DMEA [redacted]

DEFENSE MINERALS EXPLORATION ADMINISTRATION
Control Slip

## CONTROLLED DOCUMENT

DMEA Docket No. 4438

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| | | | |
|---|---|---|---|
| To: | 700 | Date | 8/27/56 |
| To: | Oper. Com | Date | 9-10-56 |
| To: | W. Johnson | Date | 9-12-56 |
| To: | MF | Date | 9-12-56 |
| To: | Code 130 | Date | 1-22-57 |
| To: | Code 110 | Date | 1-23-57 |
| To: | " 100 | Date | 1-23-57 |
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IMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

DMEA NO. 4438

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(~~Withdrawn~~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

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

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

**Left Side**

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

**Right Side**

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

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

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

**Left Side**

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

**Right Side**

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

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

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

9774

MINING DEED

For Sale by The Colville Examiner, Colville, Wa.

THIS INDENTURE, Made this [illegible] day of [illegible] A. D. 19[illegible]

between Harry E. Rogers, Leonard L. Salter and [illegible] Rogers

of the county of Stevens and state of Washington, parties

of the first part, and Bonnie Mine, Inc.,

of the County of Stevens and State of Washington, part[illegible] of the second part.

WITNESSETH, That the said parties of the first part, for and in consideration of the sum of

One Dollar and other valuable considerations-- [illegible] Dollars,

Gold Coin of the United States, to them in hand paid by the said party of the second part, the receipt

whereof is hereby acknowledged, hath granted, bargained, sold, remised, released and forever quit-claimed, and by these

presents do grant, bargain, sell, remise, release and forever quit-claim, unto the said party of the second part,

its heirs and assigns, ~~the~~ All interest in the following mining

claims: Bonnie, Bonnie No. 2, Bonnie No. 3, and Bonnie No. [illegible]

in Section 30, Township 37 North, of Range 37 E.W.M., in

Ferry County, Washington.

[illegible] as located, surveyed, recorded and held by said party of the first part, situated

Kettle Falls Mining District, ~~Stevens~~ Ferry County, State of Washington.

together with all the dips, spurs and angles, and also all the metals, ores, gold and silver bearing quartz, rock and earth therein, and all the rights, privileges and franchises thereto incident, appendant and appurtenant, or therewith usually had or enjoyed; and also all and singular the tenements, hereditaments and appurtenances thereunto belonging, or in anywise appertaining, and the rents, issues and profits thereof; and also all the estate, right, title, interest, property, possession, claim and demand whatsoever, as well in law as in equity, of the said party of the first part, of, in, or to, the said premises, and every part and parcel thereof, with the appurtenances.

TO HAVE AND TO HOLD, All and singular, the said premises, together with appurtenances and privileges thereto incident, unto the said party of the second part, its heirs and assigns forever.

IN TESTIMONY WHEREOF, The said party of the first part has hereunto set his hand and seal the day and year first above written.

Signed, sealed and delivered in the presence of

Harry E. Rogers (Seal)

Leonard L. Salter (Seal)

Dulcie Rogers (Seal)

(Seal)

RECEIVED
AUG 27 1956

State of Washington, County of Stevens ss.

I, Delbert R. Scoles, a Notary Public in and for said County and State, do hereby certify that on this 7th day of August A. D. 1956 personally appeared before me Harry L. Rogers, Leonard L. Salter and Darlene Rogers,

to me known to be the individuals described in and who executed the within instrument, and acknowledged that they signed and sealed the same as their free and voluntary act and deed, for the uses and purposes therein mentioned.

Given under my hand and official seal this 7th day of August A. D. 1956

Delbert R. Scoles
Notary Public

Residing at Colville.

Recorded

Compared

Passed Out

# MINING DEED

Harry E. Rogers et al

To

Kamiu Mines, Inc.

State of Washington, County of Ferry ss.

I hereby certify that the within instrument was filed for record in the office of the county Auditor of said County on the 8th day of August A. D. 1956 at 9 o'clock and 49 minutes, 9 M., at the request of Harry E. Rogers et al and recorded on page 4 of Book 6 of Mineral Deeds

Mabel M. Schneider
County Auditor

By ..., Deputy

Recorded on August 1, 1956, 19..

By ..., Deputy

When recorded return to
Harry E. Rogers
Box 2274
Colville, Wash.

RECEIVED
AUG 27 1956

MINING DEED

Legal Blanks For Sale by The Colville Examiner, Colville, Wn

THIS INDENTURE, Made the 20th day of July A. D. 19

between Harold Powell

of the county of Coos and state of Oregon, party

of the first part, and Bonnie Mine, Inc., a corporation,

of the County of Stevens and State of Washington, party of the second part,

WITNESSETH, That the said party of the first part, for and in consideration of the sum of

One dollar and other valuable considerations---------- Dollars

Gold Coin of the United States, to him in hand paid by the said party of the second part, the receipt whereof is hereby acknowledged, hath granted, bargained, sold, remised, released and forever quit-claimed, and by these presents do grant, bargain, sell, remise, release and forever quit-claim, unto the said party of the second part its heirs and assigns, the all interest in the following mining claims: Bonnie, Bonnie No. 2, Bonnie No. 3, and Bonnie No. 4, in Section 30, Township 37 North, of Range 37 E.W.M., in Ferry County, Washington,

as located, surveyed, recorded and held by said party of the first part, situated Kettle Falls Mining District, Ferry County, State of Washington.

together with all the dips, spurs and angles, and also all the metals, ores, gold and silver bearing quartz, rock and earth therein, and all the rights, privileges and franchises thereto incident, appendant and appurtenant, or therewith usually had or enjoyed; and also all and singular the tenements, hereditaments and appurtenances thereunto belonging, or in anywise appertaining, and the rents, issues and profits thereof; and also all the estate, right, title, interest, property, possession, claim and demand whatsoever, as well in law as in equity, of the said party of the first part, of, in, or to, the said premises, and every part and parcel thereof, with the appurtenances.

TO HAVE AND TO HOLD, All and singular, the said premises, together with appurtenances and privileges thereto incident, unto the said party of the second part, its heirs and assigns forever.

IN TESTIMONY WHEREOF, The said party of the first part has hereunto set his hand and seal the day and year first above written.

Signed, sealed and delivered in the presence of Harold Powell (Seal)

(Seal)

(Seal)

(Seal)

RECEIVED
AUG 27 1956

State of Washington, County of Stevens ss.

I, Delbert R. Scoles, a Notary Public in and for said County and State, do hereby certify that on this 20th day of July A. D. 19 56 personally appeared before me Harold Powell

[illegible] the same as his free and voluntary act and deed, for the uses and purposes therein mentioned.

Given under my hand and official seal this 20th day of July A. D. 56

[illegible]
Notary Public

Residing at Colville

# MINING DEED

Harold Powell

To

Kamiu Mine, Inc.

State of Washington, County of Ferry ss.

I hereby certify that the within instrument was filed for record in the office of the county Auditor of said County on the 8th day of August A. D. 1956 at 9 o'Clock and 48 minutes.

