UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Terminated (~~or cancelled~~) without certification. DMEA No. 1812

This is the official contract file containing all official records of the project. Duplicate material has been removed. The records contained in the files are checked and are arranged in this manner:

Left Side

Certificate of Audit (Final).

Interim Audit(s).

✓ Report of Review.

Termination Notice or Agreement.

Recision Notice.

Assignment of Contract.

✓ Contract Amendments (latest on top).

✓ Contract with all exhibits and annexes.

Owner's Consent to Lien.

✓ Subordination Agreement.

✓ Leases and assignments of leases.

✓ Application and attachments.

Schedule of Collections.

✓ Operator's monthly reports and all attachments (latest on top).

Right Side

✓ Project summary.

✓ Work completed analysis.

✓ All other material is filed in chronological order with correspondence including the following reports as checked:

✓ Final Field Team Report. (Tab)

✓ Operator's Final Report.

Interim Reports.

✓ On-site Exam Report(s). (Tab)

Settlement Sheets.

If additional folders are required because of volume of records, show folder numbers and contents below:

Maps in folder number _____

Operator's Monthly Reports in folder number _____

BB
Reviewer's Initials

7973

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Report of:

Carl L. Wiehe and B. A. Gira
(A lessee partnership)
Box 63, Custer, South Dakota

pertaining to Exploration Project Contract No. IDM-E195, Docket No. DMA-1812X, for the period of April 1952, first and final report.

My review included an examination of the Monthly Report (Form MF-104) and supporting documents attached thereto, comparison of the costs claimed with the contract and pertinent schedules, consultation with the Government representative who visited and examined the project, and a determination of the reasonableness and propriety of the costs.

This review was made in lieu of an audit of the Operator's accounts and records for the reason(s) indicated by "X" below:

(x) the Monthly Report was supported by documentary proof of the costs incurred under the contract;
(x) the contract provides for payment by the Government on the basis of agreed estimated costs of units of work actually performed

The review disclosed the following facts in regard to the amount paid or to be paid the contractor:

Total cost as billed by Contractor		$ 1,120.00
Exceptions:	None	
Total Accepted Cost		$ 1,120.00

The contract calls for a 90 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of One thousand and eight Dollars and 00/100.

- $ 1,008.00 -

is considered valid and proper.

Date: June 19, 1952

Robert M. Hull
Auditor

Contracts & Audit

AMENDMENT NO. 1

DMA Docket No. 1812X, Contract Idm E-195, dated October 25, 1951, between the United States of America and Carl L. Wiehe and B. A. Gira, a lessee partnership, is hereby amended as follows:

1. Under item 3, exploration project, the operator's time of starting drilling operations is extended to April 1, 1952 because of previous commitments of the drill contractor.

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the government may pay, or the percentage of costs which the government may pay, under provisions of Article 13 of the contract form.

Dated: March 10 1952

UNITED STATES OF AMERICA

By A B Needham
A. B. Needham, Executive Officer
DMEA Field Team, Region V

Carl L. Wiehe
Carl L. Wiehe

Dated: March 7, 1952

B A Gira
B. A. Gira

A lessee partnership

[redacted]00
(June 1951)

Docket No. DMA 1812X
Commodity Beryl
E-195

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this 25th day of October, 1951, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] Carl L. Wiehe and B. A. Gira, a lessee partnership.
Box 63
Custer, South Dakota

hereinafter called the "Operator," as follows:

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of South Dakota, County of Custer described as follows: [3]
The Tanner Lode Mining Claim, adjoining the John Tanner Homestead on the southwest. It is approximately 4.0 miles east of Pringle, S.D. The claim is recorded with the Register of Deeds, Custer Co., S. D., on page 438 of Book 17 of Locations.

with respect to which the Operator represents and undertakes: [4]

(*a*) ~~That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens or encumbrances, as to each of which the subordination agreement of the holder is attached:~~

No claims, liens or encumbrances
Landlord's Subordination Agreement attached

(*b*) That he is a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached.

3. *Exploration project.* The Operator, within thirty (30) days from the date of this contract shall commence work on a project of exploration for [5] Beryl, mica; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] 6 months from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

4. *Performance of the work.* The work shall be performed by the Operator, under his sole direction and control: *Provided,* That with the consent of the Government and its written approval of the contract or contracts, all or any part of the work may be performed by the Operator through contract or contracts with independent contractors. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

5. *Fixtures and improvements.* The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof. Any additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute currently its agreed pro rata share, are listed in Exhibit "A" attached hereto. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro rata share.

6. *Operating equipment.* Any operating equipment to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or depreciation, as the case may be, is listed under appropriate headings in Exhibit "A" attached hereto. As to equipment purchased for the project, the Government will contribute its agreed pro rata share of the cost thereof, and the difference between the cost and the salvage value at the conclusion of the work shall be charged as a cost of the project to which the Government has contributed its pro rata share.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

7. *Title to and disposition of property.* All facilities, buildings, fixtures, equipment or other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

8. *Labor and supervision.* An itemized schedule of labor, by numbers and classes (miners, muckers, millmen, etc.), and of supervisors, by numbers and positions, with the maximum wages or salaries that may be paid to each as an allowable cost of the project is set forth in Exhibit "A" attached hereto.

9. *Rehabilitation and repairs.* A statement of the cost of any necessary rehabilitation or repairs to put existing facilities, buildings, installations, and fixtures into useful and operable condition and which are to be allowed as costs of the project is included in Exhibit "A."

10. *Allowable costs of the project.* The costs of the project in which the Government will participate are limited to the necessary, reasonable, direct costs of performing the exploration work, including the costs of materials, supplies, engineering, power, water, analytical work, accounting, and utilities, including items of equipment costing less than $50 each; and the costs referred to in Articles 5, 6, 8, and 9, and the exhibits annexed to and referred to in this contract. Although the Government may pay part of the cost of new or additional facilities, structures, buildings, and equipment, only the depreciation on such items, computed as indicated in Articles 5 and 6, will be charged as a cost of the project. No items of general overhead, corporate management, interest, taxes, or any other indirect costs not expressly allowed by these provisions, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

11. *Accounts and audits.* The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract.

12. *Progress reports.* The Operator shall provide the Government with monthly reports of work performed under the contract upon forms to be provided by the Government. Each monthly progress report shall bear the certification of the Operator and shall constitute the Operator's invoice of costs incurred on the project during the period covered by the report.

13. *Payment to the Operator.* The monthly progress report (invoice), to the extent approved by the Government, shall be processed for payment by the Government. Payment shall be made in the amount of 90 percent of the approved costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $ 6,017.40, which is 90 percent of the agreed estimated total cost of this project, $ 6,686.00.

14. *Final reports by Operator.* Upon completion of the project or termination of this contract, the Operator shall provide the Government with a comprehensive geologic and engineering report, including an estimate of ore reserves, to the best of his ability. Four copies of all reports shall be furnished to the Government.

15. *Repayment by Operator.* If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter, shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.

Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent for each additional full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the mineral deposit which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

16. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

17. *Termination and completion.* The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in sextuplicate the day and year first above written.

Carl K. Wiehe

Carl K. Wiehe (Operator)

By B. A. Gira

B. A. Gira

THE UNITED STATES OF AMERICA

By Frank E. Johnson

Acting Director, Production Expansion Division
Defense Minerals Administration

U. S. GOVERNMENT PRINTING OFFICE 16—64066-2

The Carl L. Wiehe & B.A. Gira Lease
Exploration Project Contract
The Tanner Lode Pegmatite.

Exhibit "A"

Exploration Project.

Time Schedule Month		
		Stage "A"*
1st	1.	To drill by contract two (2) diamond drill holes of BX core not to aggregate over 250 feet. The holes will be drilled as shown on the attached map and cross section. Depth of each hole will be mutually agreeable to the Government and to the applicant.
		Stage "B"*
2nd to 4th	1.	To construct a 12' x 18' tool shed and shelter.
	2.	To drive a 210 foot west-trending adit to cross-cut the pegmatite as shown on the attached map and cross section. This work will be undertaken only after completion of Stage "A" to the satisfaction of the Government. The exact location of the adit will be determined by the Operator upon the basis of the results of the drilling, subject to approval by the Government.

* As indicated in Section 4 of the contract all sub-contracts are subject to approval by the Government.

The proposed work and the estimated cost thereof is as follows:

Stage "A"

1.	Two hundred and fifty (250) feet of drilling @ $5.00/ft	$1,250.00

Stage "B"

1.	One tool shed and shelter	$ 300.00
2.	To drive a 210 foot adit @ $14.17 a foot. (This includes labor, supervision, taxes and insurance. Remaining costs appear elsewhere). The size of the adit is to be 5 x 7 feet.	2,976.00

Summary of Estimated Expenditures.

1.	Diamond drilling	$1,250.00
2.	Crosscut adit	2,976.00

3. Fixtures and improvements		510.00
4. Operating equipment and supplies		1,950.00
	Total	$6,686.00
Government participation is 90 percent or		$6,017.40

Fixtures and Improvements.

Stage "B"

1. One 12 x 18 foot tool shed and shelter		$ 300.00
2. Mine rail, 500 feet of 12#		170.00
Spikes, fish plates, bolts and nuts		40.00
	Sub-total	$510.00

Operating Equipment and Supplies.

Equipment to be purchased

1. Mine car		$210.00
	Sub-total	$210.00

Equipment to be rented

1. One 110 cfm air compressor @ $212.00 per month*		$636.00
2. One mounted machine with column, clamp, steel, etc., @ $80.00 a month.		240.00
	Sub-total	$876.00

* Subject to approval by the Government.

Supplies to be purchased.

Stage "A"

1. Core boxes, handling, testing, etc.		$100.00
	Sub-total	$100.00

Stage "B"

1. Powder, caps, fuse, gasoline, oil, miscell.		$764.00
	Sub-total	$764.00

Labor and Supervision.

1. The following labor will be employed at the rates shown:

Stage "A"

Drilling is to be done by contract.

Stage "B"

1-Working foreman	@ $1.75 per hour	)Plus overtime
1-Miner	@ $1.50 per hour	)Plus 6% tax
1-Mucker	@ $1.25 per hour	)insurance@ $41.34/day

Rehabilitation and Repairs.

None

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Custer, State of South Dakota, described in a certain Exploration Project Contract dated October 25th, 1951, between Carl L. Cole and E. A. Gira, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated September 9, 1950, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

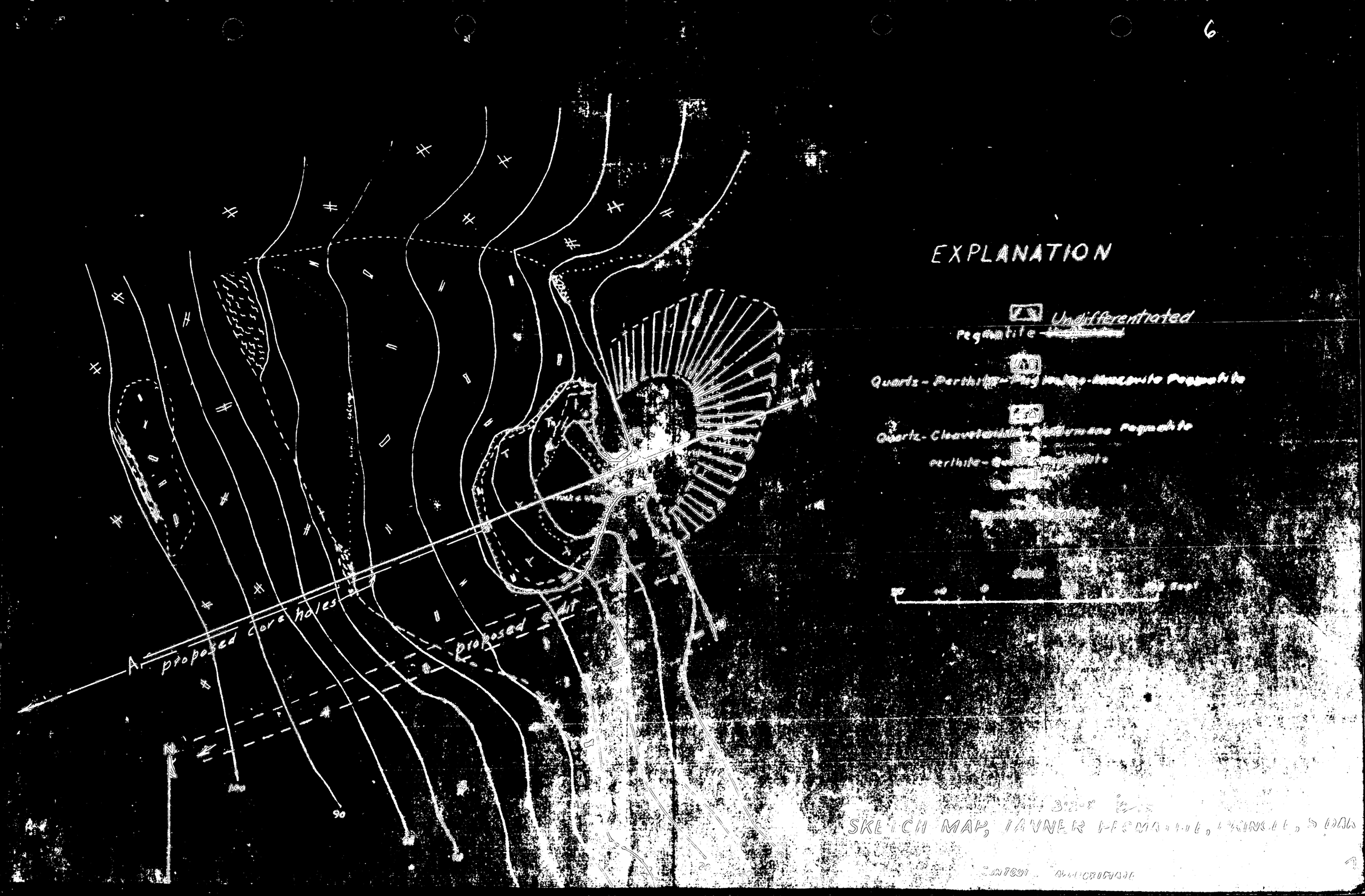
This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 8th day of September, 1951.

