700

FILE COPY
Surname:
Ching
Elly
Kirkpatrick
Lehnde
Robertson

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

MAR - 1 1956

Mr. George L. Neubauer
Route 2, Box 118
Bovey, Minnesota

Re: Docket No. DMEA-4176 (Uranium)
W. H. N. prospect
St. Louis County, Minnesota

Dear Mr. Neubauer:

Your application for aid in an exploration project and other information available to us in Washington concerning the above-named property have been reviewed.

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

Careful study of all our information indicates to us that the probability of disclosing significant ore reserves is not sufficiently promising to justify Government participation. We regret to advise you that, under these circumstances, your application for exploration assistance is denied.

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

In accordance with the notations thereon we are returning the following documents:

1. Four copies of Source Material Prospecting Permit and Agreement issued by the State of Minnesota.

2. One copy of a letter, dated July 14, 1955, from the Bureau of Mines' North Central Experiment Station to you, showing radiometric assay results on two samples.

Sincerely yours,

C. O. Mitbendorf

Administrator

Enclosures

DMEA Field Team, Region V (2)
Operating Committee
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

MChing/izm 2-27-56
cc to: Docket
Code 700
Mr. Ching
Admr.'s Reading File

R.C.B.

Docket Copy

700 Ching Ellis

February 27, 1956

SUMMARY OF PROPOSED PROJECT

Object: Denial of application for an exploration project.

Docket No.: DMEA-4176

Commodity: Uranium

Applicant: George L. Neubauer
Route 2, Box 118
Bovey, Minnesota

Property: The SW$\frac{1}{4}$ of sec. 35, T. 63 N., R. 21 W., St. Louis County, Minnesota. Applicant holds a Prospecting Permit and Agreement issued by the State of Minnesota.

Date of Application: February 7, 1956

Amount of Application: $41,472.00

Work Proposed: 2,592 feet of diamond drilling presumably to test an indicated vein at depth. No details of program given:

Estimated Costs:

| | | |
|---|---|---|
| Labor & supervision | $22,731.34 | |
| Operating supplies | 2,620.00 | |
| Equipment purchases | 11,345.00 | |
| Equipment rental | 1,394.00 | |
| Miscellaneous | 3,381.46 | |
| Estimated Total Cost of Project | | $41,472.00 |
| Government Participation @ 75% | | $31,104.00 |

Field Team Comments:

In a memorandum, dated February 10, 1956, forwarding the application to this office, Robert A. Laurence and A. L. Peyton, the Region V Field Team, stated: "We take a very dim view of a plan to do $41,472.00 worth of work - or any work at all - on an area whose only samples contained only 0.01% equivalent $U_3O_8$."

Commodity Group Comments:

USGS, N. E. Nelson, February 15, 1956:

High radiometric readings are said to have been obtained over a large area and exceptionally high readings over an indicated

vein 30 feet wide and $\frac{1}{4}$ mile long. Except for one (actually two) sample which showed 0.01% $eU_3O_8$, no quantitative data are given. Denial of the application without an examination is indicated, but the Applicant might be asked for figures to support the claim of radioactivity.

Note: While Mr. Nelson goes on to recommend referral to the Field Team, he advised Mr. Ching orally that he is convinced that additional information of any value probably could not be supplied by the Applicant, and the available information certainly does not warrant a field examination.

USBM, John E. Crawford, February 21, 1956:

Discussed the application with the AEC representative. Bureau of Mines report of radiometric analyses indicate that samples submitted by Applicant contained .01% $eU_3O_8$ and were probably from a large granitic-type deposit. Such deposits containing a small percentage of uranium are relatively common and do not warrant further investigation. It is suggested that the application be denied.

Rare & Miscellaneous Metals Division, Michael Ching, February 27, 1956:

The Applicant's bases for the proposed exploration are exceptionally high radiometric readings on the property and the fact that two surface samples assayed 0.01% $eU_3O_8$. It is reasonable to assume that the best showings on the property were selected for sampling; therefore, when such samples assay only 0.01% $eU_3O_8$ the chances of finding worthwhile mineralization on the property cannot be good. Anomalous radioactivity in relation to large granitic-type deposits is not uncommon and does not have unusual significance.

The amount of exploration proposed, contrasted with the estimated cost, appears to be quite unrealistic, and does not place the Applicant in a favorable light as far as ability to carry out an exploration project is concerned.

Conclusions and Recommendations:

The information presented by the Applicant does not justify further investigation of this property. It is recommended that the application be denied without a field examination.