M. at the request of Kamiu Mines Inc.

and recorded on page of Book 6 of Miscellaneous

[illegible]
County Auditor
By [illegible] Deputy

Recorded on [illegible] 1956

By [illegible] Deputy

When recorded return to

RECEIVED
AUG 27 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

August 22, 1956

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

Re: New application (Uranium)
Bonnie Mine, Inc.
Bonnie Mine
Ferry County, Washington

Dear Mr. Selfridge:

Enclosed are three copies of an application submitted by Harry E. Rogers, Box 294, Colville, Washington and Leonard L. Salter, 449 N. Maple, Colville, Washington, for Bonnie Mine, Inc. Box 294, Colville, Washington. We have retained one copy for our files.

Sincerely yours,

D R MacLaren

D. R. MacLaren
for: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW Dist.

Enclosure as indicated

cc: USBM (2)
geologist

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AUG 27 1956

MF-103
(Revised April 1952)

RECEIVED

AUG 21 1956

U. S. G. S.
SPOKANE, WASH.

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

# 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. 4438
Metal or Mineral Uranium
Date Received 8-27-56
Estimated Cost $24,115
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:

BONNIE MINE, INC.
Box 294
Colville, Washington

(*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.

See attached sheets for detail

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 T. 37 N. R. 37E., Sec. 30, Ferry County, Washington - 4 claims or fraction in above listed Section

(*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

(*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. Not applicable

(*e*) If you own the land, describe any liens or encumbrances on it None

(*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.

16—66551-1

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AUG 27 1956

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

(*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 30 days and be completed within 12 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)? Yes

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

[X] Money [ ] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

## CERTIFICATION

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

Dated Aug. 21, 1956

Bonnie Mine Inc.
(Applicant)

By Harry E. Rogers
Leonard L. Salter

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

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

BONNIE MINE
Harry E. Rogers, President
Box 294, Colville, Washington

## APPLICATION FOR AID IN AN EXPLORATION PROJECT

1. Name of Applicant:

   (a) BONNIE MINE, INC.
   Box 294
   Colville, Washington

   (b) Corporation - incorporated in State of Washington

   (c) President - Harry E. Rogers
   Box 294
   Colville, Washington

   Vice President - Leonard L. Salter
   449 N. Maple
   Colville, Washington

   Secy-Treasurer - Darlene Rogers
   Box 294
   Colville, Washington

2. General:

   Have complied with instructions.

3. Applicant's Property Rights:

   (a) T. 37 N., R. 37 E., Section 30, Ferry County, Washington. Four claims or fractions in above listed Section.

   (b) Bonnie Mine

   (c) Owner

   (d) Not applicable

   (e) None

   (f) Bonnie Claim - Book 12, P. 422, of Location Notices, Ferry County Court House, Republic, Washington

   Bonnie No. 2 Claim - Book 12, P. 459, of Location Notices, Ferry County Court House, Republic, Washington

   Bonnie No. 3 Claim - Book 12, P. 590, of Location Notices, Ferry County Court House, Republic, Washington

   Bonnie No. 4 Claim - Book 13, P. 99, of Location Notices, Ferry County Court House, Republic, Washington

4. Physical Description:

(a) Location work was done in 1955 on all four claims. This consisted of open cuts on radio-active sections of pegmatite veins. Early this year, work was begun on a tunnel into the cliff, following the major vein. The tunnel was driven about 48 feet (See accompanying map) when work was discontinued. The work was done by the applicants. Just prior to driving the drift, a poor jeep road was constructed to within about 200 feet of the tunnel portal. This makes the property accessible for examination by jeep.

(b) There has been no production and there are no ore reserves.

(c) A geologic report is included. The major rock type is schist, probably Pre-Cambrian in age. The bedding is relatively horizontal, Along various bedding planes, granitic and pegmatite sills have been intruded. Certain of these sills contain radio-active minerals in places. The mineralized sills may be classed as veins and are fairly persistent, but show considerable lensing. The one upon which exploration is contemplated ranges along the exposure from a few inches to 24 inches wide. The radio-active mineral present is believed to be Uraninite or Pitchblende.

Commercial Uranium ore occurs in this vein but that exposed to date is not economic. The proposed exploration work is deemed justified to determine the economic possibilities of this deposit.

(d) The access road will need additional work to be a practical service road. Both bulldozing and rock blasting will be necessary. This road is about a mile long. The County road connecting with the access road and State Highway are adequate. Kettle Falls and Colville, 6 miles and 15 miles distant respectively, are the residence and supply points. Ore could be shipped from Kettle Falls, or conceivably from a point along the Great Northern Railroad, approximately 3 miles from the property.

(e) Manpower is available in the area mentioned under (d). Materials, supplies and equipment can be supplied from these towns or from Spokane which is 95 miles away. Water can either be hauled or pumped from about 1/4 mile distant. At least in the initial stages, power will be furnished by diesel or gas engines.

5. The Exploration Project:

(a) Uranium.

(b) A map of the existing and proposed work is included. From the face of the present tunnel, 500 feet of drifting and crosscutting, following the vein, is projected. The plan calls for 380 feet of drifting and 120 feet divided into 20 foot crosscuts. These crosscuts should be located on the best mineralization encountered as the drifts are driven. The vein is approximately horizontal and by slusher mucking, it should be possible to stay with the vein at all times.

5. The Exploration Project: (Cont.)

(c) 30 days.

(d) Operating experience and background of applicants:

1. Harry E. Rogers

15 years as miner (hard rock) for wages.
5 years as mine foreman or shifter.
8 years as independent leaser.

During this period, have followed all phases of underground mining, both in actually doing the work and in supervising.

Places worked: Tiller, Oregon; Goldfield, Nevada; Lida, Nevada; Tibo, Nevada; Pioche, Nevada; and Searchlight, Nevada.

2. Everett Hougland

Consulting Geologist and Professional Engineer. M.S. in Geology.

23 years' experience in doing geologic work and managing small mining properties.

Member of A.I.M.E. and American Mining Congress.