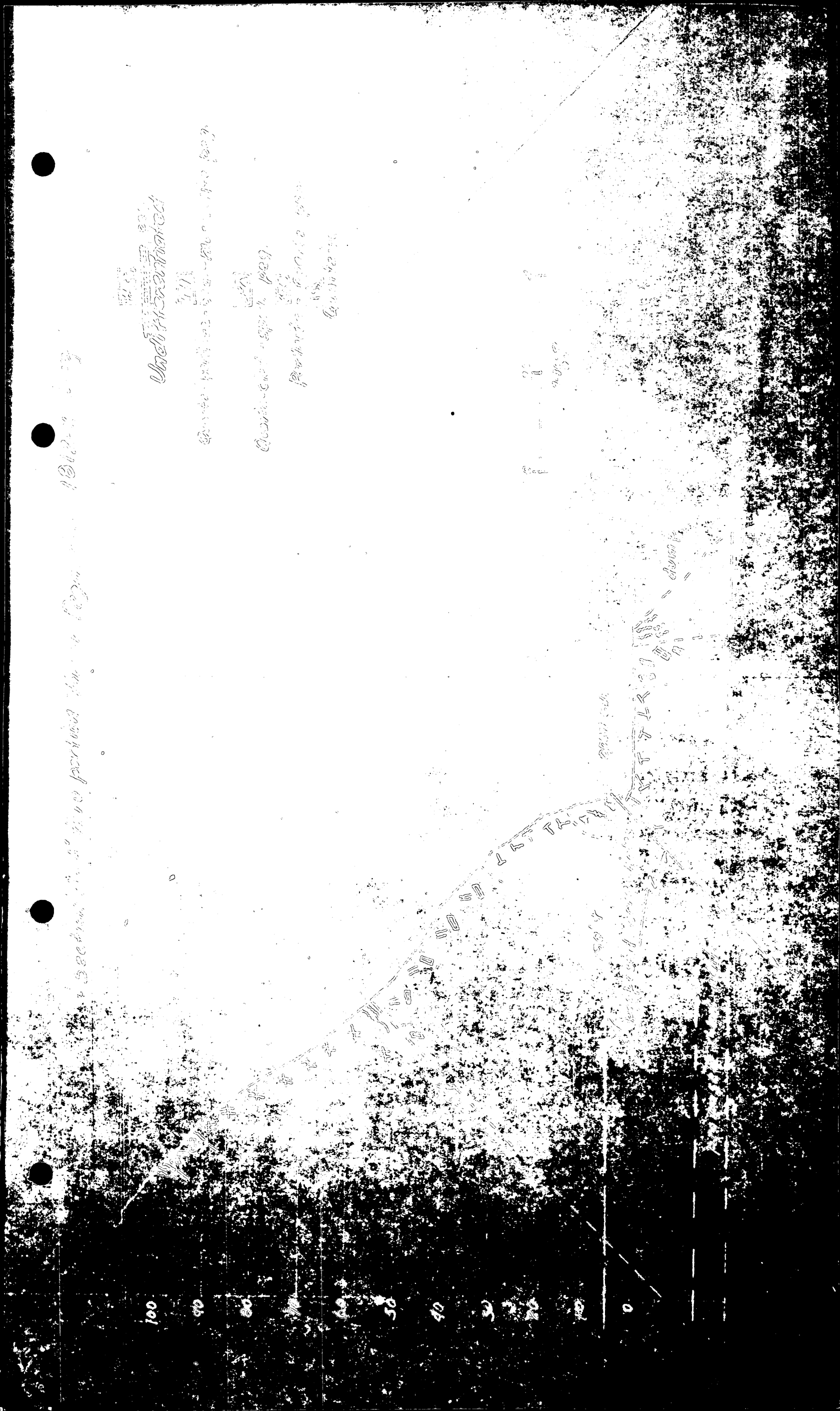
John Tanner
John Tanner

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
OCT 22 10 39 AM '51

U. S. GOVERNMENT PRINTING OFFICE 16—64582-1



SKETCH MAP, TANNER PEGMATITE, LINCOLN, MAINE



AGREEMENT

THIS AGREEMENT, made and entered into this 9th day of September, 1950, by and between John Tanner, hereinafter referred as the Party of the First Part, and Carl L. Wiehe and B. A. Gira, hereinafter referred as the Parties of the Second Part.

WITNESSETH: Whereas, the Party of the First Part is the owner of a certain lode mining claim known as the Tanner Lode Mining Claim, said claim is located in the County of Custer, State of South Dakota, and is more particularly described as being situated about five miles east of Pringle, South Dakota, and adjoining the John Tanner Homestead on the south west.

AND WHEREAS, the Parties of the Second Part are desirous of securing a lease on said Tanner Lode Mining Claim for the purpose of mining and selling the Feldspar, Mica, and all other marketable minerals encountered in the course of the proposed mining operations, and the right to cut any and all timber that will be necessary for the purpose of building bins, laying tract, setting props, and to all such other purposes necessary to a safe and workmanlike operation.

NOW, THEREFORE, the Parties hereto do each mutually, in consideration of the promises and agreements of the other herein contained, promise and agree as follows:

1. The Parties of the Second Part will enter upon the above described property for the purpose of mining, developing, and selling the mineral products therefrom.

2. The Parties of the Second Part agree to pay to the Party of the First Part the payments and royalties as hereinafter set forth:

(a) Fifty cents (50¢) per ton on all Feldspar sold.

(b) Twelve and one half percent (12½%) of the money returns on all other minerals sold.

(c) To furnish the Party of the First Part a copy of all settlement sheets, and to base all payments to the Party of the First Part upon these settlement sheets, and within five (5) days after re-settlement receipt of sale to pay all royatlies due thereon.

3. The Parties of the Second Part agree to repair all fences that may be damaged by their operations; to keep all gates closed in accordance with the wishes of the Party of the First Part; to remove any rock blown onto the fields by their blasting operations; to repair any damage that may be done by them to the roads and bridges of the Party of the First Part.

4. The Parties hereto agree mutually, that if any supplemental agreement becomes necessary during the life of this agreement that same will become part and parcel of this agreement.

5. The Party of the First Part agrees to give the Parties of the Second Part until the 1st day of January, 1951, to start mining operations on the said Tanner Lode Mining Claim, and further agrees that upon the start of said operations that this agreement shall remain in full force as long as said operations shall continue, or until the Parties of the Second Part have defaulted as set forth in paragraph six (6).

6. If the Parties of the Second Part fail for a period of thirty (30) days after receiving a written notice of any default of parties of the Second Part under the terms of this agreement to correct such fault, then the Party of the First Part shall have the right to terminate this agreement.

7. This agreement and lease may be terminated at any time by the Parties of the Second Part by giving and delivering to the Party of the First Part a written notice ofsuch termination, such notice to fix the time for such termination, which will be not less than thirty (30) days from the time such notice is delivered.

8. Except in the case of any default under the terms of this agreement as set forth in paragraph six (6), or of any unliquidated damage to the Party of the First Part, the Parties of the Second Part will have the right to remove all buildings, structures, machinery, and all other personal property at any time within one (1) year from the date of the termination of this agreement, and may before removal have the right of entry to service and care for such property.

9.. Time is the essence of this agreement, and this agreement shall inure to the benefit of and be binding upon the heirs, executors, administrators, successors and assigns of the respective parties hereto.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and seals, the day and year first above written.

George D. Lampert Witness	John Tanner John Tanner, Party of the First Part
Getty J. Gould Witness	Carl L. Wiehe Carl L. Wiehe B. A. Gira B. A. Gira) Parties of the Second Part

State of South Dakota)
) ss
County of Custer)

On this 9th day of September, in the year 1950 A.D., before me, George D. Lampert, personally appeared John Tanner, Carl L. Wiehe and B. A. Gira, known to me to be the to this agreement, and acknowledged to me that they executed the same.

Notarial Seal.
My Commission expires Nov. 11, 1951

George D. Lampert
Notary Public

Filed for record in the office of the Register of Deeds of Custer County, South Dakota September 8, 1951 at 3:15 P.M. and duly recorded in Book 17 of Miscllenous, page 552.

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA 1812X

Date received 7-9-51

Participation

Carl L. Wiehe &
B. A. Gira
Custer, South Dakota
Box 63

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 9 - 1951
LANDON F. STROBEL
Executive Secretary

Name and address of applicant

Date May 31, 1951

FILL IN THIS BLOCK

Date of application May 31, 1951

Estimated cost $19,365.00

Mineral or metal Beryl, columbium-tantalum mica, lithia ores, felfspar

Percentage of Government participation 90%

Location of mine Four miles east of Pringle South Dakota

Date of filing MF-100 None filed

DMA Docket Number, if available ~~None available~~ 1812X

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

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

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

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

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:

(*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.

(*b*) State briefly the known history and production of adjoining and neighboring properties.

(*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

(*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)

(*a*) Describe the ore or mineral deposits briefly.

(*b*) Submit available maps and assay data.

(*c*) Give estimated tonnage and grade of each class of ore reserves.

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

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

(*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.

(*b*) Supervisors, by numbers and positions, with salaries of each.

(*c*) Cost of necessary repairs to existing facilities, structures, and buildings.

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.

(*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.

(*f*) Cost of rental for equipment which the operator proposes to rent.

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.

(*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.

(*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

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

Partnership
(Name of company)

By Carl L. Giehe & B. A. Gira
(Signature of authorized official)

May 31, 1951
(Date)

B. A. Gira
Lessee
(Title)

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

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

SUPPLEMENTAL TO FORM MF-103

Carl L. Wiehe &
B. A. Gira
Application

THE APPLICANT

1. Partnership.

2. Carl L. Wiehe and B. A. Gira both of Custer, South Dakota.

3. Unincorporated.

4. Carl L. Wiehe, born and raised in the Black Hills has had experience in placer and pegmatite mining. B. A. Gira has had 25 years experience in mining developement both in under-ground and open-cut mining, and will manage the exploration.

5. Lessee.

6. The owner declares that there are no obligations against the property.

7. Copies of lease attached.

8. No material sold from this property by lessees. Former lessee states that he sold some beryl, scrap mica, and feldspar. Very little work has been done on this dike. About $250.00 spent by lessees last fall but no material sold.

9. Ten percent of the cost. Yes.

THE PROPERTY

10. (a) Twenty acre claim that extends over half of the length of the claim, and that is over two hundred feet in width. Assessment work done in various places disclosing deposits of scrap mica and feldspar. Open cut started by former lessee has showings of beryl, columbium-tantalum, Scrap mica, and lithia ores, as well as feldspar.

(b) The Tanner Lode is situated about four miles east of Pringle South Dakota, and adjoins the Tanner Homestead. It is recorded with the Register of Deeds, Custer County, South Dakota, which record will be found on page 438 of Book 17 of Locations.

11. Present name the Tanner Lode. Do not know of any other names.

12. Four miles from Pringle, South Dakota, where sidings are available for loading of ore. Material would be hauled over two miles of gravel and two miles of hard surface highway. The property is situated about 17 miles from Custer, a point where supplis can be obtained.

SUPPLEMENTAL TO FORM MF-103

13. Water for drinking, drilling, and for cooling systems could be to location but a small stream that runs most of the year is near the property.
Power to used will be gasoline engine approximately 100 H. P.

14. None.

15. Ore could be hauled to Pringle for shipment over the Burlington railroad. No milling facilities available for the recovery of minerals. The Consolidated Feldspar Company have feldspar grinding mills at Custer and Keystone.

16. (a) Only a small amount of superficial work has been done on this property. Only suspemsion of operations by former lessee, quarreled with owner over right of way and lease was cancelled by court action.