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

2-24-56 Lyn

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

RECEIVED
FEB 23 1956

February 21, 1956

Memorandum

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

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

Subject: Application for assistance, DMEA Docket 4176, George L. Neubauer, St. Louis County, Minnesota

I have reviewed the attached application of George L. Neubauer, DMEA Docket 4176, dated February 7 and received in this office February 15. I have also discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

After having reviewed the information provided by Mr. Neubauer, the applicant, relative to a uranium exploration program on property located in St. Louis County, Minnesota, we suggest that the application be denied. Bureau of Mines reports of radiometric analyses indicate that material submitted by the applicant contained .01 percent equivalent $U_3O_8$ and was probably from a large granitic-type deposit. Such deposits containing a small percentage of uranium are relatively common and we do not feel that they warrant further investigation.

Maps and sketches which the applicant stated were enclosed with the application were not received by this office, nor has the applicant provided sufficient geologic information to properly evaluate the subject property.

John E. Crawford
John E. Crawford

Attachment

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

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FEB 23 1956

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John E. Crawford

Attachment

2-20-56 [illegible]

IN REPLY REFER TO:

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

February 15, 1956

RECEIVED
FEB 17 1956

Re: DMEA 4176
Geo. L. Neubauer
W. H. N. prospect
St. Louis Co., Minn.
$41,472.00 - Uranium

Memorandum

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

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

Subject: Review of application.

The applicant requests assistance in exploring by diamond drilling 160 acres of land underlain by foliated granite gneiss.

High radiometric readings are said to have been obtained over a 'large area' and exceptionally high readings over an indicated vein 30 feet wide and a quarter of a mile long. Except for ~~one~~ two sample which showed 0.01% $eU_3O_8$ no quantitative data are given.

To test the possible showings the applicant proposes purchasing a complete drill rig to drill 2,592 feet of hole at an estimated cost of $16.00 per foot.

Denial of the application without an examination is indicated, but the applicant might be asked to supply some figures supporting the claim of radioactivity.

Referral to the Field Team for appropriate action is recommended.

N. E. Nelson

N. E. Nelson

IN REPLY REFER TO:

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

RECEIVED
FEB 17 1956

February 15, 1956

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N. E. Nelson

N. E. Nelson

NENelson:iml
G-2/15/56
cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. R. Crawford, 3641
J. O. Kosted, 3210

IN REPLY REFER TO:

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

RECEIVED
FEB 17 1956

February 15, 1956

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DMEA (3)
Docket file
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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

RECEIVED
FEB 17 1956

February 15, 1956

Re: DMEA 4176
Geo. L. Neubauer
W. H. M. prospect
St. Louis Co., Minn.
$41,472.00 - Uranium

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NENelson:iml
G-2/15/56
cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210

February 15, 1956
Subject: DMEA-4176
Re: Exploration Assistance
W. H. N. Mining Co.

Mr. George L. Neubauer
Route 2 , Box 118
Bovey, Minnesota

My dear Mr. Neubauer:

The receipt of your application dated February 7, 1956, for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4176 and referred to the Rare & Misc. Metals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

February 15, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region V

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region V.

DMEA - 4176 George L. Neubauer

Robert E. Adams
Chief, Operation's Control
and Statistics Division

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
ROOM 13 POST OFFICE BLDG
KNOXVILLE 2, TENN.

RECEIVED
FEB 13 1956

February 10, 1956

Memorandum

To: Operating Committee, DMEA, Washington, D. C.

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

Subject: Application from George L. Neubauer, Bovey, Minn. SW$\frac{1}{4}$ Sec. 35, T. 63 N., R. 21 W., St. Louis County, Minnesota (Uranium)

Enclosed are 3 copies of an application received in this office today for aid in exploring for uranium on the subject land, leased from the State of Minnesota. Also enclosed are four leases, and one copy of a map of St. Louis County showing location of the area.

We take a very dim view of a plan to do $41,472.00 worth of work--or any work at all--on an area whose only samples contained only 0.01 % equivalent $U_3O_8$.

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

A. L. Peyton
A. L. Peyton for V. J. Lynch
U. S. Bureau of Mines

Enclosures 8

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D.C.
ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
FEB 13 1956

February 10, 1956

Memorandum

To: Operating Committee, DMEA, Washington, D. C.