6. Estimate of Costs:

| | | |
|---|---|---|
| (a) | 500 ft. drifting and crosscutting @ $37 per ft. Contractors to furnish labor, equipment and supplies. | $ 18,500.00 |
| (b) | Supervision and geologic consultant. 4 days per mo. @ $50 per day - 12 months - 48 days | 2,400.00 |
| (c) | Operating materials and supplies to be furnished by contractors | |
| (d) | Operating equipment to be furnished by contractors | |
| (e) | Rehabilitation and repairs to be done by contractors | |
| (f) | New buildings and improvements: 83 hrs. bulldozing on rebuilding road @ $15 per hr. Applicant will donate any rock work required on road. | 1,245.00 |
| | Compressor and Machinery Shed | 200.00 |
| (g) | Miscellaneous: Repairs and maintenance of operating equipment will be carried by contractors. They will also carry State and Federal labor taxes | |

BONNIE MINE
Harry E. Rogers, President
Box 294, Colville, Washington

6. Estimate of Costs: (Cont.)

(g) Miscellaneous (Cont.):

| | |
|---|---|
| Analytical work - 50 chemical analyses @ $5 each | $ 250.00 |
| Accounting @ $60 per mo. - 12 mos. | 720.00 |

(h) Contingencies:

| | |
|---|---|
| For contingencies unforeseen and mileage | 800.00 |
| TOTAL | $24,115.00 |

7. (a) Yes

(b) Money. The applicants plan to raise the money privately to match government participation

CONSULTING GEOLOGIST

MINE OPERATOR

**EVERETT HOUGLAND**
PHONE 492
REPUBLIC, WASHINGTON

# SUMMARY REPORT ON THE BONNIE URANIUM CLAIMS

This group consists of four claims, namely the Bonnie, Bonnie No. 2, Bonnie No. 3, and Bonnie No. 4, all held by right of location. They are situated in Sec. 30, T. 37N, R. 37E near the eastern edge of Ferry County, Washington and were staked in May or June, 1955. It is approximately seven miles to Kettle Falls, the nearest town. An oiled State Highway is reached within three miles or so and the intervening road consists of two miles of dirt country road and one mile of barely passable jeep road. The Great Northern Railroad parallels the State Highway but no siding is available at its closest point.

The four claims, of which two are fractions, are contiguous and cover a cliff-like terraine. The Bonnie claim takes in a portion of a small chasm which branches out from Katy Creek. The other three claims lie southward, up on a rather precipitious slope. Timber is in sufficient amount for mining purposes but there is little water on the property. The jeep road needs considerable reconstruction and also extended to the tunnel site to give practical access. A small dry-house was recently built on the property.

There are two slightly different uranium occurrences observed on this ground. One is exposed near the bottom of the chasm on the Bonnie claim. The rocks here consist of a fairly flat-lying series of schist beds which have been intruded parallel to the bedding by numerous pegmatite and granitic sills. Later fracturing or faulting across the bedding is evident but little displacement was noted. One of these intrusive zones is composed of granitic material with considerable rose quartz as one of the constituents. It has been traced along the chasm wall for more than 300 feet and ranges from a few inches to 24 inches wide. Six samples taken at various points along this vein or lode averaged approximately .15% $U_3O_8$ and much higher percentages have been reported. A 48 foot tunnel was driven into the cliff on the vein this year. As exposed here, the vein lenses considerably and is faulted or pinched out at the face.

The second type of occurrence is commercial uranium mineralization in some section of the numerous pegmatite sills. One open cut on the Bonnie No. 2 was grab sampled, and assayed .13% $U_3O_8$. Other locations were seen which show some radio-active count but had not been opened up.

The first described occurrence seems the most promising both from a value standpoint and from its consistent lateral extent. I believe this showing fully justifys an exploration project to determine if better widths or grade or both exist along the plane of the vein. Diamond drilling is difficult and hazardous here, due to both the terraine and the character of the vein. Hence, I recommend a drifting program as the

safest and most economical way of exploring this deposit. The accompanying map shows such an idealized program. The existing drift would be used and approximately 500 feet of drift and crosscut driven on the vein from the face at the present drift. The crosscuts would naturally belocated on the best showings as exposed by the drifts rather than exactly where shown on this preliminary plan. With drift directions and crosscuts dependent on the trend and structure of the vein and on showings encountered, adequate supervision and careful sampling and assaying will be necessary as the project progresses.

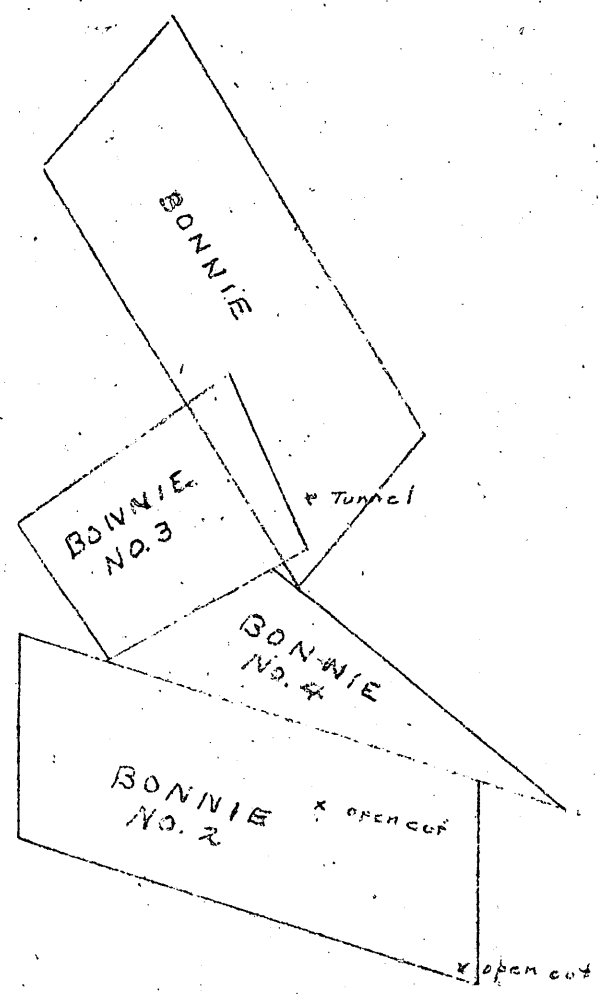
Little secondary mineralization has been noted along this main vein. Hence, it is concluded that most of the values occur as pitchblende or uraninite. If so, this is a rather unique deposit in this section of the country and since commercial or near commercial ore is present, an exploration program to determine the economic possibilities is merited and necessary in my judgement.

Everett Hougland

Everett Hougland
Professional Engineer

Bonnie Mine, Inc.
Harry E. Rogers, Prex.
Box 294
Colville, Wash.

BONNIE GROUP
Sec. 30, T 37 N, R 37 E.
Scale 1" = 600'




N

30 29
31 32

Bonnie Mine, Inc.
Harry E. Rogers, Pres.
Box 274
Colville, Wash.

RECEIVED
AUG 27 1956

DMEA Form 20
March 1958

Code 225
to file

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

MEMORANDUM OF CONGRESSIONAL CALL

TO: Director, Division of Legislation (DL)

FROM: Administrator, DMEA O. M. Mattendorf (Signature) 4/7/58 (Date)

Call from Senator Neuberger's office by Mr. Jones Date of call April 1, 1958 Time 2:00 p.m.

State below subject of call and conclusions or action taken.

Re: Possible reopening of application:

Docket No. DMEA-4438 (Uranium)

Bonnie Mine, Inc.,

Ferry County, Washington

Denied January 22, 1957

Mr. Jones asked if DMEA would re-examine the property since work done subsequent to the denial had exposed ore-grade material. It was suggested that he advise the Applicant to contact our Field Team or submit a new application, detailing the new work and results. Mr. Jones agreed with this suggestion.