(b) The Dakota and Smith mines are within two miles of property. These mines have produce large amoants of feldspar, together with some beryl, columbium-tantalum, and mica.

(c) No reports have ever been made on this property nor have any metalurgical investigatiom been made.

17. Not in production.

18. (a) Pegmatite dike with beryl, tantalum-columbium, mica, lithia ores, and feldspar in evidence.

(b) Unscaled map to accompany application.

(c) No practical way to estimate tonnage until exploration is completed.

19. None.

THE EXPLORATION

20. Beryl, columbium-tantalum, mica, lithia ores, feldspar.

21. Propose to drive 200' tunnel, and 300' of drift. Estimated time for completion 200 days.

22. Geologic basis for project being that this dike is the type that carries above minerals, and the fact that these minerals are now in evidence.

SUPPLEMENTAL TO FORM MF-103

Carl L. Wiehe &
B. A. Gira
Application

THE REQUIREIENTS AND COSTS

23.	(a)	One miner @ $12.00 per day	$12.00	
		Two muckers @ $10.00 per day	20.00	
		Labor cost per day	$ 32.00	
		Labor cost for the project		$ 6,400.00
	(b)	One lessee supervising @ $12.00 per day		2,400.00
	(c)	None.		
	(d)	Tool shed and compressor house combined		750.00
	(e)	Air Compressor (Estimated)	$ 3,500.00	
		Water head drifter (complete)	1,000.00	
		Mine car	150.00	
		3/4 Ton Pickup truck	1,750.00	
			$ 6,400.00	6,400.00
	(f)	None		
	(g)	None		
	(h)	Powder, fuse, caps, bits, pipe, mine rail, bits.		2,215.00
	(i)	Galoline and oil, and grease		1,200.00
		Total estimated cost of project.		$ 19,365.00

24. Time required is estimated to be approximately 200 days or forty five day weeks. Pay rolls to be made every two weeks. First pay roll and cost if equipment needed at beginning of project. Operating expense and pay roll money needed every two weeks.

Note: Accurate estimations are difficult in these times of rising prices both for materials and labor.

MF-10
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 195

33

Name of Operator Carl L. Wiebe and B. A. Gira, a lessee partnership
Docket No. DMA 1012 X
Total Contract Amount $ 6,685.00
Government Participation: 90% % Amount, $ 6,017.40
Distribution of Expenditures for Month of April

RECEIVED
MAY 19 1952
BUREAU OF MINES
REGION V
MINING DIVISION

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 6 1952

CERTIFICATION

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

Carl L. Wiebe and B. A. Gira,
a lessee partnership
(Name of Company)

By B A Gira
(Signature of Authorized Official)

May 13, 1952
(Date)

Partner
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Fixtures						
2. Operating Equipment:						
(*a*) Purchased[1]						
(*b*) Rented[2]						
(*c*) Furnished by operator						
3. Rehabilitation and Repairs:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Installations						

OPERATOR'S NARRATIVE REPORT

FINAL REPORT

The diamond drilling contractor moved to the Tanner Lode on April 11, 1952 and Hole No. 1 was started on April 15, 1952 and was completed April 22, 1952 to a depth of 108 feet. Hole No. 2 was started on April 25, 1952 and completed May 3, 1952 at a depth of 112 feet. The total aggregate footage drilled was 220 feet.

Drilling results were unfavorable. Hole No. 1 bearing north 86 degrees west and inclined at plus 5 degrees. The first 46.6 feet encountered an extremely hard, fine grained quartzite, following which from (46.6 to 56.0 feet) 9.6 feet of pegmatite was encountered. The pegmatite was fine grained and poor grade, no beryl was noted. The next 41 feet cut through quartzite and then 11 feet of undivided pegmatite. Both the grade and the fine grain character, and the definite thinning of the deposit at the relatively shallow depth of 39 feet below the original cut did not indicate favorable mining operations.

Hole No. 2 was located 56 feet north of Hole No. 1 and was drilled at a bearing of 78.5 degrees west and was inclined at minus 4 degrees. The character of the pegmatite, as well as the thickness, was almost a duplicate of Hole No. 1. Pegmatite was cut at 56 feet and continued to 67.6, a thickness of 12.6 feet, the remaining footage of the hole was in quartzite and undivided pegmatite.

The drilling results indicate that additional work under the contract would not be feasible and the deposit cannot be worked commercially, therefor, no further work is planned, and the contract is terminated.

Dated at Custer, South Dakota this 13th day of May, 1952.

WIRNE & GIRA

By B A Gira
B. A. Gira - Partner.

FINAL ACCOUNTING

The following is a true statement of the total expenditures past, present or future under contract Idm-E 196.

The original and two copies of the drilling contractor's invoice, an original copy of the invoice for core boxes are herewith submitted.

Fillmore Drilling Company	April 30, 1952	$1100.00
Carl A. Wiehe	April 12, 1952	$ 20.00
	Total	$1120.00

Dated at Custer, South Dakota this 13th day of May, 1952.

WIEHE & GIRA

By B A Gira
B. A. Gira - Partner

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor [3]						
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts						
(d) Other	20.00		20.00	20.00	--	20.00
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work	1,100.00		1,100.00	1,100.00	--	1,100.00
11. Other (specify)						
Total	1,120.00		1,120.00	1,120.00	--	1,120.00
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date						

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by E. O. Bunyan
Entered by
Approved by D. F. Mullin Supervising Engineer
Amount approved for payment #1008 - 46
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF _____

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals										

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

FILE COPY
SURNAME:

Robertson
Hyde
a2Kane

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

February 11, 1953

Memorandum

To: Mr. C. O. Mittendorf, Administrator

From: Nonmetallic Minerals Division

Subject: Closing Review of Docket No. DMA-1812X - Beryl-Mica
Contract No. Idm-E195
Date of Contract: October 25, 1951
Property: The Tanner Lode Mining Claim
Custer County, South Dakota
Applicant: Carl L. Wiehe and B. A. Gira,
a lessee partnership
Box 63, Custer, South Dakota
Total approved in Contract $6,686.00
Total accepted cost 1,120.00
U. S. Government's share 90% 1,008.00
Project: Principally diamond drilling
Started 4/15/52 - Completed 5/3/52

Closing: The project was terminated without any significant discovery of beryl or strategic mica. There is no certification of discovery or development. (Copy of closing letter is attached hereto).

Summary of Docket:

7/9/51	Received application MF-103 dated 5/31/51.
7/12/51	Acknowledged receipt of application.
7/16/51	Application reviewed. Prouty and Norton.
7/18/51	Letter from applicant - sent maps.
7/20/51	Application referred to Reg. V for examination.
7/26/51	Letter - Administrator to Hon. Francis Case.
8/6/51	Field Team Report received from Reg. V. Report written by Glen Walker, USBM and J. A. Redden, USGS.
8/13/51	Received six copies of Landlord's Subordination Agreement.
8/17/51	Approval of contract by Tom Lyon. Contract in the amount of $6,900.00.
8/17/51	Approval of a contract by A. B. Parsons.
9/7/51	Telegram from applicant re subordination agreements.
9/20/51	Letter - Barr to applicant re subordination agreements.
9/22/51	Letter from B. A. Gira re subordinations.
9/25/51	Date of contract, Idm-E195
9/27/51	Acknowledged receipt of Landlord's subordination agreements.
10/22/51	Letter from B. A. Gira re subordinations.
10/24/51	Memo. General Counsel to Director Expansion Division. Contract approved in legal form.

11/2/51	Letter to Reg. V forwarding six copies of contract for applicant's signature.
11/23/51	Signed contracts returned.
2/28/52	Letter - Needham to Carl L. Wiehe re completion date.
3/10/52	Amendment No. 1, starting date extended to April 1, 1952.
3/17/52	Amendment No. 1, executed and returned from Reg. V. Completion date advanced to October 1, 1952.
4/3/52	Report on status received from Region V.
5/6/52	Letter. Mr. Needham advises Carl L. Wiehe on procedure for monthly reports.
5/13/52	Received Operator's Final Report. Results unfavorable.
5/23/52	Received Final Field Team Report from Reg. V. Report written by J. A. Redden, Geologist, USGS, and E. O. Binyon, Mining Engineer, USBM. They state "the deposit is too small and low grade to be mined economically at present. This was discussed with the applicants and they are in agreement that further exploration under the contract is not warranted." (Maps and logs on the two diamond drill holes are attached to the field report).
6/6/52	Received MF-104. First and also final operating report.
6/19/52	Date of Final Audit Report. R. M. Hull, Auditor.

Resume of Project Work.

The property is situated about 4 miles east of Pringle, South Dakota. A diamond drilling contractor moved onto the claim April 11, 1952, and Hole No. 1 was started April 15, and completed April 22, 1952, to a depth of 108 feet. Hole No. 2 was started April 23 and completed May 3, 1952 to a depth of 112 feet. Logs of the two holes are presented in the Final Field Team Report together with maps showing the precise location of holes and the pegmatite formations encountered.

Drilling results were unfavorable. The field team concludes that the deposit is too small and low grade to be mined economically at present. This was discussed with the applicants and they are in agreement that further exploration under the contract is not warranted. The zone does not contain a sufficient amount of either mica or beryl. A spodumene-beryl-bearing core noted in the open cut does not extend to the elevation of the holes 29 feet below the cut. Because of smallness and low grade the deposit is not economically important and no certification of discovery is made.

Unit Costs:

A total of 220 ft. of BX hole was drilled, including the boxing of cores, at a total cost of $1,120, or a unit cost of $5.09 per linear foot.

Project Cost: (As reported in Final Audit Report by Robt. M. Hull, Auditor, 6/19/52).

The review disclosed the following facts in regard to the amount paid or to be paid the contractor:

Total cost as billed by Contractor	$1,120.00
Exceptions: None	-0-
Total Accepted Cost	$1,120.00

The contract calls for a 90 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of One thousand and eight Dollars and 00/100

- $1,008.00 -

is considered valid and proper.

Closing of Docket:

No significant discovery of strategic mica or beryl was made. The docket is closed in accordance with a closing letter to the operator signed by the Administrator. A copy of the letter dated _____1953 is attached hereto.

Jasper T. Robertson
Nonmetallic Minerals Division

Attachment

JTRobertson:gad 2/11/53

Copy to: Admr. R. Filr
Docket File
Mr. Houk

☑ Audited

☐ Certified

WORK ANALYSIS SHEET - DMEA PROJECT

Analysis as of Dec 6 1954
Incl. Voucher for May 1952

☑ Actual Cost

☐ Agreed Unit Costs

Name Carl L. Wiehe & B.A. Gim

Docket No. DMA 1812 X

State South Dakota

Commodity Beryl, Mica

Idm-E No. 175

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting	210 ft	4826.00	0	0	0
Raising					
Shafts					
Winzes					
Drilling (Specify) Diamond	250 ft	1350.00	220	1120.00	1120.00
Surface Excavation					
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased		210.00		0	0
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.		300		0	0
Other (Specify)					
Totals		6686.00		1120.00	1120.00

Prepared by James Hopkins

COPY

March 4, 1955

Memorandum

To: Mr. Jay L. Chambers

From: Lawrence G. Houk (initialed) L. G. H.

Subject: Closing dockets

The Nonmetallic Minerals Division have reviewed the following contracts and do not intend to make certifications of discovery or development:

Idm-E52	DMEA-1212	Idm-E	DMEA-
40	1213	217	1969
13	1679	244	1955
73	519	253	2134
74	1390	257	2077
78	1664	272	2360
93	812B	288	2344
97	1224	324	2255
121	1517	344	2156
124	1318	373	2439
125	1720	411	2528
129	1665	430	2524
134	1732	433	2620
140	1813	444	2646
179	1122	450	2681
180	1250	480	2725
191	1914	497	2778
195	1812	507	2840
198	1929	518	2785
211	1721	524	2909
216	2104	543	2950
		565	3030

FILE COPY
SURNAME:

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

6.0

Robertson
Hoch
Dr Rose
Hoffmann
Chandler

Messrs. Carl L. Wiehe and
E. A. Gina
Box 63
Custer, South Dakota

Subject: Docket No. [illegible]-18121 - Beryl-Mica
The Tanner Lode Mining Claim
Custer County, South Dakota
Contract No. [illegible]-2193

Gentlemen:

This is with reference to the subject exploration project contract between Carl L. Wiehe and E. A. Gina, a lessee partnership, and the Government.

The final audit of the contract expenditures and the final reports of the Operator and the Field Team have been received and accepted by this Administration. Of the total amount of $6,666.00 approved under the contract, the amount of $1,[illegible].00 was expended and the Government's share of 90%, or $1,00[illegible].00 was disbursed. There were no unused materials, supplies or equipment to be disposed of for the joint account of the Operator and the Government.