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

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

A. L. Peyton for V. J. Lynch
U. S. Bureau of Mines

Enclosures 8
RAL/mg
cc - Operating Committee
Mr. A. B. Needham
Mr. V. J. Lynch
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
FEB 13 1956

February 10, 1956

Mr. George L. Neubauer
Route 2, Box 118
Bovey, Minnesota

Dear Mr. Neubauer:

Your application for aid in exploration for uranium on state-owned land in St. Louis County, Minnesota, has been forwarded to our Washington office in accordance with established procedure. You will be notified if any additional information is needed.

Very truly yours,

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

RAL/mg
cc - Operating Committee (3)
Mr. A. B. Needham
Mr. V. J. Lynch
Files

MF-103
(Revised April 1952)

# UNITED STATES DEPARTMENT OF THE INTERIOR
## DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
FEB 13 1956

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

*Not to be filled in by applicant*

Docket No. DMEA-4176
Metal or Mineral Uranium
Date Received 2-13-56
Estimated Cost $41,472.00
Participation (Government %) .....

## INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: GEORGE L. NEUBAUER, R.R. 2 # BOX 118, BOVEY, MINN.

PARTNER SHIP - MINNESOTA

RECEIVED
FEB 10 1956

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space ~~is not provided on the form~~ for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract .....

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

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

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

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

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

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

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

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

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

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

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore .....

.....

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

(*c*) The work will start within 10 days and be completed within 9 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☒ Use of equipment owned by you ☒ Other

Explain in detail on acompanying paper.

## CERTIFICATION

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

Dated February 7, 1956

GEORGE L. NEUBAUER
(Applicant)

By George L. Neubauer
R.R. 2# Box 118
Bovey, Minn.

**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.**

1. George L. Neubau
R.R. 2, Box 118
Bovey, Minnesota

B. Partnership

C. Not Applicable

RECEIVED
FEB 13 1956

D. Harold E. Hughes Jr.
R.R. 2
Bovey, Minnesota

D. Pet Wass
726 West 6th Ave.
Grand Rapids, Minnesota

3. N.E. $\frac{1}{4}$ of S.W.$\frac{1}{4}$ ---N.W.$\frac{1}{4}$ of S.W.$\frac{1}{4}$
S.W.$\frac{1}{4}$ of S.W.$\frac{1}{4}$ ----S.E.$\frac{1}{4}$ of S.W.$\frac{1}{4}$

Section Thirty-five (35) township Sixty-three (63) North, Range Twenty-one (21) West, Saint Louis County, State of Minnesota.

B. W.H.N. Mining Co.

C. Source Material Prospecting Permit and Agreement issued pursuant to Minnesota Statutes 1953 section 93.25
SMP. Nos. 192-F, 193-F, 194-F, and 195-F.

D. Prospecting Permits inclosed.

E. not applicable

F. not applicable

4.
A. Exploration shaft about 4' x4' x 20' deep, no production. I am one third partner.

There is a county road passing the South end of two claims. The next two claims are dirictly to the North, forming a square section of 160 acres.

B. not applicable

C. The geologic features of the property are unknown except for the serface, which consist of foliated granite gneiss containing minerals, feldspar, quartz, biotite and ferro-magnesian minerals. Type of deposit is unknown since radio-matric survey shows high reading over a large area, alto exceptionally high reading accuf the a long an indicated vain about one-fouth ($\frac{1}{4}$) mile long and about thirty (30) feet wide

The reason for wishing to explore are the fact of exceptional high radiomatric readings and also the fact that surface sample of the formation showed equivalent of o.ol percent $U_3O_8$ as showed by the inclosed Bureau of Mines report of July 14,1955.

Maps and sketches are inclosed.

D. Claims are accessible from two dirictions two miles North of Cilina, three miles East, or 5,3/4 miles West of State road no. 73, on the Meadow Brook road. Nearest distance to shipping and supply would be the tonwn of Cook.

4.

D. nearest residence is a farmer living accross the road, by the NAME of Soarckoski. all access roads and ect. are shown on inclosed map of St. Louis county map.

E. Manpower will be supplyed by myself and my two partners. Materials, supplies and equipment will be purchused in surrounding supply centers. This is the Iron Mining range and availability of mining equipment is good. Unless a water supply is found in one of the drills holes, it will haff to be tranported or piped approxmently 1 mi. from the Little Fork river. Electric Power lines pass along South side of the property.

RECEIVED
FEB 13 1956

5.

A. Uranium

B.

C. 10 days 9 months

D. I have worked in iron mines for more than 10 years and have had more than 15 years experience in the operation and maintantence and repair of mining equipment this includes exploration drilling. I will supervise all operations.