Division of Rare and Miscellaneous Metals

F. M. Murphy (Call received by) 4-1-58 (Date)

F. M. Murphy

Prepare in duplicate when call is received. Send both copies to Administrator who will send original to DL and copy to DMEA Central Files. If call pertains to application or contract, copy will be recorded and filed in official docket.

34038

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
So. 157 Howard Street
Spokane 4, Washington

February 7, 1957

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

Re: Docket No. DMEA-4438 (Uranium)
Bonnie Mine, Inc.
Bonnie Group
Ferry County, Washington

Dear Mr. Selfridge:

Enclosed are four copies of a letter from Arthur E. Granger, AEC, in which he concurs with the Field Team that Government sponsored exploration on this group of claims does not seem warranted.

Sincerely yours,

A E Weissenborn

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW District

Enclosures

cc: USBM (2)
Sample

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 11 1957

| DATE | INITIALS | CODE |
|---|---|---|
| 2-11 | C | 220 |
| | ~~Murphy~~ | ~~700~~ |
| | (denied) | 225 |
| | | |
| | | |
| | | |
| | | |

ATOMIC ENERGY COMMISSION

SALT LAKE AREA OFFICE
P. O. BOX 2196
SALT LAKE CITY, UTAH

IN REPLY REFER TO: SLAO:AEG:af

January 30, 1957

OFFICIAL FILE COPY
DMEA
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| | | |
| | | |

DMEA

Mr. A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW District
South 157 Howard Street
Spokane 4, Washington

Dear Al:

Reference is made to your letter of January 11 pertaining to Docket No. DMEA-4438 (Uranium), Bonnie Mine, Inc., Ferry County, Washington.

In view of the sporadic occurrence of uranium concentrations, the low grade of the mineralized zones, and the lack of obvious structural or stratigraphic guides, government-sponsored exploration on this group does not seem warranted. A more complete report is available at our office in Spokane.

Sincerely yours,

Arthur E. Granger
Manager
Salt Lake Area Office

cc: DLHetland, AEC, Spokane

DMEA Form 7
(12-56)

700

OFFICIAL FILE COPY

| Date | Surname | Code |
|---|---|---|
| 1-22 | Murphy | 700 |
| 1-23 | Kubacke | 700 |
| 1/23 | Selfridge | 130 |
| | [illegible] | 110 |
| " | Mittendorf | 100 |
| 1-24 | CW | 220 |

JAN 23 1957

Bonnie Mine, Inc.
Box 294
Colville, Washington

Re: Docket No. DMEA-4438 (Uranium)
Bonnie Group
Ferry County, Washington

Nelson
Paone

Gentlemen:

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, although noting some uranium mineralization on your property, indicates to us that the probability of disclosing significant ore reserves is not sufficiently promising to justify Government participation. We regret to advise you that, under these circumstances, your application for exploration assistance is denied.

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

FMMurphy/izm 1-22-57
cc to: Code 700
Mr. Murphy
Admr.'s Reading File
Operating Committee
DMEA FT Reg. I, NW Dist. (2)
Messrs. JECrawford, 3643
THKiilsgaard, 5224
JKratchman, AEC

8623

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

DOCKET COPY

Murphy

January 22, 1957

Summary of Proposed Project

| | |
|---|---|
| Object: | Denial of application for exploration aid. |
| Docket No.: | DMEA-4438 |
| Commodity: | Uranium |
| Amount of application: | $24,115.00 |
| Applicant: | Bonnie Mine, Inc.<br>Box 294<br>Colville, Washington |
| Property: | Owner by location of Bonnie claims (4), situated in sec. 30, T. 37 N., R. 37 E., W.P.M., Ferry County, Washington. |
| Date of application: | August 21, 1956 |
| Referred to Region I, Northwest District | September 12, 1956 |
| Field examination made: | October 24-25, 1956 |
| Field Team Report recd.: | January 7, 1957 |
| Work proposed: | Drift north and south a total of 380 feet from the end of the present adit and drive 6 crosscuts, each about 20 feet long, into the walls at places that show high radioactivity. |

| Estimated Costs: | | | |
|---|---|---|---|
| | Crosscutting and drifting, 500 feet @ $37/ft. | $18,500.00 | |
| | Supervision and geological consultant, 4 days/mo. for 12 months @ $50.00/day | 2,400.00 | |
| | Bulldozing, 83 hours @ $15/hr. | 1,245.00 | |
| | Compressor and machinery shed | 200.00 | |
| | 50 chemical analyses, $U_3O_8$ @ $5.00 each | 250.00 | |
| | Accounting - $60/mth. for 12 mos. | 720.00 | |
| | Contingencies | 800.00 | $24,115.00 |

Excerpts from Field Team report:

The claims are underlain by a complex mass of metamorphic rocks which have been intruded by pegmatite dikes and sills. The metamorphic rocks are dark, amphibole-biotite schists and gneisses with almost horizontal foliation. Many granitic intrusions, ranging in thickness from a fraction of an inch to several feet, occur irregularly along the foliated layers. Several of these intrusions show slight radioactivity, but only two show anomalies stronger than average, one on the Bonnie claim and the other on Bonnie No. 2.

An assay of a sample taken from a pit on the outcrop on Bonnie No. 2, indicates that the formation contains little uranium. The pegmatite sill on the Bonnie claim is exposed for a distance of 300 feet and has been explored by one adit 40 feet in length. A second adit has been started. The pegmatite sill swells and pinches along the canyon wall with the extensions at either end obscured by talus. It pinches in the face of the adit and could not be found on the opposite wall of the canyon. Six samples taken along this outcrop show only one small spot that approaches commercial ore grade. Other spots are well below commercial ore grade but give fair Geiger readings over narrow widths.

The examiners conclude that the chance of finding minable uranium ore on the claims is very slight and, therefore, recommend the application be denied. The Field Team concurred in this recommendation.

Commodity Members' comments (excerpts):

U. S. Bureau of Mines, J. E. Crawford, January 15, 1957.

Mr. Crawford concurs in the denial recommended by the Field Team.

U. S. Geological Survey, N. E. Nelson, January 16, 1957.

Mr. Nelson agrees with the field examiners that, because of the lack of ore grade material and probable lack of continuity of the sill, the subject application should be denied.

Rare and Miscellaneous Metals Division, F. M. Murphy, January 22, 1957.

Preliminary pit and adit work on the claims indicate a subcommercial grade of uranium ore occurs in narrow pegmatite sills that are not of minable widths. The best sill, followed by the adit, pinched out less than 40 feet from the portal.

Conclusion and Recommendation:

The size and grade of the pegmatite sills exposed on the claims indicate that the proposed project would not result in a discovery of significant uranium ore deposits. Therefore, this division concurs in the Field Team's recommendation that the application should be denied.

for Ernest Wm. Ellis

| OFFICIAL FILE COPY DMEA RECEIVED JAN 15 1957 | | |
|---|---|---|
| DATE | INITIALS | CODE |
| 1-15 | C | 220 |
| 1-16 | Murphy | 700 |
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| | | |
| | | |
| Memorandum | | |

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

Date January 15, 1957

DMEA Docket No. 4438
DMEA Contract No.
Commodity Uranium
Name of applicant Bonnie Mine, Inc.
Name of property Bonnie Group of Claims
Location of property Ferry County, Washington
Estimated cost of project $24,115.00

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee
From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee
Subject: Review of Field Team Report
(Application, Field Team Report, etc.)

