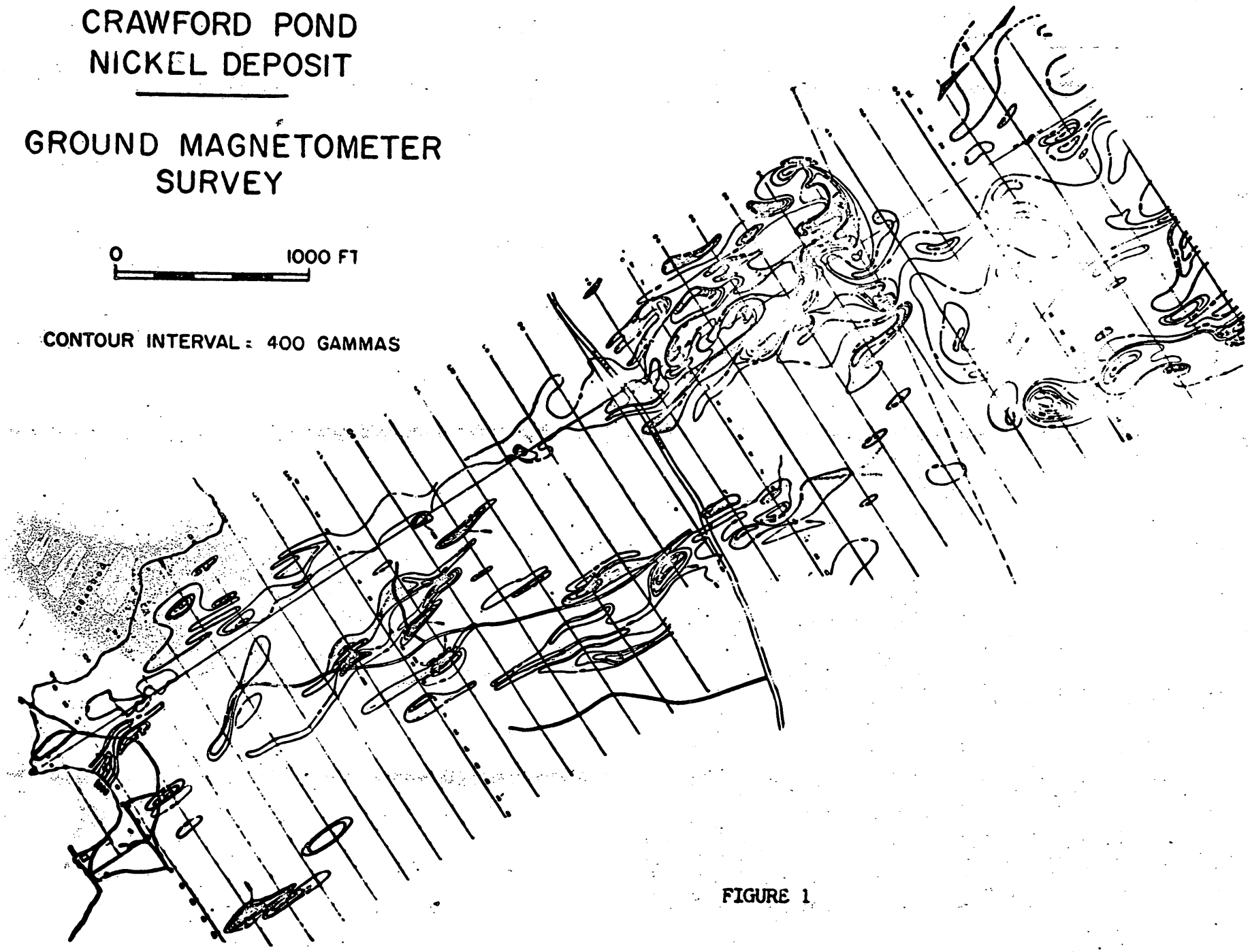


FIGURE 1

CRAWFORD POND NICKEL DEPOSIT

SELF POTENTIAL SURVEY

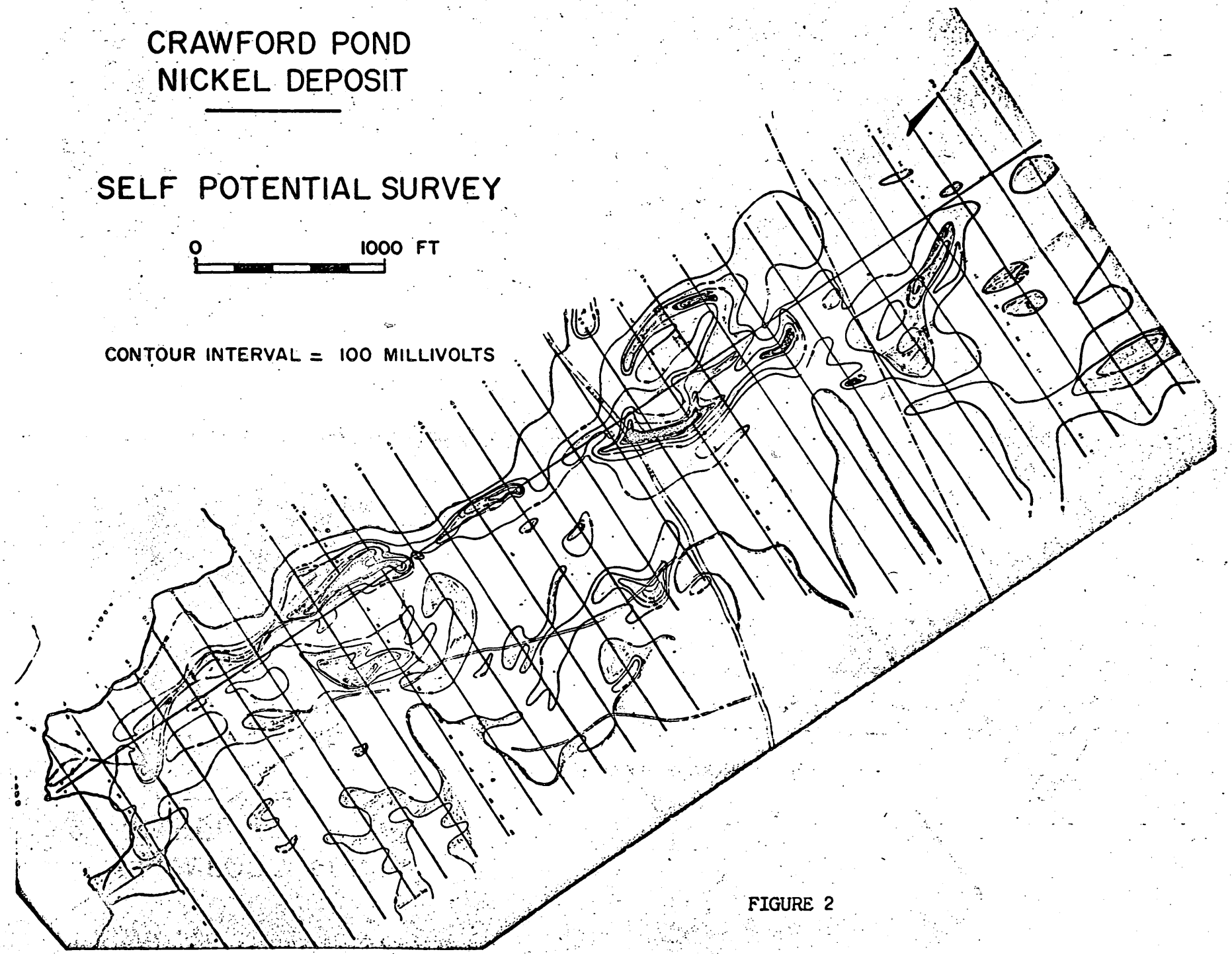


FIGURE 2

CRAWFORD POND NICKEL DEPOSIT

PDR SURVEY

0 1000 FT

CONTOUR INTERVAL = 10 MILLIVOLTS

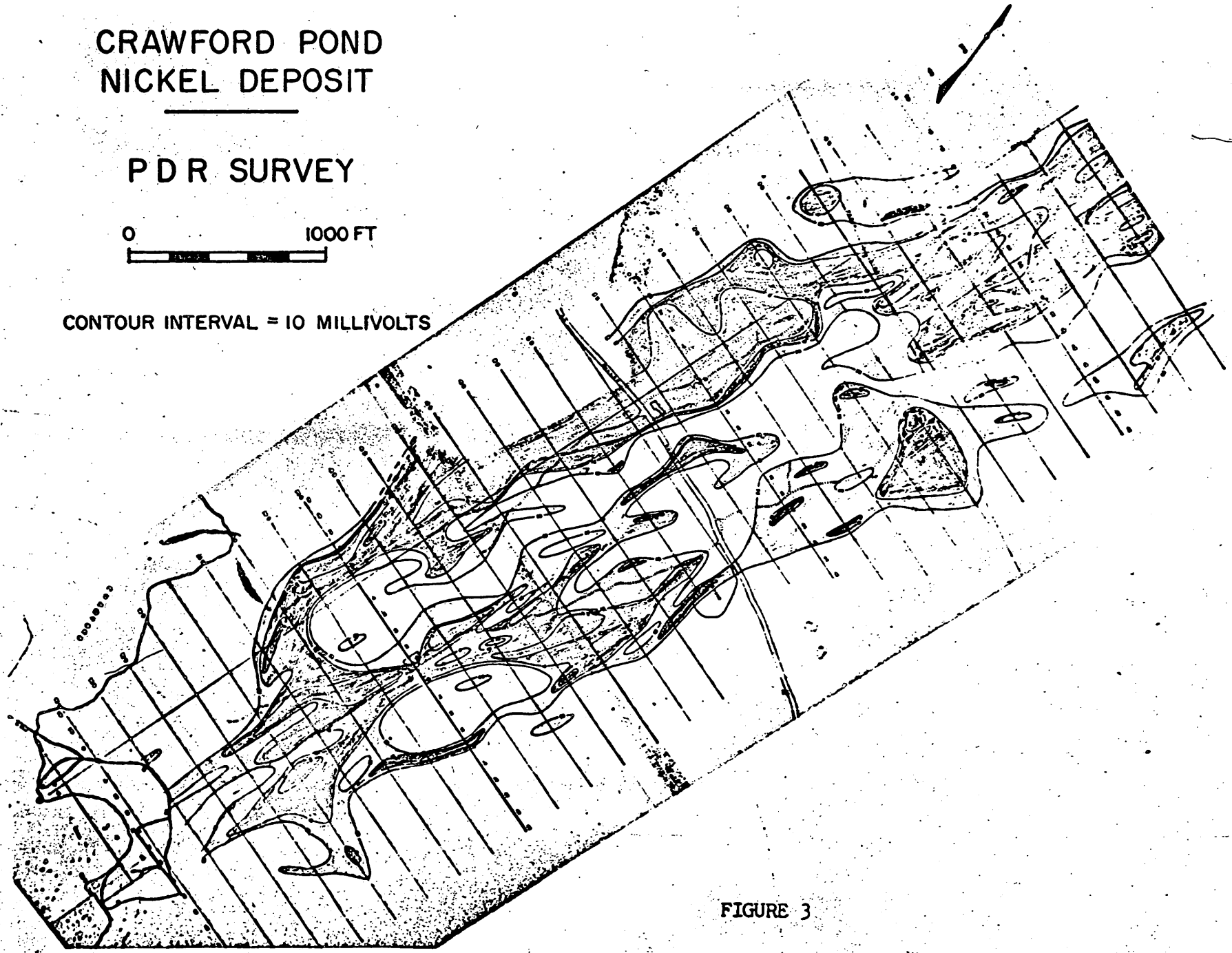


FIGURE 3

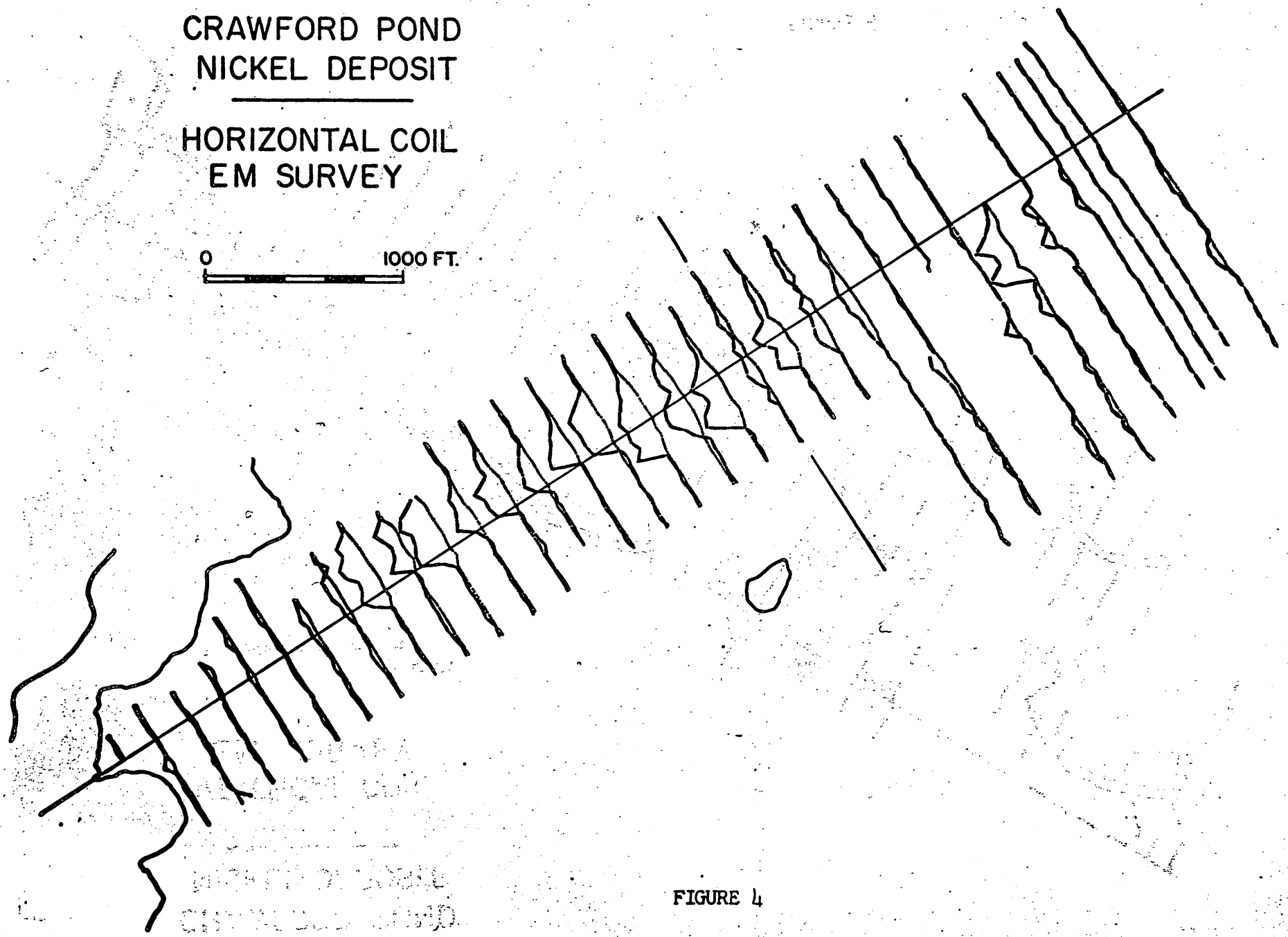

CRAWFORD POND
NICKEL DEPOSIT
HORIZONTAL COIL
EM SURVEY
0
1000 FT.

FIGURE 4

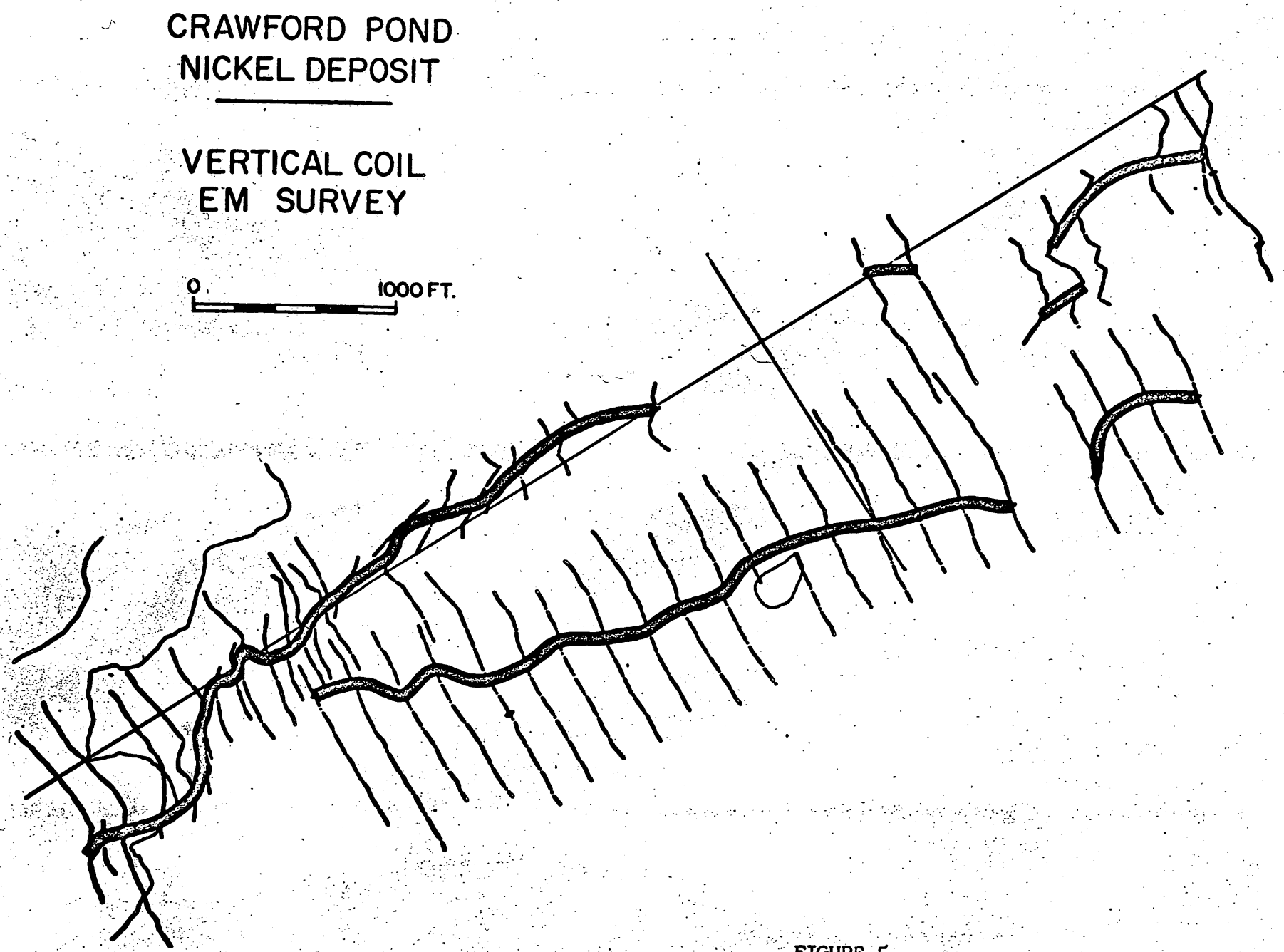
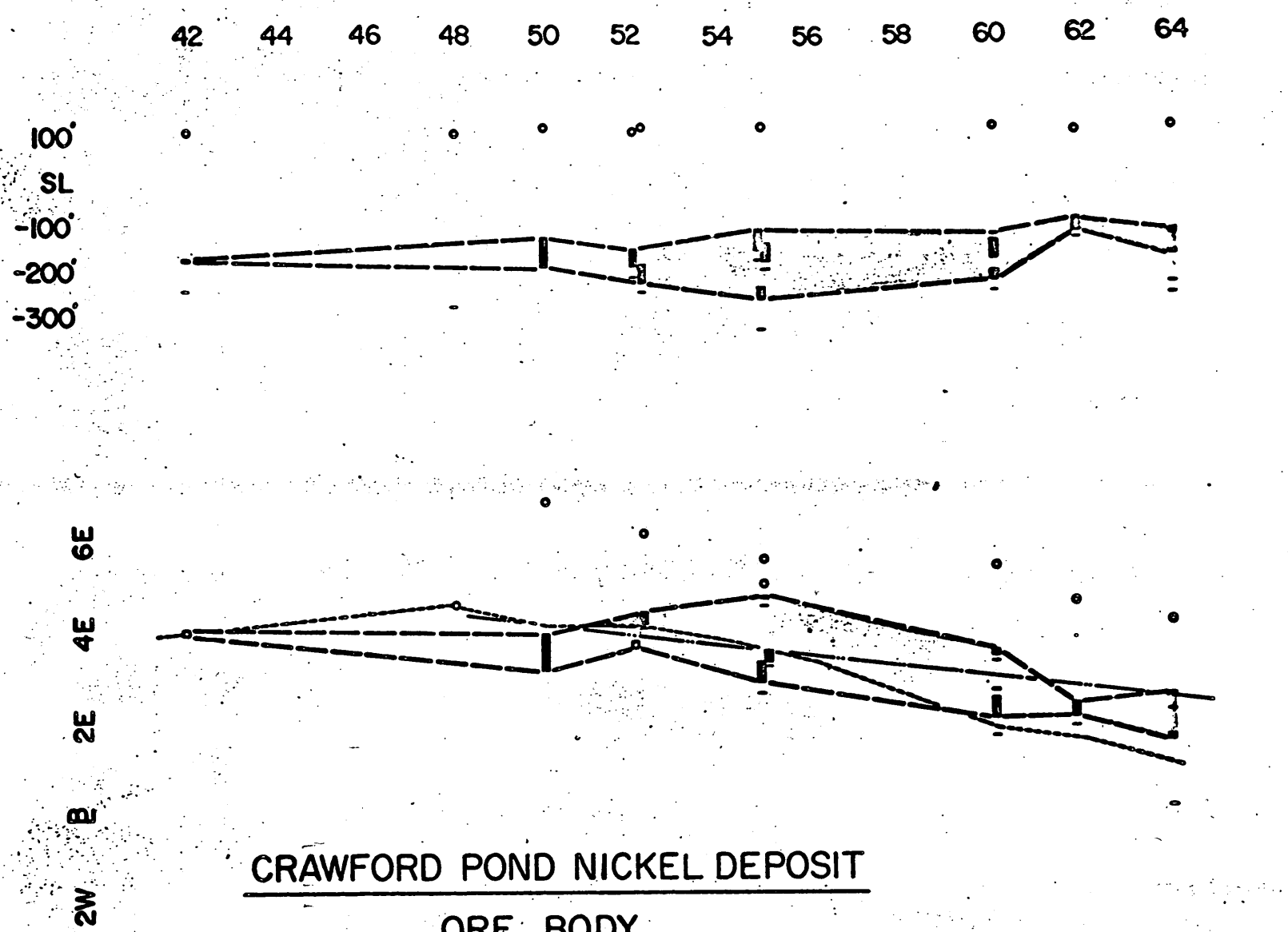

CRAWFORD POND
NICKEL DEPOSIT
VERTICAL COIL
EM SURVEY
0
1000 FT.

FIGURE 5



CRAWFORD POND NICKEL DEPOSIT

ORE BODY
PLAN AND SECTION

FIGURE 6

ROLAND F. BEERS, INC.
POST OFFICE BOX 23
ALEXANDRIA, VIRGINIA

TELEPHONE
KIng 9-2910

OFFICIAL FILE COPY
O. M. E
RECEIVED FEB 19 1962
OFFICE
2520 OAKVILLE STREET

DATE	INITIALS	
2/20	Hoet	120 500

February 16, 1962

Mr. George C. Selfridge, Chief
Division of Field Operations
Office of Minerals Exploration
Department of the Interior
Washington 25, D. C.

Reference: OME Docket No. 6104 (Nickel)

Dear Mr. Selfridge:

We have discovered a stenographic error in our letter to you on February 1, 1962. The error pertains to the location of proposed hole #2, lower Harriman grid.

As stated in the letter the location is given as 18.5S + 0.75E. This should read 17.5S + 0.75E.

Sincerely,

ROLAND F. BEERS

Clifford F. Casey

Clifford F. Casey

CFC:me

Thermofax copy of this letter to
Region IV 2/20/62 w/o covering letter.

gla

OFFICIAL FILE COPY

Date	Surname	Code
2/19	[illegible]	120
"	Hoff	500
2/19	Selfridge	800
"	Johnson	110
2-[illegible]	Smith	100
2/19	Cal	220
		500

FEB 19 1962

Memorandum

To: Chief, Fiscal Section
Division of Administrative Services
Office of the Secretary

From: Chief, Division of Field Operations, OME

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Enclosed for Stage I are the original and two copies of MME Form 60 and MME Form 61 showing the adjustment made of $140.00 for assays erronously charged in December to this stage rather than Stage II. Also enclosed for Stage II are the original (with supporting documents) and two copies of MME Form 60 and the original and two copies of MME Form 61 covering work performed during January 1962. The forms show an assay charge of $188.00, $140.00 of which was approved under the Stage II December 1961 voucher.

The AX core which the operator lists meets the specifications for the BX core stipulated in the contract.

It is considered that the work performed complies with the intent of the contract and is acceptable to the Government.

The work performed during the month was on both actual cost and fixed unit cost bases.

Subject to verification of arithmetical accuracy of the report, it is recommended that the operator be reimbursed $1,225.33 for Stage II, which is 50 percent of the monthly total shown on MME Form 60 after adjustment for the $140.00 of assays previously approved in December.

George C. Selfridge

Enclosures 4

GCSelfridge/hb (2/19/62)
cc: Docket OME-6104 CA&A Division
Director's Reading File Code 500
Region IV w/cys of attachments

G.C.Selfridge

43683

Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
2/15	Holt	500
	On leave	500
2/15	Tacket	800
2/16	Selvidge	130
"	Johnson	110
2/16	Fumich	100
2/16	Cal	220
		500

FEB 16 1962

Dr. Roland F. Beers
Roland F. Beers, Inc.
P. O. Box 23
Alexandria, Virginia

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Dr. Beers:

Enclosed are the original and four copies of proposed Amendment No. 5 to the subject contract, signed by the Director for the Government.

If this proposed amendment meets with your approval, please sign all copies, retain the one marked for the Operator, and return the remaining copies to this office. If it does not meet with your approval, please return all copies to this office with your comments.

Sincerely yours,

George Fumich, Jr.

Director

Enclosures

SPHolt/gla
2-15-62
cc to: Director's Reading File
Review Committee
Docket
Region IV

43683

OFFICIAL FILE COPY

Date	Surname	Code
	Selfridge	520
2/7	Holt	500
2/7	Talbert	800
2/7	Coe	220

FEB 7 - 1962

Dr. Roland F. Beers
Roland F. Beers, Inc.
P. O. Box 23
Alexandria, Virginia

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al.,
Prospects
Knox County, Maine
Contract 2123

Dear Dr. Beers:

This letter is to confirm the oral permission given February 6 to drill the first of a series of possible holes under Stage II of the contract in the vicinity of and between Traverses 18.5 and 24.0 S. on the Harriman tract in accordance with conversations of January 29 and February 6 and the formal request of February 1, 1962.

An amendment is being prepared to cover this additional work.

Incidentally, the assays charged to Stage I in the December voucher should have been charged to Stage II as they represent the values of core samples taken from a hole drilled under the latter stage.

Sincerely yours,

/s/ George C. Selfridge (SHG)

Chief, Division of Field Operations

GCSelfridge/hb (2/7/62)
cc to: Docket OME-6104
Director's Reading File
CA&A Division
Code 500
G.C.Selfridge
R.A.Laurence, Region IV

43683

DRAFT
SPHolt/gla
2/7/62

Copy of the Docket

EXPLORATION CONTRACT
ROLAND F. BEERS, INC.
OME-6104

AMENDMENT NO. 5

It is agreed this _____ day of _____, 1962, between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter called the "Government," and Roland F. Beers, Inc., hereinafter called the "Operator," that Contract No. 2123 (OME-6104), dated February 16, 1961, as amended, is further amended, effective January 29, 1962, as follows:

1. In Exhibit A, Description of the Work, Stage II, as amended by Amendment No. 4, under Item 1, after the words "mineralized zones," add a sentence to read:

> "Remaining footage and attendant costs may be used to further drill as approved by the Government the southern extension of the Harriman Tract mineralized zone between Traverses 18.5 and 24.0 South."

This amendment shall not be constructed to increase the amount of any item designated as maximum, the fixed unit cost of any item of work, the estimated total cost of the contract, or the aggregate total amount which the Government may be required to contribute.

Executed in quintuplicate the day and year first above written.

ROLAND F. BEERS, INC.

By_____

Title_____

THE UNITED STATES OF AMERICA

By_____
Director, Office of Minerals Exploration

ROLAND F. BEERS, INC.
POST OFFICE BOX 23
ALEXANDRIA, VIRGINIA

TELEPHONE
KIng 9-2910

OFFICE
2520 OAKVILLE STREET

February 1, 1962

OFFICE FILE COPY
O. M. E
RECEIVED FEB 6 1962

DATE		
		120
2/6	S.P.H.	500

Mr. George C. Selfridge
Chief, Division of Field Operations
Office of Minerals Exploration
Department of the Interior
Washington 25, D. C.

Re: OME Docket No. 6104 (Nickel)

Dear Mr. Selfridge:

This letter is intended to serve as a formal request for permission to amend Contract OME 2123, docket reference given above. Our request arises from a recent study of the drill logs and geophysics of the area bounded by traverses 14S and 24S, and by lines 2W and 3E. This area shows the presence of geophysical anomalies of sufficient magnitude to indicate the presence of a substantial conductor. In spite of the fact that four holes were drilled near this vicinity, the prospective ore body was not found. Moreover, the well-established trend of the conductor traced down from the north is now lost. The conductor which has been drilled south of this critical area has not, in our opinion, been correlated with that to the north. All these circumstances indicate the need for further exploration in an attempt to resolve the uncertainties still remaining.

The area of interest shows positive anomalies on all geophysical methods: magnetometer, self-potential, PDR, vertical coil EM and horizontal coil EM. Presence of a sulfide conductor was established by the drilling of CP-5, at 14.3S, and of H 15.8S, both of which intersected basic rock with sulfides in substantial amounts. Core hole CP-8, drilled from 17S down to the east at 45°, probably went under the conductor by a few feet. CP-13, down to the west from 17S at 45°, is thought to have gone over the conductor by a few tens of feet. H 18.5S, down to the west at 45°, probably went under the conductor by a few tens of feet. CP-15, down to the west at 45° from 20S, is believed to have gone over the ore body by 50 feet or more.

The untested geophysical anomaly defined above may be a sulfide deposit lying at relatively shallow depth. Alternatively, it may be the graphite-laden west boundary of a sulfide deposit which lies to the east at greater depth. If the second hypothesis is correct, the conductor is indicated by the horizontal coil EM as a weak anomaly east of the base line,

Thermofax copy this letter and attachments
to Region IV 2/20/62 w/o covering letter

trending southeast and probably dipping rather steeply to the east. Either hypothesis justifies further exploration, for if a sulfide deposit is the source of the anomalies, there may be as much as a half million tons of ore remaining to be discovered.

In order to test the situation, it is proposed that authorization be granted to the Operator to drill five holes. It is requested that aprroval be given to drill the first hole, and, contingent upon these results, to proceed with the remaining holes as requested at that time.

The proposed locations are as follows:

(1) 18.5S + 1.0W, Vertical hole, 300 feet
(2) 18.5S + 0.75E, Vertical hole, 400 feet
(3) 20.0S + 1.25W, Vertical hole, 300 feet
(4) 20.0S + 2.0E, Vertical hole, 400 feet
(5) 24.0S + 2.5E, Vertical hole, 400 feet

If hole 1 encounters no sulfide, only graphite, then hole 2 should be drilled to explore for the east-trending conductor at greater depth. If sulfide is found in hole 1, then hole 3 could extend its length to the south by 150 feet. If sulfide is found in hole 2, an extension to the south through drilling holes 4 and 5 would connect the main conductors to the north and south. No decision on holes 3, 4 and 5 is required until holes 1 and/or 2 are completed.