6. Tell estimate of cost on seperate sheet.

A. None

~~B. Watchman job lase 1 $1.685 per hr.~~

6.

| | Estamate of wages 9 months |
|---|---|
| B. Watchman Job Class-1- $1.685 per hr. 7 days a week plus 2 extra shifts on Sunday. | $4,610.16 |
| (1) Drill runner job class-12-$2.345 perhr. 6 days a week one shift time an one-half | $4,389.70 |
| (2) Drill helper job class-6-$1.985 per hr. 6 days a week one shift time an one-half | $7,431.48 |
| Engineering and Geologicl consultants flat rate of $50.00 each per month | $900.00 |
| Supervision and book-keeping | $5,400.00 |
| Total for 9 months | $22,731.34 |

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6.

| | |
|---|---|
| C. Water | |
| New pump | $200.00 |
| New water hose | $ 50.00 |
| New water tank | $150.00 |
| Fuel (for operating equipment) 20 gal. gas a day-10 gal. fuel oil a day | $1,620.00 |
| New power Electric power plant (gas operated) | $600.00 |
| D. Used Caterpeller D-2 with hydraulic dozer blade | $3000.00 |
| New Longyear Prospector Diamond Core Drill, Jeep-mounted, | $5905.00 |

| Description of items to be purchsed for drill quantity | Item | Price each | |
|---|---|---|---|
| 1 | - 1"x25 swivel hose | $32.85 | $ 32.85 |
| 1 | - 1¼"x15' suction hose | 45.40 | 45.40 |
| 1 | - a ball bearing water ~~swivel~~ swivel | 54.80 | 54.80 |
| 25 | - 10' a drill rods W/coupling | 16.50 | 412.50 |
| 1 | - Ax10' double tube swivel type core BB1. | 93.50 | 93.50 |
| 2 | - AxD.T. reaming shells $7/carat | 67.90 | 135.80 |
| 8 bits, | - AxD.T. bevel wall core bits,$9/carat | 112.50 | 900.00 |
| 3 | - AxD.T. bevel wall core lifters | 2.55 | 7.65 |
| 1 | - AX cross chopping bits | 19.80 | 19.80 |
| 1 set | - AX crossing | | |

(continued next sheet)

| quantity | Item | Price each | |
|---|---|---|---|
| 1 set- | - Adjustable pipe tongs | $ 34.80 | $ 34.80 |
| 1 | - pipe tong clips | 8.55 | 8.55 |
| 1 | - A ball bearing hoisting plug | 32.00 | 32.00 |
| 1 | - 2" jar staff | 25.30 | 25.30 |
| 1 set | - 2" jar washers | 23.65 | 23.65 |
| 1 | - 140# drive hammer, 2½" hole | 80.85 | 80.85 |
| 10 pcs. | - AX10' flush coupled casing | 15.35 | 153.50 |
| 1 pc. | - AX5' flush coupled casing | 9.40 | 9.40 |
| " | - AX3' flush coupled casing | 8.50 | 8.50 |
| " | - AX2' flush coupled casing | 8.50 | 8.50 |
| " | - AX1' flush jointed casing | 7.60 | 7.60 |
| 1 | - AX casing clamp | 21.15 | 21.15 |
| 1 | - AX casing drive shoe | 18.00 | 18.00 |
| 1 | - AX straight chopping bit | 18.55 | 18.55 |
| 1- | AX diamond set casing bit, $9/carat | 113.00 | 113.00 |
| 1 | - A rod box to AX casing pin | 10.00 | 10.00 |
| 1 | - AX casing pin to 2" pipe pin | 14.00 | 14.00 |
| 1 | - A rod tap | 22.55 | 22.55 |
| 1 | - AX casing tap | 36.00 | 36.00 |
| 1 | - A outside bell tap | 29.50 | 29.50 |
| 1 | - Blue demon type E "A" rod box rock bit | 45.00 | 45.00 |
| 2 sets | - 2-11/32" cutter blades | 8.75 | 17.50 |

| Owned by operators | Per day | Estimated rental |
|---|---|---|
| 2½T. International truck | $3.00 | $638.00 |
| 4 wheel drive jeep | 2.00 | 432.00 |
| International power unit (for welding and ect.) | 1.00 | 216.00 |
| Scintillatron (for making radiometric survey and core testing) | .50 | 108.00 |