Although the results of the exploration project were unfavorable, the work was completed in a satisfactory manner. Under the circumstances, it is not our intention to make any certification of discovery or development which will create a lien against the project property, and we are, therefore, closing our books and records with respect to this project. Your attention is called, however, to paragraph 11 of the Contract which requires the Operator to "keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract."

Your interest in the Exploration Program of the Defense Minerals Exploration Administration is appreciated.

Sincerely yours,

Administrator

JTRobertson:gad 2/11/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Selfridge
Mr. Chambers
Mr. Hoffland
Field Team, Region V
Mr. Johnson
Mr. Hook

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Region V
2908 Colfax Avenue South
Minneapolis 8, Minnesota

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 6 1952

June 4, 1952

Memorandum

To: Operating Committee, Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

From: Executive Officer, Field Team, Region V

Subject: Operator's Monthly Progress Report for April 1952
Docket DMA-1812x, Contract Idm-E195
Wiehe and Gira

Here are two copies of the subject report, as processed for payment, for your files.

A. B. Needham
Executive Officer
Field Team, Region V

Attachment

ABNeedham:dt
cc Dutton
Region V
files
df

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
Region V
2908 Colfax Avenue South
Minneapolis 8, Minnesota

May 21, 1952

Memorandum

To: Operating Committee, Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

From: Executive Officer, Field Team, Region V

Subject: Government final report - Docket DMA-1812x, Contract Idm-E195 Weihe and Gira

Here are the original and two copies of the final report by the Government on the subject docket. The operator's final narrative report accompanies the final monthly voucher.

The project was officially completed by mutual consent on May 4, 1952.

Final expenditures are as follows:

Total amount of contract	$6,686.00
Government's share (90%)	6,017.40
Total amount expended on project	1,120.00
Government's share of expended money (90%)	1,008.00
Amount that can be released into general exploration fund	5,009.40

A. B. Needham
Executive Officer
Field Team, Region V

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 23 1952

Attachments 3

ABNeedham:dt
cc Dutton
Region V
files
df

Final F.T. Rpt.

S&S

FINAL REPORT

EXPLORATION OF THE TANNER PEGMATITE

Beryl-Mica

DMEA Docket 1812

Contract Idm E-195

by

J. A. Redden, Geologist
U. S. Geological Survey

E. O. Binyon, Mining Engineer
U. S. Bureau of Mines

DEPARTMENT OF THE INTERIOR
Defense Materials Information
[illegible]
[illegible] 23 1952

Reviewed by
DMEA OPERATING COMMITTEE
6-4-52
(date)

Exploration of the Tanner Pegmatite, Docket No. DMEA-1812, Contract Idm E-195, Pringle, South Dakota

The Tanner pegmatite is located in the E½ sec. 17, T. 5 S., R. 5 E., Black Hills Meridian, Custer County, S. Dak. The claim is owned by John Tanner of Pringle, S. Dak., and is leased by B. A. Gira and Carl Wiehe, the applicants, of Custer, S. Dak.

The first phase of the exploration was to consist of a maximum of 250 feet of diamond drilling. If the drilling results were favorable, a second phase consisting of drifting was to be undertaken.

The diamond drilling ended on May 4, 1952, upon the completion of two holes totaling 220 feet. The results of the drilling are not favorable for continuing with the drifting phase of the exploration.

The accompanying map and drill hole sections indicate that the zoned pegmatite is very thin and is separated from the large undifferentiated pegmatite by a considerable thickness of quartzite. If the bottom of the open cut was cleared of broken rock it is believed that the footwall wall zone would be visible. This is one of the easiest explanations for the cessation of mining in the old open cut.

Two zones were distinguished in the drill core, as indicated in the accompanying logs of the holes. These consisted of a 3- to 5-foot thick wall zone composed of quartz-perthite-plagioclase-muscovite pegmatite, and a 5- to 6-foot thick intermediate zone consisting of quartz-perthite pegmatite. The spodumene- and beryl-bearing core that is present in the edge of the open cut was not found in the holes.

The wall zones are relatively thick for the size of the pegmatite. The only mineral of importance which they contain is muscovite, but it is mostly fine-grained and of scrap quality. The perthite in the intermediate zone is mostly graphically intergrown with quartz and is not acceptable for sale in the local feldspar mills. Beryl was not found in any of the zones in the drill core.

The tonnage of the zoned pegmatite is much smaller than was evident from the surface exposures. An estimate of the total reserves in the deposit, based on the sections shown in the accompanying map extended to a depth of 40 feet below the drill holes, is 20,000 short tons. Of the total reserves, 12,000 tons are in the wall zone and 8,000 tons in the intermediate zone.

The wall zone is estimated to contain 38 percent perthite and 5 percent muscovite. However, the mica is almost entirely of scrap grade and much of it is small grained. Most of the perthite is too small to be recovered economically. It is apparent that the wall zone cannot be mined profitably.

The intermediate zone contains approximately 40 percent perthite of which, owing to the grain size and quality, only about 30 percent is recoverable. The zone does not contain a sufficient amount of either mica or beryl to be mined at a profit.

The spodumene-beryl-bearing core noted in the open cut does not extend to the elevation of the holes 29 feet below the cut. Because of its size and grade it is not economically important.

From the drilling results the field team concludes that the deposit is too small and low grade to be mined economically at present. This was discussed with the applicants and they are in agreement that further exploration under the contract is not warranted.

Diamond Drill Hole No. 1, Tanner Pegmatite, Pringle, South Dakota

Location of collar:	52' from approximate contact of pegmatite along bearing of hole
Elevation of collar:	4,701 feet
Bearing:	N. 87° W.
Inclination:	Plus 3°
Length:	108 feet

Length in feet	Description
0 - 45.9	Quartzite. Mostly impure and badly fractured. The average length of unfractured pieces of core is about 0.1 foot. Recovery, 88 percent.
45.9 - 49.0	Pegmatite. Contact angle approximately 77°. Wall zone composed of 46 percent quartz, 35 percent perthite, 10 percent plagioclase, 7 percent muscovite, and 1 percent each of biotite and tourmaline. The average grain size is about 0.7 inch. The perthite grains average about 2 inches in diameter. The muscovite books are small and average about 0.9 inch in diameter. None of the mica books are very large nor of better than scrap quality. Much of the mica is bordered by altered layers of what appears to be former mica.
49.0 - 55.5	Pegmatite. Intermediate zone composed of quartz-perthite pegmatite. Composition: 53 percent quartz, 42 percent perthite, 2 percent muscovite, 2 percent plagioclase, and accessory tourmaline. The average grain size is about 0.1 foot, due mainly to the coarser perthite crystals which are as large as 0.6 foot. Most of the perthite is graphically intergrown with quartz and is not commercially acceptable.
55.5 - 58.6	Pegmatite. Wall zone, composed of 42 percent quartz, 40 percent perthite, 10 percent muscovite, 8 percent plagioclase, and 1 percent tourmaline. The average grain size is about 0.8 inch. The quartz and plagioclase average only about 0.3 inch in grain size. Most of the mica is in small books and relatively fine-grained. Core recovery for the entire pegmatite interval is 100 percent.
58.6 - 97.5	Quartzite. Contact angle with the pegmatite is 70°. Thin pegmatite stringers (o.2 foot thick) encountered at 81.0 and 82.8 feet. No consistent bedding angle in the quartzite.
97.5 - 103.5	Pegmatite. Contact angle approximately 40°. Undifferentiated, relatively fine-grained pegmatite composed of

Length in feet	Description
97.5 - 103.5 (cont.)	nearly equal amounts of quartz, perthite, and plagioclase. Quartz and perthite probably exceed plagioclase by about 5 percent.
103.5 - 108.0	Quartzite. Impure, similar to sandy schist. Hole ends at 108.0 feet.

Diamond Drill Hole No. 2, Tanner Pegmatite, Pringle, South Dakota

Location of collar:	62 ft. from contact of pegmatite along bearing of hole, penetrates pegmatite 16 feet to north of open cut.
Elevation of collar:	4,710 feet
Bearing:	S. 80°, 30' W.
Inclination:	-4°
Length:	112 feet

Length in feet	Description
0 - 17.0	Overburden. No core.
17.0 - 54.0	Quartzite. Impure, having poor bedding.
54.0 - 59.0	Pegmatite. No contact angle. Wall zone composed of 57 percent quartz, 20 percent perthite, 10 percent plagioclase, 7 percent muscovite, 5 percent biotite, and 1 percent tourmaline. The muscovite is in lath-like books, at least 0.2 feet in length. None of the mica appears to be of sheet quality. Many of the books are somewhat altered along the edges. The average grain size of the interval is about 0.6 inch.
59.0 - 63.5	Intermediate zone, quartz-perthite pegmatite. Composition estimated at 55 percent quartz, 40 percent perthite, 2 percent plagioclase, 2 percent muscovite, and 1 percent tourmaline. The largest single interval of perthite is only about 0.4 foot in length. Most of the perthite averages about 0.1 foot in grain size, and is graphically intergrown with quartz.
63.5 - 67.5	Wall zone, composed of 45 percent quartz, 39 per cent perthite, 10 percent muscovite, 5 percent plagioclase, and 1 percent each of biotite and tourmaline.
67.5 - 90.5	Quartzite. Contact angle approximately 80 percent.
90.5 - 100.5	Pegmatite, undifferentiated. Contact angle approximately 40°.
100.5 - 112.0	Quartzite, impure. No contact angle.
112.0	End of hole.

OPERATOR'S NARRATIVE REPORT

FINAL REPORT

The diamond drilling contractor moved to the Tanner Lode on April 11, 1958 and Hole No. 1 was started on April 15, 1958 and was completed April 22, 1958 to a depth of 106 feet. Hole No. 2 was started on April 26, 1958 and completed May 2, 1958 at a depth of 112 feet. The total aggregate footage drilled was 220 feet.

Drilling results were unfavorable. Hole No. 1 bearing north 86 degrees west and inclined at plus 3 degrees. The first 46.6 feet encountered an extremely hard, fine grained quartzite, following which from (46.6 to 56.0 feet) 9.5 feet of pegmatite was encountered. The pegmatite was fine grained and poor grade, no beryl was noted. The next 41 feet cut through quartzite and then 11 feet of unlivined pegmatite. Both the grade and the fine grain character, and the definite thinning of the deposit at the relatively shallow depth of 39 feet below the original cut did not indicate favorable mining operations.

Hole No. 2 was located 26 feet north of Hole No. 1 and was drilled at a bearing of 72.5 degrees west and was inclined at minus 4 degrees. The character of the pegmatite, as well as the thickness, was almost a duplicate of Hole No. 1. Pegmatite was cut at 56 feet and continued to 67.4, a thickness of 12.4 feet, the remaining footage of the hole was in quartzite and unlivined pegmatite.

The drilling results indicate that additional work under the contract would not be feasible and the deposit cannot be worked commercially, therefor, no further work is planned, and the contract is terminated.

Dated at Custer, South Dakota this 18th day of May, 1958.

WIRER & GIRA

By B A Gira
B. A. Gira - Partner.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D. C.~~
Region V
2900 Colfax Avenue South
Minneapolis 8, Minnesota

May 6, 1952

Mr. Carl L. Wiehe
Box 63
Custer, South Dakota

Dear Mr. Wiehe:

Reference is made to your DMEA Contract Idm-5195, Docket DMA-1812x, for exploration of the Tanner lode in the Black Hills.

This office has been directed, by way of Circular 19 issued by the Washington office of DMEA, to inform all operators of exploration projects that it will be necessary to support the original of the monthly reports (Form MF-104) with documentary proof of costs. Such proof shall consist of the original invoices (or certified copies where originals are not available), certified transcripts of payrolls, purchase orders, purchase contracts, and distribution statements (for costs distributed on a pro rata basis to the projects). The certification required is merely "Certified true copy (or transcript)", followed by the operator's signature.

Effective date of submitting such documentary support of costs is May 1, 1952. Therefore, all monthly reports submitted subsequent to that date shall include the supporting material. In the future, please submit five copies of Form MF-104.

If you are in doubt as to procedures, please feel free to contact our Rapid City office.

Sincerely yours,

Department of the Interior
Defense Minerals Exploration
MAY 8 1952

A. B. Needham
Executive Officer
Field Team, Region V

ABNeedham:ct
cc Latten
Mullen
Redden
Hill
[illegible] (Wash) ?
Region V
files
df

BL

Taken from Memo. 4/3/52 from Executive Officer, Region V to Operating Committee; Status of projects in re. to discoveries.

Other projects have not progressed far enough to make a determination as yet. They are such dockets as 812x-a, 1813x, 1554x, 1812x, 2073x, 2011x, and 2078x.

The foregoing is the status of all projects to April 1, 1952.

Docket Copy.

OFFICE OF THE ADMINISTRATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

~~WASHINGTON 25, D. C.~~
Region V
2908 Colfax Avenue South
Minneapolis 8, Minnesota

March 14, 1952

Memorandum

To: Operating Committee, Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

From: Executive Officer, Field Team, Region V

Subject: Amendment No. 1 to Docket DMEA-1812x, Contract Idm-E195
Weihe & Gira
Custer, South Dakota

Here are the original and three copies of Amendment No. 1 to the subject contract extending the starting date to April 1, 1952.