1. Date of subject document: 12/28/56. 2. Date received by reviewer: 1/8/57.
3. Prior reports on this property known to reviewer: Yes ☐ No ☐
4. Prior reports on nearby properties known to reviewer: Yes ☐ No ☐
5. Information available on past production: Yes ☐ No ☐
6. Other pertinent factors known to reviewer: Yes ☐ No ☐
7. Explain items marked yes above:

8. Factors needing special consideration:
a. Location ☐
b. Ownership ☐
c. Evidence of mineralization ☐
d. Geology ☐
e. Proposed exploration method ☐
f. Alternate exploration method ☐
g. Costs ☐
h. ____ ☐

9. Action advised:
a. Obtain information from applicant ☐
b. Refer to Field Team ☐
c. Denial [x]
d. Agree with Field Team [x]
e. Disagree with Field Team ☐
f. Suggest alternate plan ☐
g. Request another examination ☐
h. Approval ☐
i. Consult with Mr. ____ at ____ AEC office.

10. Remarks: (Use back of page if necessary) Mr. J. O. Hosted, Washington representative of the Atomic Energy Commission, assisted in the review.

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

IN REPLY REFER TO:

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 18 1957

| DATE | INITIALS | CODE |
|---|---|---|
| 1-18 | CW | 220 |
| 1-18 | Murphy | 700 |

January 16, 1957
Re: DMEA 4438
Bonnie Mine, Inc.
Bonnie Group
Ferry County, Washington
$24,115.00 - Uranium

Memorandum

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

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

Subject: Review of Field Team Report

The applicant requested assistance in exploring a flat lying pegmatite sill, readings on which showed low radioactivity.

The sill is exposed in a canyon wall for about 300 feet and ranges from 0.6 to 1.6 feet in thickness. Of 4 samples taken along the outcrop, only one showed near ore grade material, 0.6 feet @ 0.179% $U_3O_8$. Two samples taken in the 40-foot adit ran only 0.03 and 0.040% $U_3O_8$. The sill pinches out and does not show in the face of the adit.

Because of the lack of ore grade material and probable lack of continuity of the sill, the examiners and the Field Team recommend that the application be denied.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

| EXTRA COPY DMEA RECEIVED | | |
|---|---|---|
| DATE | INITIALS | CODE |
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| | | |
| | | |
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| | | |

xxxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

January ~~11, 1957~~

Mr. Arthur E. Granger, Chief
U. S. Atomic Energy Commission
P. O. Box 2196
Salt Lake City, Utah

Re: Docket No. DMEA-4438 (Uranium)
Bonnie Mine, Inc.
Bonnie Group of Claims
Ferry County, Washington

Dear Mr. Granger:

Enclosed for your evaluation is a copy of an application for exploration for uranium and a copy of an examination report dated November 20, 1956, on the above referenced property.

We would appreciate any comments you may have regarding the merits of this application.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW District

Enclosures

cc: DMEA (2)
USBM (2)
Sample

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
So. 157 Howard Street
Spokane 4, Washington

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 7 1957

| DATE | INITIALS | CODE |
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| | | 130 |
| 1-14 | C | 220 |
| 1-14 | Murphy | 700 |

December 28, 1956

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

Re: Docket No. DMEA-4438 (Uranium)
Bonnie Mine, Inc.
Bonnie Group of Claims
Ferry County, Washington

Dear Mr. Selfridge:

Enclosed are four copies of a field examination report written by R. D. Sample, geologist of the Geological Survey, and E. W. Parsons, mining engineer of the Bureau of Mines, in regard to the Bonnie Group of claims in Ferry County, Washington.

Sample and Parsons conclude that the pegmatite is thin and shows no evidence of broad lateral extent, that assays of samples taken from the most radioactive localities are very low grade, and that therefore the chance of making a significant discovery is poor. They recommend that the application be denied.

The Field Team concurs with the recommendation of the examiners.

By Field Team, Region I, NW District

Wing G. Agnew

Wing G. Agnew, Acting Exec. Officer
U. S. Bureau of Mines

Donald R. MacLaren

Donald R. MacLaren, Acting Member
U. S. Geological Survey

Enclosures
cc: USBM(2)
USGS(SRO)
AEC, SLC
AEC, Spokane
Sample

Reviewed by
DMEA OPERATING COMMITTEE
1-9-57
(date)

ON-SITE EXAM. REPORT

DMEA/U)

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 7 1957

| DATE | INITIALS | CODE |
|---|---|---|
| | | 130 |
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| | | |
| November 20, 1956 | | |
| | | |
| | | |

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Sc. 157 Howard Street
Spokane 4, Washington

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: R. D. Sample, Geologist, U. S. Geological Survey and
E. W. Parsons, Mining Engineer, U. S. Bureau of Mines

Subject: Field Examination Report, Docket No. DMEA-4438 (Uranium),
Bonnie Mine, Inc., Bonnie Group of Claims,
Ferry County, Washington

## INTRODUCTION AND SUMMARY

This memorandum evaluates an application dated August 21, 1956, from the Bonnie Mine, Inc., for Government aid to explore for uranium in a pegmatite which outcrops for about 300 feet along a canyon wall on the Bonnie Group of claims in Ferry County, Washington. The applicant proposes a program comprising drifting and crosscutting estimated to cost $24,115.

The property was examined on October 24 and 25, 1956. Mr. Harry E. Rogers, representative for the applicant, and Mr. Everett D. Hougland, a professional engineer, accompanied the examiners. They pointed out the mine workings and pegmatite outcrops which showed the highest radioactivity. A rough sketch map of the outcrop and adit workings was made showing approximately where six samples were taken (pl. 1). The examination also consisted of walking over the property with a Geiger counter and inspecting various pegmatites and prospect pits. At only a few places did the Geiger counter register above background count.

The Bonnie Group of claims is underlain by a complex mass of metamorphic rocks which have been intruded by pegmatite dikes and sills. The metamorphic rocks are dark, amphibole-biotite schists and gneisses with almost horizontal foliation. Many granitic igneous intrusions ranging in thickness from a fraction of an inch to several feet occur irregularly along the foliated layers. Several of these igneous intrusions show slight radioactivity anomalies, but only two show anomalies stronger than average, one on the Bonnie claim and the other on Bonnie No. 2. A small pit has been made on the out-

Reviewed by
DMEA OPERATING COMMITTEE
1-9-57
(date)

crop on the Bonnie No. 2 and results of a sample indicate the formation contains little uranium. The pegmatite sill on the Bonnie claim is exposed for a distance of 300 feet and has been prospected by one adit 40 feet in length. A second adit has just been started. The pegmatite sill swells and pinches along the canyon wall with the extensions at either end obscured by talus. It pinches in the face of the adit and could not be found on the opposite wall of the canyon. Six samples taken along this outcrop show only one small spot that approaches commercial grade. Other spots are well below commercial grade but give fair Geiger counter readings over narrow widths.