E. none

F. used house trailer ( for office, book-keeping and ect.) 500.00

new repair shed on skids (to be constructed.) 450.00

6.
G.

| | |
|---|---|
| 2½ ton truck | $100.00 |
| Jeep | 100.00 |
| Drill | 100.00 |
| Drill bits and stems and ect. | 500.00 |
| Workman's compensation, insurance and payroll taxes | 800.00 |

H.

| | |
|---|---|
| Accident and ect. | 787.91 |
| Stamps and ect. | 6.00 |
| Total amount of expenditures | $41,472.00 |
| Total amount of loan | 41,472.00 |
| Total footage to be drilled | 2,592 ft. |
| Cost per foot | $16.00 |

7.
A.
Yes

B.
Use of equipment and labor, supervision and consultants.

Crawford

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

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FEB 13 1956

2/15

February 10, 1956

Mr. George L. Neubauer
Route 2, Box 118
Bovey, Minnesota

Dear Mr. Neubauer:

Your application for aid in exploration for uranium on state-owned land in St. Louis County, Minnesota, has been forwarded to our Washington office in accordance with established procedure. You will be notified if any additional information is needed.

Very truly yours,

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

RAL/mg
cc - Operating Committee (3)
Mr. A. B. Needham
Mr. V. J. Lynch
Files

MF-103
(Revised April 1952)

# UNITED STATES DEPARTMENT OF THE INTERIOR
## DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

*Not to be filled in by applicant*

Docket No. DMEA-4176
Metal or Mineral Uranium
Date Received 2-13-56
Estimated Cost $41,472.00
Participation (Government %)

## INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: GEORGE L. NEUBAUER, R.R. 2 Box 118, Bovey, MINN.

PARTNERSHIP - MINNESOTA

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

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FEB 10 1956

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract

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

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

INCLOSED

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

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

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

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

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

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

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

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

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore .....

.....

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

(*c*) The work will start within 10 days and be completed within 9 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☒ Use of equipment owned by you ☒ Other

Explain in detail on acompanying paper.

## CERTIFICATION

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

Dated February 7, 1956

GEORGE L. NEUBAUER
(Applicant)

By George L. Neubauer

R. R. 2 # Box 118

Bovey, Minn.

**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.**

1. George L. Neubauer
R.R. 2, Box 118
Bovey, Minnesota

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B. Partnership C. Not applicable

D. Harold E. Hughes Jr.
R.R.2
Bovey, Minnesota

D. Pet Wass
726 West 6th Ave.
Grand Rapids, Minnesoat

3. N.E. $\frac{1}{4}$ of S.W.$\frac{1}{4}$----N.W.$\frac{1}{4}$ of S.W.$\frac{1}{4}$
S.W.$\frac{1}{4}$ of S.W.$\frac{1}{4}$-----S.E.$\frac{1}{4}$ of S.W.$\frac{1}{4}$

Section Thirty (35) township Sixty-three (63) North, Range Twenty-one (21) West, Saint Louis County, State of Minnesota.

B. W.H.N. Mining Co.

C. Source Material Prospecting Permit and Agreement issued pursuant to Minnesota Statutes 1953 section 93.25 SMP. nos. 192-F, 193-F, 194-F, and 195-F.

D. Prospecting Permits inclosed.

E. not applicable

F. not applicable

4.
A. Exploration shaft about 4'x4'x20' deep, no production. I am one third partner.
There is a county road passing the South end of two claims. The next two claims are dirictly to the North, forming a square section of 160 acres.

B. not applicable

C. The geologic features of the property are unknown except for the surface, which consist of foliated granite gneiss containing minerals, feldspar, quartz, biotite and ferromagnessin minerals. Type of deposit is unknown since radiomatric survey shows high reading over a large area, altho exceptionally high reading accure a long an indicated vain about one-fouth ($\frac{1}{4}$) mile long and about thirty (30) feet wide.

The reason for wishing to explore are the fact of exceptional high radiomatric readings and also the fact that surface sample of the formation showed equivalent of 0.01 percent $U_3O_8$ as showed by inclosed Bureau of Mines report of July 14, 1955.

Maps and sketches are inclosed.

D. Claims are accessible from two dirictions two miles North of Cilina, three miles East, or 5,3/4 miles West of State road no. 73, on Meadow Brook road. Nearest distance to shipping and supply would be the town of Cook.

4.

D. Nearest residence is a farmer living accross the road by the name of Soarckoski. All access roads and ect. are shown on inclosed map of St. Louis county map.