This was necessary because of the difficulty in obtaining a drill contractor for the proposed drilling. Fillmore Drilling Co. is the only drill contractor in the Black Hills, and he has been booked up pretty solid.

He has drawn a contract with the subject operators and will get started within the amended time.

This amendment advances the completion date to October 1, 1952.

A. B. Needham
Executive Officer
Field Team, Region V

Attachments 4

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
MAR 1 6 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WA[redacted]
Region V
2906 Colfax Avenue South
Minneapolis 8, Minnesota

February 28, 1952

Mr. Carl L. Weihe
Box 63
Custer, South Dakota

Dear Mr. Weihe:

For your information and advice, the completion date of your contract Idm-E195, dated October 25, 1951, is April 11, 1952.

We suppose you plan to complete the proposed work within that time.

Sincerely yours,

A. B. Needham
Executive Officer
Field Team, Region V

ABNeedham:dt

cc Dutton
Mullen
Redden
DMEA (Wash) 2
Region V
files
df

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 3 - 1952

A.C.

OFFICE OF THE ADMINISTRATOR

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.

Nov 26 9 10 AM '51

DEPARTMENT OF THE INTERIOR RECEIVED NOV 26 1951 Defense Minerals Administration, Production Expansion Division.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Region V
2908 Colfax Avenue South
Minneapolis 8, Minnesota

November 23, 1951

Memorandum

To: C. O. Mittendorf, Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region V

Subject: Docket DMA-1812x, Contract Idm-E195
Wiehe and Gira
Custer, South Dakota

Here are the original and three copies of the subject contract, duly executed by the operators.

A copy has been retained in the Regional files.

A. B. Needham
Executive Officer
DMEA Field Team, Region V

Attachments

FILE COPY
SURNAME:

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

Nov 2 1951

Mr. A. B. Needham
Executive Officer, Region V
2908 Colfax Ave., South
Minneapolis 8, Minnesota

Re: Docket No. 1812 X
Contract Idm-195
Carl L. Wiebe and B. A. Gira

Dear Mr. Needham:

Enclosed herewith are the original and five copies of the subject Exploration Contract, which I have signed for the Government, together with Exhibit "A" (3 pages), Landlord's Subordination Agreement, and two maps.

These are to be presented to the Operator for his signature. If the terms and conditions of this contract meet with the approval of the Operator, one copy is to be given to him and one copy retained for your files. Please return the original and three copies to this office for distribution.

If any part of this contract does not have the approval of the Operator, the original and all copies of the contract are to be returned to this office together with the proposed changes for consideration.

Please note that the following major change has been made in the contract as originally outlined:

1. The labor force has been reduced from four to three men.

The above change has reduced the total estimated cost of the project from $6,900.00 to $6,686.00.

Sincerely yours,

(signed) FRANK E. JOHNSON (fw)

Acting Director,
Production Expansion Division

Enclosures-6
APPROVED:

GCSelfridge/hmj Typed: 10-25-51
cc to: R & R
Adm. Reading File
PED
Mr. Moon
Mr. Barr
Mr. Josephson
Mr. Norton
Mr. Selfridge
Region V
Docket

Chairman, Coordinating Committee

Member, Bureau of Mines

Member, Geological Survey

FILE COPY
SURNAME:

140
~~DMA-1812X~~

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

October 24, 1951

not stripped in RR.

Memorandum

To: Director, Production Expansion Division

From: General Counsel

Subject: Carl L. Wiehe & B. A. Gira, exploration project contract -- Docket No. DMA-1812X

The proposed exploration contract, submitted to us on October 23, 1951, is approved as to legal form and sufficiency for signature on behalf of the Government, subject to:

1. Proper signature by the applicants.
2. Proper dating prior to delivery.
3. Government approval of any subcontracts.

Your file is returned herewith.

J. L. Hofflund

J. L. Hofflund
General Counsel

Attachment

RRGuthrie/ema

Copy to: Reports & Records
J. L. Hofflund
R. R. Guthrie
Chron.

O.K.

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

BLACK SPAR PRODUCERS ASSOCIATION

Black Hills Pegmatite Minerals

OCT 22 10 39 AM '51

CUSTER, SOUTH DAKOTA

DEPARTMENT OF THE INTERIOR
RECEIVED
OCT 2 2 1951
Defense Minerals Administration,
Production Expansion Division.

October 20, 1951

United States Department of Interior
Defense Minerals Administration
Washington 25, D. C.

Re: DMA-1812X
Beryl, Mica, etc.

Gentlemen:

Enclosed herewith, please find the Landlord's Subordination Agreement, signed by Mr. Tanner. We note that Mr. Tanner signed these blanks with lead pencil and hope that this will pass, in as much as it has taken so much time to get them signed as is.

Yours very truly,

Wiehe & Gira

By B A Gira
B. A. Gira.

BAG:mh
Enclosure.

400

FILE COPY
SURNAME:

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

Selfridge
Mittendorf

AIR MAIL

A.E.C.

SEP 27 1951

Messrs. Carl L. Johnson
B. A. Gira
Box 63
Custer, South Dakota

Re: Docket No. DMA-1812X, beryl, mica, etc.

Gentlemen:

This acknowledges receipt of your letter of September 2[illegible], 1951 enclosing the Landlord's Subordination Agreement for the R. H. McHenry application.

As some time has passed since Mr. Barr wrote you, the 30 days will expire November 1, 1951.

We are enclosing herewith a copy of form AD-5 as amended. Section 13 of the form may aid you in your difficulties with Mr. Tanner.

Sincerely yours,

C. O. Mittendorf (J.K.) J.K. 9.27

C. O. Mittendorf, Director
Production Expansion Division

Enclosures

GCSelfridge/jem
9/26/51

cc to: Adm. Reading File
Reports & Records
Messrs. Mittendorf, Olund
Field Team, Reg. V
Mr. Selfridge
Docket

Model for age

DEPARTMENT OF THE INTERIOR
RECEIVED
SEP 25 1951
Defense Minerals Administration,
Production Expansion Division

FELDSPAR PRODUCERS ASSOCIATION

Black Hills Pegmatite Minerals

CUSTER, SOUTH DAKOTA

OFFICIAL FILE COPY

September 22, 1951

To	From	Date
for	A. & C	9-25-

United States Department of the Interior
Defense Minerals Administration
Washington 25, D. C.

Re: DMA-1812X
Beryl, Mica, etc.
And R. H. McHenry Application DMA 2011

Attention: James A. Barr, Sr., Chief

Gentlemen:

Referring to the Landlord's Subordination Agreement in connection with the DMA-1812X contract. When the original blanks were received from Washington, we foolishly gave two of the blanks to other prospective applicants for an exploratory loan. This left us without the required number of blanks to forward to Washington. In the meantime our landlord, Mr. John Tanner, became possessed with the idea that were he to sign these blanks that his ranch and all his other possessions would be liable for the amount of the loan. The writer visited him this past week and had almost persuaded him to affix his signature, but at the last moment he decided that he would bring all the papers to an attorney in Custer for an opinion in the matter. He was quite busy trying to get his crops in before bad weather.

Enclosed herewith please find the Landlord's Subordination Agreements in the application of R. H. McHenry, Buffalo, Wyoming.

Please advise the date that the 30 days will expire in the matter of the DMA-1812X application and contract.

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D.C.
SEP 25 8 59 AM '51

Yours very truly,

Wiehe & Gira

By B A Gira
B. A. Gira

Sept 26 '51

Then subordinating agreements refer to DMA # 2011, which application is now in Lands & field team for exam.
W.B.

FILE COPY
SURNAME:

Waskey
Barr

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

370
a. E. C.

SEP 20 1951

Messrs. Carl L. Wiehe &
B. A. Gira
Box 63
Custer, South Dakota

Subject: DMA-1812X
Beryl, Mica, etc.

Gentlemen:

Please refer to our letter of August 13, 1951, and your wire to us of September 7. The necessary executed Landlord's Subordination Agreements have not been received to date. Unless these are received within 30 days, we will regard subject application as being withdrawn. In that event it would be necessary for you to file an entirely new application should you wish to apply for Government assistance on this deposit in the future.

Sincerely yours,

9-20 cc

James A. Parr, Sr., Chief
Industrial Minerals Branch

RWASKEY:mp
9-19-51
cc: DMA Docket File
Mr. Selfridge - room 4070
Mr. Barr

FILE COPY
SURNAME:

Barr

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

370

Memorandum

To: Chief, Industrial Minerals Branch, DMA

From: Chief, Programming and Planning, DMA

Subject: DMA-1812X
Carl L. Wiehe & B. A. Gira
Commodities: Mica, Beryl, Columbo-tantalite
Amount approved: $6,900

The prospective available supply of Beryl, Strategic Mica and Columbo-tantalite, is far short of meeting defense requirements. Consequently, it is highly desirable that exploration for new domestic deposits be stimulated by any reasonable Government assistance to private interests. Any exploration project that holds promise of finding significant new reserves, merits consideration by the Defense Minerals Administration.

A. B. Parsons

RWASKEY:mp
cc: 210
Mr. Parsons
Mr. Barr
Mr. Norton
Mr. Mittendorf
DMA Files

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

(14)

W. P. MARSHALL, PRESIDENT

1201

SYMBOLS

DL=Day Letter

NL=Night Letter

LT=Int'l Letter Telegram

VLT=Int'l Vtd Letter Telegram

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1951 SEP 7 2 PM

SEP 7 2 19 PM '51

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.

WP069 NL PD=CUSTER SDAK 6

=UNITED STATES DEPARTMENT OF THE INTERIOR=

400

DEFENSE MINERALS ADMN=

RE DWA-1812X LANDLORDS SUBORDINATION AGREEMENT WILL GO FORWARD VIA AIR MAIL 7TH=

WIEHE AND GIRA BY B A GIRA=

Ready when rec'd — correct

SEP 7 2 00 PM '51
BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.

AUG 1 7 1951

MEMORANDUM:

TO: Director, Production Expansion Division
Defense Minerals Administration

FROM: Director, Supply Division
Defense Minerals Administration

SUBJECT: Recommendation for Contract Approval

Name of Applicant: Carl L. Wiehe & B. A. Gira
Box 63
Custer, South Dakota

DMA No. 1812X

Commodity: Beryl, Mica, Columbo-tantalite

Amount Requested: $ 19,365

Amount Approved: $ 6,900

Government Participation: 90 % $ 6,210

Tom Lyon

Tom Lyon

RECOMMENDATIONS

1. That an exploration aid contract be granted in the amount of $6,900, Government Participation 90%, in accordance with Exhibit "A", attached.

2. That the project be authorized in 2 stages, "A" and "B"; stage "A" to consist of diamond drilling to the extent of 250' (BX Core) and stage "B" - 210' of crosscutting.

3. That stage "B" be authorized only on successful completion of Stage "A" and approval of Field Team.

4. That applicant be allowed 30 days from signing of contract to begin work.

DMA-1812X

Exhibit "A"

Description of work

Stage "A" - Two ~~additional~~ diamond drill holes (BX core) to a maximum total length of 250' will be placed as shown on attached map and cross-section. Depth of individual holes will be mutually agreeable to Field Team member and operator. Allowable time - 1 month.

Drilling will be done by contract. Core handling, testing, etc., will be supervised by Field Team member.

Recapitulation of costs

Construction of 12' x 18' core house, tool shed, shelter	$ 300.00
Drilling by contract 250' @ $5.00	1,250.00
Core boxes, handling, assays, etc.	100.00
Total	$1,650.00

Stage "B" - Crosscut will be driven to a maximum lenght of 250' as shown on attached map and cross-section. Allowable time - 3 months.

Recapitulation of costs

Labor, including payroll taxes & insurance	210' @ $11.76	$2,470.00
Supervision	210' @ 4.43	930.00
Compressor rental	210' @ 3.03	636.00
Rental drifter, column, steel, bore, etc.	210' @ 1.14	240.00
Supplies: - gasoline, powder, fuel, caps, mine car, rail, ties, etc.	210' @ 4.64	974.00
Total	210' @ 25.00	$5,250.00

Labor and Supervision

Stage "A" - Not applicable.

Stage "B"

1 - Working Foreman	@	$1.50 per hour
1 - Miner	@	1.50 per hour
2 - Muckers	@	1.25 per hour

These rates do not include overtime, payroll taxes or insurance.

Facilities

Stage "A"

1 - Core shed, tool shed, shelter $ 300.00

Stage "B" - Not applicable

(shed built under Stage "A" will also serve for Stage "B").

Contracts

Stage "A" : Diamond drilling 250' (BX) @ $5.00 $ 1,250.00

Stage "B": The operator may contract the crosscut if he so desires, and with permission of Field Team.

Rental Equipment

Stage "A" - Not applicable.