## RECOMMENDATIONS

It is recommended that the application be denied.

## APPLICANT

The applicant is the Bonnie Mine, Inc., Colville, Washington, a corporation incorporated under the laws of the State of Washington. Its principal officers are:

Harry E. Rogers, President
Box 294
Colville, Washington

Leonard L. Salter, Vice-President
449 N. Maple
Colville, Washington

Darlene Rogers, Secretary-Treasurer
Box 294
Colville, Washington

The company was formed to prospect and work the Bonnie Group of claims, and others which might be acquired. Mr. Rogers is an old time miner who has worked as miner, shift boss, foreman, and lessee in Oregon and Nevada and is capable of directing and managing a small mining operation.

## LOCATION AND ACCESSIBILITY

The Bonnie Group of lode claims is in the extreme east-central portion of Ferry County, sec. 30, T. 37 N., R. 37 E. W. P. M., about 7 miles northwest of Kettle Falls, Washington, which is on the Columbia River and is the nearest rail and shipping center. The claims may be reached from Kettle Falls by traveling northward over paved U. S. Highway 395 for 3½ miles to Nancy Creek, thence westerly

up Nancy Creek over a fair, graveled county road for 2½ miles, thence northward over an unimproved jeep road for 1 mile to the property. A foot trail leads from the end of the road along the base of the cliff to the adit and discovery pit.

The area is hot and dry during the summer and fall months with only an occasional shower of rain; the winter and spring months are cold and snowy. An all-weather access would be difficult to maintain on the unpaved roads during the winter months.

## PROPERTY RIGHTS

The property, which comprises four unpatented lode mineral claims, is held by right of discovery and location. The claims are all contiguous, with the Bennie and Bennie No. 2 being full-size claims and Bennie No. 3 and No. 4 being fractional claims, (pl. 1). The location certificates are recorded in the Ferry County Recorder's Office at Republic, Washington, as follows:

| Claim | Book | Page |
|---|---|---|
| Bennie | 12 | 422 |
| Bennie No. 2 | 12 | 459 |
| Bennie No. 3 | 12 | 590 |
| Bennie No. 4 | 13 | 99 |

No adverse claims to this property are reported.

## DESCRIPTION OF PROPERTY

The applicant's northernmost claim (Bennie) straddles a small steep canyon which is tributary to Katy Creek half a mile to the east. The other contiguous claims lie to the south along the northeastern slope of the canyon. Altitudes range from about 2,500 feet at the bottom of the canyon to about 3,000 feet on the higher slopes. Outcrops of schist and pegmatite are common over most of the property as the soil covering is relatively thin except in small local depressions. Vegetation consists of sparse to moderate stands of timber, brush and short bunch grass.

No equipment or facilities for exploration and mining are now on the property, except one small wooden structure used for a tool house. The workings consist of an adit about 40 feet in length driven westward from the cliff face and a few prospect pits in various exposures on the claims. Some bulldozing has been done along the base of the cliff.

## HISTORY AND PRODUCTION

No commercial production of minerals is known from this general area. The discovery of radioactive anomalies along a few of the pegmatite dikes and sills created a rush of claim staking by local inhabitants with little thought being given to valid discoveries.

## SOURCES OF SUPPLY

Materials, supplies, and equipment may be secured in Colville, Washington, 15 miles to the south. The nearest water supply is 3 miles distant. The nearest power lines are about 4 miles from the property. Labor is available in Kettle Falls and Colville.

## GEOLOGY

The Bonnie Group of claims is underlain by a rather complex mass of metamorphic rocks which have been intruded by pegmatite dikes and sills. In the vicinity of the applicant's property, the country rock is a dark amphibole-biotite schist with many injections of light colored pegmatitic granite. Most of the injections follow the schistose foliation in an irregular sillike manner but a few cut across the foliated layers as dikes. The granite pegmatites pinch and swell from a fraction of an inch to 3 or 4 feet within short distances. Coarse crystals within the pegmatites are often squeezed, elongated and recemented so that they resemble a quartzite in both texture and appearance. This complex mass of country rocks is essentially flat lying in the vicinity of the property but over a broader area has a gently rolling structure with a northerly strike and slight easterly dip. Numerous vertical joints and small cross fractures cut through both the schistose layers and pegmatite injections, but no faulting was observed. There is no evidence of baking or contact metamorphism between the injections and schist wall rock.

Weak mineralization of radioactive minerals occurs in a few places in some of the pegmatite intrusions. On the applicant's property this mineralization appears to follow, for a distance of about 300 feet, an irregular, reddish to pink, granitic pegmatite varying in width from 0.5 foot to 1.5 feet. An adit about 40 feet long has been driven into this radioactive pegmatite starting where the sill is about at its maximum thickness. The sill thins rapidly until it disappears entirely at the face of the adit.

The applicant believes that this same pegmatite sill will be found again if the adit is extended a little farther and short crosscuts be driven into the walls of the extended adit. However, there is no geological evidence to support such a contention. Exposures of the pegmatites along the cliff face are difficult to follow for any great distance. Usually they pinch out or merge with other pegmatite. Chemical assays of six samples taken from this sill where it outcrops along the cliff and is exposed in the adit gave the following results (pl. 1). Samples 104B through 109B were taken from the best radioactive pegmatite on the Bonnie claim and sample 110B was taken from the best pegmatite found on Bonnie No. 2.

| Sample No. | Channel cut (feet) | $U_3O_8$ | Remarks |
|---|---|---|---|
| 104B | 1.0 | 0.030 | South wall of adit |
| 105B | 0.6 | 0.040 | Near pinchout towards face |
| 106B | 1.6 | 0.044 | Cliff face by adit |
| 107B | 0.6 | 0.179 | Cliff face to north of 106B |
| 108B | 1.6 | 0.052 | At discovery pit to north of adit |
| 109B | 1.4 | 0.064 | Cliff face to south of adit |
| 110B | 1.4 | 0.066 | On Bonnie No. 2 Claim discovery pit |

## APPLICANT'S PROPOSAL

The applicant proposes to drift both northerly and southerly from the end of his present adit for a total distance of 380 feet and to drive a total of 120 feet of crosscuts, each about 20 feet long, into the walls at places that show good radioactivity anomalies.

A summary of the applicant's proposed exploration and costs is given below:

| | |
|---|---|
| Crosscutting & drifting 500 ft. @ $37/ft. | $18,500.00 |
| Supervision & geological consultant 4 days/mo. for 12 mos. @ $50/day | 2,400.00 |
| Bulldozing - 83 hours @ $15/hr. | 1,245.00 |
| Compressor and machinery shed | 200.00 |
| Assaying - 50 chemical analyses @ $5 each | 250.00 |
| Accounting - $60 mo. for 12 mos. | 720.00 |
| Contingencies | 800.00 |
| Total | $24,115.00 |

## CONCLUSIONS

The samples taken from the most favorable exposures in the adit and along the cliff face were all below commercial grade except one small spot. The radioactive pegmatite pinches out as it extends into the adit and cannot be traced with any great certainty along the outcrop face. The pegmatite seldom exceeds over 1 foot in thickness and shows no evidence of broad lateral extent. It is therefore concluded that the chances of finding minable uranium is very slight, and the examiners recommend that the application be denied.