E. Manpower will be supplyed by myself and my two partners. Materials, supplies, and equipment will be purchused in surrounding supply centers. This IS IN THE Iron Mining range and availability of mining equipment is good. Unless a water supply is found in one of the drills holes, it will half to be tranported or piped approxmently i mi. from the Little Fork river. Ele tric power lines pass along the South side of the property.

5.

A. Uranium

B.

C. 10 days 9 months

D. I have worked in iron mines for more than 10 years and have had more than 15 years experience in operation and maintantence and repair of miningequipment this includes exploration drilling. I will supervise all operations.

6. Tell estimate of cost on seperate sheet.

A. None

| | Estamate of wages 9 months |
|---|---|
| 6. | |
| B. W | |
| Watchman job class-1- $1.685 per hr. 7 days a week plus 2 extra shifts on Sunday. | $4,610.16 |
| (1) | |
| Drill runner job class-12 $2.345 per hr. 6 days a week one shift time an one-half | $4,389.70 |
| (2) | |
| Drill helper job class-6 $1.985 per hr. 6 days a week one shift time an one-half | $7,431.48 |
| Engineering and Geologicl consultants flat rate of $50.00 each per month | $900.00 |
| Supervision and book-keeping | $5,400000 |
| Total for 9 months | $22,731.34 |

C.

| | |
|---|---|
| Water | |
| New pump | $200.00 |
| new water hose | $ 50.00 |
| New water tank | $150.00 |
| Fuel(for operating equipment) 20 gal. gas a day, 10 gal. fuel oil a day. | $1,620.00 |
| New power | |
| Electric power plant (gas operated) | $600.00 |

D.

| | |
|---|---|
| Used Caterpeller D-2 with hydraulic dozer blade | $3000.00 |
| New Longyear Prospector Diamond Core Drill, Jeep-mounted, | $5905.00 |

Description of items to be purchased for drilling

| quantity | Item | Price each | |
|---|---|---|---|
| 1 | - 1"x25 swivel hose | $ 32.85 | $ 32.85 |
| 1 | - 1¼"x15' suction hose | 45.40 | 45.40 |
| 1 | - a ball bearing water swivel | 54.80 | 54.80 |
| 25 | - 10' a drill rods W/coupling | 16.50 | 412.50 |
| 1 | - AX10' double tube swivel type core BB1. | 93.50 | 93.50 |
| 2 | - AXD.T. reaming shells $7/carat | 67.90 | 135.80 |
| 8 | - AXD.T. bevel wall core bits, $9/carat | 112.50 | 900.00 |
| 3 | - AXD.T. bevel wall core lifters | 2.55 | 7.65 |
| 1 | - AX cross chopping bits | 19.80 | 19.80 |
| 1 set | - Adjustable pipe tongs | 34.80 | 34.80 |
| 1 | - pipe tongs lips | 8.55 | 8.55 |
| 1 | - A ball bearing hoisting plug | 32.00 | 32.00 |
| 1 | - 2" jar stuff | 25.30 | 25.30 |
| 1 set | - 2" jar washers | 23.65 | 23.65 |
| 1 | - 140# drive hammer, 2½" hole | 80.85 | 80.85 |
| 10 pcs. | --AX10' flush coupled casing | 15.35 | 153.50 |
| 1 pc. | - AX5' " " " " " " | 9.40 | 9.40 |
| " | - AX3' " " " " " " | 8.50 | 8.50 |
| " | - AX2' " " " " " " | 8.50 | 8.50 |

(continued next sheet)

| quantity | Item | Price each | |
|---|---|---|---|
| 1 | - - AX1' flush jiont casing | $ 7.60 | $ 7.60 |
| 1 | - AX casing clamp | 21.15 | 21.15 |
| 1 | --AX casing drive shoe | 18.00 | 18.00 |
| 1 | - AX straight chopping bit | 18.55 | 18.55 |
| 1 | - AX diamond set casing bit, $9/carat | 113.00 | 113.00 |
| 1 | - A rod box to AX casing pin | 10.00 | 10.00 |
| 1 | - AX casing pin to 2" pipe pin | 14.00 | 14.00 |
| 1 | - A rod tap | 22.55 | 22.55 |
| 1 | - AX casing tap | 36.00 | 36.00 |
| 1 | - A outside bell tap | 29.50 | 29.50 |
| 1 | - Blue demon type E "A" rod box rock bit | 45.00 | 45.00 |
| 2 sets | - 2-11/32" cutter blades | 8.75 | 8.75 |

| Owned by operators | Per day | Estimated rent |
|---|---|---|
| 2½t. International truck | $3.00 | $638.00 |
| 4 wheel drive jeep | 2.00 | 432.00 |
| International power unit (for welding and ect,) | 1.00 | 216.00 |
| Scintillatron (for making radiometric survey and core testing) | ~~.00~~ .50 | 108.00 |