Stage "B"

1 - 110 CFM Portable gasoline powered compressor 3 months @ $212.00	636.00
1 - Drifter, complete with column, base, steel, etc. 3 months @ $80.00	240.00

Supplies, etc.

Stage "A" - Core boxes, shipping, testing	100.00
Stage "B" - Mine car, rails, gasoline, powder, etc.	974.00

FILE COPY
SURNAME:

Barr

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

370

AUG 13 1951

Messrs. Carl L. Wiehe &
B. A. Gira
Box 63
Custer, South Dakota

Re: DMA-1812X

Gentlemen:

Replying to your letter of July 18, we enclose six copies of Landlord's Subordination Agreement, Form MF-202. Please have these executed and return to us as promptly as possible.

Sincerely yours,

8/13

James A. Barr, Sr., Chief
Industrial Minerals Branch

Enclosures

RWASKEY:mp
8/10/51

cc: 210
Mr. Barr
Field Team, Region V (2)
DMA Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
2908 Colfax Avenue South
Minneapolis 8, Minnesota
Region V

August 6, 1951

Memorandum

To: Tom Lyon, Chairman, Coordinating Committee, Defense Minerals Administration, Interior Building, Washington 25, D. C.

From: Executive Officer - DMA Field Team, Region V

Subject: DMA Docket 1812-X - Carl Wiehe and B. A. Gira - Tanner Pegmatite, Pringle District
DMA Docket 1814-X - Rodney Wineteer - Wayside Claim, Custer District

Returned herewith are the application, review of application, and four copies of the Field Team report for DMA Docket No. 1812-X, Tanner Pegmatite, Custer County, South Dakota, recommending modified exploration.

Also returned are the application, review of application, and four copies of the Field Team report for DMA Docket No. 1814-X, Wayside Claim, Custer County, South Dakota, denying the application.

Enclosures:

A. B. Needham

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 6 1951

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION V

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 6 1951

DMA-1812X

Tanner Pegmatite, Pringle District

Custer County, South Dakota

Glen Walker, Mining Engineer
U. S. Bureau of Mines

J. A. Redden, Geologist
U. S. Geological Survey

August 1, 1951

On-Site Rpt.

DEFENSE MINERALS ADMINISTRATION
Report of Field Examination

by

Glen Walker, Mining Engineer
U. S. Bureau of Mines

J. A. Redden, Geologist
U. S. Geological Survey

Docket No.: DMA-1812X
Property: Tanner
Applicants: C. L. Wiehe and B. A. Gira
Commodity: Beryl, columbium, tantalum, mica, lithia ores

Conclusions and Recommendations

The amounts of beryl and mica observed on this property justify an expenditure for some exploration.

It is recommended, as the first phase, that two Bx core holes totaling about 250 feet be drilled from the open cut. (See maps). The first hole will be horizontal, the other at a proper angle to obtain information as to depth possibilities of the deposit. The second phase would depend upon favorable data obtained from the core drilling. This additional work would consist of driving a 5-foot by 7-foot crosscut adit approximately 200 feet at an elevation 20 to 30 feet below the existing open cut. The project as outlined would prospect about 48,000 tons of pegmatite at a cost of approximately 14 cents a ton.

Manpower in this area is not at present readily available. This condition exists because the higher paying construction jobs are available at this season.

The equipment used on this project is to be all rented or contracted; therefore, it should be available as several concerns in Rapid City are in the equipment rental business.

The project is located within one-fourth mile of a ranch, which is only a hundred yards off a county-maintained, all-weather graveled road.

Water sufficient for this project is available at the ranch. Power will be produced by gasoline, which will be delivered to the property in barrels.

The applicants, particularly Gira, have a very wide experience in practical mining of pegmatites.

Exhibit A

The pegmatite to be explored can best be described as a pegmatite within a pegmatite (see sketch map). The coarse-grained pegmatite represents a separate intrusion plastered in and along the edge of the finer-grained pegmatite, or possibly a portion of the larger pegmatite which was able to differentiate to a greater extent.

The exposed coarse-grained pegmatite has a length of 120 feet and a maximum width of 75 feet. The eastern dip-slope contact dips steeply to the east. The west border contacts fine-grained pegmatite and is especially discernable at points where mica-bearing pegmatite is developed in the wall zone. At other points the contact is less distinct and grades into the finer-grained pegmatite. A roll of schist, mostly eroded, marks the general trend of this contact. The northern contact is even more gradational and is roughly parallel to an easterly trending "bulge" of the finer-grained pegmatite. The plunge of the coarse-grained pegmatite

is questionable, but it is probably steep to the east.

It is possible to distinguish three pegmatite zones in the open cut. These include a quartz-perthite-plagioclase-muscovite unit, apparently wall zone; a perthite-quartz-plagioclase pegmatite intermediate unit; and a quartz-cleavelandite-spodumene pegmatite unit, apparent core.

The quartz-perthite-plagioclase-muscovite pegmatite unit is exposed as the outer edge of the pit, and over the entire dip-slope of the coarse-grained pegmatite. The average thickness of the zone is about 4 feet. Its composition is estimated at 40 percent quartz, 38 percent perthite, 15 to 20 percent plagioclase, and 5 percent muscovite. Biotite and tourmaline are accessory minerals. Perthite crystals average about 4 inches in diameter, but may attain a foot or more in size. Muscovite occurs as blades as much as 2 feet in length and 8 inches in breadth. These are commonly intergrown with biotite and are roughly oriented perpendicular to the contact.

The intermediate zone contains about 5 percent less plagioclase than the outer zone and only 1 or 2 percent of muscovite. Perthite is in excess of quartz by about 3 percent. The distinguishing features of the unit are the lack of bladed muscovite books and the occurrence of coarser-grained perthite, in masses up to 5 feet across.

A quartz-cleavelandite-spodumene pegmatite unit exposed in one edge of the pit may represent the core of the pegmatite. There is a strong possibility that the unit is a fracture filling body and may or may not represent part of the core. Only a small part of the unit is exposed and only about 10 percent of that was spodumene. The spodumene occurs as laths as much as 3 feet in length.

A small amount of sheet and punch quality mica occurs in the outer zone. Most of the mica is of scrap quality and probably none is better than No. 2 or No. 2 inferior.

Beryl was found only in the edge of the apparent core. No attempt was made to make an accurate estimate of the grade of the zone since most of the zone is covered by broken rock. A rough guesstimate would be that the beryl would not exceed 0.6 percent of the zone.

Columbite-tantalite was reported to have been found during assessment work, but none was observed. It probably occurs in the apparent core, associated with cleavelandite masses.

Large reserves of perthite are present, and most of that in the intermediate zone is minable. Part of the perthite is of poor quality because of quartz inclusions. It is questionable that the exposed pegmatite could be mined for perthite alone.

The spodumene is minable, but such a small portion of the spodumene-bearing unit is exposed that no estimate of reserves is possible.

It is recommended that a limited amount of exploration work be conducted on this property. The pegmatite could be most adequately explored by a drift, 100 feet or less in length, at the floor level of the pit and trending due west.

The pegmatite could also be explored by diamond drill holes. These should be located along the east contact and should trend about due west at a low angle or horizontal.

There is not sufficient geologic evidence to warrant a large exploration loan (over $3,000) at present. The results of a relatively small

amount of work will determine the need for more extensive exploration.

The five beryl crystals noted were 4 to 6 inches in diameter and about 1 foot in length. They were distributed in or near the contact of the intermediate zone and the core. A rather exhaustive search in the mica-rich portion of the wall zone failed to locate beryl; however, numerous muscovite crystals, several inches in diameter, were observed. The open cut was about half full of muck; therefore, a complete examination of it was impossible.

The project, as modified, consists of first: two Bx core holes drilled from one set-up in the open cut. This work will be contracted but the direction of the holes and the examination of the cores will be the responsibility of the DMA field team. Should the drilling prove the deposit dips into the hill and that it extends below the proposed adit level, then a 5-foot by 7-foot adit, of sufficient length to crosscut the pegmatite, is recommended. The crosscut is for the purpose of further appraising the grade of the deposit with regard to muscovite and beryl. The drilling can be started after negotiations with core drilling contractors are completed and can probably be finished in 20 shifts. The time required for the crosscutting should be about 70 shifts, which makes a total of 90 shifts or about 16 weeks (6-day) for completion of the project.

Building 12' x 18' tool shed	$ 300.00
250 feet diamond drilling @ $5.00 per foot	1,250.00
210 feet crosscut adit @ $25.00 per foot	5,250.00
Total cost of project	$ 6,800.00

The monthly progress and costs are estimated as follows:

1st month (20 shifts) - 250 feet diamond drilling	$ 1,250.00
2nd month - 70 feet crosscut adit	1,750.00
3rd month - 70 feet crosscut adit	1,750.00
4th month - 70 feet crosscut adit	1,750.00
Total	$ 6,500.00

Exhibit B

1 - 12-foot by 18-foot tool shed	$ 300.00

Exhibit C

Cost of rental on 110 cfm air compressor @ $212 per mo.	$ 636.00
Cost of rental on drifter and accessories @ $80 per mo.	240.00
Cost of core drilling contract @ $5.00 per foot	1,250.00
Total	$ 2,126.00

Exhibit D

Cost of labor and supervision:

1 - miner @ $1.50 per hr. or $12.00 per day	) Plus overtime
2 - muckers @ $1.25 per hr. or $10.00 per day	) Plus 6 percent insurance
1 - foreman @ $12.00 per day	) and tax = $48.70 per day

Total for project	$ 3,408.96

Exhibit E

Not applicable.

July 26, 1951

Code 370

Hon. Francis Case
United States Senate
Washington 25, D. C.

My dear Senator Case:

We have your letter of July 20 in regard to applications of Mr. Francis Michaud, docketed DMA-1813X, and Mr. B. A. Gira, docketed DMA-1812X.

These applications are in the hands of the DMA Field Team for examination. We expect to receive these reports soon and the final processing will be completed as rapidly as possible.

The application of Mr. Mont Heumphreus, docketed DMA-1268X, did not come within the scope of the exploration loan regulation M.O.-5. A letter was addressed to the applicant suggesting an application for a development loan.

If we can be of any further service, do not hesitate to call on us.

Sincerely yours,

Administrator

JABARR:mp
cc: Administrator's Reading File
Mr. Barr
Reports and Records Unit
DMA Files

FILE COPY
SURNAME:

Barr
Ron
Tyson

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

JUL 20 1951

Code 307

Carl [illegible] . A. Mrs
Box [illegible]
Custer
South Dakota

Subject: [illegible]-1 12-X
[illegible]

Gentlemen:

[illegible]

Tom Lyon

Tom [illegible], Director
[illegible]

[illegible] July 17, 1951

cc: Reports and Records Unit
[illegible]. Barr
Field Team, Section V (2)
[illegible] Files

[illegible]

[illegible]

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

Mr. A. B. Needham
2908 Colfax Ave. So.
Minneapolis 8,
Minnesota

Dear Sir:

We attach "Review of Application for Exploration Assistance" covering

Applicant Carl L. Wiehe & E. A. Gira, Custer, So. Dak.

Docket No. DMA-4812-X

Commodity Beryl, columbium, tantalum, mica, lithia ores

Amount $ 19,365

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

Very truly yours,

RW:mas

cc: Mr. Moon
Mr. Barr

Tom Lyon, Chairman
Coordinating Committee

For Bureau of Mines

For Geological Survey

FELDSPAR PRODUCERS ASSOCIATION

Black Hills Pegmatite Minerals

CUSTER, SOUTH DAKOTA

July 18, 1951

1812 X

United States Department of the Interior
Defense Minerals Administration
Washington 25, D. C.

Gentlemen:

We are mailing under seperate cover, maps of the proposed exploratiom on the Wiehe - Gira Lease on the Tanner Lode, your reference DMA-1812X. The figures shown on these maps are estimated and approximate.

We have been unable to get the proper form for the owner's subordination of his interests to those of the Government's. Whenever this contract is required and the forms available, it will be signed and ready for attachment to the contract.

On the application MF-103 on the above application under the sub-heading "The Requirements and Costs", question 23. (b), it was shown that one lessee would supervise the project at $12.00 per day. The answer should have revealed that it is intended that lessee would work on the exploration project, and supervise the proposed work.

Yours very truly,

WIEHE - GIRA LEASE

By B A Gira
B. A. Gira

1812 X sent to Jack D 7-18

Department of the Interior
Defense Minerals Administration
RECEIVED
JUL 23 1951
LANDON F. STROBEL
Executive Secretary

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA 1812 X

Commodity Beryl, columbium-tantalum, mica, lithia ores.

Total Amount $19,365.00

Govt. Participation 90%

1. Name and Address of Applicant Carl L. Weber & B.A. Giva
Box 63, Custer, So. Dak

2. Location of Property 4 miles east of Pringle, Custer County
South Dakota

3. Mineral or metal Beryl, columbite-tantalite lithia ores, mica feldspar. Is it listed in Section 9 of MO-5? Yes
If not, application will be rejected.