Estimates of cost are attached for your use.

Your kind consideration of this request is greatly appreciated.

Sincerely yours,

ROLAND F. BEERS, INC.

Roland F. Beers

Roland F. Beers

RFB:ph
encl.

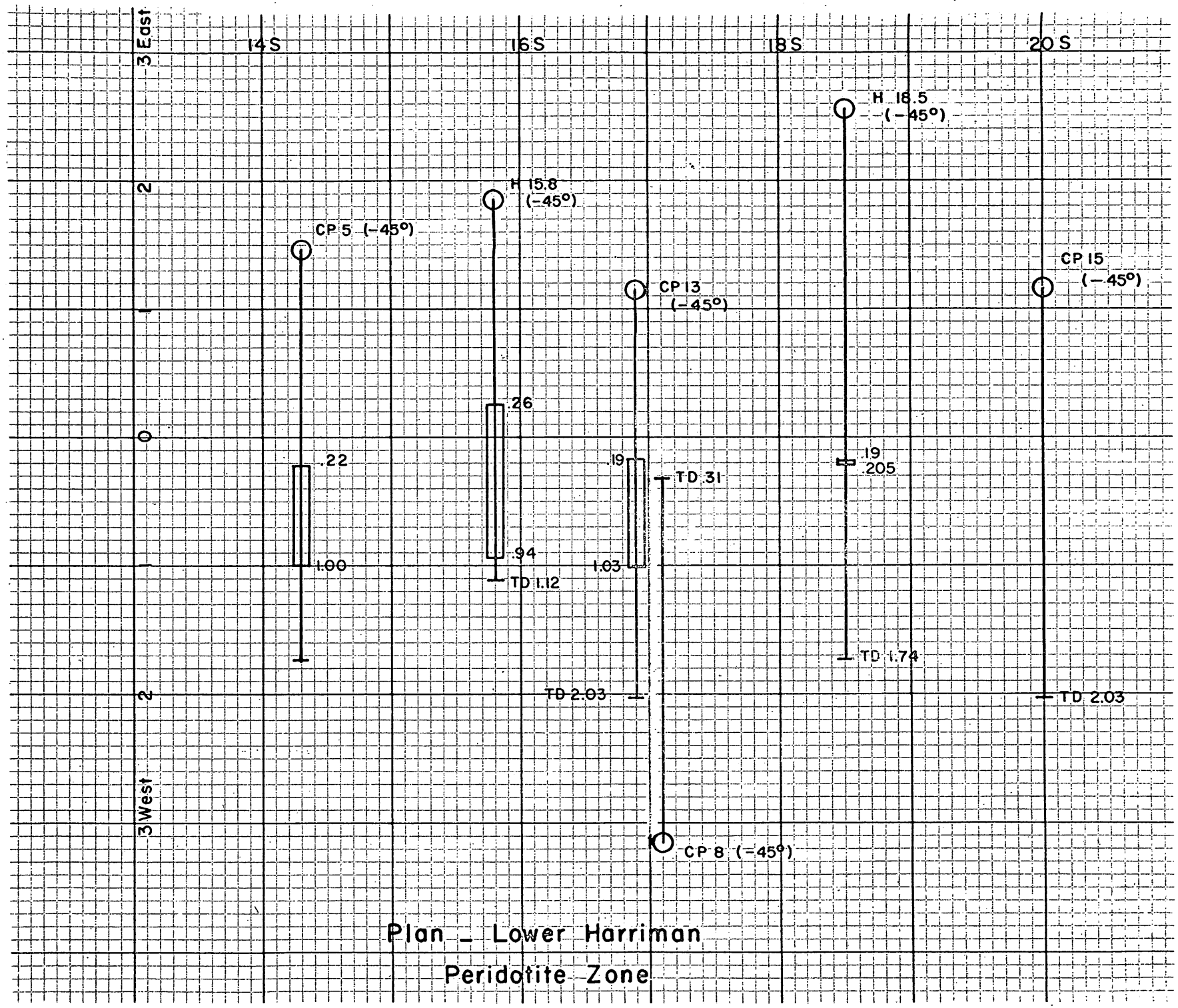
ROLAND F. BEERS, INC.
Alexandria, Virginia

OME-6104 (Nickel) Crawford Pond, et al, Prospects
Knox County, Maine, Contract 2123

Estimate of Costs for Drilling 3 Holes (950 feet estimated)
as Proposed in Letter of January 30, 1962

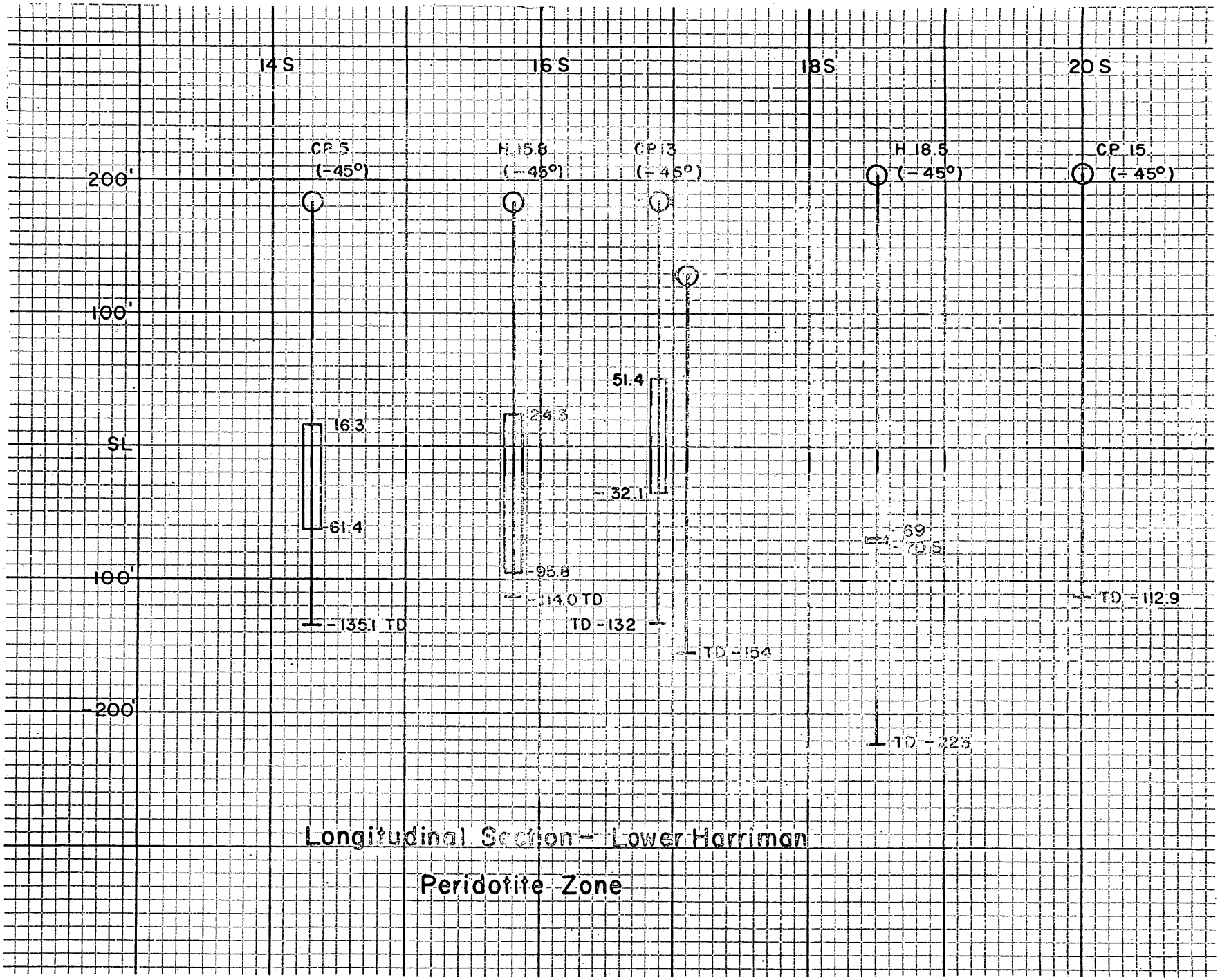
Category (1) Independent Contracts				
Overburden drilling from land locations 0 to 25 ft depths, 75 ft @ $4.95/ft			$ 371.25	
Drilling ledge to 200 ft depths, 875 ft @ $4.45/ft			3,893.75	$4,265.00
Category (7) Miscellaneous				
Core boxes 24 @ $2.75			66.00	
Assays for:				
Nickel -	40 @ $4.00	$160.00		
Cobalt -	40 @ $5.00	200.00		
Copper, iron and sulphur - 25 @ $1.00 for each determination -		25.00	385.00	451.00
Fixed Unit Costs				
Incidental allowance in lieu of all costs whatsoever except those listed above under Categories (1) and (7), $0.56/ft for 950 ft of drilling				532.00
Total				$5,248.00

Unit costs are those contained in Stage I for contract 2123.



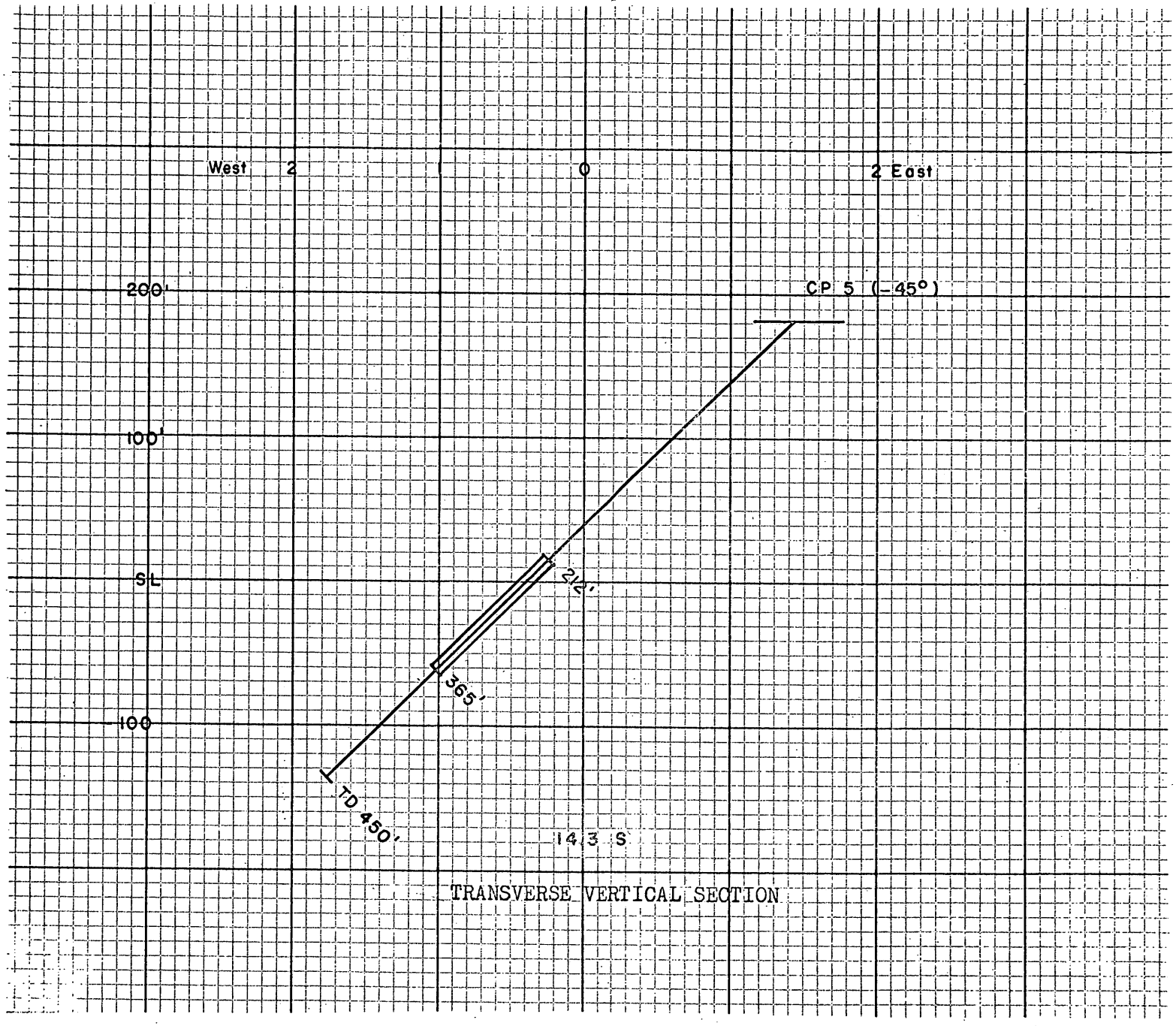
Plan _ Lower Harriman

Peridotite Zone

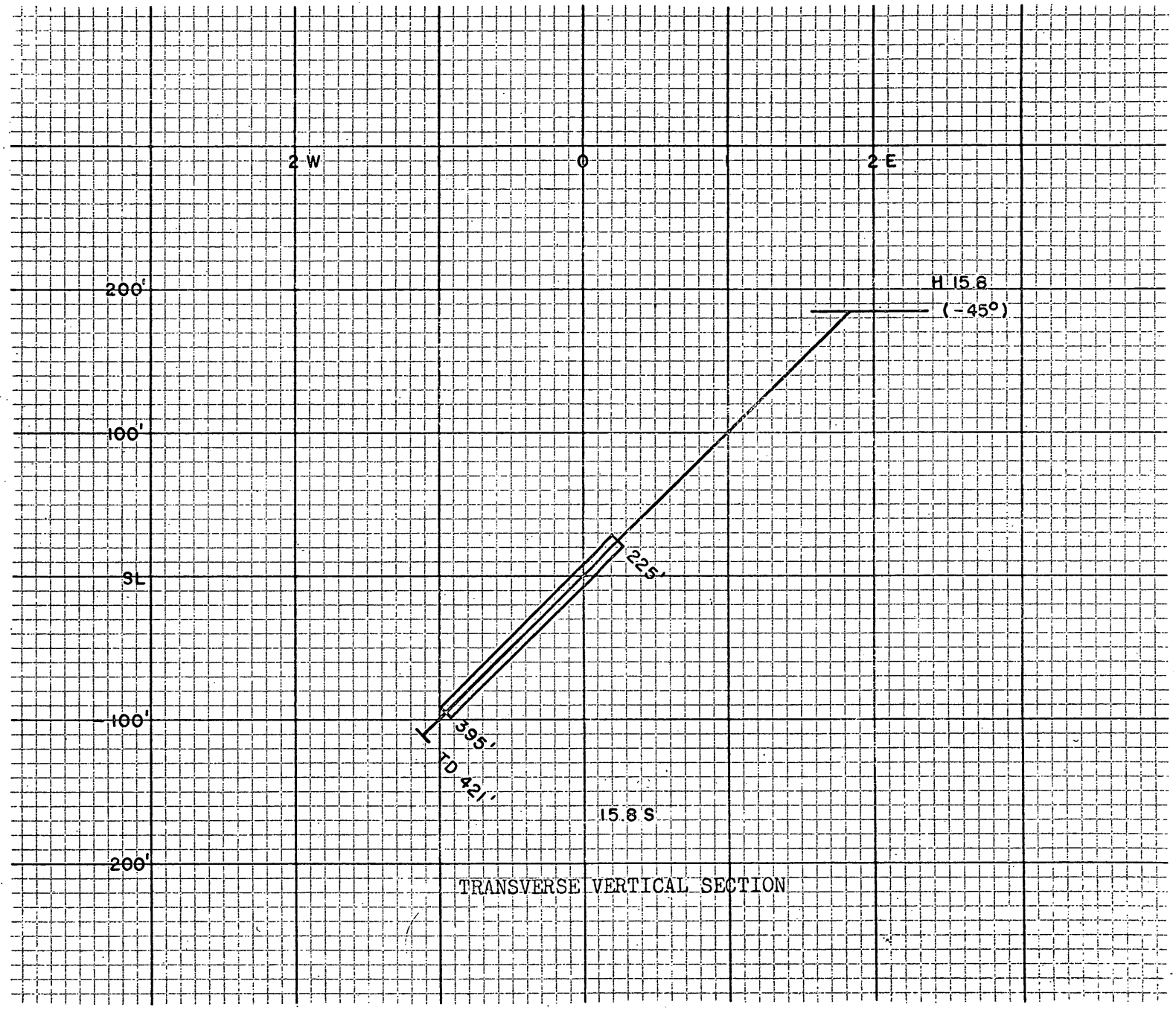


Longitudinal Section – Lower Harriman

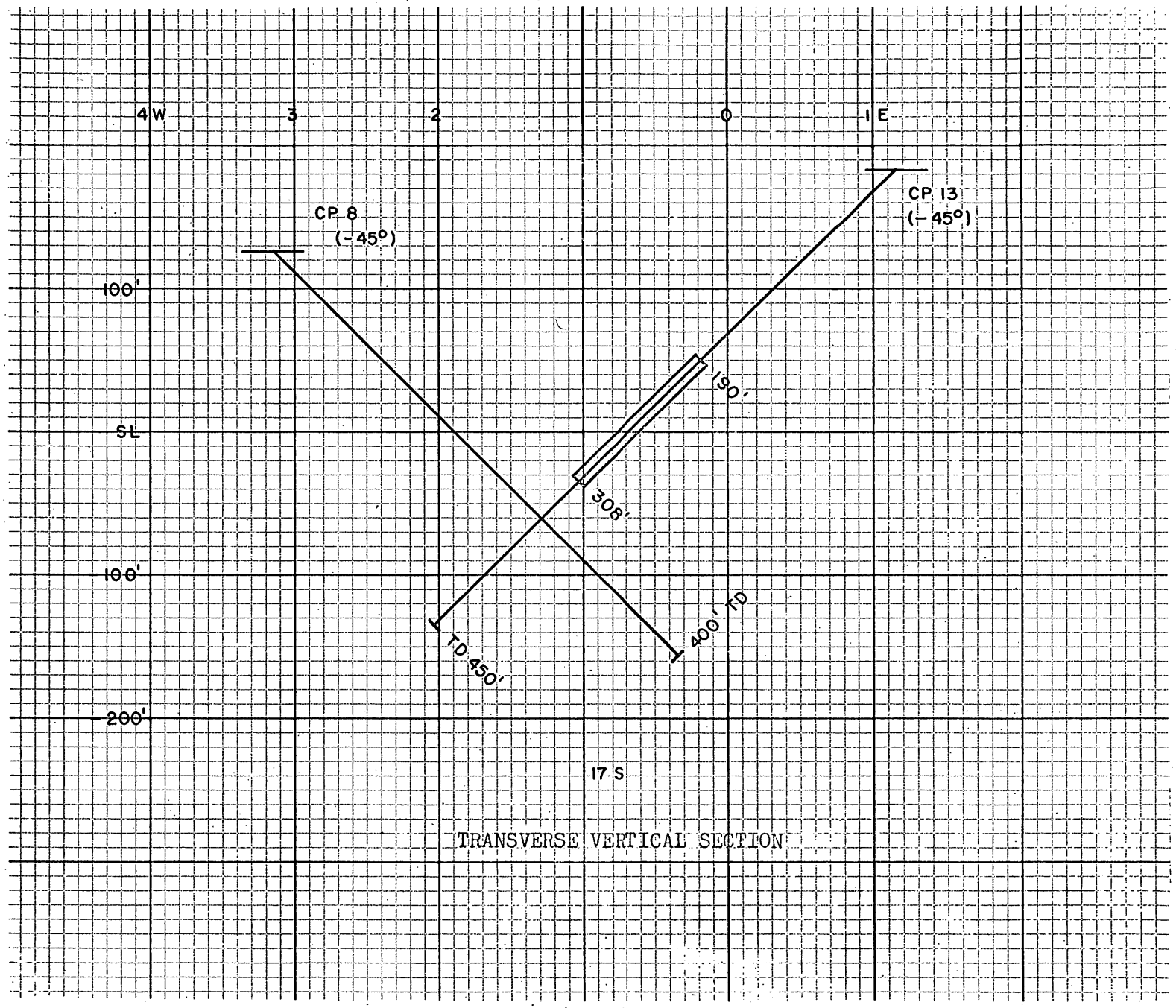
Peridotite Zone



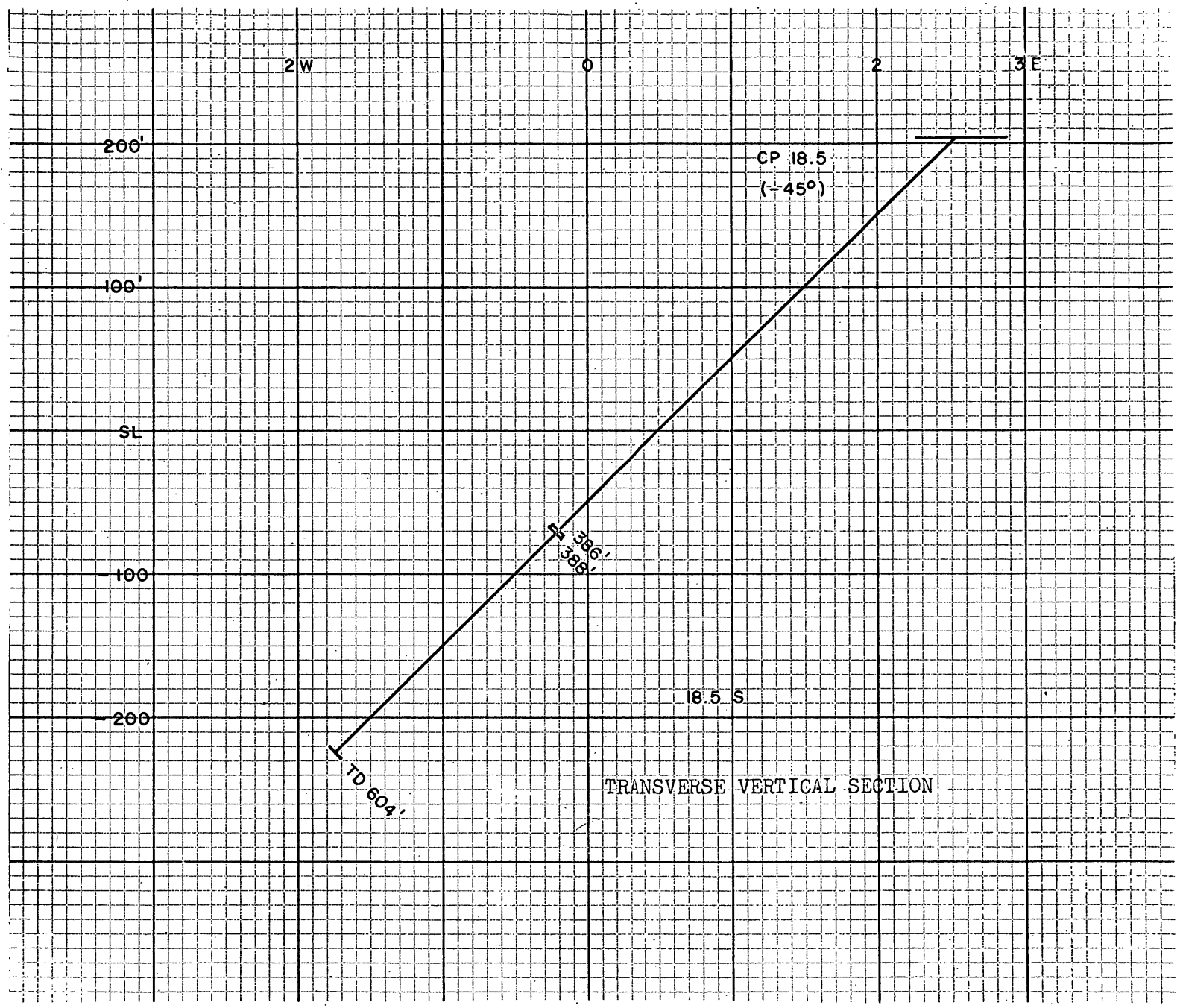
TRANSVERSE VERTICAL SECTION



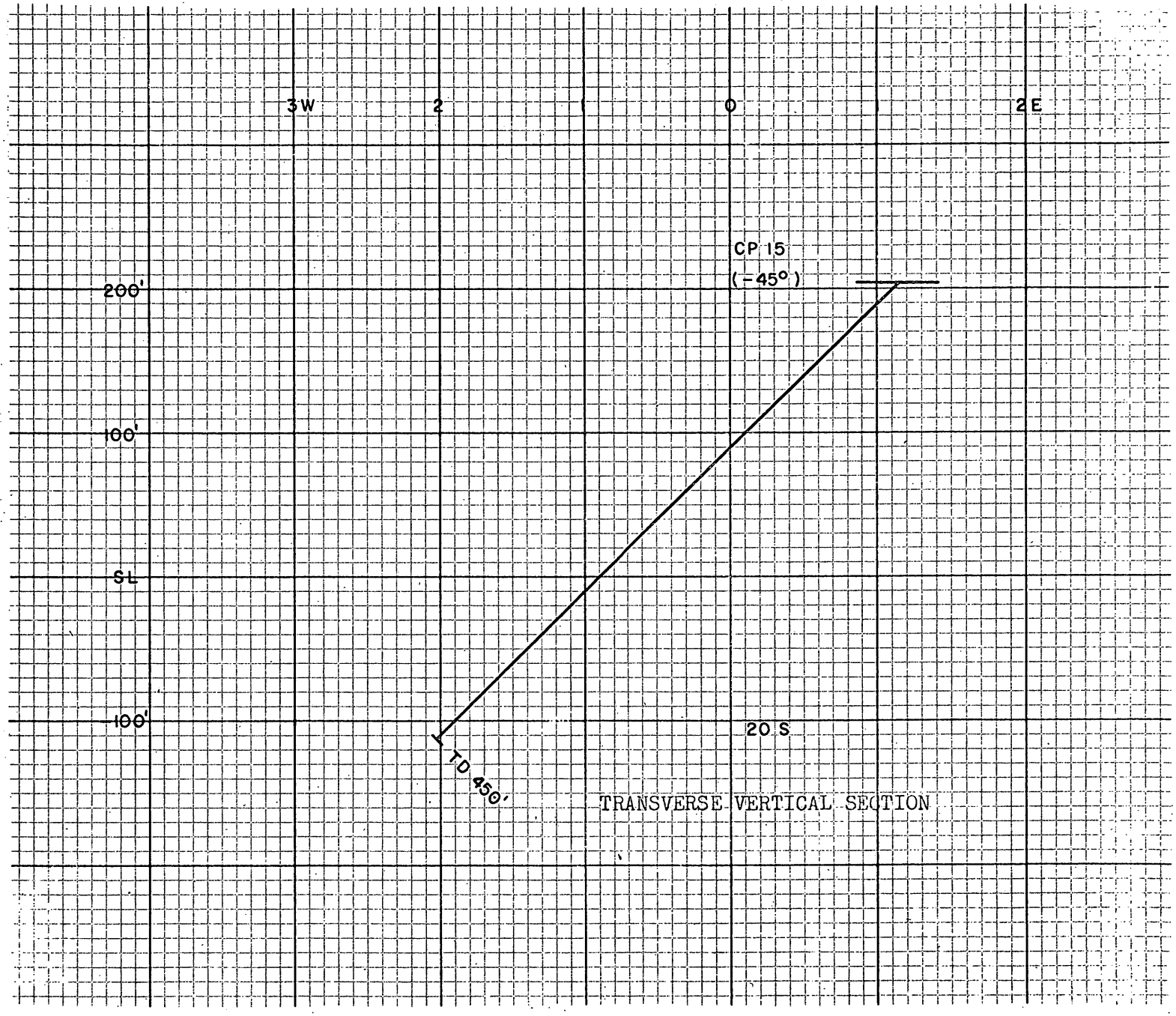
TRANSVERSE VERTICAL SECTION



TRANSVERSE VERTICAL SECTION



TRANSVERSE VERTICAL SECTION



TRANSVERSE VERTICAL SECTION

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
2/5	[illegible]	
2/5	Hoff	500
2/5	[illegible]	110
2/5	[illegible]	100
2/5	[illegible]	220

500

FEB 5 - 1962

Memorandum

To: Files

From: George C. Selfridge, Chief
Division of Field Operations

Subject: OME-6104
Roland F. Beers, Inc.
Crawford Pond, et al, Prospects
Knox County, Maine
Contract 2123

Mr. Beers called the writer on January 29, 1962, to inform him that the second hole at Alford Lake did not find any ore. The anomaly is believed due to the presence of graphite. However, some of the crew believe that a third hole should be drilled. The company doesn't wish to do any more drilling at Alford Lake but propose to drill two or three more holes on the Harriman between traverses 16 and 20 South. It is believed that another quarter million tons of ore might be indicated by such drilling.

The writer suggested to Mr. Beers that a formal request be made for an amendment to the contract to do such work.

George C. Selfridge

GCSelfridge:hlb 2/5/62
cc: Director's Reading File

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
2/2	Selfridge	420
2/2	Tadlock	800
2/2	Hecht	500
"	Johnson	110
2/2	Fossel	100
2/2	Case	220
		500

FEB 2 - 1962

Memorandum

To: Chief, Fiscal Section
Division of Administrative Services
Office of the Secretary

From: Chief, Division of Field Operations, OME

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Attached for each of Stages I and II are the original (with supporting documents) and two copies of MME Form 60, and the original and two copies of MME Form 61 covering work performed during December 1961. Through error the operator charged Stage I with $140.00 worth of Nickel-Cobalt assays which should have been charged to Stage II, as shown by MME Form 61, as approved.

The AX core which the operator lists meets the specifications for the BX core stipulated in the contract.

It is considered that the work performed complies with the intent of the contract and is acceptable to the Government.

The work performed during the month was on both actual cost and fixed unit cost bases.

Subject to verification of arithmetical accuracy of the report, it is recommended that the operator be reimbursed for $1,226.60 for Stage II, which is 50 percent of the monthly total which will be shown on MME Form 60 after correction.

Enclosures

George C. Selfridge

GCSelfridge:hlb 2/2/62
cc: Docket OME-6104
Director's Reading File
Region IV w/cys of attachments
CA & A Division
Code 500
G. C. Selfridge

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
1/8	GCS	120
	Jenny	500
1/9	Talbot	800
"	Johnson	110
"	Tennyson	100
1/10	Cee	225
		500

JAN 10 1962

Mr. Donald E. Wyke
District Manager
Roland F. Beers, Inc.
Rockport, Maine

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al.,
Prospects
Knox County, Maine
Contract 2123

Dear Mr. Wyke:

The information that you gave in your recent letter will not require the amending of Amendment No. 3.

We have not received the three copies of the small map showing the land covered by Lease No. 9.0-1-128, Sidney M. and Katherine H. Bird, requested in my letter of June 26, 1961.

Sincerely yours,

/s/ George C. Selfridge

Chief, Division of Field Operations (HB)

GCSelfridge/hb
1/8/62
cc: Docket OME-6104
Director's Reading File
R.A.Laurence, Region IV
G.C.Selfridge
Code 500
Roland F. Beers, Inc., P.O. Box 23,
Alexandria, Virginia

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
12/28	GCS	1200
12/29	[illegible]	800
1-8	[illegible]	110
1-2	[illegible]	100
		220
		500

December 28, 1961

Memorandum

To: Files

From: Chief, Division of Field Operations

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Mr. Wyke, the Operator's engineer, telephoned the afternoon of December 27 to inform the writer of the results of the first hole drilled at Alford Lake. Various types of schists and some marble and dolomite were intersected. Only 8' of good-looking basic rock was traversed, which carried no sulphides. The entire core was examined for graphite and magnetite neither of which occurred in the amounts indicated by the anomaly present at the drill site. As the Operator cannot be sure of the direction of the dip of the beds, a hole was requested which would be drilled primarily to determine the stratigraphy and structure. Without this information it would be useless to do further drilling out on the Lake. The writer gave permission to Mr. Wyke to drill the hole. Mr. Wyke informed the writer that ice had formed early this year and that it was already thick enough to serve as a drilling platform.