E.
None

F.

| | |
|---|---|
| Used house trailer (for office, book-keeping and ect.) | $500.00 |
| New repair shed on skids ( to be constructed). | 450.00 |

6.
G.

| | |
|---|---|
| 2½ ton truck | $100.00 |
| Jeep | 100.00 |
| Drill | 100.00 |
| Drill bits and stems and ect. | 500.00 |
| Workmens compensation, insurence and payroll taxes | 800.00 |

H.

| | |
|---|---|
| Accident and ect. | 787.91 |
| Stamps and ect. | 6.00 |
| Total amount of expenditures | $41,472.00 |
| Total amount of loan | 41,472.00 |
| Total footage to be drilled | 2,592 ft. |
| Cost per foot | $16.00 |

7.
A.
Yes

B.
Use of equipment and labor, supervision and consultants.

# U. S. Government Messenger Envelope

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

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

| NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM | | NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM | |
|---|---|---|---|
| Mr Robert Quinney Rodney Dennis | RUN / STOP | ~~Mr Hoover~~ | RUN / STOP |
| ~~[illegible]~~ | RUN / STOP | Pension Bldg | RUN / STOP |
| Joseph Gray Stanley Photostat Div. Rm 150 Liberty Loan Bldg. | RUN / STOP | ~~Mr Hoover~~ | RUN / STOP |
| ~~[illegible]~~ | RUN / STOP | Pension Bldg | RUN / STOP |
| Mr Robert Perry Rm 2315 | RUN / STOP | | RUN / STOP |
| ~~[illegible]~~ Rm 432, Exec Office Bldg | RUN / STOP | | RUN / STOP 43 |
| | RUN / STOP | ~~[illegible]~~ | RUN / STOP |
| Pension Bldg | RUN / STOP | ~~Helen Powell U.S.G.O. 7238 U.S. Bldg~~ | RUN / STOP 318 |
| | RUN / STOP | ~~C. A. Anderson Rm 4242 GSA Bldg~~ | RUN / STOP |
| ~~Mr Hoover~~ | RUN / STOP | Mr. Kingsbury Rm 5224 Int | RUN / STOP |

*Send surplus envelopes to supply room for reissue.*

Use other side

16—38949a-2

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

| NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM | |
|---|---|
| | RUN<br>STOP |
| Mr. Ellis<br>Room 4443<br>Interior Bldg. | RUN<br>STOP |
| | RUN<br>STOP |
| | RUN<br>STOP |
| | RUN<br>STOP |
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| | RUN<br>STOP |
| | RUN<br>STOP |

| NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM | |
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| | RUN<br>STOP |

Use other side first

☆ U. S. GOVERNMENT PRINTING OFFICE : 1951 16—88949a-2

GEORGE L. NEUBAUER
R.R. 2nd BOX 118
BOVEY MINN.

# MAP OF St. Louis County, MINNESOTA.

LEGEND
STATE TRUNK HIGHWAYS
COUNTY ROADS CONSTRUCTED
COUNTY ROADS LEGALIZED
TOWN ROADS
SCHOOL HOUSES
PUBLIC OFFICES
BAIT ROADS
CORPORATE LIMITS
FOREST RESERVES
SCALE