Enclosure

Distribution:
DMEA (4)
USBM (5)
USGS (SRO)
AEC (SLC)
AEC (Spokane)
Docket
Sample

RECEIVED
SEP 24 1956

xxxxxxxxxxxxxxxxxxx
So. 157 Howard St.
Spokane 4, Washington

September 18, 1956

MEMORANDUM

To: Mr. Steve Zoldok

From: A. E. Weissenborn

Subject: Docket No. DMEA-4438 (Uranium), Bonnie Mine, Inc., Bonnie Group, Ferry County, Washington

This application has been referred to the field for examination. No one is available at the present moment to examine it, but we plan to schedule the examination as soon as either Sample or MacLaren returns from the field.

A. E. Weissenborn

cc: DMEA (2)

700

FILE COPY
Surname:
Murphy
Lamar
Kilcoyne
Lamar
Selfridge

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

SEP 12 1956

Bonnie Mine, Inc.
Box 294
Colville, Washington

Re: Docket No. DMEA-1438 (Uranium)
Bonnie Group
Ferry County, Washington

Gentlemen:

The application for assistance in exploring your property, under the captioned docket number, has been reviewed by the Rare and Miscellaneous Metals Division of the Defense Minerals Exploration Administration. It has been referred for a field examination to:

Mr. A. E. Weissenborn
Executive Officer, DMEA Field Team
Northwest District, Region I
South 157 Howard Street
Spokane 4, Washington

The Regional Office will contact you at the earliest opportunity in regard to your project.

Sincerely yours,

Frank E. Johnson
(Acting)
ACTING Administrator

FMMurphy/izm 9-7-56
cc to Docket
Code 700
Mr. Murphy
Admr.'s Reading File
DMEA Field Team, Reg. I, NW Dist. (2)

R.C.L.

700 Selfridge. Johnson

SEP 12 1956

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team
Region I, Northwest District
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA-4438 (Uranium)
Bonnie Mine, Inc.
Bonnie Group
Ferry County, Washington

Dear Mr. Weissenborn:

The captioned application is referred to Region I, Northwest District, Field Team for a field examination and recommendation.

Enclosed are copies of memoranda, dated August 29, and September 4, 1956, by M. E. Nelson, USGS, and J. E. Crawford, USBM, respectively, relating to the subject application.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (-16)

Enclosures

APPROVED:

Frank D. Lamb

Member, Bureau of Mines (-16)

Thor H. Kiilsgaard

Member, Geological Survey (-16)

FMMurphy/GCSelfridge/ism/gla/esf
(9-7-56) 9-11-56
cc to: Docket
Code 700
Admr. R. File
Mr. Murphy
Operating Committee
Messrs: JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JCHosted, Rm. 3210, GSA

RGL

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

RECEIVED
SEP - 6 1956

Date September 4, 1956

DMEA Docket No. 4438
DMEA Contract No.
Commodity Uranium
Name of applicant Bonnie Mine, Inc.
Name of property Bonnie Mine
Location of property Ferry County, Washington
Estimated cost of project $24,115.00

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

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

Subject: Review of Application for aid
(Application, Field Team Report, etc.)

1. Date of subject document: 8-21-56. 2. Date received by reviewer: 8-27-56

3. Prior reports on this property known to reviewer: Yes [ ], No [x].

4. Prior reports on nearby properties known to reviewer: Yes [ ], No [x].

5. Information available on past production: Yes [ ], No [x].

6. Other pertinent factors known to reviewer: Yes [ ], No [x].

7. Explain items marked yes above:

8. Factors needing special consideration:
   a. Location [ ]
   b. Ownership [ ]
   c. Evidence of mineralization [x]
   d. Geology [x]
   e. Proposed exploration method [ ]
   f. Alternate exploration method [ ]
   g. Costs [ ]
   h. _____ [ ]

9. Action advised:
   a. Obtain information from applicant [ ]
   b. Refer to Field Team [x]
   c. Denial [ ]
   d. Agree with Field Team [ ]
   e. Disagree with Field Team [ ]
   f. Suggest alternate plan [ ]
   g. Request another examination [ ]
   h. Approval [ ]
   i. Consult with Mr. Granger at Salt Lake City AEC office.

10. Remarks: (Use back of page if necessary)
Samples indicated in attached report are probably selected material and not representative of the deposit, particularly if the material is pegmatitic in nature. **This application has also been reviewed by Joseph O. Hosted, Washington representative of the Atomic Energy Commission.**

8/31/56

IN REPLY REFER TO:

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

August 29, 1956

Re: DMEA 4438
Bonnie Mine Inc.
Bonnie Mine
Ferry Co., Wash.
$24,115 - 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 drifting and crosscutting a horizontal, few to 24-inch conformable pegmatitic sill in schist, which by a small amount of work has been shown to be radioactive.

Samples taken along the outcrop assaying as high as 1.08% $U_3O_8$ are reported. Probably the full thickness was sampled, but no widths (thicknesses) are given. A 40-foot adit has been driven into the face of the cliff on the sill. No samples appear to have been taken in the adit. The proposed work consists of branches from the face of the adit and short crosscuts from the drift-like branches. Other sills are reported to contain radioactive material.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

August 27, 1956

Bonnie Mine, Inc.
P. O. Box 294
Colville, Washington

Subject: DMEA-4438
Re: Exploration Assistance
Bonnie Mine

Gentlemen

The receipt of your application dated August 21, 1956 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4438 and referred to the Rare & Misc. Metals Division.

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

Sincerely yours,

Allen S. Dakan
[redacted], Chief
Operations Control and
Statistics Division

August 27, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region I,NW

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 I,NW.