George C. Selfridge

GCSelfridge/hb (12/28/61)
cc to: Docket OME-6104
Director's Reading File
R.A.Laurence, Region IV
G.C.Selfridge

43683

ROLAND F. BEERS, INC.

OFFICE AND LABORATORY:
447 PINEWOODS AVENUE
PHONE ASHLEY 2-2351

MAIL ADDRESS:
POST OFFICE BOX 1019
TROY, NEW YORK

New Address: P. O. Box 23
Alexandria, Va.

OFFICIAL FILE COPY
O. M. E
RECEIVED DEC 22 1961

DATE	INITIALS	CODE
12/26	Brawner	500
12/27	Holt 3.1.4	500
		~~120~~
		500

Mr. George Selfridge
Chief, Division of Field Operations
New Interior Building
Room 4459
Washington 25, D. C.

Dear Mr. Selfridge:

The purpose of this letter is to clarify the location of Drill Holes E-55-1, E-55-2, and E-55-3 on Traverse 55 South on Crawford Pond. The correct locations are as shown on the cross-section sheet and are as follows:

Drill Hole	Location	Angle	Bearing
E-55-1	54.9 South + 5.30 East	- 60°	N. 72° W.
E-55-2	54.9 South + 5.60 East OK	- 45°	N. 72° W.
E-55-3	54.9 South + 5.60 East	- 77°	N. 72° W.

Apparently I made an error in copying from my notes with respect to the first drill hole on Traverse 55 South. This drill hole, E-55-1, should have been 54.9 South + 5.30 East instead of 5.1 East. The shore was recorded on the Ice Grid data sheets as 5.40 East on Traverse 55 South. Drill Holes E-55-2 and E-55-3 were located on shore in order to have a level platform for the drill rig. The drop in the water level of the lake made it impossible to set the rig on the barge for the second and third holes since the barge could not be moved close enough to shore to begin drilling in bedrock. Note

As far as I have been able to determine, only the Drill Logs have the incorrect locations listed and should be changed to the correct locations listed above. The Drill Logs were made out after the holes were located and the angles determined and did not affect either factor.

I sincerely hope this error of mine in copying notes for the Drill Logs will not make it necessary to further amend amendment No. 3.

Sincerely yours,

Donald E. Wyke

Donald E. Wyke
District Manager
Roland F. Beers, Inc.

Copy to: Roland F. Beers, Inc.
P. O. Box 23
Alexandria, Virginia

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
1/4	[illegible]	120
1/4	Tolbert	300
"	Hoff	500
	Brunwold	500
1/4	Mclead	110
1-4	Furnish	100
1/4	Coe	220
		500

JAN 4 1961

Memorandum

To: Chief, Fiscal Section
Division of Administrative Services
Office of the Secretary

From: Chief, Division of Field Operations, OME

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Attached for each of Stages I and II are the original (with supporting documents) and two copies of MME Form 60 and the original and two copies of MME Form 61 covering work performed during November 1961.

The AX core which the Operator lists meets the specifications for the BX core stipulated in the contract.

It is considered that the work performed complies with the intent of the contract and is acceptable to the Government.

The work performed during the month was on both actual cost and fixed unit cost bases.

Subject to verification of arithmetical accuracy of the report, it is recommended that the Operator be reimbursed for $27.50 for Stage I and $1,365.70 for Stage II, each of which is 50 percent of the monthly total shown on the respective MME Form 60.

Attachments

George C. Selfridge

GCSelfridge/ama 1-3-61

cc:
Docket OME-6104
Director's Reading File
Region IV w/cys of attachments
CA & A Division
Code 500
GCSelfridge

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
12/28	GCS	120
		220

DEC 28 1961

Dr. Roland F. Beers
Roland F. Beers, Inc.
P. O. Box 23
Alexandria, Virginia

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al.,
Prospects
Knox County, Maine
Contract 2123

Dear Dr. Beers:

This letter confirms the permission given Mr. Wyke on December 27 to drill the second hole at Alford Lake as discussed with him over the telephone.

Sincerely yours,

/s/ George C. Selfridge

Chief, Division of Field Operations (HB)

GCSelfridge/hb
12/28/61
cc to: Docket OME-6104
Director's Reading File
R.A.Laurence, Region IV
Code 500
G.C.Selfridge

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
12/11	Selfridge	420
12/11	[illegible]	800
"	[illegible]	110
12-11	[illegible]	100
12/12	Smallwood	500
12/12	Hoff S.P.A.	500 ✓
		~~220~~

December 8, 1961

Memorandum

To: Files

From: Chief, Division of Field Operations

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Mr. Wyke, the company's field manager, telephoned on Monday, December 4, to inform the writer that the drill had been moved to Alford Pond and was ready to drill the southernmost hole which the writer had already orally approved when conversing with Dr. Beers.

Mr. Wyke stated that the drilling of the hole on Section 50 S. at Crawford Pond had given considerable difficulty. After drilling 50 feet on land in bedrock, the drill penetrated sand and entered the lake. The drill rod broke and the hole was lost. He then gave the writer a quick resume of the various types of rock and mineralization encountered in the second hole which was drilled to a depth of 562 feet. A good deal of basic rock was encountered with varying amounts of mineralization. This started with the first gabbro at 351 feet. A number of occurrences of gabbro and periodite intercalated with other types of rock were penetrated. The hole indicated a decrease in the sulphide values found in the sections further to the south.

Mr. Wyke also reported that he had found additional basic rock at Alford Pond.

George C. Selfridge.

GCSelfridge/hb
12/8/61

cc: Docket OME-6104
Director's Reading File
Region IV
G.C.Selfridge

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
12/4	[illegible]	120
12/4	Holt	500
12/4	[illegible]	400
12/4	Talbut	800
12/4	On Leave	110
12/4	On Leave	100
12-4	gad	220

DEC 4 1961

Dr. Roland F. Beers
Roland F. Beers, Inc.
P. O. Box 23
Alexandria, Virginia

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al.,
Prospects
Knox County, Maine
Contract 2123

Dear Mr. Beers:

In checking over the October voucher it was noted that the two feet of BX drilling were listed as $9.90 instead of $8.90.

This letter is your authorization to drill Hole No. E 50-1 and Hole No. A-0-1 under Stage II of the contract.

Thank you for the cross sections showing the various holes drilled to date.

Sincerely yours,

/s/ George C. Selfridge

Chief, Division of Field Operations

GCSelfridge/hb (12/4/61)
cc: Docket OME-6104
Director's Reading File
Region IV
Code 500

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
11/29	GCS	120
11/30	S.P.H.	500
		800
11/29	Leave	110
11/29	Leave	100
11-29	gad	220

NOV 2 9 1961

Memorandum

To: Chief, Fiscal Section
Division of Administrative Services
Office of the Secretary

From: Chief, Division of Field Operations, OME

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Enclosed for Stage I work are the original (with supporting documents) and two copies of MME Form 60 and the original and two copies of MME Form 61 covering work performed during October 1961. Also enclosed for Stage II are the originals of MME Form 60 and MME Form 61 only as no work was done under this Stage during October.

The AX core which the Operator lists meets the specifications for the BX core stipulated in the contract.

It is considered that the work performed complies with the intent of the contract and is acceptable to the Government.

The work performed during the month was on both actual cost and fixed unit cost bases.

A one dollar error was found in the billing of 2 feet of BX drilling in Hole No. E-55-3 shown in MME Form 60. Subject to further verification of arithmetical accuracy of the report, it is recommended that the Operator be reimbursed $2,132.18 for Stage I which is 50 percent of the "corrected" monthly total shown on MME Form 60.

/s/ George C. Selfridge (GCS)

Enclosures 4

GCSelfridge/hb (11/29/61)
cc: Docket OME-6104
Director's Reading File
CA&A Division
Region IV w/cy ea. of attachments & cy of Operator's letter of 11/21/61. Also Field Office's cy of Am.#4.
Code 500
GCSelfridge

43683

ROLAND F. BEERS, INC.
POST OFFICE BOX 23
ALEXANDRIA, VIRGINIA

TELEPHONE
KING 9-2910

OFFICIAL FILE COPY
O. M. E
RECEIVED NOV 29 1961

DATE	INITIALS	CODE OFFICE
		2520 OAKVILLE STREET
		TXO
		FOO
11/30		FOO

November 28, 1961

Mr. George C. Selfridge, Chief
Division of Field Operations
Office of Minerals Exploration
Washington 25, D. C.

Re: OME-6104(Nickel)
Crawford Pond, et al.,Prospects
Knox County, Maine
Contract 2123

Dear Mr. Selfridge:

Enclosed are the original and three copies of Amendment No. 4 to the subject contract which have been signed by Dr. Beers.

Sincerely yours,

John S. Bakos

John S. Bakos
Controller

Enclosures

JSB/ph

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
11/20	Holt	500
	Hurwell	500
11/21	Tafflet	800
11/21	Selfridge	130
"	Johnson	110
11/21	Fenech	100
11-21	gad	220
		500

NOV 2 1 1961

Dr. Roland F. Beers
Roland F. Beers, Inc.
P. O. Box 23
Alexandria, Virginia

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Dr. Beers:

Enclosed are the original and four copies of proposed Amendment No. 4 to the subject contract, signed by the Director for the Government.

If this amendment meets with your approval, please sign all copies, retain the one marked for the Operator, and return the remaining copies to this office. If it does not meet with your approval, please return all copies to this office with your comments.

Sincerely yours,

/s/ George C. Selfridge (SPH)

Chief, Division of Field Operations

Enclosures

SPHolt/gla
11-20-61
cc to: Director's Reading File
Review Committee
Region IV
Docket

43683

ROLAND F. BEERS, INC.
POST OFFICE BOX 23
ALEXANDRIA, VIRGINIA

TELEPHONE
KING 9-2910

OFFICE
2320 OAKVILLE STREET

OFFICIAL FILE COPY
O. M. E
RECEIVED NOV 22 1961

DATE	INITIALS	CODE
11-22	gad	VVO
November 21, 1961		
		130
"	Gerald	500
"	Hal S.P.M.	500

Mr. George C. Selfridge, Chief
Division of Field Operations
Office of Minerals Exploration
Washington 25, D. C.

Subject: Request for Permission
amend
Contract No. 14-23-090-2123
OME 6104
Crawford Pond, et al, Prospects, Knox County, Maine

Dear Mr. Selfridge:

In accordance with our discussion in your office on November 1, 1961, we request permission to amend the subject contract so as to allow the drilling of Hole E 50-1 under Stage II. The collar is 49.94 S+4.88 E; bearing N 72°W; angle-40° with an estimated depth of 500 feet.

Your consideration of this request is greatly appreciated.

Enclosed are cross sections of the intersections which have been made to date.

Very truly yours,

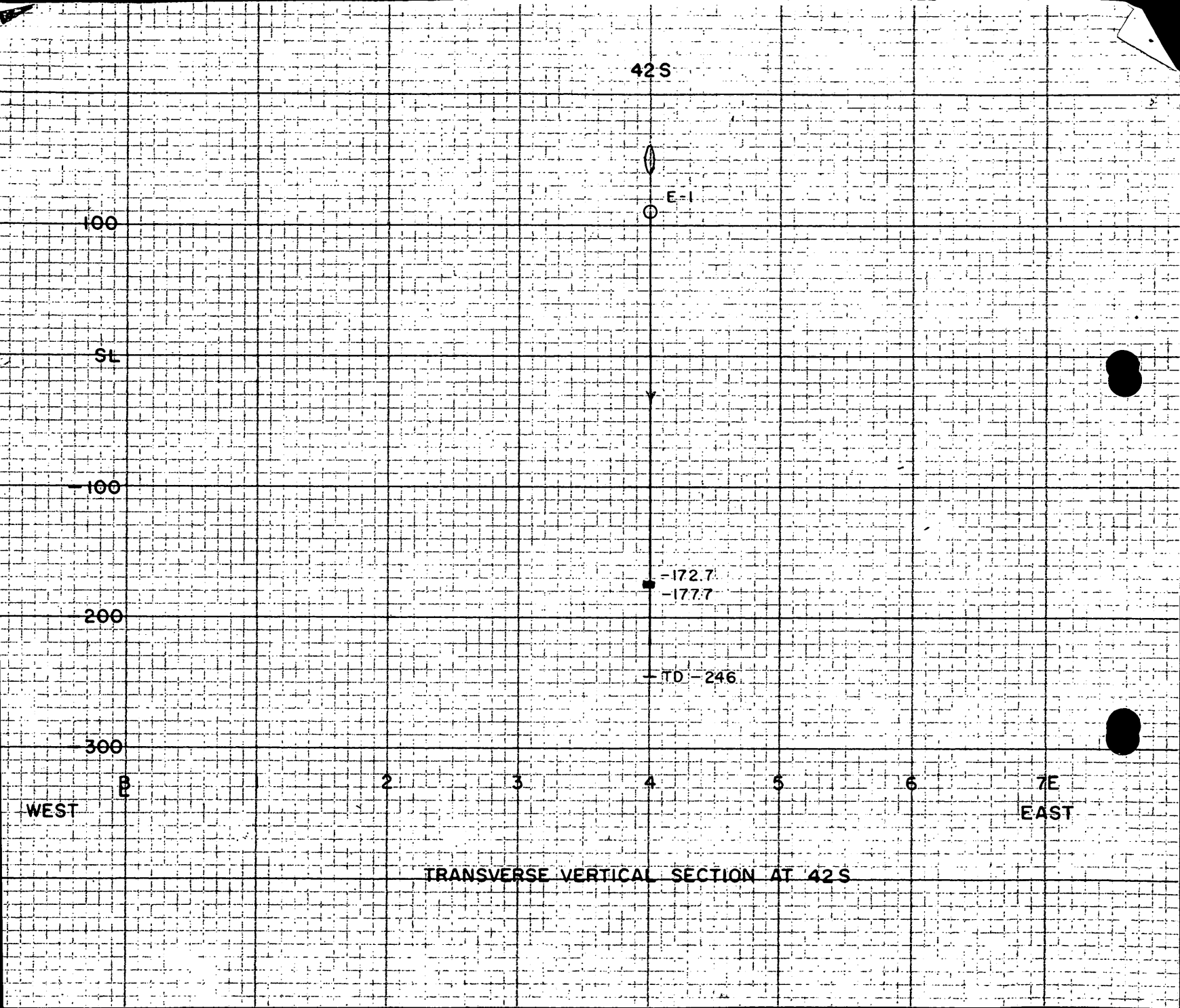
ROLAND F. BEERS, INC.

Roland F. Beers

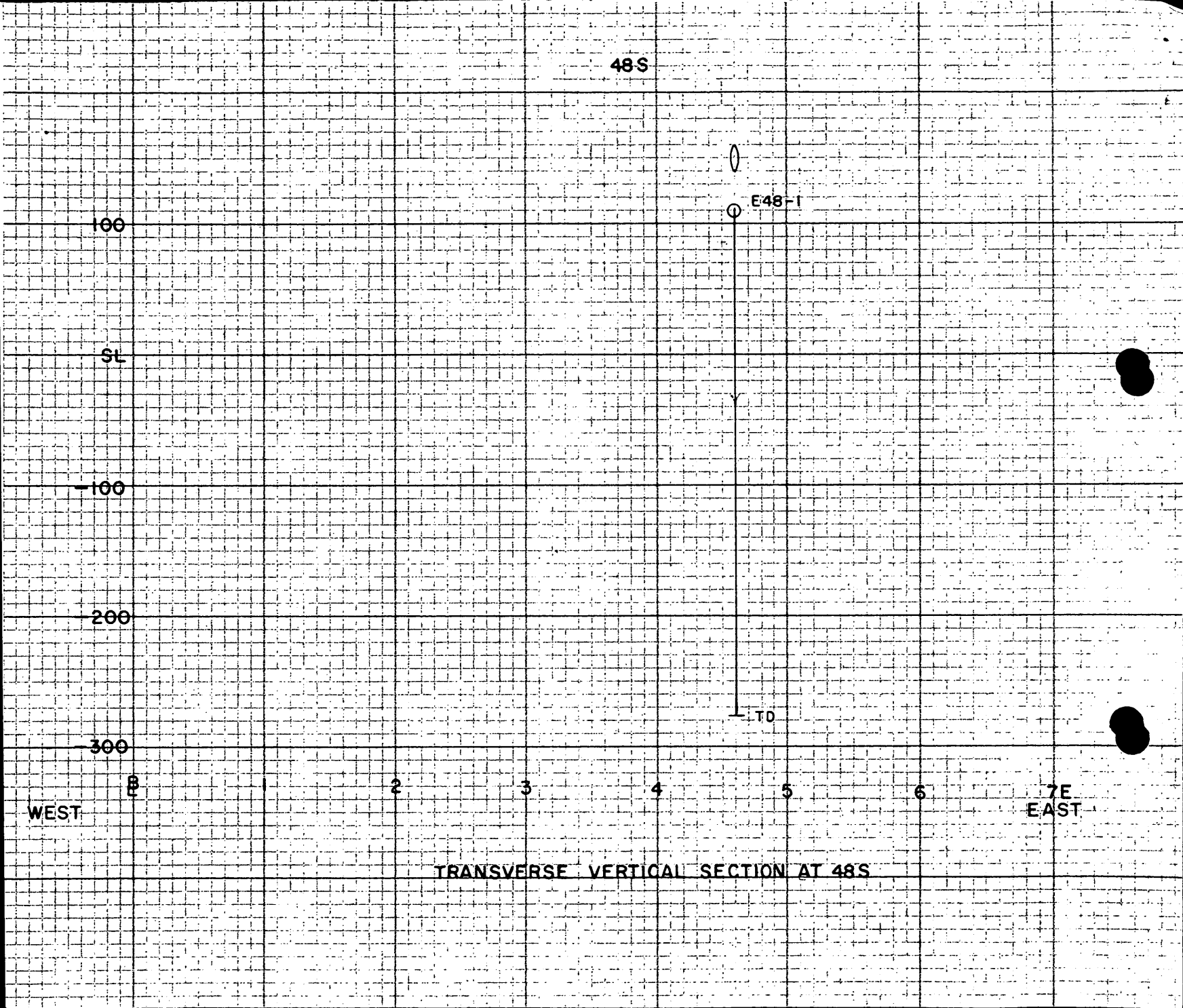
Roland F. Beers,
President

RFB/ph

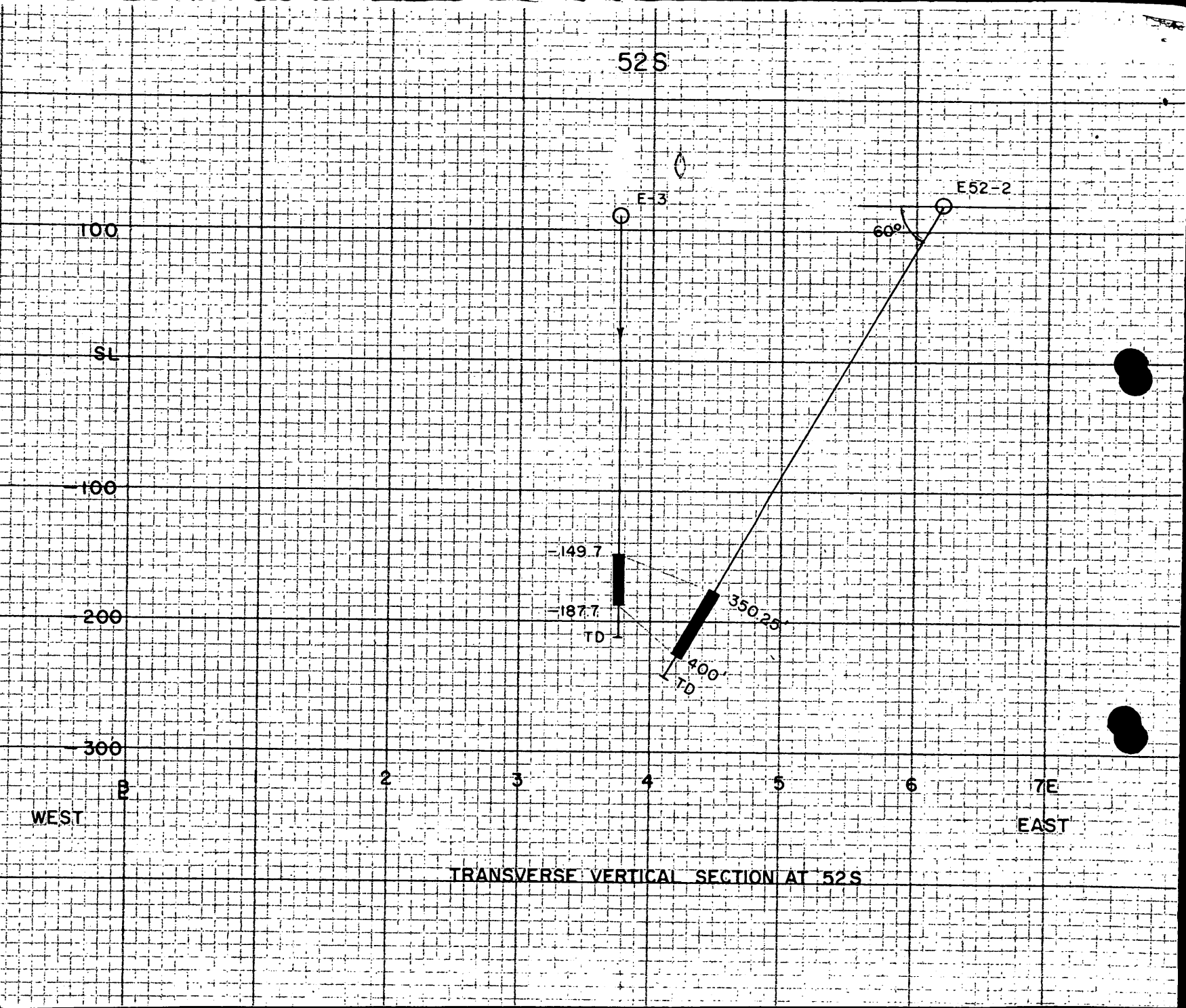
(1 copy this letter and attachments to Robert A. Laurence, Region IV, 11/22/61)

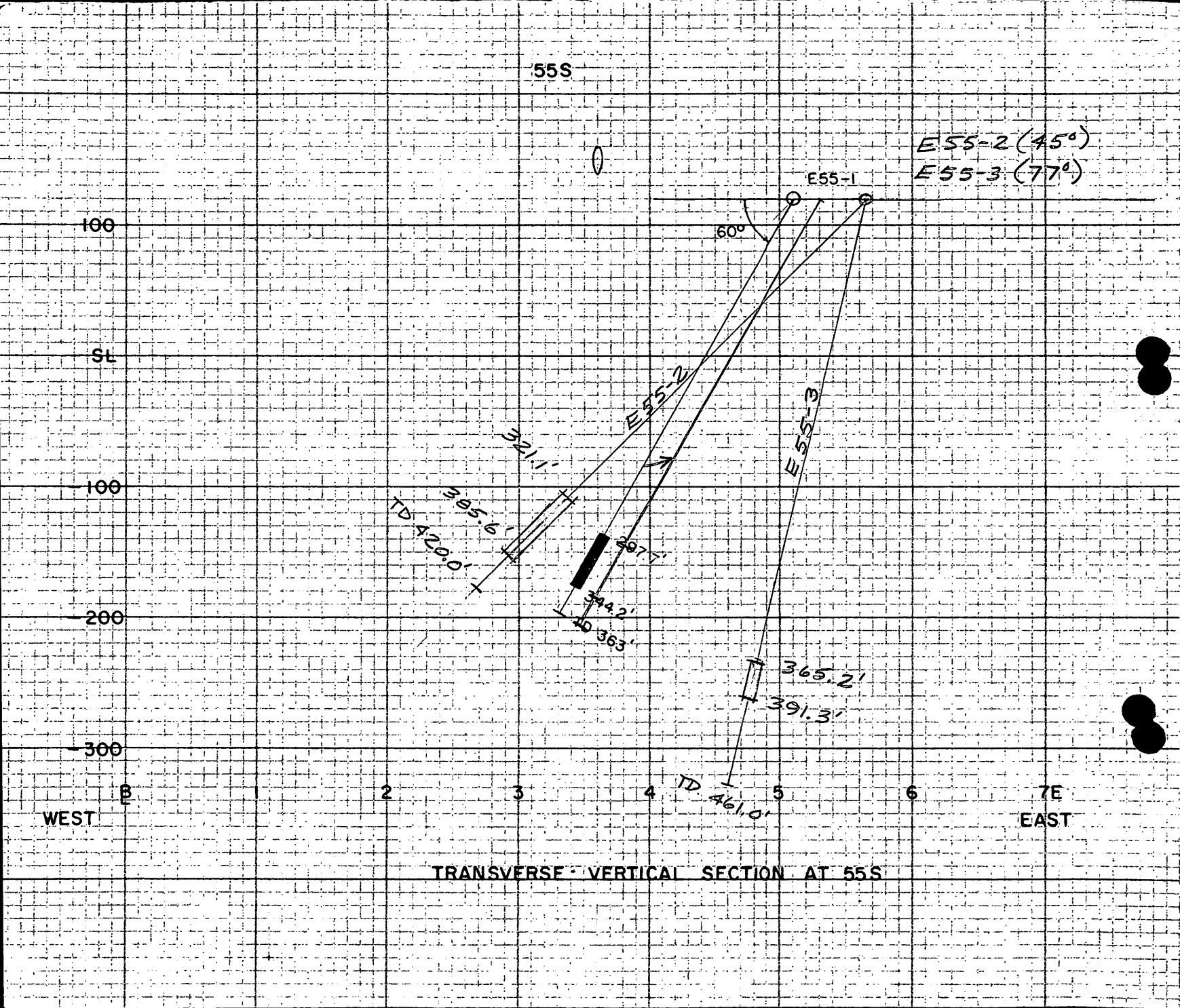


TRANSVERSE VERTICAL SECTION AT 42 S

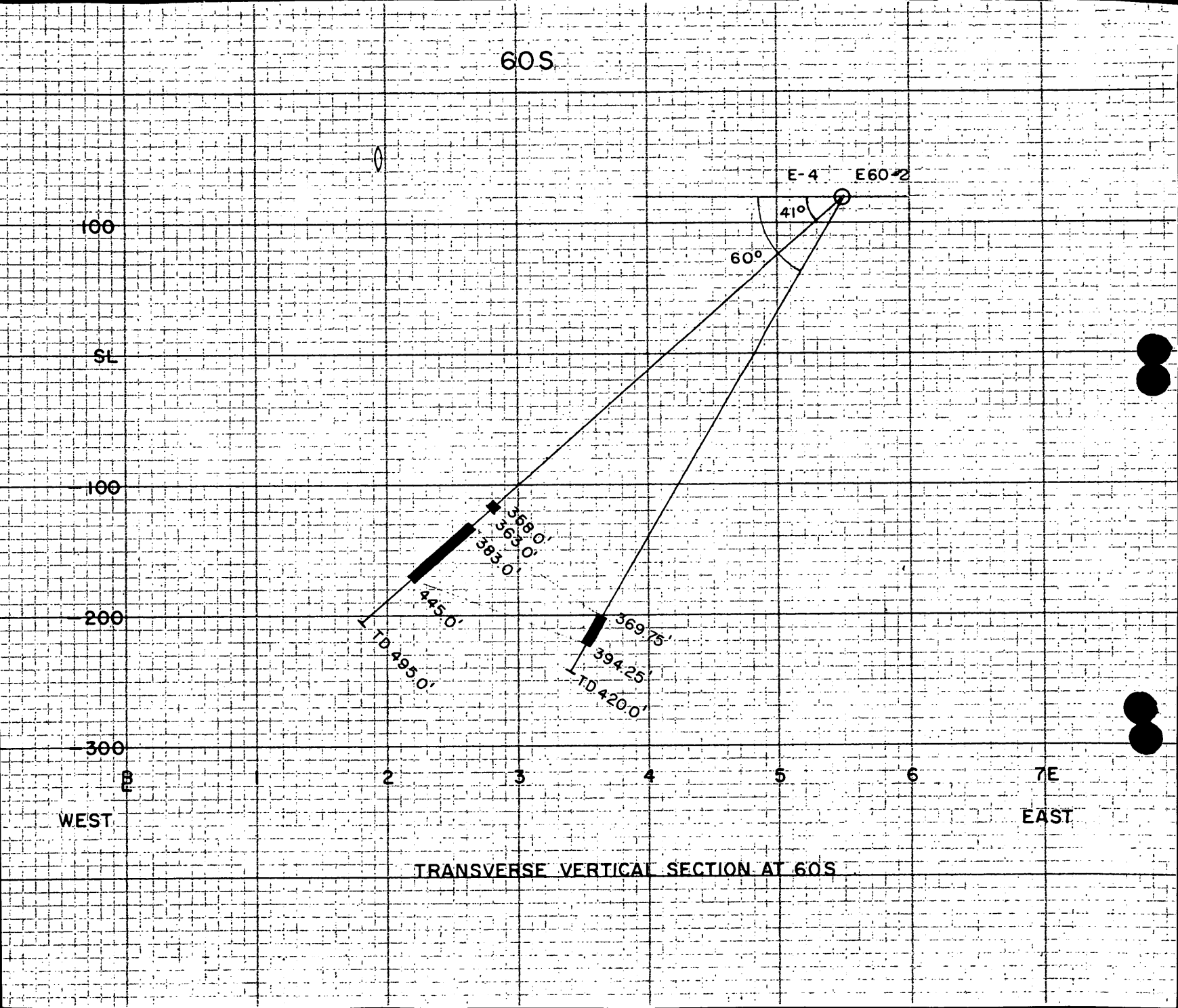


TRANSVERSE VERTICAL SECTION AT 48S

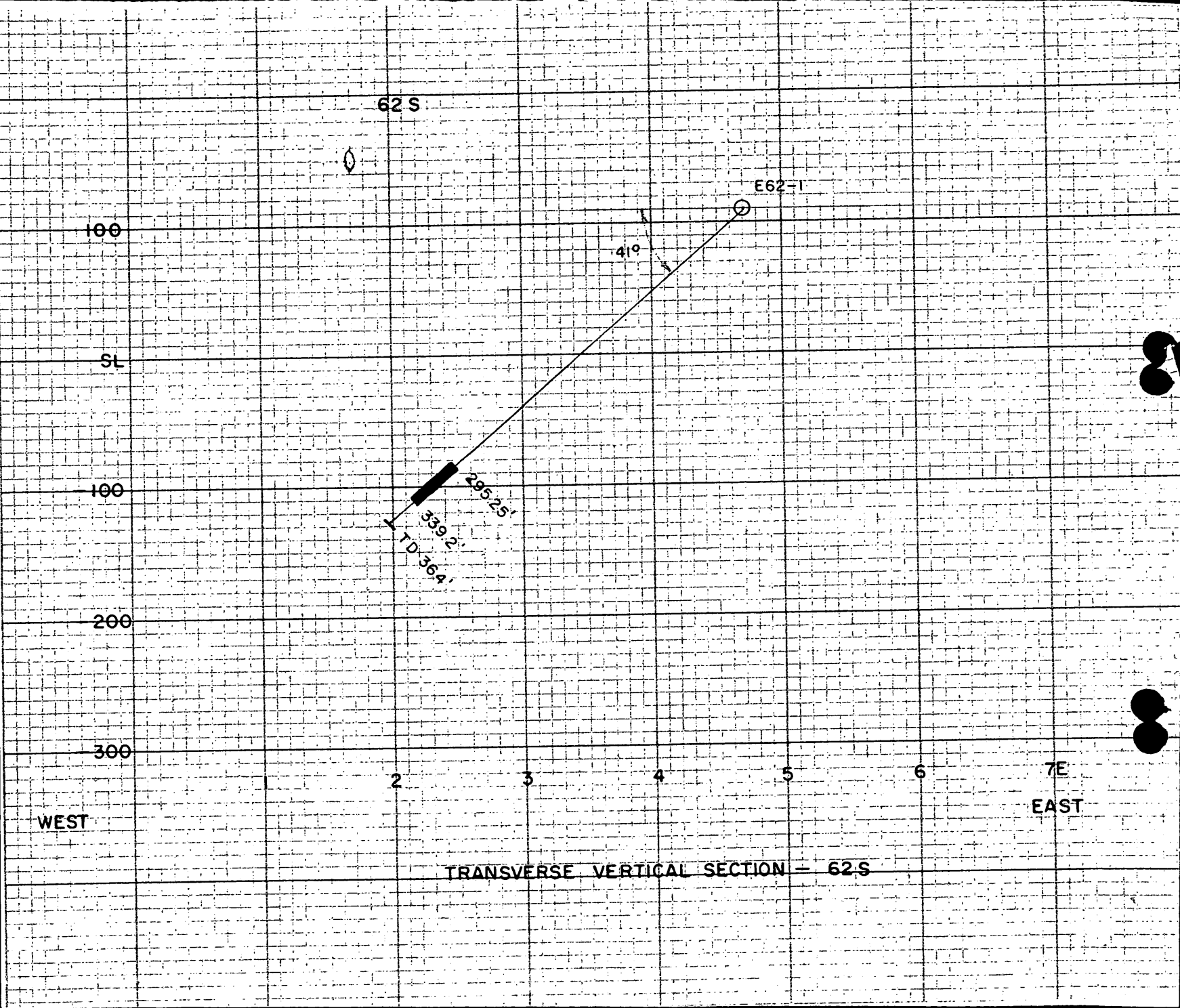

52S
E-3
E52-2
60°
100
SL
-100
-149.7
-187.7
TD
350.25'
400'
TD
200
-300
B
2
3
4
5
6
7E
WEST
EAST
TRANSVERSE VERTICAL SECTION AT 52S