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

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

a) Good

b) Poor

c) None

d) Don't know—needs field examination ✓

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

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

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

Does the lease have sufficient time to run to cover a future productive period? Yes - if kept in good force

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes

a) MF-201? —

b) MF-202 None attached

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

a) Available manpower _____

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

c) Accessibility (question 12)* _____

d) Water (question 13)* _____

e) Power (question 13)* _____

Is a field check needed on any of these points? _____

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

Operating experience OK: supervisory & planning ability doubtful

Is a field check needed on this point? Yes

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

a) Is the project adequately described? No

If not, are there sufficient data given so that you can describe the project? No If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? No

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? Probably yes but not described.

If not, what part of it is? _____

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed? No

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? No If so, attach a draft.

e) Are the cost estimates reasonable? None given

f) Should more information be requested from applicant? Yes - by field team

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

11. Exhibit B (question 23-d)*

a) Is it applicable? Yes - (cost as given - probably high)

b) If so, are sufficient data furnished? No If so, attach a draft.

c) Is a field check needed? Yes -

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

a) Is it applicable? Yes -

b) Sufficient data? No If so, attach a draft.

c) Are rents and charges reasonable? Appear high -

d) Is a field check needed? Yes - as to needs & costs

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

a) Are there sufficient data? Yes

b) Is the schedule adequate for the work proposed? Yes

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

d) Are the proposed wages and salaries reasonable? Yes

e) Is a field check needed? Yes - to confirm estimate

14. Exhibit E (question 23-c)*

a) Is it applicable? No - no facilities or structures on property

b) Sufficient data? —

c) Reasonable? —

d) Field check needed? —

15. In your judgment, can the proposed work be done in the proposed time? Program excessive - Proper exploration can be completed in time given —

(All exploration must be completed within two years)

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

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Check exploration possibilities of property + location + amount of work proper to an exploration program. The equipment & labor required should also be determined. The main features to be tested should be reported.

Reviewed by: [illegible]

J J Norton 7/16/51

Date 7/09/51

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

7/12/51

Docket No- DMA 1812 X

Section 10- Exhibit "A."

The project covered by this application is very poorly described merely as, "200 feet of tunnel (probably meaning an entry cross-cut) and 300 feet of drift." No description is given of the dike to be explored nor is the location of the work given. Probably at least part of these footages will be exploration but it is rather doubtful that the entire footage would fall under that classification.

The field team should check the potential value of the work to be done & whether the pegmatite to be explored justified this amount of work. The equipment & labor force required for this project should also be checked.

Section 11. Exhibit "B."

A tool house & protection for the compressor will be needed but should be constructed at less cost than estimated in the application.

Section 12 Exhibit "C"

A compressor & drilling equipment will be needed for this work but the size & specifications should be checked by the field team. Also, the justification for a truck should also be discussed by the field team with the applicant in order that items to be of main use in production operations be omitted from the exploration project.

(D)
7/12/51

D.M.A. 1812 X.

Section 13 Exhibit "D"

The labor force listed in the application appears to be adequate for the project as far as it is described & the wage rates appear reasonable. If the lessee is qualified for the supervisory job the rate quoted is reasonable, he should also care for the operation of the equipment & do odd jobs in addition to supervising the underground work.

Section 14 Exhibit "E"

As there are no facilities or structures now on the property there will be no repair work or rehabilitation necessary

Section 16 - Recommendations.

This application should be referred to the field team which should investigate the property to ascertain whether or not it warrants an exploration program. It should also discuss with the applicant & decide on the best method & location to test the pegmatite & the potentialities of the area in regard to the various strategic minerals.

The question of proper equipment, labor force, &c should also be investigated. Also the cut-off between exploration & production preparation should be determined.

[illegible]

FILE COPY
SURNAME:

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

July 12, 1951

Mr. Carl L. Wiehe
Box 63
Custer, South Dakota

Subject: DMA-1812X
Re: Exploration Loan - Tanner Lode

My dear Mr. Wiehe:

Receipt is acknowledged of your application and attachments for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1812X and referred to Mr. James A. Barr, Chief, Industrial Minerals Branch on July 10, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1812X.

Sincerely yours,

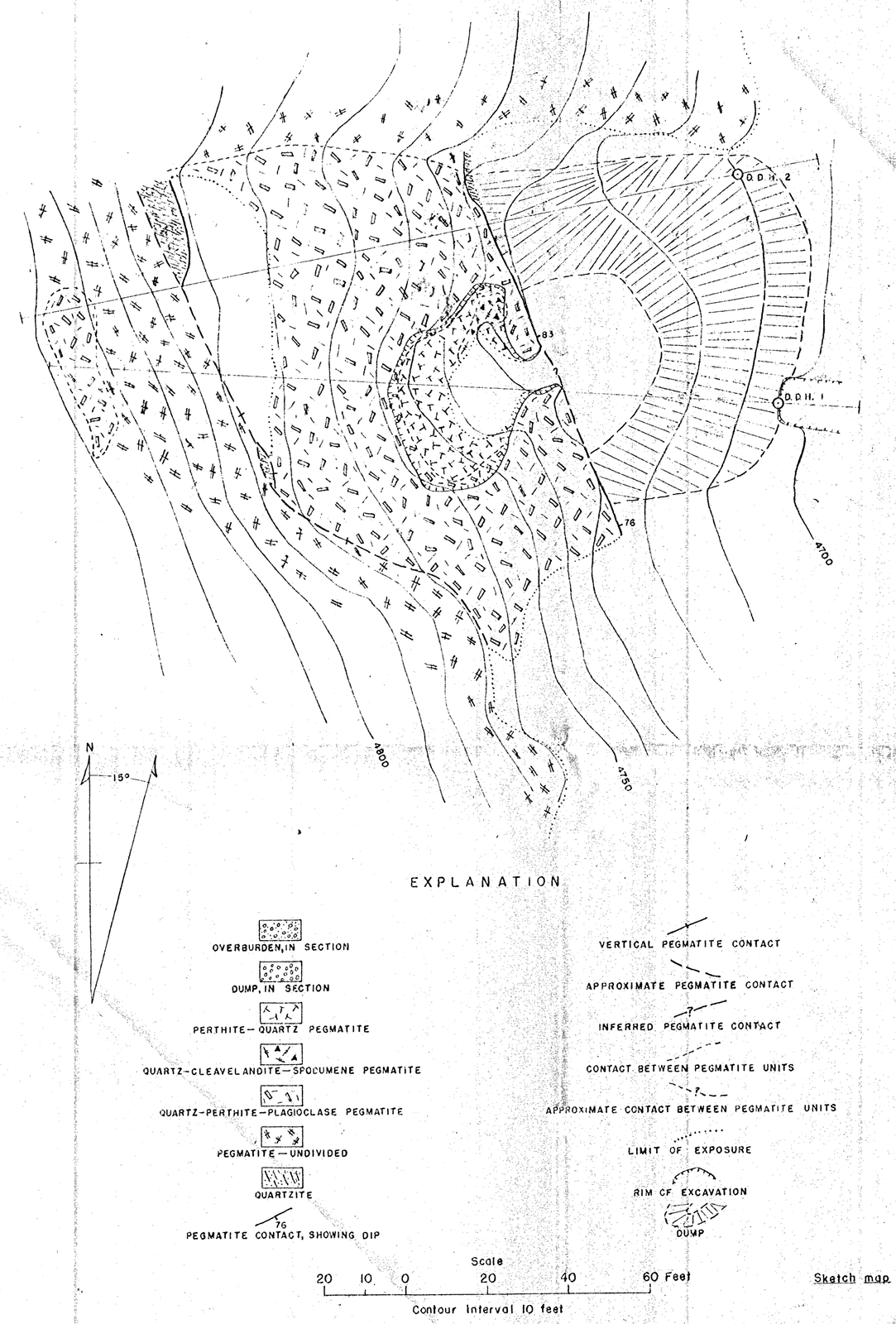
LANDON F. STROBEL
jc

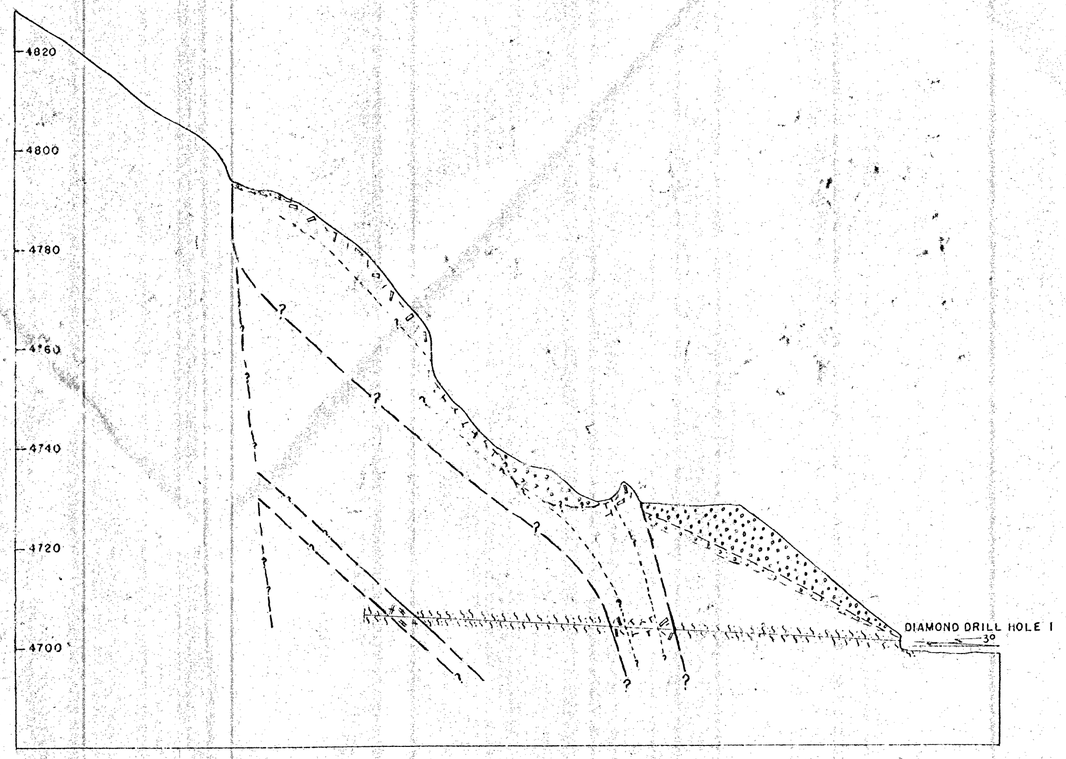
Landon F. Strobel
Executive Secretary

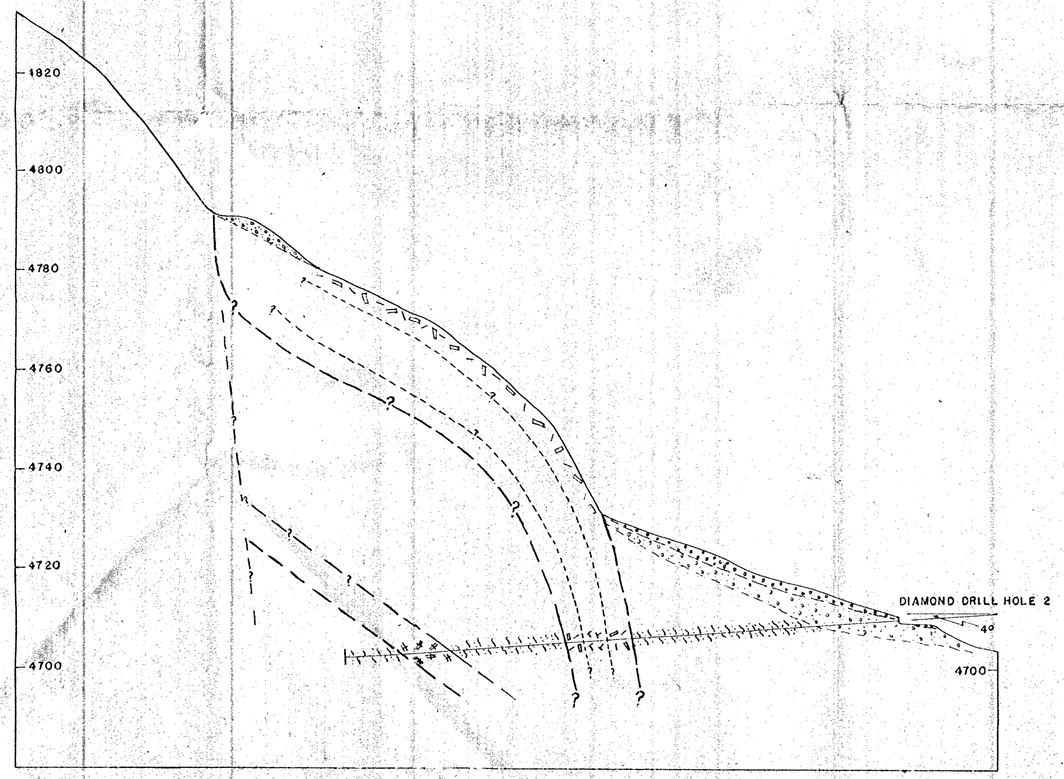
L. F. Strobel:jc
cc: Strobel
File
Barr
Lyon

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PREPARED FOR D.M.E.A.