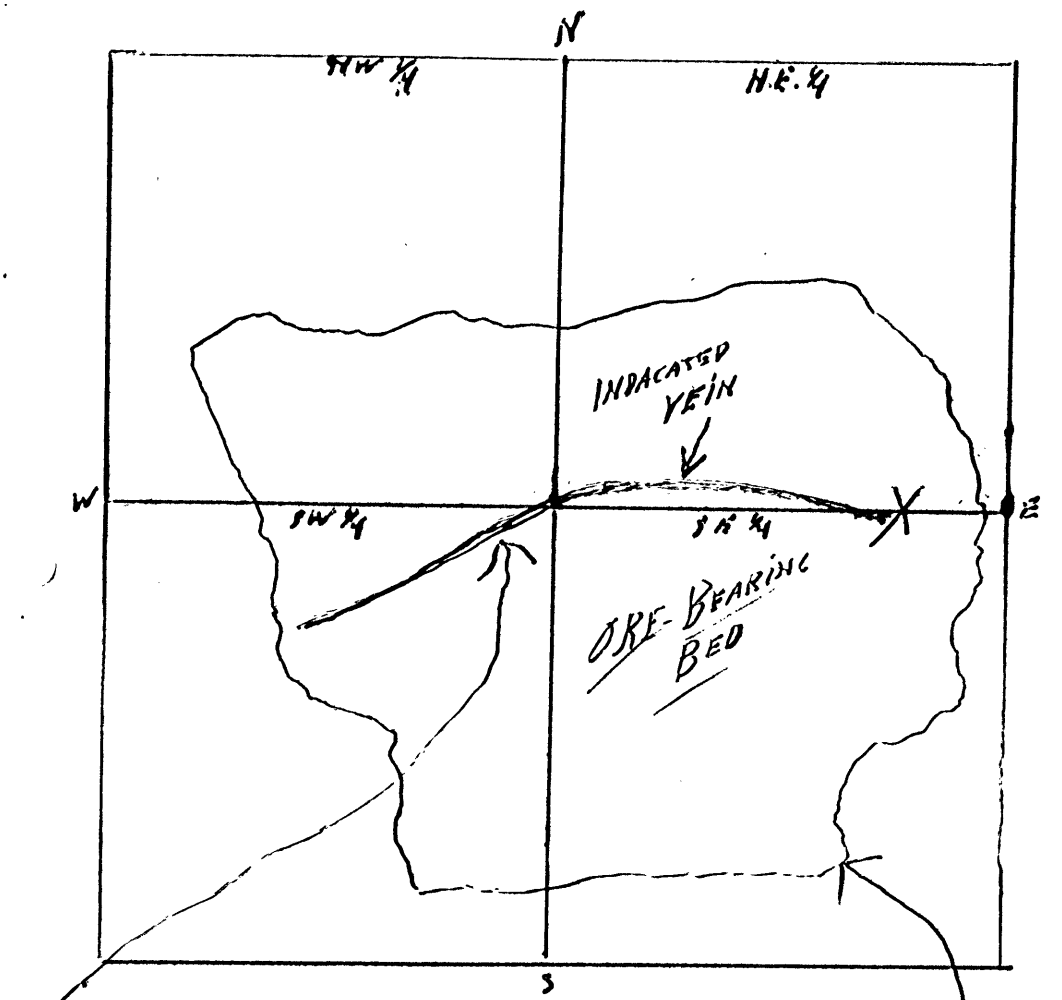
PREPARED FROM OFFICIAL SURVEYS
—BY—
CO. HIGHWAY DEPARTMENT

CLAIM IS CENTER OF X

CANADA
RAINY LAKE
NAMEKAN LAKE
SHORTISS ISLAND
PELICAN LAKE
KEEWATIN
PORTACE
WILLOW VALLEY
LUNDEN
GROVE
EELLS
OWENS
LAKE VERMILLION
BIG BAY
FRETTING
MORSE
MORCOM
STURGEON
ALANGO
ANDORA
VERMILLION LAKE
KUGLER
ESTENCH
FERN
SANDY
PIKE
EMBARRASS
WAASA
ARGO
VOURI
MESABA
BALKAN
GREAT SCOTT
ANGELOS
MISSABE MT.
BIWABIK
WHITE
BASSETT
STUNTZ
CHERRY
SHINGOBE
FAYAL
McDAVITT
COLVIN
FAIRBANKS
LAVAL
ELISBURG
AULT
TOIVOLA
KELSEY
VOLTON
ALDEN
ELMER
MEADOW LANDS
PAYNE
NORTHLAND
OLSEN
NORMANNA
VAN BUREN
NESS
ALBORN
NEW INDEPENDENCE
GREENBERG
DULUTH
GRAND LAKE
HALDEN
FLOODWOOD
CULVER
KIDVILLE
ST. CANOSIA
RICE LAKE
LAKE WOOD
ARROWHEAD
PRAIRIE LAKE
FINE LAKES
STONEY BROOK
BREVATOR
SOLWAY
SHERMAN
LAKE SUPERIOR
CARLTON CO.
ITASCA COUNTY
AITKIN COUNTY
WADENA COUNTY
TODD COUNTY

4-C

George C. Neubauer
R.R. 2 Box 118
Bovey, Minn.




ABOVE AVARGE READINGS OVER LARDVE AREA

VERRY HIGH READINGS ALONG THIS LINE - LINE IS ABOUT ¼ mi. LONG & ABOUT 30 FEET WIDE.