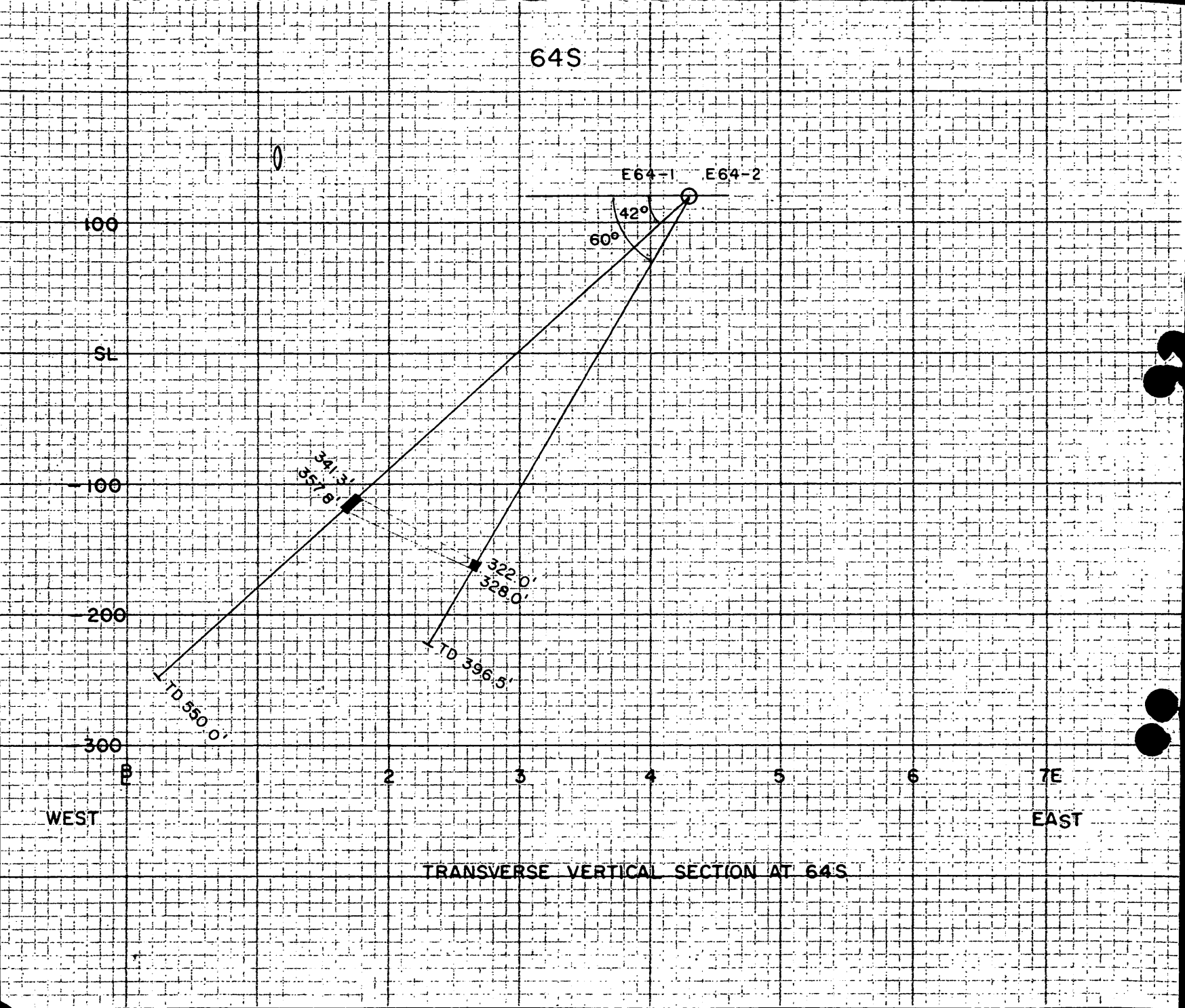
TRANSVERSE VERTICAL SECTION AT 55S



TRANSVERSE VERTICAL SECTION AT 60S



TRANSVERSE VERTICAL SECTION — 62 S



TRANSVERSE VERTICAL SECTION AT 64S

ROLAND F. BEERS, INC.
POST OFFICE BOX 23
ALEXANDRIA, VIRGINIA

TELEPHONE
KING 9-2910

OFFICIAL FILE COPY
O. M. E
RECEIVED NOV 21 1961

DATE	INITIALS	CODE
	OFFICE 2520 OAKVILLE STREET	
		~~TWO~~
11/21	Stewart	500
11/22	~~Hart~~ SPH	~~500~~

November 20, 1961

Mr. George C. Selfridge
Chief, Division of Field Operations
Office of Minerals Exploration
Department of the Interior
Washington 25, D. C.

re: OME-6104 (Nickel)
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Mr. Selfridge:

I regret that the urgency of the Atomic Energy Commission program has prevented my preparing the formal request for permission to drill the Stage II hole at 50S, as agreed upon in our last conversation.

This oversight is being remedied and you will shortly receive the required document. We will also send you at that time the cross sections of the intersections which have been made to date.

Yours very truly,

ROLAND F. BEERS, INC.

Roland F. Beers

Roland F. Beers
President

rfb/h
cc: Mr. Donald E. Wyke
Dr. Robert S. Young

DRAFT
11/14/61
SPHolt/gla

Copy of draft for docket

EXPLORATION CONTRACT
ROLAND F. BEERS, INC.
OME-6104

AMENDMENT NO. 4

It is agreed this _____ day of _____, 1961, between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter called the "Government," and Roland F. Beers, Inc., hereinafter called the "Operator," that Contract No. 2123 (OME-6104), dated February 16, 1961, as amended, is further amended, effective July 1, 1961, as follows:

1. In Exhibit A, Description of the Work, Stage II, delete the second paragraph in its entirety, replacing it with a paragraph to read:

"Diamond core drill from the surface, as approved by the Government, approximately 11 holes at Crawford Pond and three holes at Alford Lake not to exceed 5,240 feet in aggregate footage at such attitudes and locations as to test for the continuations of the ore present or indicated at the mineralized zones."

This amendment shall not be construed to increase the amount of any item designated as maximum, the fixed unit cost of any item of work, the estimated total cost of the contract, or the aggregate total amount which the Government may be required to contribute.

Executed in quintuplicate the day and year first above written.

ROLAND F. BEERS, INC.
By_____
Title_____

THE UNITED STATES OF AMERICA

By_____
Director, Office of Minerals Exploration

OFFICIAL FILE COPY

Date	Surname	Code
11/3	Selfridge	120
11/3	Johnson	110
11/3	Tussell	100
11/6	Talbot	800
"	Kenwood	500
"	Hoet	500

S.F.H.

November 2, 1961

Memorandum

To: Files

From: Chief, Division of Field Operations

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Mr. Beers telephoned today to report that the Company had finished the two additional holes at section 55 and they were ready to move the drill. He reported that the flatter hole penetrated approximately 65 feet of good sulphide ore and that the steeper hole intersected 26 feet of ore ranging from 15 to 40% sulphide. He said that plotting of the holes with those previously drilled in both plan and vertical section indicated the strike of the ore body at its center would pass approximately 4.2 east on section 50. He requested permission to drill two holes, for which calculations had not yet been made, to intersect the ore 100 feet to the west and to the east of the 4.2 point. The writer gave his oral permission to do so. This should be confirmed in writing when the request giving full details is formally submitted.

As only one vertical hole had been stipulated in Stage II of the contract at section 50 and with the information presently at hand, Stage II of the contract will have to be amended. The writer has requested Mr. Holt to write an amendment deleting Stage II and substituting therefor something on the following order:

> "Diamond core drill from the surface, as approved by the Government, approximately 11 holes at Crawford Pond and three holes at Alford Lake not to exceed 5,240 feet in aggregate at such attitudes and locations as to test for the continuations of the ore present or indicated at the mineralized zones."

GCSelfridge/hb (11/2/61)
Copy to: Docket OME-6104
Director's Reading File
Mr. Laurence, Region IV
GCSelfridge

George C. Selfridge

43683

ROLAND F. BEERS, INC.
POST OFFICE BOX 23
ALEXANDRIA, VIRGINIA

TELEPHONE
KING 9-2910

2520 OAKVILLE STREET

OFFICIAL FILE COPY
O. M. E.
RECEIVED OCT 17 1961

DATE	INITIALS	CODE
10/17	~~Nash~~ S.T.H.	100

October 16, 1961

Mr. George C. Selfridge
Chief, Division of Field Operations
Office of Minerals Exploration
United States Department of the Interior
Washington 25, D. C.

Re: OME-6104 (Nickel)
Crawford Pond, et al, Prospects
Knox County, Maine
Contract 2123

Dear Mr. Selfridge:

I wish to thank you for Amendment No. 3 to the subject contract and it meets with my approval. Accordingly, I have signed all five copies and I am returning four copies thereof to you.

Sincerely yours,

Roland F. Beers

Roland F. Beers,
President

RFB:am

Encls.

OFFICIAL FILE COPY

Date	Surname	Code
10/16	GCS	120
10/16	Holt	500
	Emerson	500
10/16	Talbert	900
"	Johnson	110
10/16	Stewart	100
10/16	gad	220

OCT 16 1961

Memorandum

To: Chief, Fiscal Section
Division of Administrative Services
Office of the Secretary

From: Chief, Division of Field Operations, OME

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Attached for each of Stages I and II are the original of MME Form 60 and MME Form 61 for September 1961.

As no work was done under the contract during September, this Office is retaining the two copies usually sent with the originals.

George C. Selfridge

Attachments

GCSelfridge/hb (10/16/61)
Copy to: Docket OME-6104
Director's Reading File
CA&A Division
Region IV w/cy ea. of attachments & cy of Operator's letter of 10/11/61
Code 500
GCSelfridge

43683

Form 7
(8)

OFFICIAL FILE COPY

Date	Surname	Code
10/12	Holt	500
	Bussard	500
10/13	Talbot	800
10/13	[illegible]	130
"	Johnson	110
10-13	Tunch	100
10/13	gad	220
10/16	gc	~~500~~
		500

OCT 1 3 1961

Dr. Roland F. Beers
Roland F. Beers, Inc.
P. O. Box 23
Alexandria, Virginia

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Dr. Beers:

Enclosed are the original and four copies of a proposed Amendment No. 3 to the subject contract.

If this amendment meets with your approval, please sign all copies, retain the one marked for the Operator and return the remaining copies to this office. If it does not meet with your approval, please return all copies to this office with your comments.

Sincerely yours,

/s/ George C. Selfridge

(HB)

Chief, Division of Field Operations

Enclosures

SPHolt/gla
10-12-61
cc to: Director's Reading File
Review Committee
Region IV
Docket

43683

DRAFT
10/9/61
SPHolt/gla

Copy of DRAFT for docket

EXPLORATION CONTRACT
ROLAND F. BEERS, INC.
OME-6104

AMENDMENT NO. 3

It is agreed this _____ day of _____, 1961, between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter referred to as the "Government," and Roland F. Beers, Inc., hereinafter referred to as the "Operator," that Contract No. 2123 (OME-6104), dated February 16, 1961, as amended, is further amended, effective September 21, 1961, as follows:

1. In Exhibit A, Description of the Work Stage I, as amended by Amendment No. 1, add the following paragraph:

In addition to the holes stipulated above, drill two inclined holes at locations and with directions, bearings, inclinations, and depths approximately as follow:

Hole No E55-2
Collar at coordinates 54.9 S., 5.1 E.
Bearing, N. 72° W.
Inclination, -45°
Approximate depth, 450 feet

Hole No. E-55-3
Collar at coordinates 54.9 S., 5.1 E.
Bearing, N. 72° W.
Inclination, -77°
Approximate depth, 450 feet

This amendment shall not be construed to increase the amount of any item designated as maximum, the fixed unit cost of any item of work, the estimated total cost of the contract, or the aggregate total amount which the Government may be required to contribute.

Executed in quintuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By_____
Director, Office of Minerals Exploration

ROLAND F. BEERS, INC.

BY_____

Title_____

OFFICIAL FILE COPY

Date	Surname	Code
10/4	[illegible]	500
	Grisamer	500
10/5	Talbert	800
10/5	[illegible]	120
"	Johnson	110
10-4	Kennedy	100
10-5	gad	220
		500

OCT 5 1961

Dr. Roland F. Beers
Roland F. Beers, Inc.
P. O. Box 23
Alexandria, Virginia

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Dr. Beers:

In accordance with our discussion on September 21, 1961, and the request in your letter of September 25, 1961, you are authorized to drill under Stage I of the subject contract the two diamond core drill holes designated in your letter.

A contract amendment to cover the authorization will be prepared and forwarded to you within the next few days.

Sincerely yours,

/s/ George C. Selfridge

Chief, Division of Field Operations

SPHolt/gla
10-4-61
cc to: Director's Reading File
Mr. Selfridge
Region IV w/cy Dr. Beers' letter
Docket

43683

Form 7
(58)

OFFICIAL FILE COPY

Date	Surname	Code
9/27	[illegible]	120
	Holt	500
	Bisnud	500
9/28	Talbot	800
"	Johnson	110
9/28	Farmer	100
9/29	[illegible]	220
		500

SEP 28 1961

Memorandum

To: Chief, Fiscal Section
Division of Administrative Services
Office of the Secretary

From: Chief, Division of Field Operations, OME

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Attached for each of Stages I and II are the original (with supporting documents) and two copies of MME Form 60 and the original and two copies of MME Form 61 covering work performed during August 1961.

The AX core which the Operator lists meets the specifications for the BX core stipulated in the contract.

It is considered that the work performed complies with the intent of the contract and is acceptable to the Government.

The work performed during the month was on both actual cost and fixed unit cost bases.

Subject to verification of arithmetical accuracy of the report, it is recommended that the Operator be reimbursed for $1,006.90 for Stage I and $935.04 for Stage II, each of which is 50 percent of the monthly total shown on the respective MME Form 60.

/s/ George C. Selfridge (HB)

Attachments

GCSelfridge/hb (9/27/61)
Copy to: Docket OME-6104
Director's Reading File
Region IV w/cys of attachments
CA&A Division
Code 500
GCSelfridge

43683

ROLAND F. BEERS, INC.
POST OFFICE BOX 23
ALEXANDRIA, VIRGINIA

TELEPHONE
KING 9-2910

1580 OAKVILLE STREET

OFFICIAL FILE COPY
O. M. E.
RECEIVED SEP 26 1961

DATE	INITIALS	OFFICE CODE
		TVO
	WPG	500
10/4/61	S.P.H.	500

September 25, 1961

Mr. George C. Selfridge, Chief,
Division of Field Operations
Office of Minerals Exploration
Washington 25, D. C.

Subject: Request for Permission to Amend

Contract No. 14-23-090-2123
OME - 6104
Crawford Pond, et al, Prospects,
Knox County, Maine

Dear Mr. Selfridge:

In accordance with our discussion in your office on September 21, we request permission to amend Contract No. 14-23-090-2123, referenced above, so as to allow the drilling of two additional holes under Stage I.

By reference to the map, projections and cross-sections of the current drilling program, it will be noted that the full dimensions of the ore body are incompletely defined, as suggested by presently known facts and our interpretation of the geophysics. In particular, the intersection on Traverse 55S by hole No. E 55-1 shows interesting values from a depth of about 298 ft 8 in. to 344 ft 2 in. Projection of the lateral dimensions of the ore at this traverse and consideration of the location of the electromagnetic cross-over at 55S + 3.60 E, suggest that better definition of the cross-section would be determined by drilling two more holes at 55S. We request, therefore, permission to drill two holes as follows:

E 55-2. Collar at 54.9S + 5.1E.
Bearing N 72° W
Angle: -45°
Estimated maximum depth to intersect full section: 450 ft.

E 55-3. Collar at 54.9S + 5.1 E
Bearing N72° W
Angle: -77°
Estimated maximum depth to intersect full section: 450 ft.

Your consideration of this request is greatly appreciated.

Yours very truly,

ROLAND F. BEERS, INC.

Roland F. Beers AM

Roland F. Beers, President

RFB:am

OFFICIAL FILE COPY

Date	Surname	Code
9/25	Selfridge	120
"	Johnson	110
9-25	Tirnak	100
10/2	~~Hassinger~~	~~220~~ 500
10/2	Hart S.P.H	500

September 25, 1961

Memorandum

To: Files

From: Chief, Division of Field Operations

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

On Thursday, September 21, Mr. Beers came to the office to further discuss the drilling of the two holes mentioned in the writer's memorandum of September 12, 1961. The Company had done some additional plotting and cross-sectioning of the holes drilled to date in conjunction with the crossovers obtained by geophysics. Rather than drill one hole in each of sections 55 and 62, it appeared more feasible to drill both holes at section 55 in order to obtain a better cross section of the ore body and to tie the results in with geophysics for future use in projecting the attitude of the mineral deposit. One hole will be drilled to intersect the ore body west of its intersection with Hole No. E-55-1 and the other to the east of the 55 intersection. Permission was given to drill these two holes under Stage I of the contract.

George C. Selfridge

GCSelfridge/hb (9/25/61)
Copy to: Docket OME-6104
Director's Reading File
GCSelfridge
R.A. Lawrence, Reg IV

43683

E Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
9/21	[illegible]	120
	Swerdlow	500
9/21	Johnson	110
9/21	Fenwick	100
		~~220~~
		500
9/21	cal	290

SEP 2 1 1961

Dr. Roland F. Beers
Roland F. Beers, Inc.
P. O. Box 23
Alexandria, Virginia

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Dr. Beers:

Amendment No. 1 to the subject contract provided for the deletion of Article 12, Nondiscrimination, and the substitution therefor of certain provisions of Executive Order 10925 of March 6, 1961. Enclosed is a poster entitled, "Equal Economic Opportunity" which should be posted probably at your core shed and two copies of Standard Form 38--Notice to Labor Unions or Other Organizations of Workers - Nondiscrimination in Employment--one copy of which if applicable should be posted and the other sent to the labor union. The compliance report forms will be sent you as soon as available.

Sincerely yours,

/s/ George C. Selfridge (24B)

Chief, Division of Field Operations

Enclosures

GCSelfridge/hb
(9/21/61)
Copy to: Director's Reading File
Review Committee
Region IV
Docket OME-6104
GCSelfridge

43683

ROLAND F. BEERS, INC.
POST OFFICE BOX 23
ALEXANDRIA, VIRGINIA

TELEPHONE
KING 9-2910

OFFICE
2600 DUKE STREET

OFFICIAL FILE COPY
O. M. E.
RECEIVED SEP 14 1961

DATE	INITIALS	
9-14		100
		140
9/15/61	S.P.H.	500
		400

September 12, 1961

United States Department of the Interior
Office of Minerals Exploration
Washington 25, D. C.

Attention: Mr. George C. Selfridge
Chief, Division of Field Operations

Re: OME-6104 (Nickel)
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Mr. Selfridge:

Thank you for sending us Amendment No. 2 to the subject contract.

Enclosed are four executed copies of the Amendment.

Very truly yours,

ROLAND F. BEERS, INC

John S. Bakos

John S. Bakos
Controller

jsb/ph

Enclosures

Grace - Reg IV copy of Amendment mailed 9/14/61
HBerry

orm 7
58)

OFFICIAL FILE COPY

Date	Surname	Code
9/14	GCS	120
9/15	S.P.H.	500
		800
		110
		100
		220

September 12, 1961

Memorandum to the Files

From: Chief, Division of Field Operations

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

On September 7, 1961, Mr. Beers came to the office to inform the writer that the first hole at section 48 S did not penetrate any ore. Since the last conference with him, he had prepared a plan and section map similar to the one which the writer had prepared since visiting the project. Study of the map suggested that the hole might be too far to the west. Before drilling more holes under Stage II, Mr. Beers thought that two additional holes should be drilled under Stage I at localities where one hole had been drilled. In each case the second hole would give better information relating to the attitude of the ore body and its cross section for the purpose of calculating ore reserves. The writer informed Mr. Beers that study of the recent drill hole information and the two types of occurrences of the nickel suggested that the sulphides possibly originated to the north and followed a structure trending and rising upward to the south. The writer gave permission to Mr. Beers to drill a second hole at each of sections 55 and 62 before continuing the drilling to the north of section 52. Footage for these two holes is available from Holes E-56-2 and E-64-2 under Stage I which have not been drilled.

Mr. Beers also informed the writer that the nickel occurred in the lattice form at Spruce Island the same as it did to the north of the Pond where the sulphides occurred with the basic rock. Mr. Beers stated that as soon as they had calculated the attitude for each of the two holes it would be submitted. On receipt of this information, an amendment will have to be prepared covering the work.

George C. Selfridge

GCSelfridge/hb (9/12/61)
Copy to: Docket OME-6104
Director's Reading File
R. A. Laurence, Region IV
G.C.Selfridge

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
9/8	[illegible]	500
9/8	Holt	500
9/8	Fallert	800
9/8	[illegible]	130
9/8	[illegible]	110
9/8	Furman	100
9/8	[illegible]	220
		500

SEP 8 1961

Dr. Roland F. Beers
Roland F. Beers, Inc.
P. O. Box 23
Alexandria, Virginia

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Dr. Beers:

Enclosed are the original and four copies of proposed Amendment No. 2 to the subject contract.

If this amendment meets with your approval, please sign all copies, retain the one marked for the Operator, and return the remaining copies to this office. If it does not meet with your approval, please return all copies to this office with your comments.

Sincerely yours,

/s/ George C. Selfridge

Chief, Division of Field Operations

Enclosures

SPHolt/gla/hb (9/8/61)
Copy to: Director's Reading File
Review Committee
Region IV
Docket

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
8/30	GCS	120
"	Jurnel	500
"	Holt	500
"	on leave	110
8/30	Fumich	100
9/7	Cee	220
		500

R
INTERIOR DEPT.
AUG 31 1961
SOLICITOR

SEP 6 1961

Mr. John S. Bakos
Controller
Roland F. Beers, Inc.
P. O. Box 23
Alexandria, Virginia

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Mr. Bakos:

Thank you for the amended log of Hole No. E-64-1 and the copy of Union Assay's price schedule. The unit costs stipulated in the contract for assays are not maximums. Perhaps it would be best to make the adjustment for the June nickel-cobalt assays at the time the contract is audited as there will probably be other adjustments to be made.

Shortly we shall send you an amendment extending the completion date of the contract as requested by Mr. Beers in his letter of August 23, 1961, to Mr. Fumich. The amendment will also include items pertaining to the length of core samples and to the location and attitude of holes drilled under Stage II of the contract.

Sincerely yours,

/s/ George C. Selfridge (HB)

Chief, Division of Field Operations

GCSelfridge/hb (8/30/61)
Copy to: Docket OME-6104
Director's Reading File
RALaurence, USGS, Knoxville
CA&A Division
GCSelfridge
Code 500

FROM SOLICITOR
SEP 6 1961
FOR SIGNATURE

RECEIVED
AUG 31 1961
ASSOC. SOLICITOR
MINERAL RESOURCES

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
8/29	[illegible]	120
"	[illegible]	500
"	Holt	500
8/29	Talbut	800
"	Dudeard	110
8/29	Furnish	100
8/29	gad	220
		500

AUG 2 9 1961

Memorandum

To: Chief, Fiscal Section
Division of Administrative Services
Office of the Secretary

From: Chief, Division of Field Operations, OME

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Enclosed are the original (with supporting documents) and two copies of MME Form 60 and the original and two copies of MME Form 61 covering work performed during July 1961.

The AX core which the Operator lists meets the specifications for the BX core stipulated in the contract.

It is considered that the work performed complies with the intent of the contract and is acceptable to the Government.

The work performed during the month was on both actual cost and fixed unit cost bases.

Subject to verification of arithmetical accuracy of the report, it is recommended that the Operator be reimbursed for $941.85, which is 50 percent of the monthly total shown on MME Form 60.

Attachments

GCSelfridge/hb (8/29/61)
Copy to: Docket OME-6104
Director's Reading File
Region IV w/cys of attachments
CA&A Division
GCSelfridge
Code 500

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
8/28	Holt	500

August 28, 1961

Memorandum

To: Associate Solicitor
Division of Mineral Resources

From: W. R. Griswold, Chief
Division of Minerals

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Attached is a draft of a proposed Amendment No. 2 to the above-captioned contract for your use in preparing it in final form.

Attachment

SPHolt/gla

8-28-61
cc to: Docket

43683

DRAFT 8/28
Rewritten 9/29/61
SPMolt/GCSelfridge/gla

Copy of DRAFT
for docket

EXPLORATION CONTRACT
ROLAND F. BEERS, INC.
OME-6104

AMENDMENT NO. 2

It is agreed this _____ day of _____, 1961, between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter referred to as the "Government," and Roland F. Beers, Inc., hereinafter referred to as the "Operator," that Contract No. 2123 (OME-6104), dated February 16, 1961, as amended, is further amended, effective July 1, ~~August 24,~~ 1961, as follows:

1. In Article 1 of the contract the period for completion of the work is changed from "within 8 months from the date of the contract" to "within 16 months from the date of the contract."

2. In Article 7(b)(2) of the contract the period for repayment is changed from 15 years to 16 years from the date of the contract.

3. In Exhibit A, General Conditions, change the period (.) at the end of the second paragraph to a comma (,) and add "except where the mineral assemblage is of such uniformity that longer core samples are feasible and warranted, and have the approval of the Government.

4. In Exhibit A, Description of the Work, Stage II, delete the second paragraph in its entirety, replacing it with a paragraph to read:

"Approximately at the sites indicated on Figures 3 and 4 in red color, diamond core drill from the surface not to exceed 5,240 feet in approximately 8 and 3 inclined and/or vertical holes designed to intersect the Crawford Pond and Alford Lake mineralized zones, respectively."

This amendment shall not be construed to increase the amount of any item designated as maximum, the fixed unit cost of any item of work, the estimated total cost of the contract, or the aggregate total amount which the Government may be required to contribute.

Executed in quintuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By_____
Director, Office of Minerals Exploration

ROLAND F. BEERS, INC.

By_____

Title_____

ROLAND F. BEERS, INC.
POST OFFICE BOX 23
ALEXANDRIA, VIRGINIA

TELEPHONE
KING 9-2910

OFFICE
2520 OAKVILLE STREET

August 23, 1961

OFFICIAL FILE COPY
O. M. E.
RECEIVED AUG 24 1961

DATE	INITIALS	CODE
8/24	[illegible]	500
"	[illegible]	500
"	Holt	500
	S.P.H.	

cy to 120

Mr. George Fumich, Jr., Director
United States Department of the Interior
Office of Minerals Exploration
Washington 25, D. C.

Re: OME-6104 (Nickel)
Crawford Pond et al Prospects
Knox County, Maine
Contract 2123

Dear Mr. Fumich:

The subject contract provides for the completion of the work requirements therein within eight months from the date of the contract, February 16, 1961.

It is anticipated that the work under Stage I of the contract will be completed about October 1, 1961.

At a recent conference with Mr. Selfridge of your office, he informed me that authorization will soon be issued by the Office of Minerals Exploration to begin work on Stage II of the contract.

This work will extend beyond the expiration date of the contract. We therefore hereby make formal request to extend the completion date of the contract to May 1, 1962.

The favorable action of your office will be appreciated.

Sincerely yours,

ROLAND F. BEERS, INC.

Roland F. Beers

Roland F. Beers
President

rfb/h

ROLAND F. BEERS, INC.
POST OFFICE BOX 23
ALEXANDRIA, VIRGINIA

TELEPHONE
KING 9-2910

OFFICE
2520 OAKVILLE STREET

August 23, 1961

OFFICIAL FILE COPY
O. M. E
RECEIVED AUG 24 1961

DATE	INITIALS	CO
8/24	Rosewald	500
8/25	Hoet	500
	S.P.H.	

Mr. George Fumich, Jr., Director
United States Department of the Interior
Office of Minerals Exploration
Washington 25, D. C.

Re: OME-6104 (Nickel)
Crawford Pond, et al, Prospects
Knox County, Maine
Contract 2123

Dear Mr. Fumich:

Enclosed are four signed copies of Amendment No. 1 to the subject contract.

We shall appreciate it if you will change your records for our mailing address from P. O. Box 1019, Troy, New York to P. O. Box 23, Alexandria, Virginia, as our Troy, New York office was discontinued permanently on May 1.

Sincerely yours,

ROLAND F. BEERS, INC.

Roland F. Beers

Roland F. Beers
President

rfb/h
Enclosures (4 copies)

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
8/14	Holt	500
	Maxwell	500
8/14	Talbert	800
8/14	Selbrede on leave	130
8/16	Johnson	110
8-16	Fumich	100
8-16	gad	220
		500

AUG 1 6 1961

Dr. Roland F. Beers
Roland F. Beers, Inc.
P. O. Box 1019
Troy, New York

Re: OHR-6104 (Wickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Mr. Beers:

Enclosed are the original and four copies of proposed Amendment No. 1 to the subject contract.

If this amendment meets with your approval, please sign all copies, retain the one marked for the Operator, and return the remaining copies to this office. If it does not meet with your approval, please return all copies to this office with your comments.

Sincerely yours,

George Fumich, Jr.

Director

Copy to:
Roland F. Beers, Inc.
P. O. Box 23
Alexandria, Virginia

SPHolt/gla
8-14-61
cc to: Director's Reading File
Review Committee
Docket
Region IV

P.S. We enclose two copies of Executive Order 10925 for your information.

43683

Government's Copy

EXPLORATION CONTRACT
ROLAND F. BEERS, INC.
OME-6104

AMENDMENT NO. 1

It is agreed this _____ day of _____, 1961, between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter referred to as the "Government," and Roland F. Beers, Inc., hereinafter referred to as the "Operator," that Contract No. 2123 (OME-6104), dated February 16, 1961, is amended, effective July 1, 1961, as follows:

1. In Exhibit A, Description of the Work, Stage I, add the following paragraph:

In addition to the holes stipulated above, drill an inclined hole from the shoreline approximately N. 72° W. minus 41° to a depth of 450 feet at coordinates 61.75 South plus 4.70 East.