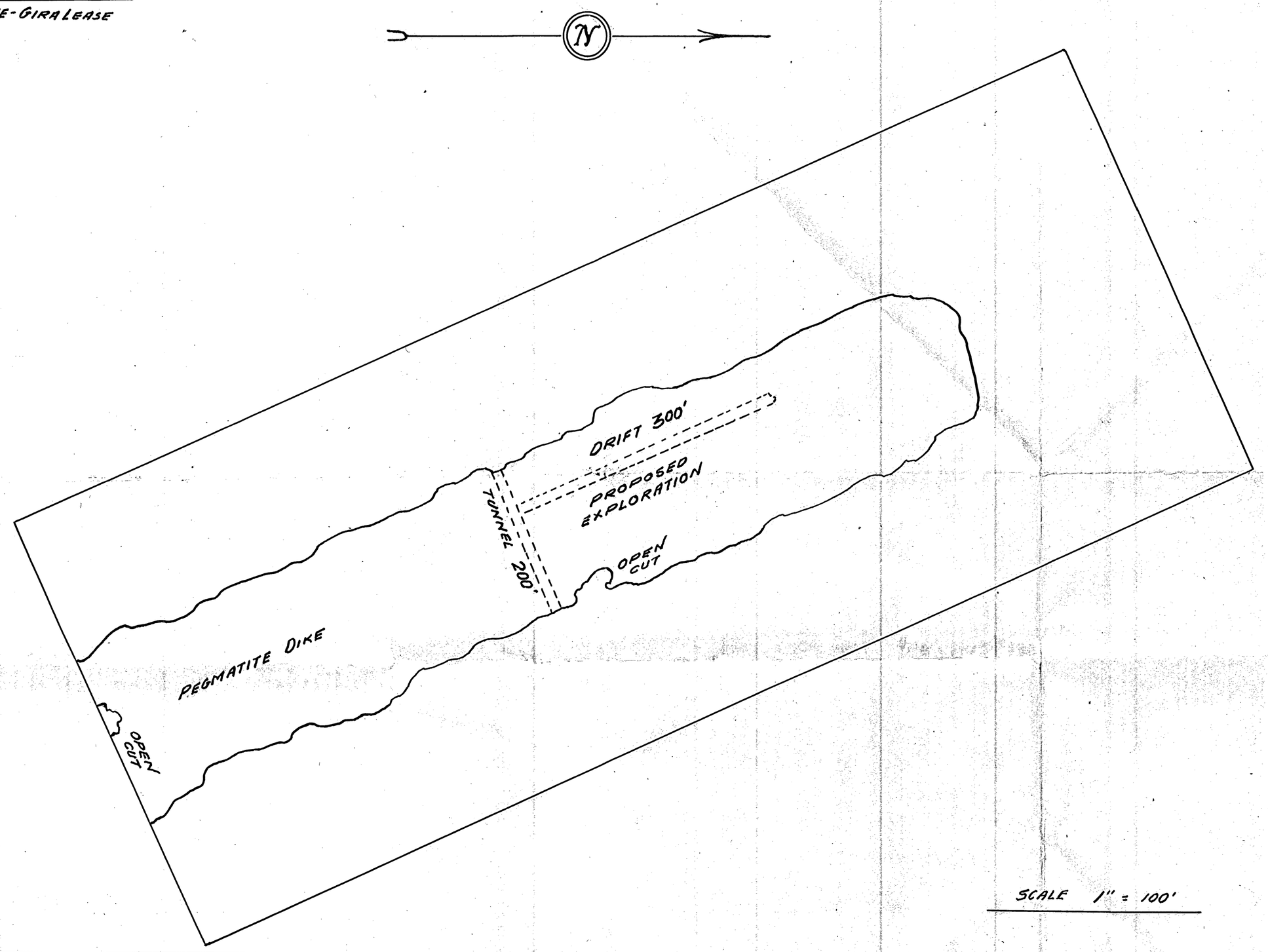




GEOLOGIC MAP AND DIAMOND DRILL HOLE SECTIONS, TANNER PEGMATITE, PRINGLE, CUSTER COUNTY, SOUTH DAKOTA

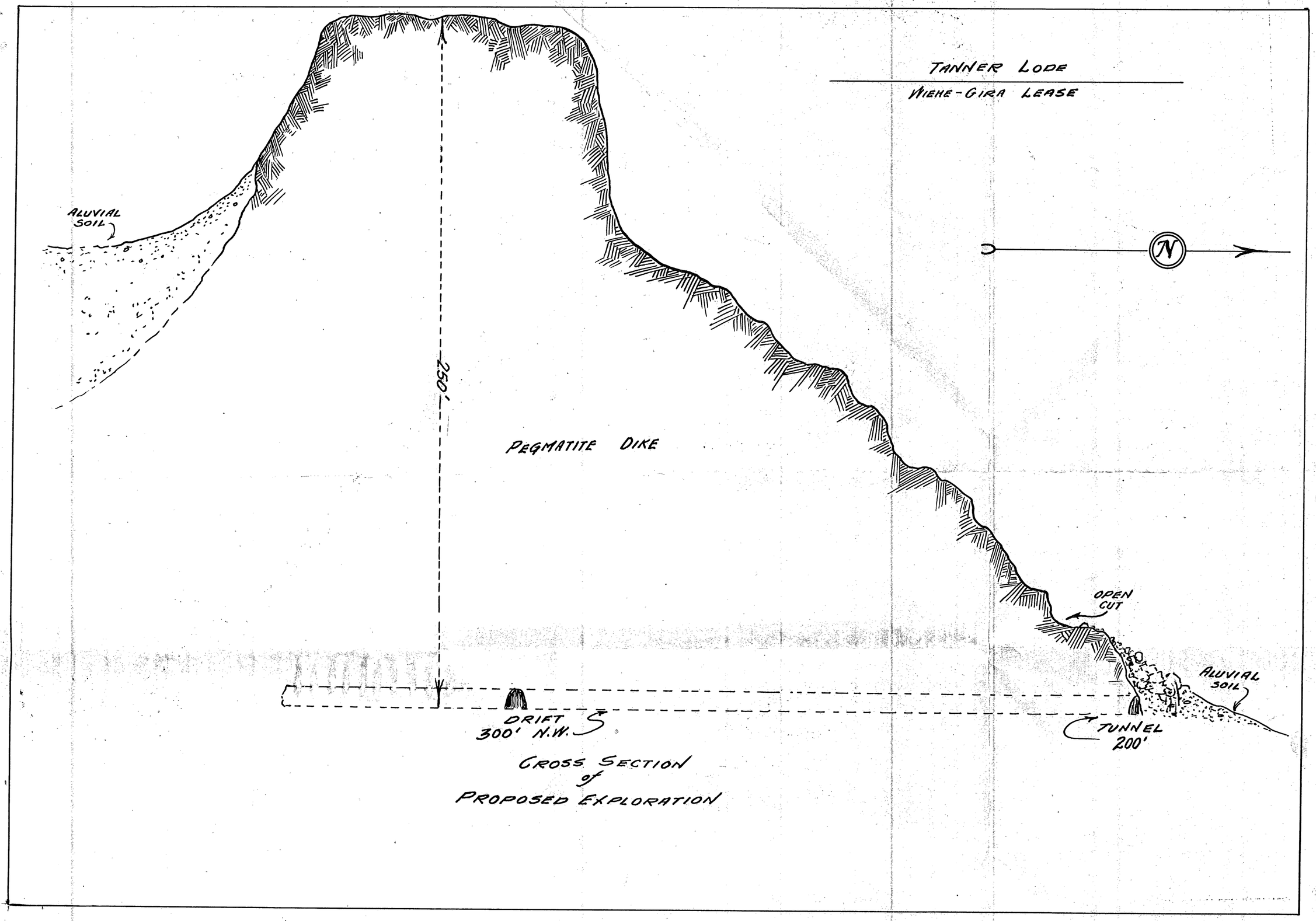
TANNER LODE

WIEHE-GIRA LEASE



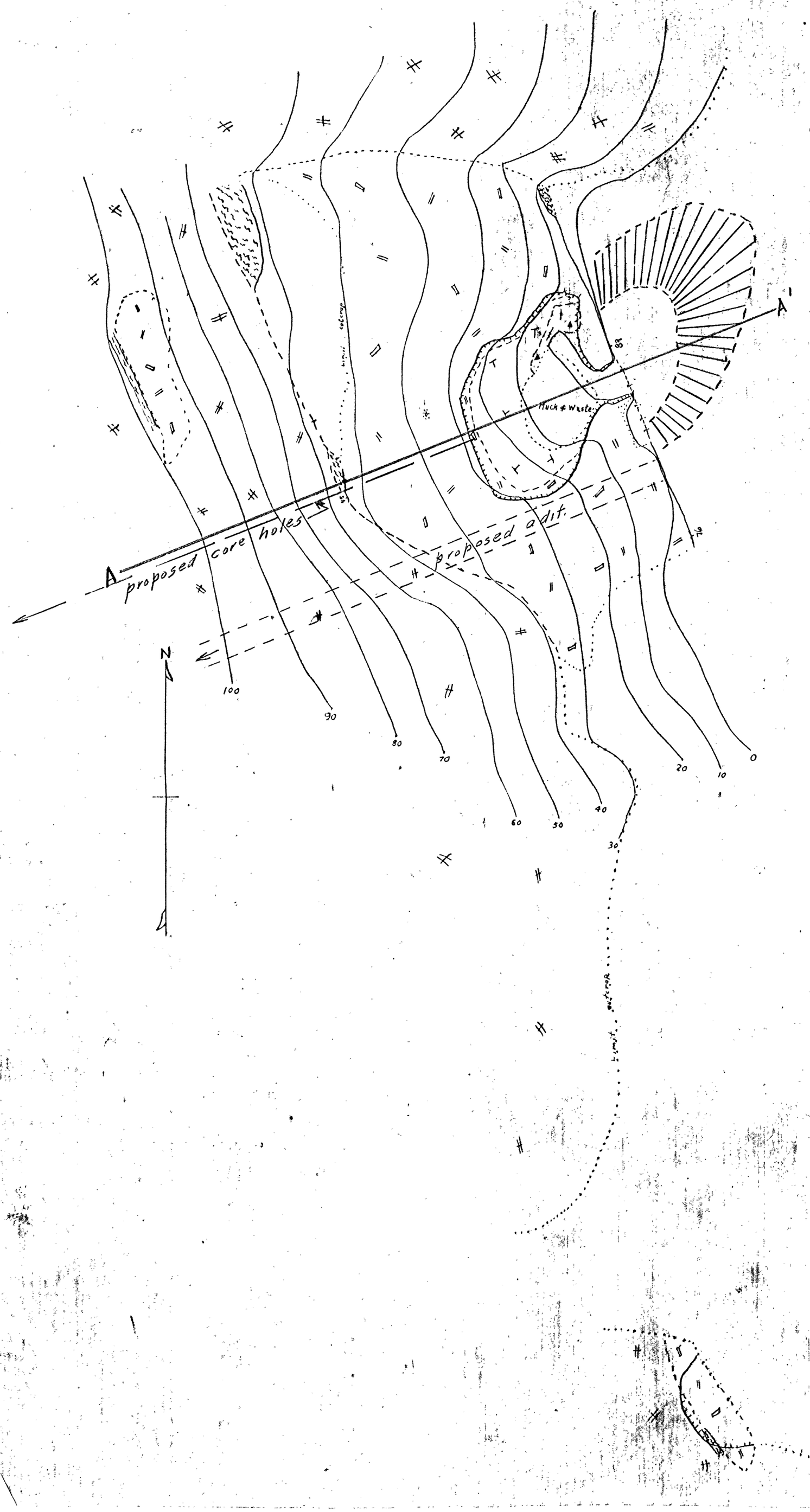
SCALE 1" = 100'

dma. 1812 X



CROSS SECTION of PROPOSED EXPLORATION

Amal 1812 X



EXPLANATION

Pegmatite ~~Undivided~~ Undifferentiated

Quartz - Perthite - Plagioclase - Muscovite Pegmatite

Quartz - Cleavelandite - Spodumene Pegmatite

Perthite - Quartz Pegmatite

Quartzite

Pegmatite Contact

Scale

20 10 0 20 40 Feet

1812-X

SKETCH MAP, TANNER PEGMATITE, PRINGLE, S. DAK.

CONTOURS APPROXIMATE