2. In Exhibit A, Description of the Work, Stage II, second paragraph, fourth line, change Fig. 4 to Fig. 3.

3. In Exhibit A, Estimated Costs, Stage I, Category (1), third line, change "land" to "shoreline."

4. In Exhibit A, Estimated Costs, Stage II, Category (1), third line, change "land" to "shoreline."

5. Article 12, Nondiscrimination, of the contract is hereby deleted and the following is added to the contract in substitution therefor:

Do Check →

Except in contracts exempted in accordance with section 303 of this order, all government contracting agencies shall include in every government contract hereafter entered into the following provisions:

"In connection with the performance of work under this contract, the Operator agrees as follows:

"(1) The operator will not discriminate against any employee or applicant for employment because of race, creed, color, or national origin. The operator will take affirmative action to ensure that applicants are employed, and that

MME FORM 6 REFERENCE SI
REV. 2-59 OFFICE OF MINERALS EXPL ATION

TO:	DATE	INITIALS
1. Mr. Johnson		
2.		
3.		
4.		
5.		
FROM: Talbert		

Re: OME-6104

FOR: Check items for action desired

____ Action ____ Reply for signature of ____
____ Approval ____ Investigate ____ Surname
____ Comment ____ Recommendations ____ Signature
____ Conference ____ Rewrite ____ File
____ Instructions ____ Your information

REMARKS: The 1st paragraph following colon in Art. 5 of Amend. No. 1 seems inappropriate.

Talbert
8/24/61

Should enclose copy of 20.10925 for Director

INT.-DUP. SEC., WASH., D.C. M56300-59

Extra Copy

EXPLORATION CONTRACT
ROLAND F. BEERS, INC.
OMI-6104

AMENDMENT NO. 1

It is agreed this _____ day of _____, 1961, between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter referred to as the "Government," and Roland F. Beers, Inc., hereinafter referred to as the "Operator," that Contract No. 2117 (OMI-6104), dated February 16, 1961, is amended, effective July 1, 1961, as follows:

1. In Exhibit A, Description of the Work, Stage I, add the following paragraph:

In addition to the holes stipulated above, drill an inclined hole from the shoreline approximately N. 75° W. where 41° to a depth of 450 feet at coordinates 61.75 South plus 4.70 West.

2. In Exhibit A, Description of the Work, Stage II, second paragraph, fourth line, change Fig. 4 to Fig. 3.

3. In Exhibit A, Estimated Costs, Stage I, Category (1), third line, change "land" to "shoreline."

4. In Exhibit A, Estimated Costs, Stage II, Category (1), third line, change "land" to "shoreline."

5. Article 12, Nondiscrimination, of the contract is hereby deleted and the following is added to the contract in substitution therefor:

Except in contracts exempted in accordance with section 303 of this order, all government contracting agencies shall include in every government contract hereafter entered into the following provisions:

omitted

"In connection with the performance of work under this contract, the Operator agrees as follows:

"(1) The operator will not discriminate against any employee or applicant for employment because of race, creed, color, or national origin. The operator will take affirmative action to ensure that applicants are employed, and that

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SOLICITOR
WASHINGTON 25, D. C.

IN REPLY REFER TO:

AUG 11 1961

Memorandum

To: Director, Office of Minerals Exploration

From: Associate Solicitor, Division of Mineral Resources

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

The proposed Amendment No. 1 submitted with your memorandum of July 27, 1961, has been reviewed and prepared in final form. The Director, Division of Property Management has indicated his belief that proposed Amendment No. 1 represents a "change in substance" in the original contract within the meaning of P & S Letter No. 142, Supplement No. 2, dated July 13, 1961. We have, therefore, provided in the amendment for deletion of Article 12 of the contract and for insertion in substitution thereof the nondiscrimination provisions required by Section 301 of Executive Order No. 10925 of March 6, 1961.

for: C. Stuart Brown
Associate Solicitor
Division of Mineral Resources

Attachment

Form 7
-58)

OFFICIAL FILE COPY

Date	Surname	Code
8/11	Selfridge	120
	Edwards	500
	Holt	500
8/11	Felbert	800
11	Johnson	100
8-11	Kennedy	110
8-14	gad	220

AUG 1 1 1961

Mr. Donald E. Wyke
District Manager
Roland F. Beers, Inc.
Rockport, Maine

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al.,
Prospects
Knox County, Maine
Contract 2123

Dear Mr. Wyke:

To confirm our telephone conversation of yesterday, you are authorized to drill the four holes under Stage II of the contract at Traverses 46, 48, and 50 S. Drilling will be initiated on Traverse 48 S at the inclination necessary to penetrate the conductor. The remainder of the holes shall be drilled in the order suggested by the results obtained at Traverse 48 S.

Sincerely yours,

/s/ George C. Selfridge

(GCS)

Chief, Division of Field Operations

Copy to: Roland F. Beers, Inc.
P. O. Box 23
Alexandria, Virginia

GCSelfridge/hb (8/11/61)
Copy to: Docket OME-6104
Director's Reading File
R.A.Laurence, USGS, Knoxville
Code 500
G.C.Selfridge
Code 500

43683

MME Form 7
(10-58)

R. ✓

INTERIOR DEPT.
AUG 1 5 1961
SOLICITOR

August 11, 1961

OFFICIAL FILE COPY

Date	Surname	Code
8/11	GCS	120
8/14	Holt	500
	Laurence	500
8/14	Talbut	800
		110
		100
		220
		500

Memorandum to the File

From: Chief, Division of Field Operations, OME

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Mr. Wyke, the Operator's representative, telephoned on August 10, asking permission to start Stage II under the contract. He reported that Hole E-64-2 penetrated the same vein as E-64-1 did, and that the core exhibited 5' 8" of massive sulphide between 322' and 327' 10". No discernable peridotite was identified. The hole was drilled in a N. 72° W direction at minus 60°. The section between 322' and 328' was sent for assay. The writer approved the four drill holes at Traverses 46, 48, and 50 S. The drilling will be started with the hole on Traverse 48 S. The remaining holes will be drilled in the order suggested by prior results.

George C. Selfridge

GCSelfridge/hb (8/11/61)
Copy to: Docket OME-6104
Director's Reading File
R. A. Laurence, Region IV
Code 500
Code 800
G.C.Selfridge

FROM SOLICITOR
AUG 1 5 1961
FOR SIGNATURE

43683

ROLAND F. BEERS, INC.
POST OFFICE BOX 23
ALEXANDRIA, VIRGINIA

TELEPHONE
KING 9-2910

OFFICIAL FILE COPY
O. M. E.
RECEIVED AUG 15 1961
OFFICE
ROCKVILLE STREET

DATE	INITIALS	CODE
		~~100~~
8/15	[illegible]	800
		~~500~~
8/30	Hart	500

August 7, 1961

United States Department of the Interior
Office of Minerals Exploration
Washington 25, D. C.

Attention: Mr. George C Selfridge

Re: OME-6104 (Nickel)
Crawford Pond, et al, Prospects
Knox County, Maine
Contract 2123

Dear Mr. Selfridge:

Enclosed are four copies of amended drill log for Hole No. E-64-1, This amendment includes the descriptive material for the core in the section 341' 5" to 357' 10" which was ommitted in the drill log submitted with the narrative report for June, 1961.

The casing charges shown on the drilling contractor's statements for May and June, 1961, are the charges for casing left in drill holes at our request. The charges for this casing were not included in the Operator's Monthly Vouchers.

Union Assay Office, Inc's. charges for assays were increased effective July 1, 1961. A comparison of the old and current rates follows:

Determinations:	Rates prior to 7/1/61	Rates after 6/30/61
Copper, Iron & Sulphur	$1.00	$1.50
Nickel	4.00	5.00
Cobalt	5.00	6.00

note

A copy of Union Assay's July 1, 1961 price list is enclosed for your files.

Please inform me if the unit costs stipulated in the contract for assays are maximums. If not maximums then the charge on the June 1961 Operator's Voucher for nickel and cobalt assays should read as follows:

10 Assays at $9.00	$90.00
9 Assays at $11.00	99.00
	$189.00

This change will increase the total cost to $4,596.98 for the June Voucher.

We will abide by your wishes as to the number of copies of MME Form 60, MME Form 61 and the narrative report to be submitted and, as to the classification of assays on Forms 60 and 61.

Sincerely yours,

John S. Bakos

John S. Bakos
Controller

JSB/eb

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
8/2	Selfridge	120
	Wilson	500
8/2	Talbut	800
"	Johnson	110
8/2	Fennell	100
8/2	gad	220
8/3	Holt	500

AUG 2 1961

Mr. Donald E. Wyke
District Manager
Roland F. Beers, Inc.
Rockport, Maine

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Mr. Wyke:

Reference is made to your letter of July 13, 1961, to me.

Will you please send me the ore intercepts as you selected them for assaying on Drill Hole No. E-62-1.

When the contract was written it was for the old series of BXWL core which was considered equivalent in size to standard AX core. Thus, AX core meets the requirements of the contract.

I shall be interested in learning the results of the second hole drilled on Traverse 64 S.

I wish to thank you for the courtesies shown me on my recent trip to the project.

Sincerely yours,

(S) George C. Selfridge (SHB)

Chief, Division of Field Operations

Copy to: Roland F. Beers, Inc.
P. O. Box 23
Alexandria, Virginia

GCSelfridge/hb (8/2/61)
Copy to: Docket OME-6104
Director's Reading File
R.A.Laurence, USGS, Knoxville
Code 500
G.C.Selfridge

43683

OFFICIAL FILE COPY

Date	Surname	Code
7/27	Holt	500
		140

July 27, 1961

Memorandum

To: Associate Solicitor, Division of Mineral Resources

From: Chief, Division of Minerals

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Attached is a draft of a proposed Amendment No. 1 to the above-captioned contract for your use in preparing it in final form.

The proposed amendment does not appear to be of sufficient substance to require the amending of Article 12, Nondiscrimination, in keeping with Executive Order 10925.

Should this decision appear questionable, then please amend the article in keeping with our present contracts.

Attachment

SPHolt/gla
cc to: Docket

43683

DRAFT 7/27/61
SPRolt/gla

DOCKET COPY

EXPLORATION CONTRACT
ROLAND F. BEERS, INC.
OME-6104

AMENDMENT NO. 1

It is agreed this _____ day of _____, 1961, between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter referred to as the "Government," and Roland F. Beers, Inc., hereinafter referred to as the "Operator," the Contract No. 2123 (OME-6104), dated February 16, 1961, is amended, effective July 1, 1961, as follows:

1. In Exhibit A, Description of the Work, Stage I, add the following paragraph:

In addition to the holes stipulated above, drill an inclined hole from the shoreline approximately N. 72° W. minus 41° to a depth of 450 feet at coordinates 61.75 South plus 4.70 East.

2. In Exhibit A, Description of the Work, Stage II, second paragraph, fourth line, change Fig. 4 to Fig. 3.

3. In Exhibit A, Estimated Costs, Stage I, Category (1), third line, change "land" to "shoreline."

4. In Exhibit A, Estimated Costs, Stage II, Category (1), third line, change "land" to "shoreline."

This amendment shall not be construed to increase the amount of any item designated as maximum, the fixed unit cost of any item of work, the estimated total cost of the contract, or the aggregate total amount which the Government may be required to contribute.

Executed in quintuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By_____
Director, Office of Minerals Exploration

ROLAND F. BEERS, INC.
By_____
Title_____

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
7/27	GCS	120
6/28	HoCt	500
	Hiawsed	500
7/28	Talbert	800
"	Gilmore	110
7-28	Tarnch	100
7-28	gad	220
		500

JUL 28 1961

Mr. John S. Bakos
Controller
Roland F. Beers, Inc.
P. O. Box 23
Alexandria, Virginia

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Mr. Bakos:

In the future it will not be necessary to submit more than four copies each of MME Form 60, MME Form 61, and the narrative report.

Charges for assays should be listed under (7) Miscellaneous: Analytical Work, on MME Form 60 and at the bottom--Analytical Work--on MME Form 61.

In the narrative report the drill log for Hole No. E-64-1 did not include the descriptive material for the core from 340' 5" to 350' 0" in the section 341' 5" to 337' 10" on page 3 of the log.

For future reference in relation to an audit review, will you please inform us whether the casing charges shown on the drilling contractor's statements represent charges for last casing or for casing left in the hole at the request of the operator. This distinction should also be made in all future reports.

In the June narrative report the assay report of the Union Assay Office, Inc., dated June 26, 1961, lists assays at the costs stipulated by the contract. In the same report the assay certificate from the same company dated July 6, 1961, shows an over-all increase in charges. Can you inform us which specific determinations bore the increased costs?

An amendment covering the extra hole approved and drilled under Stage I of the contract will be sent to you shortly.

Sincerely yours,

/s/ George C. Selfridge

Chief, Division of Field Operations

GCSelfridge/hb (7/27/61)
Copy to: Docket OME-6104
Director's Reading File
RALaurence, USGS, Knoxville
CA&A Division
GCSelfridge
Code 500

43683

OFFICIAL FILE COPY

Date	Surname	Code
7/24	Selfridge	120
7/24	Flo Off	500
	Hanwell	500
7/24	Talbert	800
"	Johnson	110
7-26	Turner	100
7/25	gad	220
		500

MME (10

JUL 24 1961

Memorandum

To: Chief, Fiscal Section
Division of Administrative Services
Office of the Secretary

From: Chief, Division of Field Operations, OME

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Enclosed are the original (with supporting documents) and two copies of MME Form 60 and the original and two copies of MME Form 61 covering work performed during June 1961.

The AX core which the Operator lists meets the specifications for the BX core stipulated in the contract.

It is considered that the work performed complies with the intent of the contract and is acceptable to the Government.

The work performed during the month was on both actual cost and fixed unit cost bases.

Subject to verification of arithmetical accuracy of the report, it is recommended that the Operator be reimbursed for $2,289.49, which is 50 percent of the monthly total shown on MME Form 60.

/s/
George C. Selfridge

Attachments

GCSelfridge/hb *(7/24/61)
Copy to: Docket OME-6104
Director's Reading File
Region IV w/cys of attachments
CA&A Division
GCSelfridge
Code 500

941.85

43683

OFFICE AND LABORATORY:
447 PINEWOODS AVENUE
PHONE ASHLEY 2-2351

ROLAND F. BEERS, INC.

July 13, 1961

MAIL ADDRESS: CODE
~~POST OFFICE BOX 1019~~
TROY, NEW YORK

OFFICIAL FILE COPY
O. M. E.
RECEIVED JUL 18 1961

DATE		
7-18		110
"		110
		800
	Received	500
		500

Mr. George Selfridge
Chief of Field Operations
Room 4459
New Interior Building
Washington 25, D. C.

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

cy sent to IVO.

Dear Mr. Selfridge:

I have received your letter of July 12, 1961 confirming the oral permission of July 1 with respect to the fifth drill hole of the Stage I program- this hole has been designated as E-62-1.

The available data on this drill hole is as follows:

Drill Hole No.:	E-62-1
Location:	61.75 South + 4.70 East Crawford Pond Ice Grid Coordinates
Angle:	-41°
Bearing:	N. 72° W.
Depth:	Estimated 450'
Elevation:	110' above sea level (lake level)
Date:	7/1/61 to

The drill is mounted on the drilling barge which is anchored at the edge of the lake. The E. M. cross-over is at 1.5 East on Traverse 62 South and is interpolated as 1.6 East on Traverse 61.75 South. The 61.75 South Traverse was chosen to split the distance between Drill Holes E-64-1 to the south and E-60-1 to the north. The 41° angle is designed to strike the center of the ore horizon beneath the E. M. cross-over at approximately 147 feet below sea level. Although a 39.5° hole angle was ideal, the 41° angle was chosen because acid tests have provided evidence that the holes tend to come up 1° in 300 feet of drill hole depth.

The information required in the Stage I drilling program will have been provided with the completion of Drill Hole E-62-1. When this drill hole is completed it is estimated that approximately 2200 feet of Stage I drilling will have been used, leaving 1300 feet unused. It may be geologically advisable at a later date to request the transfer of this remaining footage to the Stage II program. At the present time there are two possible areas that may require additional footage:

1. In the area on the east side of Crawford Pond between Traverses 55 South and 60 South. Here, veins containing abnormally high nickel values lead into the mineralized sill beneath the pond. If vertical holes in this area continue to

See reply 8/2/61

MME FOI 6 REFERENCE SLIP
REV. 2-59 OFFICE OF MINERALS EXPLOR C

TO:	DATE	INITIALS
1. 500		
2.		
3.		
4.		
5.		
FROM: 800		

FOR: Check items for action desired

____ Action ____ Reply for signature of _____
____ Approval ____ Investigate ____ Surname
____ Comment ____ Recommendations ____ Signature
____ Conference ____ Rewrite ____ File
____ Instructions ____ Your information

REMARKS: Re: Ltr. 7/13/61 ltr. OMC-6104
What is the contractual authority for a Stage I hole E-62-1 in the indicated location. Contract is specific as to hole nos. & locations. An inclined hole E-62-1 at indicated location is authorized for Stage II
Talbot 7/19/61

INT. DOCUMENT WASH., D.C. N56300-59

suggest an extension to the eastward, then one or more holes could be designed to provide information with respect to this possibility.

2. Additional footage may be needed on Alford Lake if the drilling in this area cuts basic rock containing satisfactory nickel values.

It has become necessary to clarify another part of the Contract. In Exhibit A under General Conditions, paragraph 2, it is stated that sludge samples will be taken. Since water circulation is necessary to obtain these sludge samples, it has been necessary at times to substitute AX rods for BXWL to regain circulation. The alternative was to cement the hole area where circulation was lost, which is an expensive operation involving waiting time. Several of the low angle holes of the Stage I program have drilled through the fractured zone near the top of the bedrock and loss of circulation was expected above the ore zone. Circulation was regained for the ore zone by reduction to AX rods, leaving the BXWL rods in the hole as casing. This method obtained the necessary sludge samples without the unnecessary cost of extensive cementing. In cases where AX core was obtained the AX contract price was charged by the L. & W. Drilling Company which also submitted the lowest AX bid. This procedure was adopted in the field in accordance with good mining practice and formal approval is requested to justify the position of the Operator.

It is expected that similar trouble will be encountered with Drill Holes E-46-1 and E-68-1 in the Stage II drilling if they are drilled as proposed on Attachment F.

Sincerely yours,

Donald E. Wyke

District Manager, Roland F. Beers, Inc.

rw:DEW

OFFICIAL FILE COPY

Date	Surname	Code
7/12	Selfridge	120
	Dismuke	500
7/12	Johnson	110
7-12	Tomich	100
7-12	gad	220
7/12	[illegible]	500

JUL 1 2 1961

Mr. Donald E. Wyke
District Manager
Roland F. Beers, Inc.
Rockport, Maine

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Mr. Wyke:

As I have not heard from you, I am confirming the oral permission given you on July 1 to drill an intermediate hole midway and north of the hole drilled that intersected only 4 feet of mineralization. #E-55-1

The Contract does not provide for the transfer of unused footage from Stage I to Stage II. However, if geologically justified, the Contract can be amended to do so.

Sincerely yours,

/s/ George C. Selfridge

Chief, Division of Field Operations (HB)

GCSelfridge/hb (7/12/61)
Copy to: Docket OME-6104
Director's Reading File
RALaurence, Region IV
Code 500
G. C. Selfridge

43683

OFFICIAL FILE COPY

Date	Surname	Code
7/3	GCS	120
7/5	FEO	110
7/5	[illegible]	100
7-5	gad	520
7/6	[illegible]	500

July 3, 1961

Memorandum to the File:

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al.,
Prospects
Knox County, Maine
Contract 2123

On July 1 Mr. Donald E. Wyke, the operator's engineer, called the writer at his home asking for permission to drill an intermediate hole between two holes drilled under the contract. He explained that two more holes had been completed in June. The first had penetrated a goodly amount of massive sulphide. The second, apparently at coordinate E 64, had penetrated only 4 feet of mineralized rock. The hole had been aimed at the center of the geophysical anomaly. Mr. Wyke could not be sure whether the basic rock mass had narrowed or the hole had passed either over or under the ore body. The drilling of an intermediate hole and a more steeply inclined hole was discussed. Permission was granted to drill this fifth hole intermediate to holes already drilled which, if it penetrated ore, would extend the ore body from 200 to 250 feet further south.

Mr. Wyke also asked if footage from Stage I could be used under Stage II should drilling at Alford Lake warrant additional drilling. The writer informed Mr. Wyke that he would have to review the contract before answering. He mentioned that if the contract did not permit this transfer of footage, it probably could be amended to do so if geologically justified.

The writer asked Mr. Wyke to submit a short paragraph giving the details of the location of the fifth hole.

George C. Selfridge

GCSelfridge/hb (7/3/61)
Copy to: Docket OME-6104
Director's Reading File
G.C.Selfridge
Reg. IV

43683

OFFICIAL FILE COPY

Date	Surname	Code
6/26	[illegible]	120
6/26	[illegible]	500
	[illegible]	500
6/26	Johnson	110
6/26	[illegible]	100
		[illegible]
6/26	gad	220
		100

JUN 2 6 1961

Mr. John S. Bakos
Controller
Roland F. Beers, Inc.
P. O. Box 1019
Troy, New York

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Mr. Bakos:

Will you please submit three copies of a small map showing the land covered by Lease No. 9.0-1-128, Sidney M. and Katherine H. Bird, in relation to the immediately adjacent properties covered by the contract.

Please be reminded that the initiation of work under Stage II requires the prior approval of the Government.

Tentatively, I plan to visit the project in the very near future. Will you please furnish me the information concerning the point closest to the project which can be reached by public transportation.

Sincerely yours,

(S) George C. Selfridge (SHP)

Chief, Division of Field Operations

GCSelfridge/hb (6/23/61)
Copy to: Docket OME-6104
Director's Reading File
Donald E. Wyke, District Manager
Rockport, Maine
Region IV
Review Committee
G.C.Selfridge
Code 500

43683

Form 7
(0-58)

OFFICIAL FILE COPY

Date	Surname	Code
6/19	GCS	120
6/19	S.P.H.	500
	[illegible]	500
6/19	Talbert	800
"	Johnson	110
6/19	Pinnick	100
6/19	gad	220
		500

JUN 19 1961

MEMORANDUM

To: Chief, Fiscal Section
Division of Administrative Services
Office of the Secretary

From: Chief, Division of Field Operations, OME

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Enclosed are the original (with supporting documents) and two copies of MME Form 60 and MME Form 61, and copies of the Operator's Narrative Report covering the work performed during May 1961.

It is considered that the work performed complies with the intent of the contract and is acceptable to the Government.

The work performed during the month was on both actual cost and fixed unit cost bases.

Subject to verification of arithmetical accuracy of the report, it is recommended that the Operator be reimbursed for $2,319.35 which is 50 percent of the total shown on MME Form 60.

/s/ George C. Selfridge

Attachments

(SHB)

GCSelfridge/hb (6/20/61
Copies to: Docket OME-6104
Director's Reading File
Region IV w/copy of attachments
CA&A Division
GCSelfridge
Code 500

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
5/2	Holt	500
	Drowell	500
5/3	GCS	120
4	Johnson	110
5/3	gal	220
		500

MAY 3 1961

Mr. Donald E. Wyke
District Manager
Roland F. Beers, Inc.
Rockport, Maine

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Mr. Wyke:

We note from your letter of April 26, 1961, that actual drilling on the project mentioned above was to start on or before May 1, 1961.

Your proposal to begin the drilling with hole E 60-2 is approved.

Sincerely yours,

/s/ George C. Selfridge

Chief, Division of
Field Operations

Copy to: Roland F. Beers, Inc.
P. O. Box 1019
Troy, New York

SPHolt/gla
5-2-61
cc to: Director's Reading File
Mr. Selfridge
Region IV w/cy Mr. Wyke's letter 4/26/61
Docket

43683

ROLAND F. BEERS, INC.

OFFICE AND LABORATORY:
447 PINEWOODS AVENUE
PHONE ASHLEY 2-2351

MAIL ADDRESS:
POST OFFICE BOX 1019
TROY, NEW YORK

April 26, 1961

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAY 1 1961

DATE	INITIALS	CODE
5-1	gad	1 V O
		1 V O
5/1	[illegible]	800
"	Griswold	500
	Hart	

Mr. George Selfridge
Chief of Field Operations
New Interior Building
Room 4459
Washington 25, D. D.

Re: Docket No. OME - 6104
Commodity: Nickel
Contract: 14-23-090 - 2123
County: Knox
State: Maine

Agent: Roland F. Beers, Inc.
2520 Oakville Street
Alexandria, Virginia

District Representative:
D. E. Wyke
Rockport, Maine
Telephone: CEdar 6-2675

Dear Sir:

This letter constitutes formal notice that Roland F. Beers, Inc. is preparing to carry out the operations with respect to the above contract.

At this date the drilling equipment is standing by until "ice-out before moving on location on the east side of Crawford Pond. Ice-out date for the last two years has been realized by the 25th of April; however, this winter season was more severe to the extent that 6 to 8 inches of extra ice formed. The ice-out date will fall a few days later this year but it is expected that actual drilling will begin on or before May 1, 1961.

The drilling program is essentially started but since it is circumstantially coincidental that the starting date falls close to May 1 st it is assumed best for all concerned that this date be accepted.

It is the intention of the agent to initiate this drilling program with Drill Hole E-60-2 (see attachment F of Application contract). = Fig. 3 of Contract It is desirable that the information to be gained from this drill hole be acquired early in the program. This -60° drill hole will provide information relative to the attitude, depth, and width of the ore in this area of interest.

This letter follows a telephone conversation with Mr. Griswold in which he suggested that communication be established with you concerning this contract. Once again we look forward to pleasant negotiations with OME representatives and will endeavor to present clear information for your consideration prior to asking for your decisions.

Sincerely yours
Donald E. Wyke

Donald E. Wyke
District Manager

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/24	Holt	500
	Manuel	500
4/24	Tadbury	800
4/24	Selfridge	220
		110
4/24	gad	220
		500

APR 2 4 1961

Mr. John S. Bakos
Assistant Secretary
Roland F. Beers, Inc.
P. O. Box 1019
Troy, New York

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Mr. Bakos:

Enclosed is a supply of MME Forms 60 and 61 for your use in preparing monthly reports of work under the subject contract. Please advise us as to the starting date of contract work and forward monthly reports and vouchers to this office.

Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Director

Enclosures

SPHolt/gla

4-24-61
cc to: Director's Reading File
Region IV
Docket

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/20	Holt	500
	Hrarud	500
4/20	Talbot	800
4/20	[illegible]	120
"	Johnson	110
4/20	gad	220
		500

APR 20 1961

Memorandum

To: Chief, Fiscal Section
Division of Administrative Services
Office of the Secretary

From: Chief, Division of Field Operations

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Forwarded is a copy of the Performance Bond, dated February 16, 1961, in the amount of $24,093.00, received from the subject Operator, to be attached to the Fiscal Section's copy of the contract.

/s/
George C. Selfridge

(2/B)

Attachment

GLAult/a

4-20-61
cc to: Director's Reading File
Mr. Selfridge
Contract Adm. & Audit Division) w/cy Mr. Bakos' letter
Region IV) and cy Performance Bond
Docket

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/20	Hall	500
	Drewes	500
4/20	Talbutt	800
4/20	Selfridge	120
		110
4/20	gad	220
		500

APR 2 0 1961

Mr. John S. Bakos
Assistant Secretary
Roland F. Beers, Inc.
Post Office Box 1019
Troy, New York

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
Contract 2123

Dear Mr. Bakos:

Thank you for your letter of April 17, 1961, enclosing the original and three copies of the Performance Bond, dated February 16, 1961. These copies have been attached to the Government copies of the subject contract.

Sincerely yours,

(signed) FRANK E. JOHNSON
Acting Director

GLAult/a
4-20-61
cc to: Director's Reading File
Region IV
Contract Adm. & Audit Division
Docket

8623

ROLAND F. BEERS, INC.

OFFICE AND LABORATORY:
447 PINEWOODS AVENUE
PHONE ASHLEY 2-2351

MAIL ADDRESS:
POST OFFICE BOX 1019
TROY, NEW YORK

April 17, 1961

OFFICIAL FILE COPY
O. M. E.
RECEIVED APR 18 1961

DATE	INITIALS	CODE
4/18	gad	VVO
"	Hoet S.P.H.	VOO

United States Department of the Interior
Office of Minerals Exploration
Washington 25, D. C.

Attention: Mr. Frank E. Johnson, Acting Director

Dear Mr. Johnson:

Enclosed are four copies of the performance bond for contract No. 14-23-090-213 (Docket OME-6104) relating to work on the nickel prospect in Knox County, Maine.

Sincerely yours,

ROLAND F. BEERS, INC.

John D. Bakes

Assistant Secretary

jsb/h
Enclosures (4)
cc: D. E. Wyke

(Original Performance Bond attached to Government's copy of contract)

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
2/16	Holt	500
	Griswell	500
2/16	Talbert	800
2/16	Selfridge	130
		110
2/17	Cac	220
		500

FEB 16 1961

Dr. Roland F. Beers
President
Roland F. Beers, Inc.
P. O. Box 1019
Troy, New York

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine

Dear Dr. Beers:

We have received the five signed copies of the proposed exploration contract for the prospects mentioned above, forwarded with your letter of February 9, 1961. This contract has been signed for the Government. Enclosed is the Operator's copy.

As discussed in our conference of January 31, 1961, the starting date and the period for completion of the work can be extended, if necessary, upon your request. However, no funds can be paid by the Government under this contract until we have received a performance bond as required under Article 2(b) of the contract form.

Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Director

Enclosure

sPHolt/FEJohnson/gla
2-16-61
cc to: Director's Reading File
Review Committee
Region IV (w/Field Officer's copy of contract)
Docket
Chron

43683

ROLAND F. BEERS, INC.

OFFICE AND LABORATORY:
447 PINEWOODS AVENUE
PHONE ASHLEY 2-2351

MAIL ADDRESS:
POST OFFICE BOX 1019
TROY, NEW YORK

OFFICIAL FILE COPY
O M E
RECEIVED FEB 13 1961

DATE	INITIALS	CODE
2-13	gad	VVO
"	Hoet	500

February 9, 1961

Mr. Frank E. Johnson, Acting Director
Office of Minerals Exploration
Washington 25, D. C.

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine

Dear Mr. Johnson:

Following my visit to your office on January 31, 1961, we have executed and return to you herewith five copies of the contract captioned above.

We are not certain as to the date on which we will be able to begin work on this prospect. Because of this uncertainty, we suggest that the dates be arranged by your office so as to allow for the delay. While a delay of ninety days might be sufficient, there is no certainty now that we would be ready to begin on that date. Therefore, we will leave the arrangements to your decision on this point.

We appreciate your kind cooperation and look forward to working with your organization in the near future.

Sincerely,

ROLAND F. BEERS, INC.

Roland F. Beers

Roland F. Beers
President

rfb/h
Enclosures (5)
cc: Dr. Robert S. Young
D. E. Wyke

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
12/29	Holt	500
	Cusmol	500
12/30	Talbert	800
12/30	[illegible]	1204
12/30	Coe	220
		500

DEC 30 1960

Mr. John S. Bakos
Assistant Treasurer
Roland F. Beers, Inc.
P. O. Box 1019
Troy, New York

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine

Dear Mr. Bakos:

Replying to your letter of December 28, 1960, under the proposed contract the average unit costs set forth under Category (1) in Exhibit A are maximums. The Government's contribution to such costs will be on the basis of reasonable and necessary actual costs, not in excess of such maximums. Therefore, it will not be necessary to revise the cost estimates in the proposed contract.

Sincerely yours,

/s/ George C. Selfridge

Acting Director

SPHolt/gla
12-30-60
cc to: Director's Reading File
Region IV (with copy incoming letter dated Dec. 28, 1960)
Docket
Chron

43683

ROLAND F. BEERS, INC.

OFFICE AND LABORATORY:
447 PINEWOODS AVENUE
PHONE ASHLEY 2-2351

MAIL ADDRESS:
POST OFFICE BOX 1019
TROY, NEW YORK

December 28, 1960

OFFICIAL FILE Copy
O. M. F
RECEIVED DEC 29 1960

DATE	INITIAL	
12/29	Cal	210
12/29	S.P.H.	500

Mr. George C. Selfridge
Office of Minerals Exploration
Washington 25, D. C.

Re: OME-6104 (Nickel)
Crawford Pond, et al Prospects
Knox County, Maine

Dear Mr. Selfridge:

I wish to thank you for the original and four copies of the proposed contract for the captioned project.

On December 22 we sent you amendment No. 2 for Attachment H to the application on the cited project. This amendment reflects the lower drilling proposal which was submitted by L. & W. Drilling Company, Inc.

Please let us know whether or not the cost estimate of the proposed contract will be amended to incorporate the L. & W. Drilling Company, Inc. bid.

Sincerely yours,

ROLAND F. BEERS, INC.

John S. Bakos

John S. Bakos
Assistant Treasurer

jsb/h
cc: R. S. Young
D. E. Wyke

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
12/22	Holt	500
12/29	Talbut	800
		500
12/22	GCS	130
12/22	Coe	220
		500

Mr. John S. Bakos
Assistant Treasurer
Roland F. Beers, Inc.
P. O. Box 1019
Troy, New York

DEC 22 1960

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine

Dear Mr. Bakos:

Enclosed are the original and four copies, all unsigned and undated, of a proposed contract for the cited project. The contract consists of MME Form 50, Annex I (three pages), Exhibit A (five pages), and four maps.

Your attention is called to the last paragraph of the first page of Annex I and to the paragraph preceding the heading "General Conditions" on page one of Exhibit A. We have prepared the contract with these stipulations so that you may do work on other parts of the property without further delay caused by waiting for the submission of the Sidney M. Bird lease. When that lease is secured, please notify us promptly and submit copies of the lease so that the tract can be added to the lands of the contract.

In Article 1(c) you will note that the space for the rate of interest has been left blank. This will be filled in when the contract is executed. The interest rate will depend on whether execution of the contract is completed this month or in January 1961. Recently the rate has been approximately 6 percent. Interest accrues from the dates on which the individual payments are made by the Government and like the principal is payable from royalty on production.

If the contract meets with your approval, please sign all copies and return with the required Performance Bond to this office. Otherwise, please return all copies unsigned with your comments.

Sincerely yours,

SPHolt/gla 12-22-60
cc to: Director's Reading File
Review Committee
Docket
Chron
Region IV

/s/ George C. Selfridge
Acting Director

(24b)

Enclosures

43683

Extra copy

DRAFT
12/15/60
SPHolt/GCSelfridge/hb/gla

EXPLORATION CONTRACT
ROLAND F. BEERS, INC.
OMR-6104

ANNEX I

The land, including all rights pertaining thereto, referred to in Article 2 of the contract, consists of seven tracts of leased land and 62 mining claims located on State-owned public land, all situate in Knox County, Maine, and shown, outlined in red color, on map, Figure 2, entitled "Property Map, Crawford Pond and Alford Lake Areas, Knox County, Maine," which map is attached to and made part of the contract.

LEASED LAND

Lease No.		Acres
9.0-1-3	Arthur Anderson and Margaret Anderson	40
9.0-1-8	Harry A. Perpell and Kathryn V. Perpell	100
9.0-1-20	Winona E. Harriman and Paul P. Harriman	40
9.0-1-24	Knox Timber, Inc.	35
9.0-1-27	Earl R. Norwood and Lura B. Norwood	10
9.0-1-124	Elmer C. Hart and Lois M. Hart	24
9.0-1-125	Leroy G. Williams	10

In addition, should the Operator or any subsidiary thereof at any time prior to the termination of the exploration work acquire any right, title, or interest in or to that land--14 acres more or less--mentioned in the Application for Financial Assistance in Minerals Exploration under the Sidney M. and Daisy Bird lease, such land by amendment shall become part of this Annex I as of the date of the contract and be subject to all of the provisions thereof.

MINING CLAIMS

Sixty-two (62) mining claims located on the following Great Ponds:

	No. of Claims
Crawford Pond	40
Alford Lake	22
Total	62

Copies of the leases are contained in Dockets Nos. DMEA-4947 and OME-6104.

The 62 mining claims, shown on Figure 2 attached and made a part hereof, were located pursuant to State Permits and have been duly recorded in the office of the Maine Mining Bureau, Augusta, Maine.

The descriptions in the documents hereinbefore referred to, including mining claims, are incorporated herein by reference.

A Performance Bond in lieu of Consent to Lien and Subordination Agreements is attached and made a part hereof.

In the event the Operator or any subsidiary thereof at any time during the period expiring fifteen (15) years from the date of the contract acquires any right, title, or interest in or to any land situate within 1,500 feet of the exterior boundaries of any land that as of the date of this contract is subject to this contract, such land automatically, without amendment of this contract, shall become subject to the provisions of this contract as of the date of acquisition, and the Operator shall promptly notify the Government of such acquisition, furnishing a description of the land, the acreage involved, maps, and other data that may be required by the Government.

With respect to any land which is subject to this contract, the Operator may at any time not exceeding six months after the date of completion of the exploration work or termination thereof report and certify to the Government the following:

(a) That the land specified has no known value for mineral production; and

(b) That the Operator has surrendered or otherwise disposed of all its right, title, and interest in such land without consideration therefor other than relief from the cost of maintaining such right, title, or interest.

If the Government is satisfied with the representation and showing made by the Operator, it shall thereupon notify the Operator that the land may be and thereupon is freed from any obligations under the contract and may be considered as withdrawn from the land described in Annex I. However, should the Operator at any time reacquire any right, title, or interest in such land withdrawn from the contract, before the expiration of fifteen (15) years from the date of this contract, that land shall be considered as returned to Annex I and subject to all terms and provisions of the contract as long as it is in effect.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SOLICITOR
WASHINGTON 25, D. C.

December 14, 1960

Memorandum

To: W. R. Griswold, Chief, Division of Minerals
Attention: Stephen Holt

From: Associate Solicitor, Division of Mineral Resources

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine

Will you please submit a revised draft of Annex I to the subject contract. That received with your memorandum of November 17 has been discussed with OME officials and special situations sought to be covered have been considered, and it is desireable to have a consolidated revision suggested before going further.

Robert H. McPhillamey

Robert H. McPhillamey
Associate Solicitor
Division of Mineral Resources

Attachment

MME Form 7
(10-58)

OME-6104

OFFICIAL FILE COPY

Date	Surname	Code
11/30	Holt	500
		500
11/30	Selfridge	120
		110
		220
		500

Mr. John S. Bakos
Assistant Treasurer
Roland F. Beers, Inc.
P. O. Box 1019
Troy, New York

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine
and
DMEA-4947 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox and Lincoln Counties, Maine
Contract Idm-E1224

Dear Mr. Bakos:

To continue processing the application first mentioned above, we must have a copy of the Sidney M. Bird and Daisy Bird lease which you stated in your letter of November 9, 1960, would be forwarded within a few days.

Approval of your intention to surrender lands listed in your letters of November 21 and 23, 1960, concerning the above-mentioned contract (Idm-E1224) will be considered after processing of the new application (OME-6104) is completed.

It will be appreciated if you will forward a copy of the Sidney M. Bird lease as promptly as possible.

Sincerely yours,

Acting Director

SPHolt/gla
11-30-60
cc to: Director's Reading File
Region IV (w/one cy each Nov. 21 and 23 Opr.'s letters)
Docket OME-6104
Docket DMEA-4947
Chron

not sent

43683

ROLAND F. BEERS, INC.

OFFICE AND LABORATORY:
447 PINEWOODS AVENUE
PHONE ASHLEY 2-2351

MAIL ADDRESS:
POST OFFICE BOX 1019
TROY, NEW YORK

Official ~~Office~~ ~~OFFICIAL~~ FILE COPY
O. M. E
RECEIVED NOV 23 1960

DATE	INITIALS	CODE

Registered Mail No. 21573

File OME-6104

November 23, 1960

Mr. Frank Johnson, Acting Director
Office of Minerals Exploration
Department of the Interior
Washington 25, D. C.

Dear Mr. Johnson:

The following leased lands and State of Maine Mining Claims are a part of DMEA Docket -4947, Contract Idm E-1224, Crawford Pond, et al Prospects, Maine:

Leased Lands

Lease No.	Lessor	Acres
	Area 1	
9.0-1-3	Margaret and Arthur Anderson	40
	Area 2	
9.0-1-125	Leroy G. Williams	10
	Area 3	
9.0-1- 6	H. Amelia and James L. Dorman	32
8	Katherine V. and Harry A. Perpall	100
12	Pearl M. and C. R. Goderre	23
13	Avis P. and Benjamin H. Nichols	14

Mining Claims

Alford Lake — 11 claims
(Claims numbered 149, 153, 154, 156, 157, 160, 165, 167, 168, 174 and 175)

The aforementioned leased lands and mining claims are also a part of Docket Number OME-6104 - Application for exploration assistance.

We wish to reserve the right to cancel the aforementioned leases and claims as of November 30, 1960, the privilege granted to us under Amendment No. 13

and Termination Agreement for Docket No. DMEA-4947, if subsequent to November 30, 1960, the pending application for financial assistance Docket No. OME-6104 is not approved by the Office of Minerals Exploration.

Sincerely yours,

ROLAND F. BEERS, INC.

John S. Bakos

John S. Bakos
Assistant Treasurer

jsb/h
cc: R. S. Young
D. E. Wyke

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
11/17	Holt	500
		140

VR

INTERIOR DEPT.
NOV 18 1960
SOLICITOR

November 17, 1960

Memorandum

To: Associate Solicitor, Division of Mineral Resources

From: W. R. Griswold, Chief, Division of Minerals

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine

Please prepare in final form a contract for the subject project in accordance with the attached draft. The set of maps, also attached, Figures 1 through ~~5~~ 4, is to be attached to the original of the contract. Similar copies of maps will be attached to the remaining copies of the contract by this Division.

Attachments

GLAult/a
cc to: Docket
Chron

RECEIVED
NOV 18 1960
ASSOCIATE SOLICITOR
MINERAL RESOURCES

436

MME FORM 6 REFERENCE SLIP
REV. 2-59 OFFICE OF MINERAL EXPLORATION

TO:	DATE	INITIALS
1. Asso. Solicitor, Rm. 6042		
2. Mr. Holt, Rm. 4455		
3.		
4.		
5.		
FROM: W. R. Griswold ASSOC. SOLICITOR MINERAL RESOURCES		11/17

RECEIVED
NOV 18 1960

FOR: Check items for action desired

x Action	Reply for signature of	
x Approval	Investigate	Surname
Comment	Recommendations	Signature
Conference	Rewrite	File
Instructions	Your information	

REMARKS:

Note - Red outline of property on maps, Figs. 2 ~~and 3~~, and Lease No. and Acres for Sidney Bird lease in Annex I, will be completed when lease and sketch are received. S.P.H.

Fig. 2 will follow. Doris

INT.-DUP. SEC., WASH., D.C. M56300-59

DRAFT
SPHolt/gla
11-16-60

MME Form 50
Feb. 1959

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

DOCKET COPY

EXPLORATION CONTRACT
(Long Form)

Docket No.	Commodity	Contract No.	County	State
OME -6104	Nickel	14-23-090-	Knox	Maine

It is agreed _____ (Date), between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter called the "Government," and

Roland F. Beers, Inc., a New York corporation

_____,

whose mailing address is **P. O. Box 1019, Troy, New York**, hereinafter called the "Operator, as follows:

ARTICLE 1. Authority and scope.--(a) This contract, entered into under the authority of Public Law 701, 85th Cong., 2d sess. (72 Stat. 700; 30 U.S.C. § 641 - 646), consists of this form, the attached Annex I (land description), Exhibit A (work and costs), and the maps and documents listed. The work is a search for new or unexplored deposits of the commodity designated above. The Operator shall begin the work on or before _____ (Date), and, subject to the provisions of Article 9 and Exhibit A, shall either have completed the work within 8 months from the date of the contract or shall have incurred allowable costs (see Article 6) in a sum not less than the total cost set forth in Exhibit A.

(b) The total allowable cost of the work set forth in Exhibit A is $ 48,186.00. The Government will contribute 50 percent of the allowable costs as they are incurred, in a total sum not in excess of $ 24,093.00 in accordance with the provisions of Articles 3, 4, 5, and 6. "Costs incurred" means costs that have been paid or have become due and payable, or that the Government determines have become obligations.

(c) Interest computation.--Simple interest computed annually at the rate of _____ percent shall accrue from the dates Federal funds are made available until the period specified for payment of royalty expires, or until the amount of Federal funds contributed is fully repaid with interest.

(d) The Operator shall not transfer or assign this contract or any right or obligation thereunder without the written consent of the Government.

ARTICLE 2. Operator's rights in land.--(a) The Operator represents and undertakes that Annex I correctly describes the land which is the subject of this contract and the nature of the Operator's right of property and possession therein (whether as owner, lessee, or otherwise), and that such right, title, or interest is subject only to the following claims, liens, or encumbrances:

Interests of Lessors and the State of Maine

(b) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above and (if the Operator does not hold the legal title) the lien agreement of any holder of the legal title of the land (lessor, seller, optionor, etc.) are attached as follows:

A Performance Bond is attached in lieu of Lien and Subordination Agreements of the owners.

(c) The Operator shall preserve and maintain his right, title, or interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. The Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a royalty on production and liens for the payment thereof. Two true copies of such instrument shall be furnished to the Government. If the Government's rights to royalty as provided in Article 7 have been terminated, the provisions of this paragraph (c) shall become inapplicable.

ARTICLE 3. Performance of the work.--(a) Operator's responsibility.--The work shall be performed diligently, efficiently, in a workmanlike manner in accordance with good mining standards, and in compliance with State laws governing health, safety, and liability insurance covering employment. The Operator shall provide suitable and adequate equipment, facilities, materials, supplies, and labor to complete the work as specified in Article 1(a).

(b) Independent contracts.--To the extent that the allowable costs are estimated in Exhibit A with express reference to performance by independent contractors on a unit-price basis (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations), the work may be so performed (see Article 6(a), Category (1)). Any such independent contract shall refer to some specific and identifiable part of the work, and shall be subject to all of the pertinent terms and conditions of this exploration contract; but the Government shall not be considered a party thereto, and its rights under this contract, including the right to terminate its contributions, shall not be affected thereby. Regardless of the provisions of any such independent contract, the Government will participate in payments to the independent contractor only as to work performed in accordance with the provisions of this exploration contract, and only to the extent that the Government deems the unit prices for the work under the independent contract to be reasonable.

(c) Government may inspect.--The Operator shall consult with and inform the Government on all phases of the work as it progresses. The Government may enter at all reasonable times to inspect the work under the contract and production operations during the period that royalty is payable to the Government. The Operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 4. Contribution by the Government.--(a) The Government will make its contribution on the basis of the monthly vouchers referred to in Article 5(b), but all payments by the Government are provisional only, subject to audit. Until the account between the Operator and the Government is finally audited and settled and the Operator's final report has been received, the Government may withhold such sums as are necessary to protect its interests. The Government may make payments for the account of the Operator directly to independent contractors and suppliers rather than to the Operator.

ARTICLE 5. Reports, accounts, audits.--(a) Operator's records.--The Operator shall keep suitable records and accounts of the work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine all pertinent books, documents, papers, and records of the Operator. If work under this contract is carried on in conjunction with any other operations, or if labor, supervision, services, materials, supplies, equipment, facilities, or other requirements for carrying on the work are also used in connection with other operations, the costs shall be segregated and accounted for on a basis and by methods and accounts that are satisfactory to and approved by the Government.

(b) Monthly reports.--The Operator shall provide the Government with five copies of monthly reports in three sections as follows:

(1) Operator's Monthly Voucher claiming costs for work performed;

(2) Operator's Progress Report showing the number of units of the various types of work performed; and

(3) a narrative report of the work performed during the reporting period, including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground.

(Forms for reporting under (1) and (2) above will be provided by the Government.)

(c) Final report.--Upon completion of the work or termination of the Government's obligation to contribute to costs, the Operator shall furnish the Government with five copies of a final report (in addition to the final monthly report). This final report shall include a geological and engineering evaluation of the results of the work performed under the contract with an estimate of the ore reserves resulting from such work, complete assay data, adequate geological and engineering maps or sketches, and a summary of the work performed and the related costs.

(d) Report of sales.--The Operator shall provide the Government with suitable accounting and documentary evidence covering all production to which the Government's royalty relates, such as copies of smelter or concentrator settlement sheets and certified accounts of production and sale or other disposition of production.

(e) Compliance with requirements.--If the Government determines that any of the Operator's reports, records, or accounts are insufficient or incomplete, or if the Operator fails to make them, the Government may procure the preparation or completion of the same with suitable attachments as an expense of the work to which the Operator shall contribute. The Government may withhold approval and payment of any vouchers relating to insufficient or incomplete reports, records, or accounts.

ARTICLE 6. Costs.--(a) Allowable costs.--The allowable costs of the work to which the Government will contribute are limited to:

(1) the necessary, reasonable, and direct actual costs that are estimated in Exhibit A by categories as specified in this article; and

(2) fixed costs for units of work to be performed (per foot, per hour, etc.) agreed upon in lieu of actual costs and set forth in Exhibit A.

The Government will not contribute to costs under any category or subcategory omitted from the estimate of costs in Exhibit A. Any excess over any estimate which is indicated as the maximum of any category, subcategory, or item, either as to requirement or related cost; any excess over a fixed unit cost; and any excess over the total allowable cost of the work are not allowable. The Operator shall incur such excesses for his own account without contribution by the Government, but the Operator is not obligated to incur more than his agreed percentage of the total allowable cost of the work.

Any category or subcategory or element thereof not designated as a maximum in this article or in Exhibit A may be exceeded, provided that the total allowable cost of the work, which is a maximum, is not exceeded.

CATEGORY (1)--INDEPENDENT CONTRACTS.--(See Article 3(b)). The total of this category and the average unit cost estimated for each type of work to be performed under an independent contract are maximums.

CATEGORY (2)--PERSONAL SERVICES.

Subcategory (a)--Supervision and Technical Services--All elements of this subcategory (number of supervisors, technicians, outside consultants, periods of employment, rates of pay, and total) are maximums.

Subcategory (b)--Labor.

CATEGORY (3)--OPERATING MATERIALS AND SUPPLIES.--Includes such items as drill bits and steel, explosives, fuel, pipe, power, timber, rail, and small tools costing less than $50 each.

CATEGORY (4)--OPERATING EQUIPMENT.

Subcategory (a)--Rental.--The number of each rented item [6 mine cars, 1 truck], the rate of rental [$100 per month, $5 per hour], and the total of this subcategory are maximums.

Subcategory (b)--Purchases.--The total of this subcategory is a maximum.

Subcategory (c)--Depreciation.--All elements of this subcategory (time periods, rate of depreciation, and subcategory total) are maximums.

CATEGORY (5)--INITIAL REHABILITATION AND REPAIRS.--Costs of items listed under this category include all requirements, such as labor, materials and supplies, and supervision at a rate not higher than provided for in Category (2), and shall not be duplicated under any other category. The total of this category is a maximum.

Subcategory (a)--Initial rehabilitation and repairs of existing buildings, fixtures, and installations (exclusive of mine workings).--The total of this subcategory is a maximum.

Subcategory (b)--Initial rehabilitation and repairs of operating equipment.--The total of this subcategory is a maximum.

CATEGORY (6)--NEW BUILDINGS, FIXTURES, AND INSTALLATIONS (EXCLUSIVE OF MINE WORKINGS).--Costs of items listed under this category include all requirements, such as labor, materials and supplies, and supervision at a rate not higher than provided for in Category (2), and shall not be duplicated under any other category. The total of this category is a maximum.

CATEGORY (7)--MISCELLANEOUS.--Includes requirements and costs that do not fall within any of the first six categories, such as repairs other than initial and maintenance of operating equipment, analytical work, prints and other reproductions, accounting, Operator's share of payroll taxes, liability insurance covering employment, travel, and communications.

(b) Nonallowable costs.--The Government will not contribute to the following costs:

(1) Costs of the land, such as rental, depreciation, depletion, or other costs of acquiring, owning, or holding possession;

(2) Indirect costs, such as general overhead, corporate management, interest, taxes (other than payroll and sales taxes), insurance (other than liability insurance covering employment), damages to persons, damages to property (other than necessary repairs or replacements of equipment or other property used in the work);

(3) Previous work performed or costs incurred before the date of this contract; and

(4) Deferred payments.--Any costs incurred by the Operator under any rental-purchase agreement, installment-purchase agreement, or any agreement for the purchase of goods under the provisions of which payment of the full purchase price is deferred more than 90 days from the delivery of the goods, unless the purchase agreement is approved by the Government in writing.

(c) Reductions in costs.--The Operator shall account for and give the Government credit for any incidental benefits, credits, or money received in the ordinary course of business in prosecuting the work (as by salvage or sale of materials or equipment, furnishing of room or board, furnishing of power or services to third persons, rebates or discounts on purchases, etc.), in the same ratio in which the Government contributes to costs; and such amounts shall be treated as a reduction in costs incurred so that they are available for use within the limit of the original total cost. This provision does not apply to receipts from production which are subject to the Government's royalty under the provisions of Article 7.

ARTICLE 7. Repayment by Operator.--(a) Certification.--If the Government considers that mineral or metal production from the land covered by the contract may be possible as a result of the exploration work, it shall so certify in writing to the Operator at any time not later than six months after a sufficient final report and final accounting (see Article 5) have been furnished.

(b) Royalty on production.--The Operator, whether or not the producer (for example, if the Operator either transfers or does not retain his interest in the land), shall pay to the Government a royalty on all minerals and metals mined or produced from the land as follows:

(1) irrespective of any certification of possible production--from the date of the contract until the lapse of the time within which the Government may issue such certification or until the total net amount contributed by the Government is fully repaid with interest, whichever occurs first; or

(2) if the Government issues a certification of possible production--for a period of ten years from the date of the contract, or until the total net amount contributed by the Government is fully repaid with interest, whichever occurs first.

(c) Payment of royalty.--(1) The Government's royalty shall be five percent of the [redacted] gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrate, metal, or equivalent), at the point of delivery (the f.o.b. point); except, that charges of the buyer arising in the regular course of business and shown as deductions on the buyer's settlement sheets (such as treatment processes performed by the buyer, sampling and assaying to determine the value of the production sold, and freight payable by the buyer to a carrier (not the Operator)), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. No costs of the Operator are deductible in arriving at the "gross proceeds" as that term is here used.

The term "treatment processes" means those processes (such as milling, concentrating, smelting, refining, or equivalent, but excluding fabricating or manufacturing) applied to the crude ore or other production after it is extracted from the ground to put it into a commercially marketable form.

(2) The Government's royalty shall be computed and paid currently upon each lot sold, held, or used in integrated operations, as the case may be.

(d) Unsold production.--If any production (ore, concentrate, metal, or equivalent), after the lapse of six months from the date the ore was extracted from the ground, remains neither sold nor used by the Operator in integrated manufacturing or fabricating operations (for instance, if it is stockpiled), the Government, at its option, as long as it so remains, may require the computation and payment of its royalty on the value of such production in the form (ore, concentrate, metal, or equivalent) it is in when the Government elects to require computation and payment. If any production is used by the Operator in integrated manufacturing or fabricating operations before the Government makes its election, the Government's royalty on such production shall be computed on the value thereof in the form in which and at the time it is so used. "Value" as here used means what is or would be gross income from mining operations for percentage depletion purposes in Federal income tax determination or the market value, whichever is greater.

(e) Lien for payment.--To secure the payment of royalty (see Article 7(b)), the Operator hereby grants to the Government a lien upon his interest in the land and upon any production of minerals and metals therefrom until the royalty claim is extinguished by lapse or time or is fully paid.

(f) Notice to purchasers.--The Operator shall give notice of the Government's claim for royalty to any purchaser of the production, and shall authorize and direct such purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets. If the records of any production and sales or other disposition of production, whether the production is by the Operator or by others, are not made available to the Government, the amount of the royalty may be estimated by the Government, and this estimate shall be final and binding upon the Operator.

(g) No obligation to produce.--Nothing in this contract shall be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

(h) Government not obligated to buy.--Nothing in this contract shall be construed as imposing any obligation on the Government to purchase any minerals and metals mined or produced from the land.

ARTICLE 8. Interests in purchased property.--(a) Title and ownership.--All costs under this contract shall be incurred by the Operator in the Operator's own name and for the Operator's own account; but any property acquired to the cost of which the Government contributes shall belong to the Operator and the Government jointly in proportion to their respective contributions although title thereto shall be taken in the name of the Operator.

(b) Preservation of property.--Until the final disposal of any property in which the Government has an interest, the Operator shall preserve and protect same for the best interest of the Government, and any reasonable and necessary cost thereof will be treated as an allowable cost of the exploration. After the completion of the work, termination of the Government's obligation to contribute, or when such property is not being used for the work, the Operator shall not use it elsewhere without the written consent of the Government and without paying a reasonable rental to be fixed by the Government for its proportionate interest.

(c) Disposal of property.--Upon the completion of the work, termination of the Government's obligation to contribute to costs, or when the property is no longer needed for the work, the Operator shall promptly dispose of salable or salvageable property in which the Government has an interest for the joint account of the Government and the Operator, either by return to the vendor, sale to others, purchase by the Operator, or sale or transfer to the Government at a price at least as high as could be obtained from others, unless the Government in writing waives its interest in any such property. Without advance approval of the sales price by the Government, the Operator shall not sell at any price any item of property that cost more than $500, and shall not sell at less than 25 percent of the purchase price any item of property that cost $500 or less. The Government, in lieu of approving the sales price for any such item, may itself purchase the item at the best price which the Operator is able to obtain or offers. Property remaining upon any termination of the work shall be considered in groups or categories (such as drill steel, explosives, pipe, or rail), and if the original cost of the remaining unexpended portion of any such group or category is less than $50, the Government waives its interest therein. If necessary to accomplish the disposal of any item, the Operator shall dismantle and sever it from the land, the cost thereof to be treated as a cost of the exploration.

(d) Default of the Operator re disposal.--If within 90 days after the completion of the work, termination of the Government's obligation to contribute to costs, or after the property is no longer needed for the work, the Operator has failed to sell or otherwise liquidate or dispose of any property in which the Government has an interest, the Government, at any time prior to final settlement under the contract, may:

(1) in writing extend the time within which the Operator must dispose of or liquidate the property;

(2) by written notice to the Operator, place upon such property what it determines to be a fair valuation thereof, not in excess of the cost less 1.66 percent per month from the date such property was purchased under this contract to the termination of said 90-day period; and such property shall thereupon be considered and accounted for as having been purchased by the Operator at the valuation so fixed by the Government; and

(3) enter and take possession of such property wherever it may be found, and remove and dispose of it for the joint account of the parties.

ARTICLE 9. Termination of the Government's obligations.--(a) If the Government determines that operations at any time have failed to achieve anticipated results and further work is not justified, the Government may give the Operator written notice thereof, and thereupon:

(1) the Government shall be free of all obligation to contribute to costs not then incurred other than such as may be allowable under the provisions of the contract as necessary and incidental to final accounting and reporting; and

(2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to final accounting and reporting.

(b) If the Government determines that the Operator is in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon:

(1) the Government shall be relieved of all obligation to contribute to costs not incurred when the notice was given, other than such as may be allowable by the provisions of the contract as necessary and incidental to final accounting and reporting; and

(2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to final accounting and reporting.

The Government may also avail itself of any other remedy the law may provide for breach of contract, including the right to rescind the contract and to demand repayment of all moneys contributed by the Government under the contract.

(c) The giving of any notice by the Government under the provisions of this Article 9 shall not affect the Government's rights as provided for in the contract with respect to royalty and liens to secure the payment thereof, and such rights shall be fully preserved.

(d) The determinations of the Government are subject to appeal under Article 13.

ARTICLE 10. Notices to be given by the Government may be delivered to the Operator, or may be sent by certified mail addressed to the Operator at his mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 11. Officials not to benefit.--No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 12. Nondiscrimination.--In connection with the performance of work under this contract, the Operator agrees not to discriminate against any employee or applicant for employment because of race, religion, color, or national origin. The aforesaid provision shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Operator agrees to post hereafter in conspicuous places, available for employees and applicants for employment, notices to be provided by the Government setting forth the provisions of the nondiscrimination clause.

The Operator further agrees to insert the foregoing provision in all subcontracts hereunder, except subcontracts for standard commercial supplies or raw materials.

ARTICLE 13. Disputes.--Any dispute arising under this contract which is not disposed of by agreement shall be decided by the Director, Office of Minerals Exploration, who shall reduce his decision to writing and mail or otherwise furnish a copy thereof to the Operator. The decision of the Director, Office of Minerals Exploration, shall be final and conclusive unless, within 30 days from the date of receipt of such copy, the Operator mails or otherwise furnishes to the Director, Office of Minerals Exploration, a written appeal addressed to the Secretary. The decision of the Secretary or his duly authorized representative for the determination of such appeals shall be final and conclusive unless determined by a court of competent jurisdiction to have been fraudulent, or capricious, or arbitrary, or so grossly erroneous as necessarily to imply bad faith, or not supported by substantial evidence.

The term "Director, Office of Minerals Exploration," as used herein includes his duly authorized representative.

ARTICLE 14. Eight-Hour Law of 1912--Overtime compensation.--This contract, to the extent that it is of a character specified in the Eight-Hour Law of 1912, as amended (40 U. S. Code 324—326) and is not covered by the Walsh-Healey Public Contracts Act (41 U. S. Code 35—45), is subject to the following provisions and exceptions of said Eight-Hour Law of 1912, as amended, and to all other provisions and exceptions of said Law:

No laborer or mechanic doing any part of the work contemplated by this contract, in the employ of the Operator or any independent contractor contracting for any part of said work contemplated, shall be required or permitted to work more than eight hours in any one calendar day upon such work, except upon the condition that compensation is paid to such laborer or mechanic in accordance with the provisions of this clause. The wages of every laborer and mechanic employed by the Operator or any independent contractor engaged in the performance of this contract shall be computed on a basic day rate of eight hours per day; and work in excess of eight hours per day is permitted only upon the condition that every such laborer and mechanic shall be compensated for all hours worked in excess of eight hours per day at not less than one and one-half times the basic rate of pay. For each violation of the requirements of this clause a penalty of five dollars shall be imposed for each laborer or mechanic for every calendar day in which such employee is required or permitted to labor more than eight hours upon said work without receiving compensation computed in accordance with this clause, and all penalties thus imposed shall be withheld for the use and benefit of the Government.

ARTICLE 15. Copeland (Anti-Kickback) Act--Nonrebate of wages.--The regulations of the Secretary of Labor applicable to contractors and subcontractors (29 CFR, Part 3), made pursuant to the Copeland Act, as amended (40 U. S. C. 276c) and to aid in the enforcement of the Anti-Kickback Act (18 U. S. C. 874) are made a part of this contract by reference. The Operator will comply with these regulations and any amendments or modifications thereof and will be responsible for the submission of affidavits required of independent contractors thereunder. The foregoing shall apply except as the Secretary of Labor may specifically provide for reasonable limitations, variations, tolerances, and exemptions.

ARTICLE 16. Changes and added provisions.--

_____

_____

_____

_____

Executed in quintuplicate the day and year first above written.

ROLAND F. BEERS, INC.

_____
(Operator)

By _____

Title _____

THE UNITED STATES OF AMERICA

By _____
Acting Director, Office of Minerals Exploration

I, _____, certify that I am the
(Name)

_____ secretary of the corporation named as Operator herein; that

_____, who signed this contract on behalf of the Operator, was then
(Name)

_____ of said corporation; that said contract was duly signed for
(Title)

and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

_____

[CORPORATE SEAL]

INT.-DUP. SEC., WASH., D.C. 52370

DRAFT
11/18/60
SPHolt/gla

EXPLORATION CONTRACT
ROLAND F. BEERS, INC.
OME-6104

ANNEX I

The land, including all rights pertaining thereto, referred to in Article 2 of the contract, consists of eight tracts of leased land and 55 mining claims located on State-owned public land, all situate in Knox County, Maine, and shown, outlined in red color, on map, Figure 2, entitled "Property Map, Crawford Pond and Alford Lake Areas, Knox County, Maine," which map is attached to and made part of the contract.

LEASED LAND

Lease No.		Acres
9.0-1-3	Arthur Anderson and Margaret Anderson	40
9.0-1-8	Harry A. Perpall and Kathryn V. Perpall	100
9.0-1-20	Winona E. Harriman and Paul F. Harriman	40
9.0-1-24	Knox Timber, Inc.	35
9.0-1-27	Earl R. Norwood and Lura B. Norwood	10
9.0-1-125	Leroy G. Williams	10
9.0-1-126	Elmer C. Hart and Lois M. Hart	24
	Sidney M. Bird and Daisy Bird	

MINING CLAIMS

Fifty-five (55) mining claims located on the following Great Ponds:

	No. of Claims
Crawford Pond	33
Alford Lake	22
Total	55

Copies of the leases are contained in Dockets Nos. DMKA-4947 and OME-6104.

The 55 mining claims, shown on Figure 2 attached and made a part hereof, were located pursuant to State Permits and have been duly recorded in the office of the Maine Mining Bureau, Augusta, Maine.

(Continue with page 2)

The descriptions in the documents hereinbefore listed, including mining claims, are incorporated herein by reference.

A Performance Bond, in lieu of Consent to Lien and Subordination Agreements, is attached and made a part hereof.

In the event the Operator or subsidiary thereof at any time during the period expiring ten (10) years from the date of the contract acquires any right, title or interest in or to any land, situate within 1,500 feet of the exterior boundaries of any land that is subject to this contract on the date of such acquisition, for the purpose of doing exploration work on such land, the Operator shall promptly notify the Government of such acquisition, furnishing a description of the land, the acreage involved, maps, and other data that might be required by the Government, and such land automatically, without amendment of this contract, shall become subject to the provisions of this contract as of the date of acquisition.

With respect to any land which is subject to this contract, the Operator may at any time prior to a date which is six months after the date of termination of the contract, report and certify to the Government the following:

(a) That the land specified has no known value for mineral production; and

(b) That the Operator has surrendered or otherwise disposed of all its right, title and interest in such land without consideration therefor other than relief from the cost of maintaining

such right, title, or interest.

If the Government is satisfied with the representation and showing made by the Operator, it shall thereupon notify the Operator that the land may be and thereupon is freed from any obligations under the contract and may be considered as withdrawn from the land described in Annex I. However, should the Operator at any time reacquire any right, title, or interest in such land withdrawn from the contract, before the expiration of fifteen (15) years from the date of this contract, that land shall be considered as returned to Annex I and subject to all terms and provisions of the contract as along as it is in effect.

DRAFT
11/16/60
SPHolt/gla

EXPLORATION CONTRACT
ROLAND F. BEERS, INC.
OME-6104

EXHIBIT A

The maps attached to and made part of the contract are as follows:

Figure 1. Index Map of Maine, Showing Knox County. and Alford Lake Areas,

Figure 2. Property Map, Crawford Pond / Knox County, Maine.

~~Figure 3. Property Map, Alford Lake, Knox County, Maine.~~

Figure 3. Drill Hole Location Map, Crawford Pond, Knox County, Maine.

Figure 4. Drill Hole Location Map, Alford Lake, Knox County, Maine.

The objective of the project is to explore for nickel in the Crawford Pond and Alford Lake areas of Knox County, Maine, by means of diamond core drilling, and a limited amount of geophysical surveying.

General Conditions

Diamond drilling shall be done with BX wire line or larger sizes of coring bits. All core shall be properly boxed and stored and made available to the Government for examination. All core sections showing significant mineralization shall be properly sampled and the samples shall be assayed for nickel and cobalt, and for copper, sulphur, and iron as may appear desirable.

Sludge samples shall be taken during the diamond drilling and, in significantly mineralized sections, where the core recovery is less than 60 percent, the sludges shall be assayed as above, in

addition to the core segments which have been recovered. No sample, either of core or sludge, shall represent a hole interval of more than 5 feet.

All samples to be assayed shall first be split and one-half made available to the Government. The Government will contribute to the cost of not to exceed 180 assays for nickel and cobalt, and not to exceed 90 assays for copper, sulphur or iron.

All drill holes shall be logged geologically and copies of the logs of completed holes, together with maps showing drill holes and sections, shall be furnished monthly to the Government.

No drilling shall be done at locations closer than 100 feet to property boundaries.

The location, direction, inclination and extent of all diamond drill holes shall be subject to prior approval of the Government.

Description of the Work

Stage I

Diamond core drill from surface not to exceed 3,540 feet in approximately 6 inclined holes, Nos. E52-2, E52-3, E60-2, E-56.2-1, E64-1, and E64-2, to intersect the Crawford Pond mineralized zone, as indicated approximately in red color on map, Figure 4.

Stage II

Dependent on the results of Stage I work, and with the prior approval of the Government, perform the following:

Diamond core drill from surface not to exceed 5,240 feet

in approximately 4 inclined and 7 vertical holes, Nos. E46-1, E46-2, E68-1, E68-2, E48-1, E50-1, E62-1, and E66-1, indicated approximately in red color on map, Fig. 4, to intersect the Crawford Pond Mineralized zone, and holes Nos. A-0-1, A-10-1-N, and A-32-1-N, indicated approximately in red color on map, Fig. 5, to intersect the Alford Lake mineralized zone.

A limited amount of geophysical surveying, using magnetometer and E M equipment, shall be performed concurren tly with the diamond drilling under Stages I and II where necessary to determine geological conditions and to confirm the exact location of each of the diamond drill sites.

Estimated Costs

Stage I

Actual Costs

Category (1) Independent Contracts

None except:

Diamond core drilling -

Overburden drilling from land locations,

0 to 50-foot depths, 150 feet

@ $4.95/ft. $ 742.50

Size BX wire line drilling, ledge to

500-foot depths, 2,850 feet

@ $4.45/ft. 12,682.50

Size BX wire line drilling, 500 to

1,000-foot depths, 540 feet @ $4.80/ft. 2,592.00

Mobilization and demobilization,		
2 diamond drill rigs and equipment,		
@ $600.00/each	$ 1,200.00	
Delay time, 5 hours @ $8.50/hr.	42.50	$17,259.50
Category (7) - Miscellaneous		
None except:		
Core boxes, wooden, 90 @ $2.75/each	247.50	
Assays, for nickel and cobalt,		
80 @ $9.00 for both	720.00	
Assays for copper, iron, or sulphur,		
40 @ $1.00 for each determination	40.00	1,007.50
Fixed Unit Costs		
Incidental allowance in lieu of all costs		
whatsoever except those listed above		
under Categories (1) and (7),		
$0.56/ft. for 3,540 feet of drilling		1,982.40
Total Stage I		$20,249.40

Stage II

Actual Costs

Category (1) - Independent Contracts		
None except:		
Diamond core drilling -		
Overburden drilling from land locations,		
0 to 50-foot depths, 120 feet		
@ $4.95/ft.	$ 594.00	
~~Overburden drilling from ice locations,~~		

Overburden drilling from ice locations,		
0 to 50-foot depths, 350 feet		
@ $4.25/ft.	$ 1,487.50	
50 to 100-foot depths, 300 feet		
@ $5.00/ft.	1,500.00	
Size BX wire line drilling, ledge to		
500-foot depths, 4,030 feet		
@ $4.45/ft.	17,933.50	
Size BX wire line drilling, 500 to		
1,000-foot dpeths, 440 feet		
@ $4.80/ft.	2,112.00	
Delay time - 8 hours @ $8.50/ft.	68.00	$23,695.00
Category (7) - Miscellaneous		
None except:		
Core boxes, wooden, 130 @ $2.75/each	$ 357.50	
Assays, 100 for nickel and cobalt,		
@ $9.00 for both	900.00	
Assays for copper, iron, or sulphur,		
50 @ $1.00 for each determination	50.00	1,307.50
Fixed Unit Costs		
Incidental allowance in lieu of all costs		
whatsoever except those listed above under		
Categories (1) and (7),		
$0.56/ft. for 5,240 feet of drilling		2,934.40
Total Stage II		$27,936.90

Estimated Total Cost of the Project (rounded)	$48,186.00
Government ~~Contribution~~ Participation @ 50%	$24,093.00

ROLAND F. BEERS, INC.

OFFICE AND LABORATORY:
447 PINEWOODS AVENUE
PHONE ASHLEY 2-2351

MAIL ADDRESS:
POST OFFICE BOX 1019
TROY, NEW YORK

November 9, 1960

Mr. Frank E. Johnson, Acting Director
Office of Minerals Exploration
Washington 25, D. C.

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al, Prospects
Knox County, Maine

Dear Mr. Johnson:

Following is the additional information requested in your letter of October 24 for the above captioned application. This relative information is given in the order of the inquiries.

1. The third drill bid submitted by E. J. Longyear was sent to you on October 28, 1960, together with an amendment to Attachment H, Estimate of Costs, to reflect the lower drilling bid of E. J. Longyear Co.

2. Enclosed are four verifax copies of a letter dated December 23, 1959 from State of Maine Department of Economic Development, confirming renewal of claims for 1960 for Crawford Pond, Alford Lake and Moxie Lake. Moxie Lake is not a part of the captioned application.

All Crawford Pond claims included in the captioned application are part of State of Maine Mining Lease No. 3, which was sent to you on October 28, 1960.

3. The property description for the Sidney M. Bird and Daisy M. Bird lease will be sent to you in the next several days.

Leases filed in folder No. 2

4. Enclosed are four verifax copies each of the Elmer C. Hart and Lois M. Hart lease and the Leroy G. Williams lease. The signing of the Sidney M. Bird and Daisy Bird lease has been delayed because of Mr. Bird's absence. We have been assured that Mr. Bird will execute the lease upon his return to his office. We will send you four verifax copies of it as soon as it is received by us.

5. Four copies of the table summarizing proposed drilling, which is part of Attachment F, are enclosed.

6. The estimated depth of each of the proposed vertical drill holes for Alford Lake is 400 feet. The depths are noted in the enclosed table summarizing proposed drilling.

7. We intend to drill the three proposed holes on Alford Lake. Crawford Pond and Alford Lake are entities of the Crawford Pond Prospect. In other words we title as "Crawford Pond Prospect" the area from the southern portion of Crawford Pond to the northern portion of Alford Lake.

Sincerely yours,

ROLAND F. BEERS, INC.

John S. Bakos

John S. Bakos

jsb/h
Enclosures
4 copies each:
Letter dated December 23, 1959
Hart lease
Williams lease
Table-Proposed Drilling

MAINE

STATE HOUSE • AUGUSTA, MAINE • MAYNARD D. ...

OFFICIAL FILE COPY
RECEIVED Nov. 14 1960

DATE		
11-14	gad	VVO
11/14	Hinch	1V4
11/14	[illegible]	F00
	SIPH	

December 23, 1959

OME-6104

Mr. Donald E. Wyke
Roland F. Beers, Inc.
P. O. Box 84
Rockport, Maine

Dear Mr. Wyke:

This will acknowledge receipt of your reports and affidavits outlining your exploration work on 35 mining claims on Crawford Pond, Union Township; 19 mining claims on Alford Lake, Hope Township, Knox County, Maine; and 9 mining claims on Moxie Lake, The Forks and East Moxie Townships, Somerset County, Maine. These claims, as detailed below, were approved for renewal for 1960, by the Mining Bureau on December 23, 1959. Fees for renewal in the amount of $126 are herewith acknowledged as received by your check #1548, dated December 22, 1959, signed by Donald E. Wyke.

The following claims are renewed for 1960:

Crawford Pond: 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 129, 130, 135, 136, 140, 141, 143, 144

Alford Lake: 148, 149, 156, 160, 161, 162, 163, 164, 165, 168, 169, 170, 171, 172, 173, 176, 177, 180, 183

Moxie Lake: 585, 586, 587, 592, 617, 618, 619, 620, 621

Yours very truly,

Robert G. Doyle, State Geologist
Secretary, Maine Mining Bureau

RGD:gbm

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
10/27	Holt	500
	Driscoll	500
10/28	Selfridge	120
		110
10/28	Cole	220
		500

OCT 28 1960

Mr. John S. Bakos
Assistant Treasurer
Roland F. Beers, Inc.
P. O. Box 1019
Troy, New York

Re: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine

Dear Mr. Bakos:

We have just received your letter of October 24, 1960, giving additional information concerning the application mentioned above.

To continue processing this application we shall need the omitted items, (1) third drill bid, (2) confirmation of claims recorded with Maine Mining Bureau, (3) additional property descriptions for two of the three leases, and (4) exact copies of these leases, noted in Dr. Beers' letter of October 14, 1960. The table summarizing proposed drilling, which is referred to but not included with Attachment F of the application, will also be needed.

In Attachment F you mention, and show on the map "Drill Hole Locations (Alford Lake)," three proposed vertical drill holes on Alford Lake, but neither Attachment F nor the map indicates estimated depths for these holes. Then your letter of October 24 contains the statement that your exploration program subsequent to November 30, 1960, encompasses work on the Crawford Pond Prospect only. Please inform us whether you intend to drill the above-noted proposed holes on Alford Lake.

We shall appreciate receiving this information at your earliest convenience.

Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Director

SPHolt/fw-10/27/60
cc: Docket
Director's Read.File
Reg. IV (2)
Chron.

43683

Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
10/27	Coe	220
		500

OCT 26 1960

Memorandum

To: W. R. Griswold, Chief
Division of Minerals

From: E. D. Talbert, Acting Chief
Contract Administration and Audit Division

E. D. Talbert

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond Prospect
Knox County, Maine

With its October 14 application for financial assistance in a project estimated to cost $50,674.00, the subject applicant submitted, as evidence of efforts to obtain credit from private sources, copies of its October 11 letters to and replies from the Manufacturers National Bank of Troy, Troy, New York, and The National Commercial Bank and Trust Company, Albany, New York. The requests for a $25,500.00 loan, which were accompanied by an August 31 balance sheet of the applicant, were declined. This correspondence meets the requirements of section 1(a) of the application form.

On the basis of the foregoing correspondence, as supplemented by the balance sheet and an October 24 letter from the applicant, it appears that the subject applicant is financially eligible for federal assistance for the proposed exploration project.

hment

rt/ama
26, 1960

Docket
Director's Reading File
Mr. Talbert

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code

October 18, 1960

Memorandum

To: Files

From: Chief, Division of Minerals

Subject: OME-6104 (Nickel)
Roland F. Beers, Inc.
Crawford Pond, et al., Prospects
Knox County, Maine

Mr. Robert S. Young, representing Beers, presented a new application and discussed the proposed project with Mr. George Selfridge and the undersigned. He stated during the conversation that the Second American Syndicate had been dissolved and was consequently out of the picture; that the only funds available for the work were such funds as were residual and left over; that no more monies could be obtained from the now defunct syndicate in question.

WRGriswold

WRGriswold/fw-10/27/60

43683

(Two extra copies of application held in
pending application file -- my room - gla)

Roland F. Beers, Inc. (Nickel) Region IV OME-6104 Crawford Pond Knox County, Maine

There are certain vital requirements which must be cleared before an application can be considered as available for processing. If such items are lacking, the application can only be considered as being incomplete -- to be kept on the shelf until the deficiencies are rectified.

Therefore, upon receiving an application, will you please check against the following check list, show in red pencil anything lacking. Keep one copy, give one to me. In case you plan an immediate denial, don't bother.

W. R. Griswold

Is application signed? yes

Is legal land description adequate? Groups lacking X

If land not owned, are lease copies enclosed? Leases to be submitted

Are lien and Subordination Agreements enclosed? No - performance bond to be submitted

Were property maps, or any other vitally essential map submitted? Yes - OK

Are there any special title complications which must be cleared? Leases to come.

Financial matters, bank letters, need for statement of assets and liability memo from Talbert, 10/26 yes OK

Diamond drill bids 2 in. 1 to comp. 3rd bid required 10/31/60

Proposed program, complete lack of O.K.

Cost outline lacking O.K.

ROLAND F. BEERS, INC.

OFFICE AND LABORATORY:
447 PINEWOODS AVENUE
PHONE ASHLEY 2-2001

MAIL ADDRESS
POST OFFICE BOX 1019
TROY, NEW YORK

October 14, 1960

Mr. Frank E. Johnson,
Acting Director
Office of Minerals Exploration
Washington, D. C.

Subject: Application for Financial Assistant in Exploration for Nickel-Maine

Dear Mr. Johnson:

Accompanying this letter you will find four copies of an Application For Financial Assistance in Minerals Exploration. MMF Form 40 has been completed in accordance with the General Instructions, and all material applicable to our application is attached thereto. Each item is identified on the back of the form by the item number to which it applies.

In order not to delay the transmittal of this application to your office, certain items have been omitted, and will be forwarded promptly upon their receipt by this office. The omitted items include (1) a third bid for drilling services by E. J. Longyear, which is expected any day; (2) confirmation of claims which have been recorded with the Maine Mining Bureau; (3) additional property description which is now in process for two of the three leases; and (4) exact copies of the leases, including that on the staked claims from the State of Maine. These will be completed within the coming week.

Items (1) to (4) needed

I trust that you will find this application in good order and that you will be able to process it without delay. Dr. Robert S. Young will represent this company in submitting this application to you, and you may feel free to ask him any questions which may arise in your examination of the material. We appreciate your kind cooperation in considering this matter.

Sincerely yours,

ROLAND F. BEERS, INC.

President

rfb/h
Enclosures - 4
cc: D. E. Wyke
R. S. Young

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

October 18, 1960

Roland F. Beers, Inc.
P. O. Box 1019
Troy, New York

Re: OME-6104

Gentlemen:

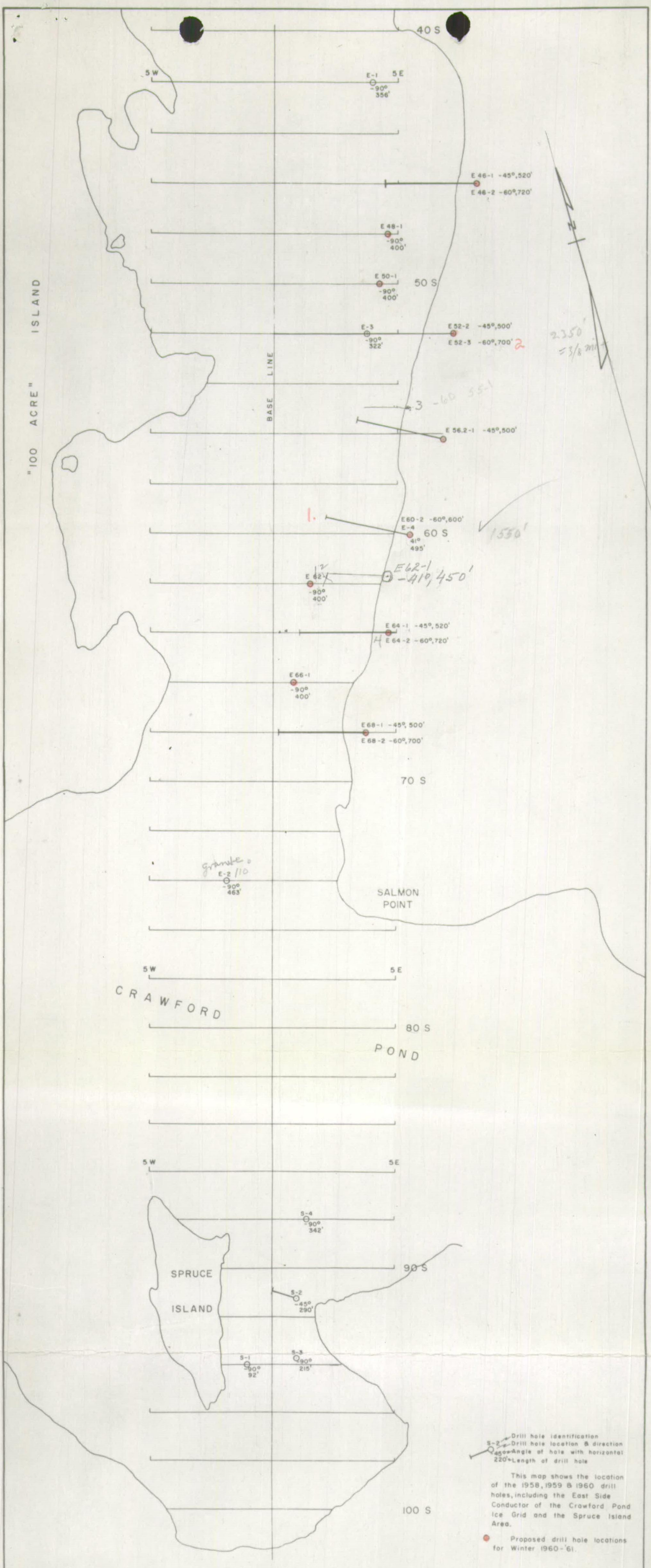
Your application for exploration assistance, dated October, 1960, submitted to our office in Washington, D. C., has been assigned Docket Number OME-6104.

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

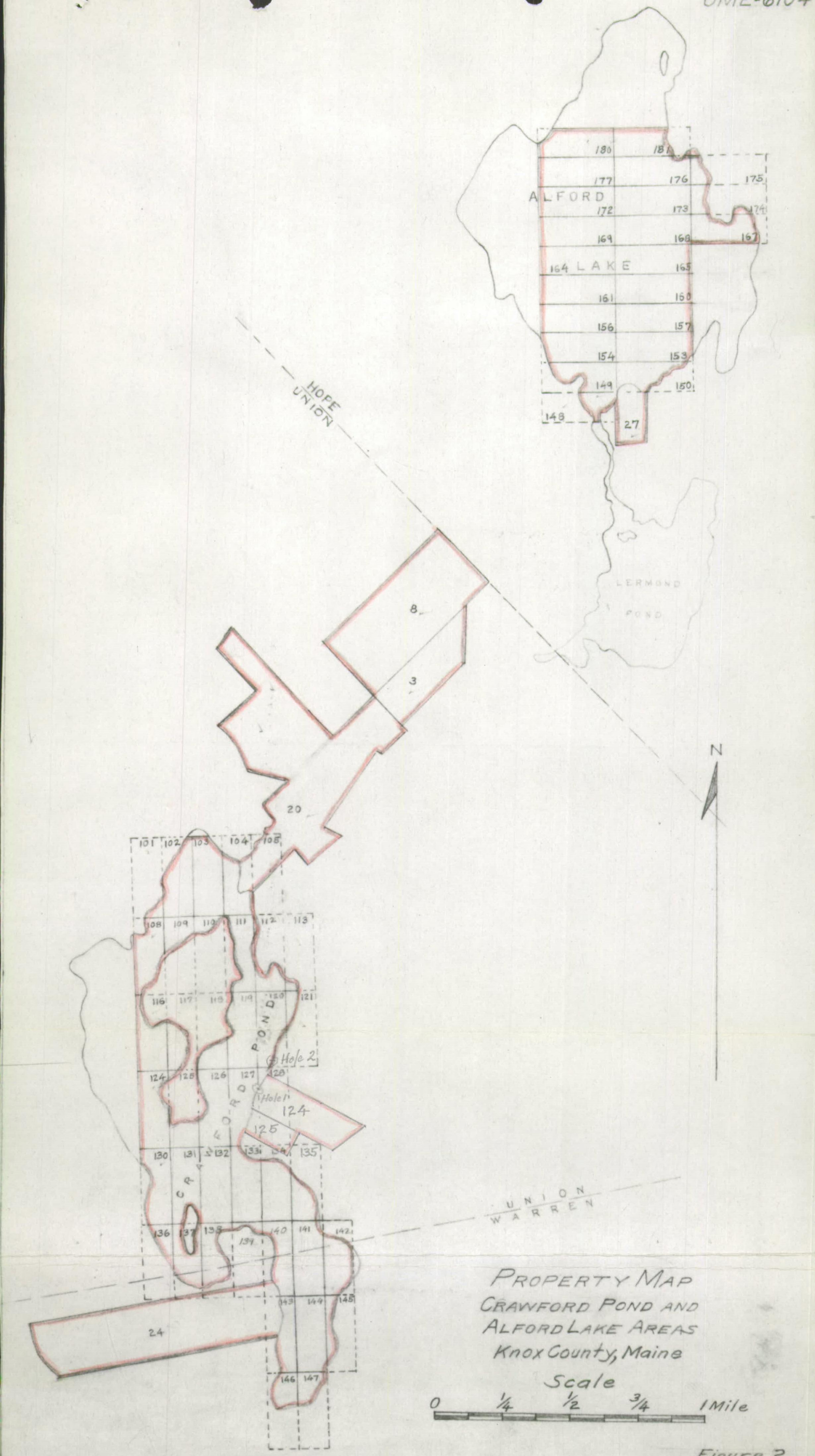
Sincerely yours,

Allen S. Dakan, Chief
Division of Administrative
Management

Copy to: Region IV

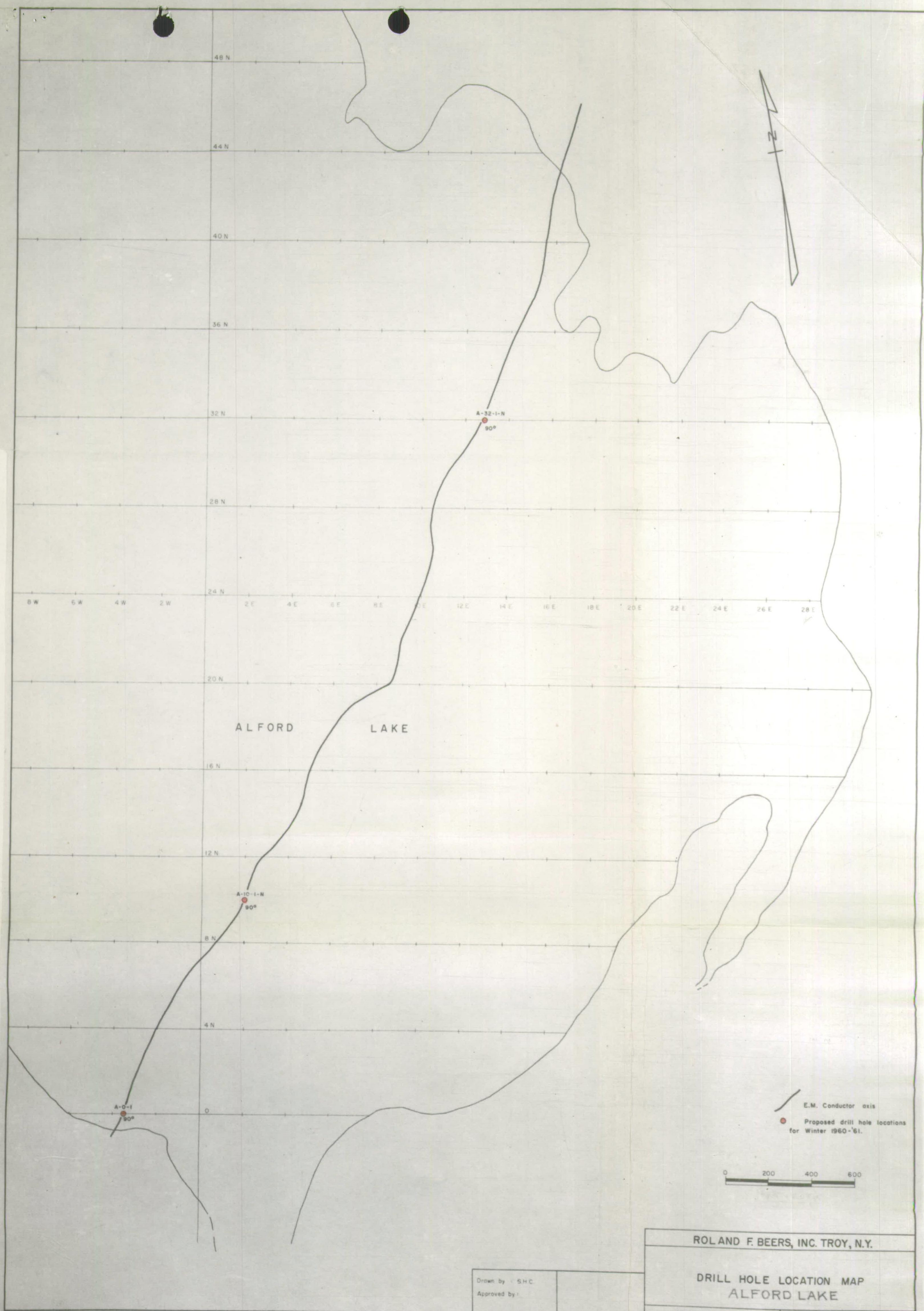

40 S
5 W
5 E
E-1
-90°
356'
E 46-1 -45°,520'
E 46-2 -60°,720'
E 48-1
-90°
400'
E 50-1
-90°
400'
50 S
E-3
-90°
322'
E 52-2 -45°,500'
E 52-3 -60°,700'
2
2350'
=3/8 mi
"100 ACRE" ISLAND
BASE LINE
3 -60 55-1
E 56.2-1 -45°,500'
1.
E 60-2 -60°,600'
E-4
41°
495'
60 S
1550'
E 62-1
-41°, 450'
E 62
-90°
400'
E 64-1 -45°, 520'
E 64-2 -60°,720'
E 66-1
-90°
400'
E 68-1 -45°, 500'
E 68-2 -60°,700'
70 S
E-2 110
-90°
463'
SALMON POINT
CRAWFORD POND
80 S
S-4
-90°
342'
SPRUCE ISLAND
90 S
S-2
-45°
290'
S-1
-90°
92'
S-3
-90°
215'
100 S
Drill hole identification
Drill hole location & direction
Angle of hole with horizontal
Length of drill hole
This map shows the location of the 1958, 1959 & 1960 drill holes, including the East Side Conductor of the Crawford Pond Ice Grid and the Spruce Island Area.
Proposed drill hole locations for Winter 1960-'61.
October 1960
Scale
0 100 500 Feet
=1"=400'
ROLAND F. BEERS, INC. TROY, N.Y.
CRAWFORD POND
DRILL HOLE LOCATION MAP
KNOX Co., Maine
Figure 3

OME-6104



PROPERTY MAP
CRAWFORD POND AND
ALFORD LAKE AREAS
Knox County, Maine
Scale

Figure 2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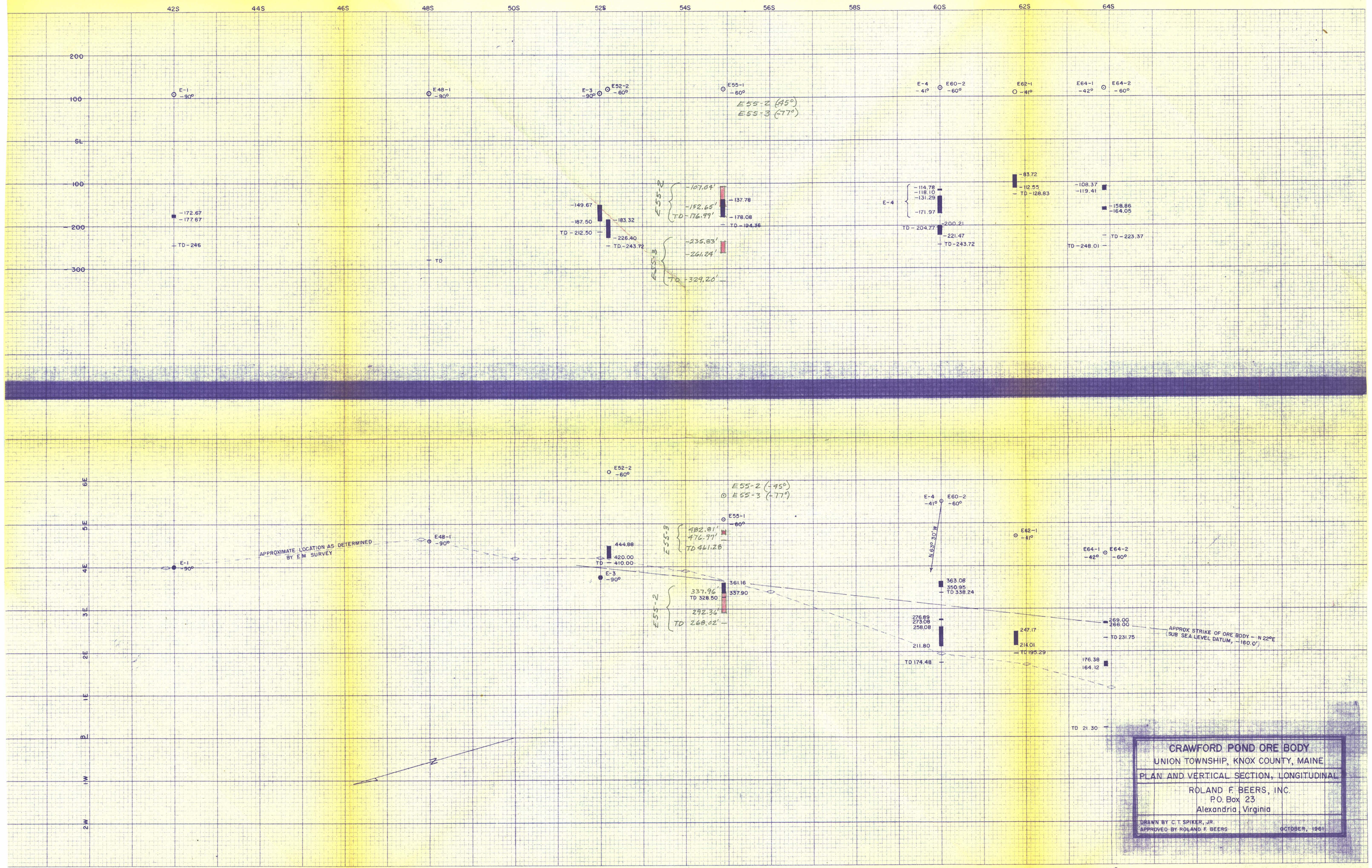
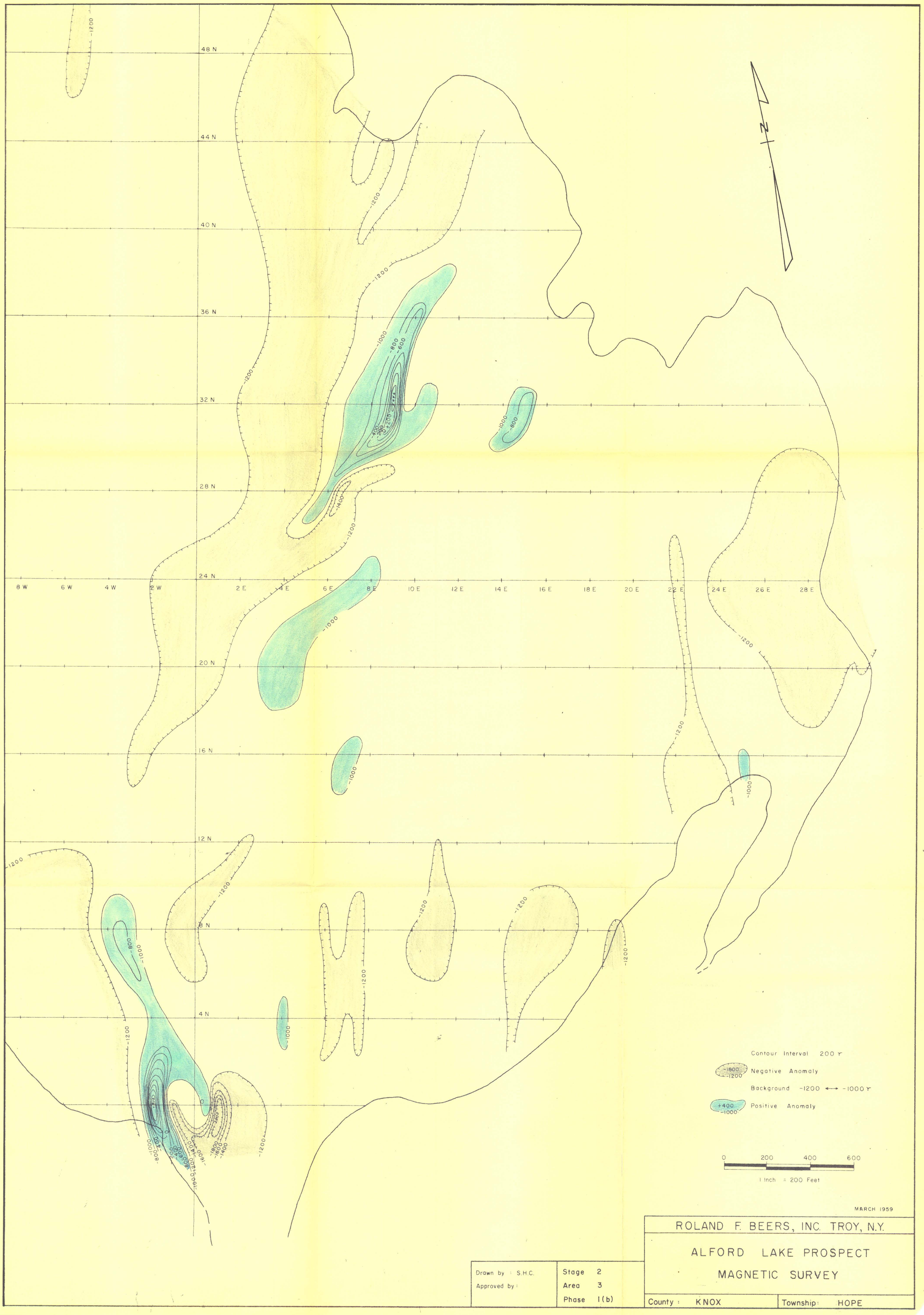
4 W
2 W
2 E
4 E
6 E
8 E
10 E
12 E
14 E
16 E
18 E
20 E
22 E
24 E
26 E
28 E
N
A-32-1-N
90°
A-10-1-N
90°
A-0-1
90°
ALFORD LAKE
E.M. Conductor axis
Proposed drill hole locations for Winter 1960-'61.
0
200
400
600
ROLAND F. BEERS, INC. TROY, N.Y.
Drawn by S.H.C.
Approved by
DRILL HOLE LOCATION MAP
ALFORD LAKE
KNOX Co., Maine
Figure 4.

Fig. 4



"PERFECT" CROSS SECTION
10 X 10 = ONE INCH
EUGENE DIETZGEN CO.

PRINTED IN U.S.A.
ON 100% RAG PAPER MADE IN U.S.A.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22 E
24 E
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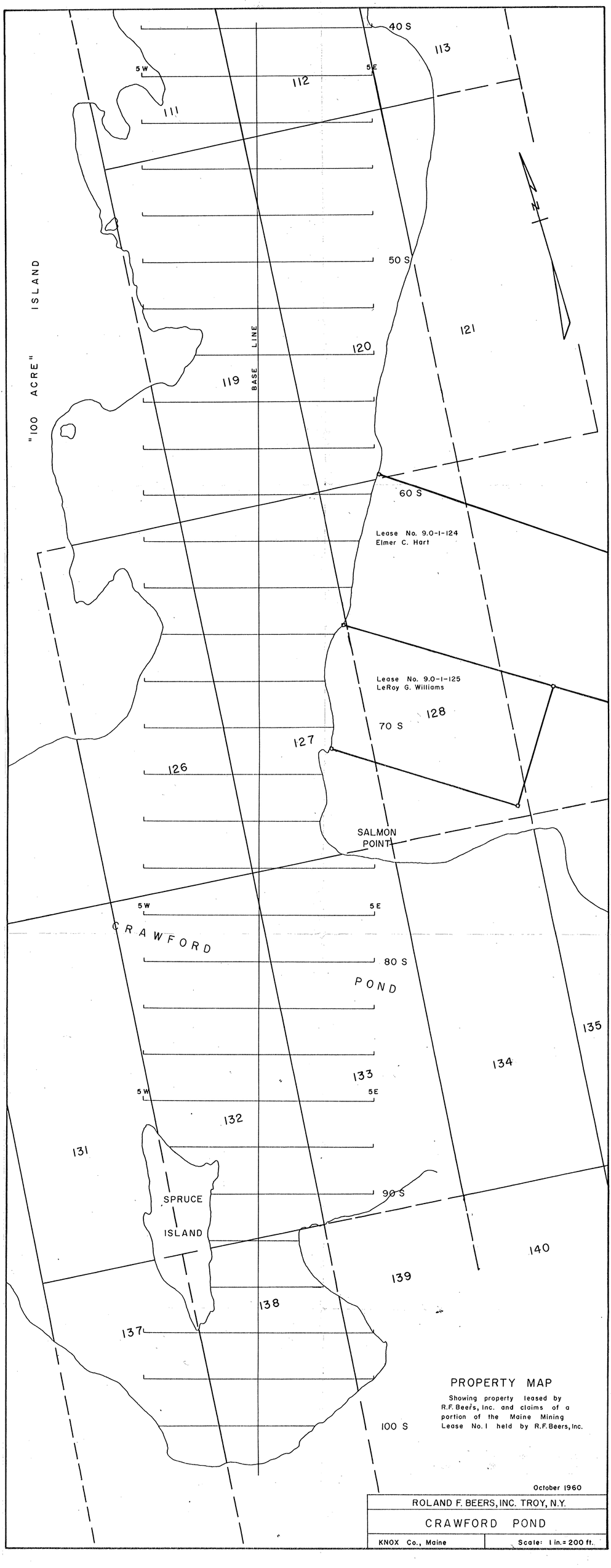
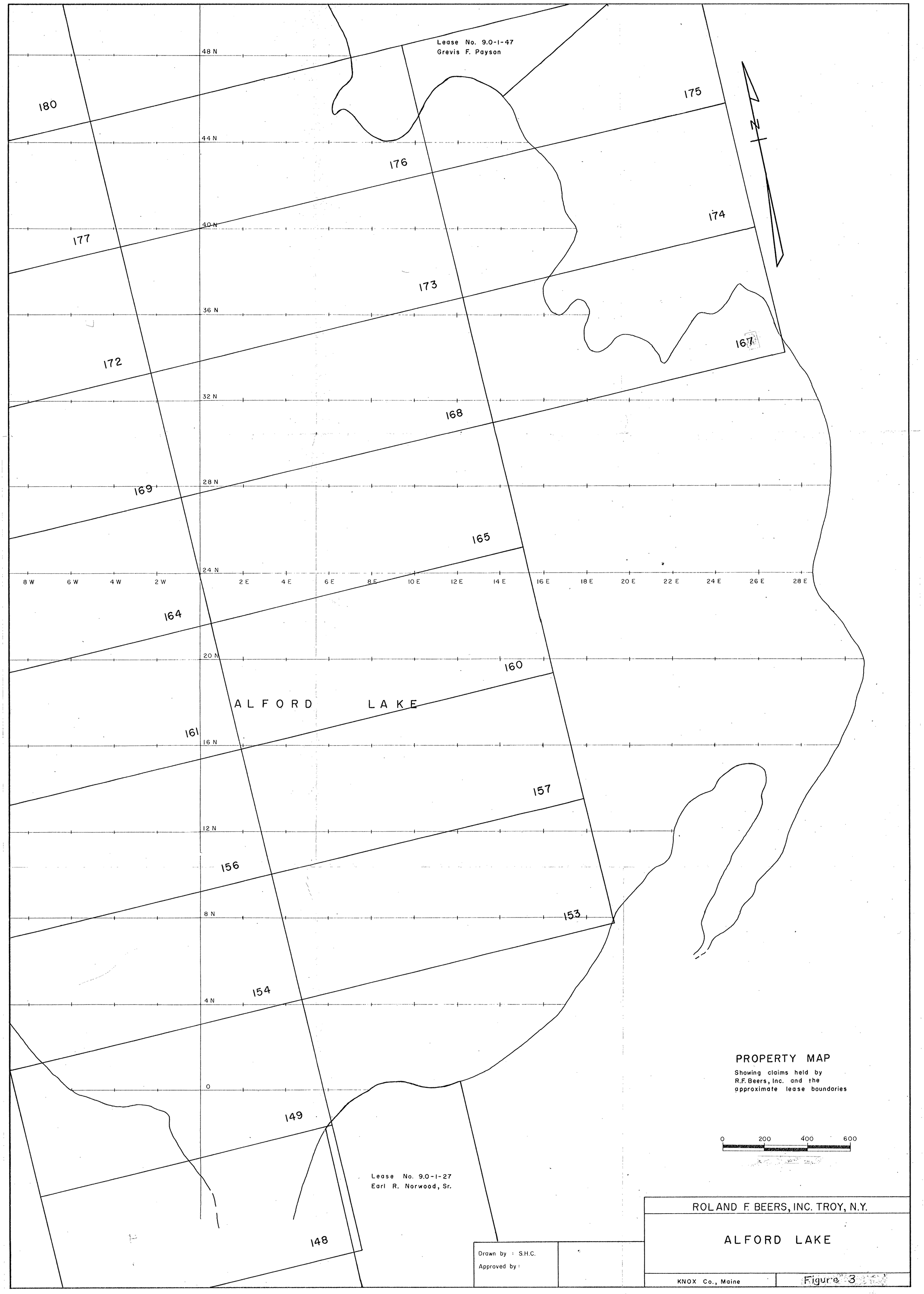
28 E
N
Contour Interval 200 γ
Negative Anomaly
Background -1200 ⟷ -1000 γ
Positive Anomaly
0
200
400
600
1 Inch = 200 Feet
MARCH 1959
ROLAND F. BEERS, INC. TROY, N.Y.
ALFORD LAKE PROSPECT
MAGNETIC SURVEY
Drawn by : S.H.C.
Approved by :
Stage 2
Area 3
Phase 1(b)
County : KNOX
Township: HOPE


40 S
113
5 W
5 E
112
111
N
50 S
121
"100 ACRE" ISLAND
BASE LINE
120
119
60 S
Lease No. 9.0-1-124
Elmer C. Hart
Lease No. 9.0-1-125
LeRoy G. Williams
128
70 S
127
126
SALMON POINT
5 W
5 E
CRAWFORD
80 S
POND
135
134
133
5 W
5 E
132
131
SPRUCE ISLAND
90 S
140
139
138
137
100 S
PROPERTY MAP
Showing property leased by R.F. Beers, Inc. and claims of a portion of the Maine Mining Lease No. 1 held by R.F. Beers, Inc.
October 1960
ROLAND F. BEERS, INC. TROY, N.Y.
CRAWFORD POND
KNOX Co., Maine
Scale: 1 in. = 200 ft.


Lease No. 9.0-1-47
Grevis F. Payson
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28 E
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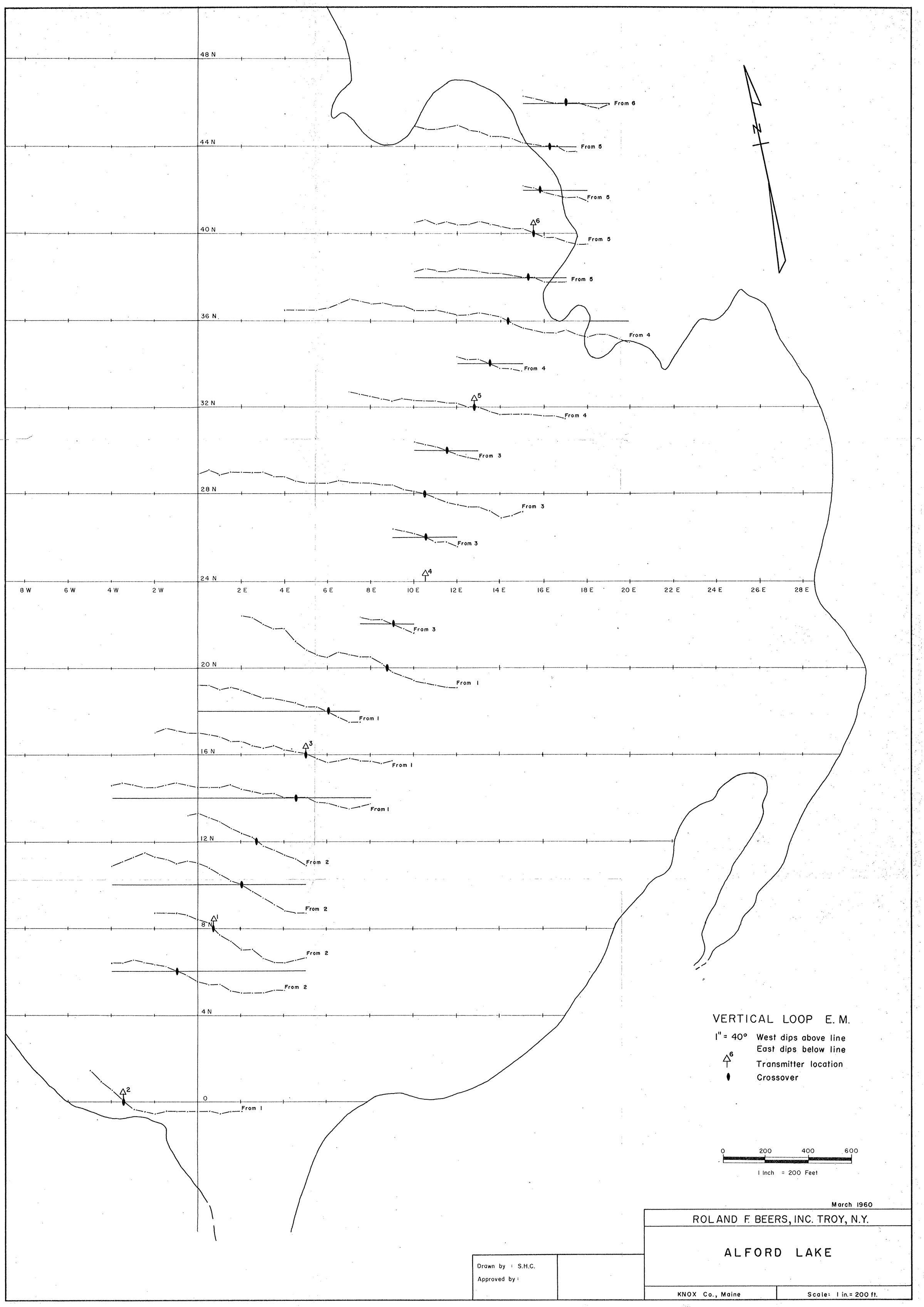
175
176
174
177
173
172
167
168
169
165
164
160
161
157
156
153
154
149
148
ALFORD LAKE
N
Lease No. 9.0-1-27
Earl R. Norwood, Sr.
PROPERTY MAP
Showing claims held by
R.F. Beers, Inc. and the
approximate lease boundaries
0
200
400
600
Drawn by : S.H.C.
Approved by :
ROLAND F. BEERS, INC. TROY, N.Y.
ALFORD LAKE
KNOX Co., Maine
Figure 3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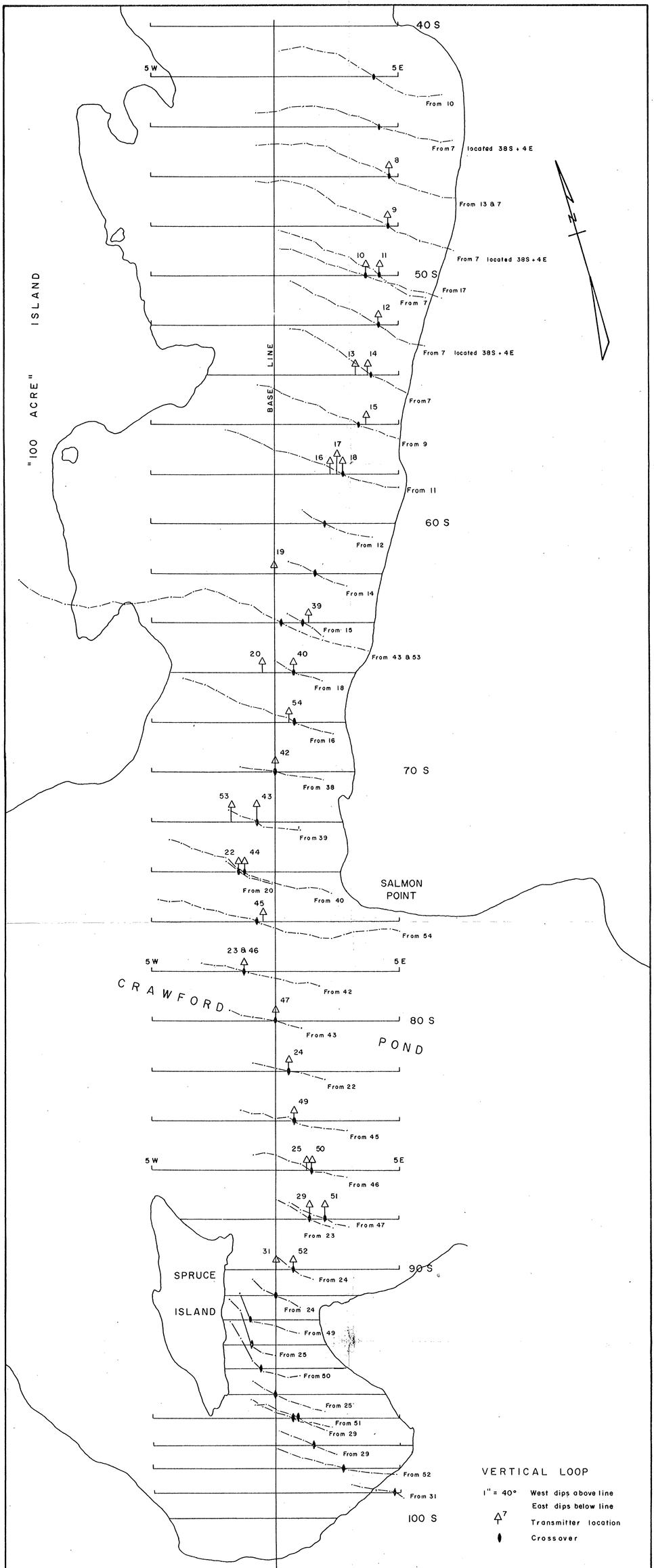
From 1
From 1
From 1
From 1
From 2
From 2
From 2
From 2
From 1
1
2
3
4
5
6
N
VERTICAL LOOP E. M.
1" = 40°
West dips above line
East dips below line
Transmitter location
Crossover
0
200
400
600
1 Inch = 200 Feet
March 1960
ROLAND F. BEERS, INC. TROY, N.Y.
ALFORD LAKE
Drawn by : S.H.C.
Approved by :
KNOX Co., Maine
Scale: 1 in.= 200 ft.

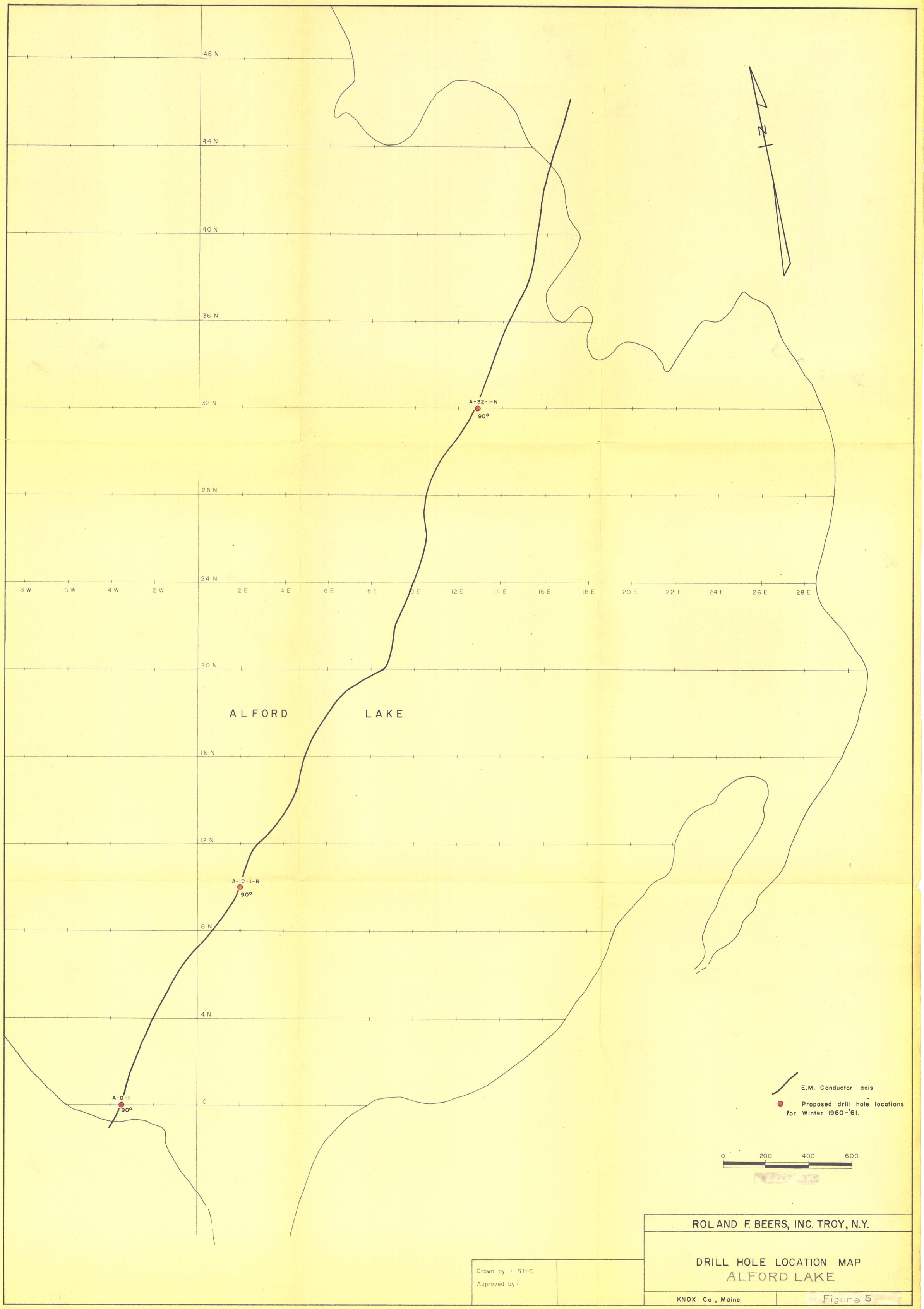


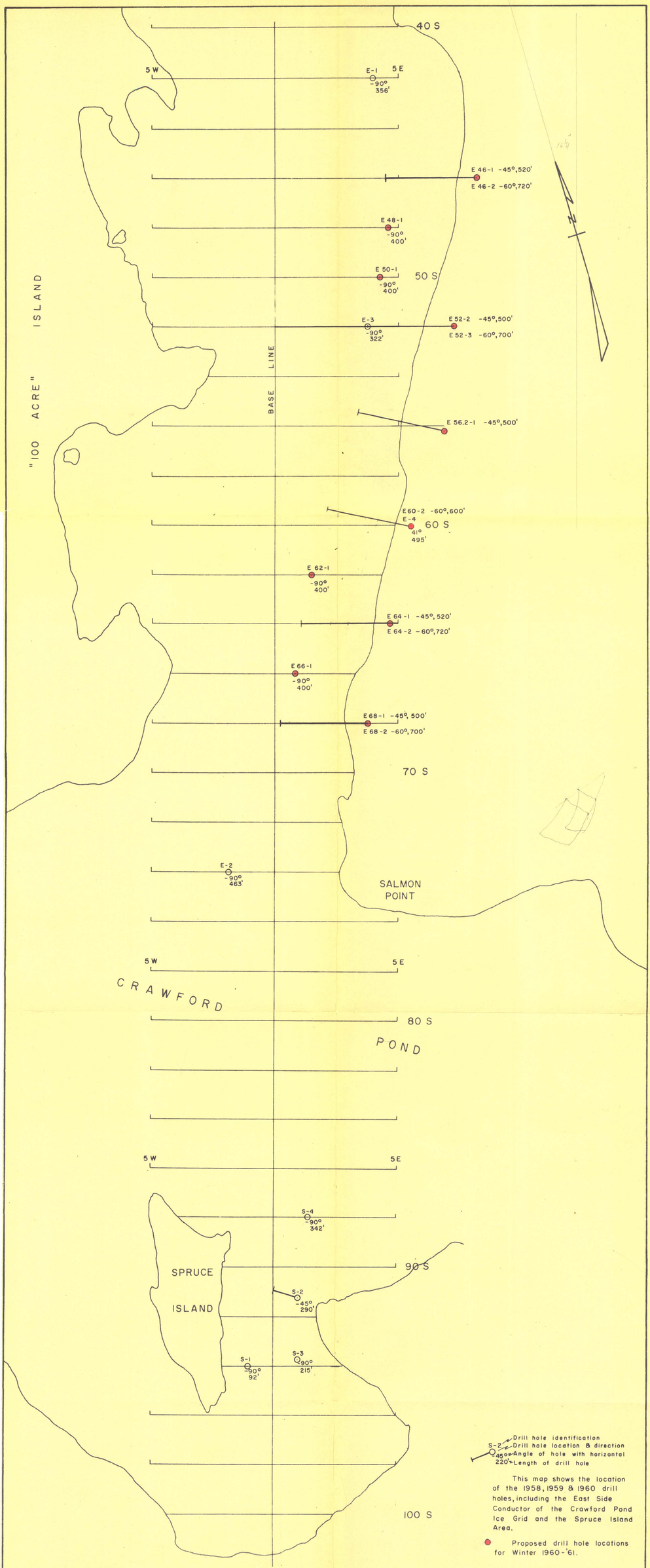
October 1960

ROLAND F. BEERS, INC. TROY, N.Y.

CRAWFORD POND

KNOX Co., Maine | Scale: 1 in. = 200 ft.


48 N
44 N
40 N
36 N
32 N
28 N
24 N
20 N
16 N
12 N
8 N
4 N
0
8 W
6 W
4 W
2 W
2 E
4 E
6 E
8 E
10 E
12 E
14 E
16 E
18 E
20 E
22 E
24 E
26 E
28 E
N
A-32-1-N
90°
ALFORD LAKE
A-10-1-N
90°
A-0-1
90°
E.M. Conductor axis
Proposed drill hole locations for Winter 1960-'61.
0
200
400
600
Drawn by : S.H.C.
Approved by :
ROLAND F. BEERS, INC. TROY, N.Y.
DRILL HOLE LOCATION MAP
ALFORD LAKE
KNOX Co., Maine
Figure 5


40 S
5 W
5 E
E-1
-90°
356'
E 46-1 -45°,520'
E 46-2 -60°,720'
E 48-1
-90°
400'
E 50-1
-90°
400'
50 S
E-3
-90°
322'
E 52-2 -45°,500'
E 52-3 -60°,700'
BASE LINE
"100 ACRE" ISLAND
E 56.2-1 -45°,500'
E60-2 -60°,600'
E-4
41°
495'
60 S
E 62-1
-90°
400'
E 64-1 -45°,520'
E 64-2 -60°,720'
E 66-1
-90°
400'
E 68-1 -45°,500'
E 68-2 -60°,700'
70 S
E-2
-90°
463'
SALMON POINT
5 W
5 E
CRAWFORD POND
80 S
5 W
5 E
S-4
-90°
342'
90 S
SPRUCE ISLAND
S-2
-45°
290'
S-1
-90°
92'
S-3
-90°
215'
100 S
S-2 Drill hole identification
Drill hole location & direction
-45° Angle of hole with horizontal
220' Length of drill hole
This map shows the location of the 1958, 1959 & 1960 drill holes, including the East Side Conductor of the Crawford Pond Ice Grid and the Spruce Island Area.
Proposed drill hole locations for Winter 1960-'61.
October 1960
ROLAND F. BEERS, INC. TROY, N.Y.
CRAWFORD POND
DRILL HOLE LOCATION MAP
KNOX Co., Maine
Scale: 1 in. = 200 ft.