DMEA - 4438 Bonnie Mine, Inc.
Bonnie Mine

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

# U. S. Government Messenger Envelope

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| ~~Ethel Pratt~~<br>~~Miss L. Dyosits~~<br>~~5223 Int. Bldg~~ | RUN<br>STOP | | RUN<br>STOP |
| Mr. Elizwold<br>4444 Int. | RUN<br>STOP | | RUN<br>STOP |
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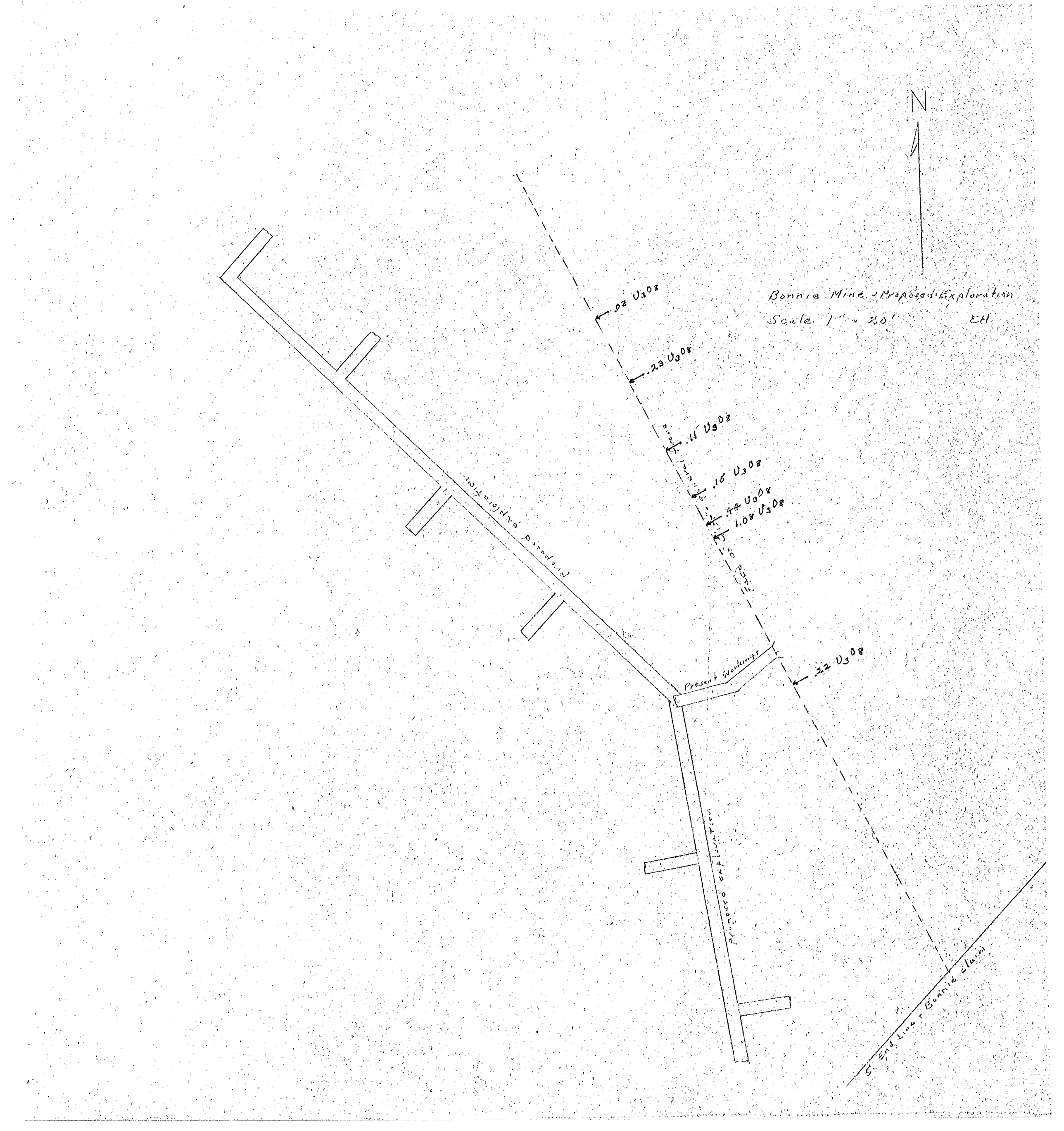
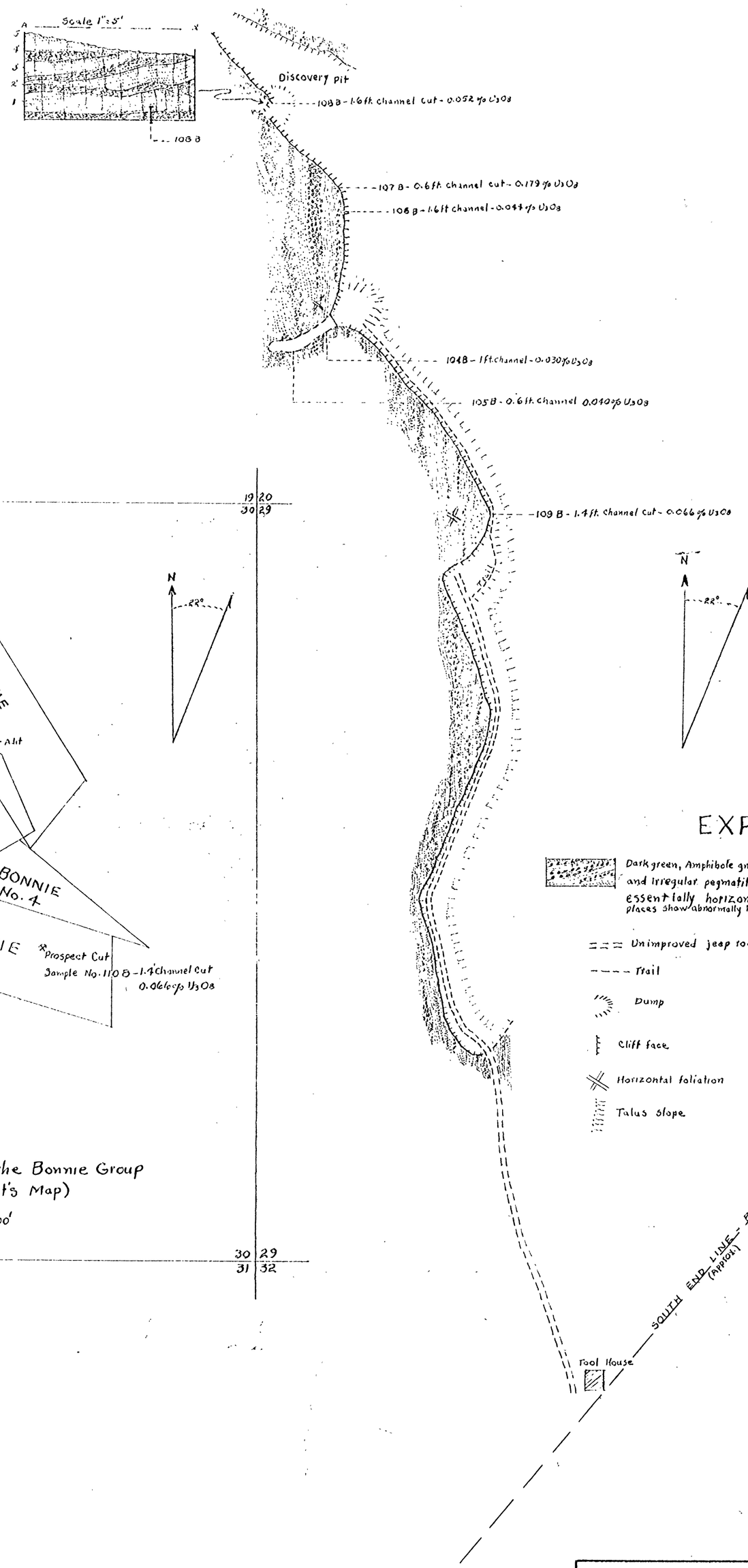
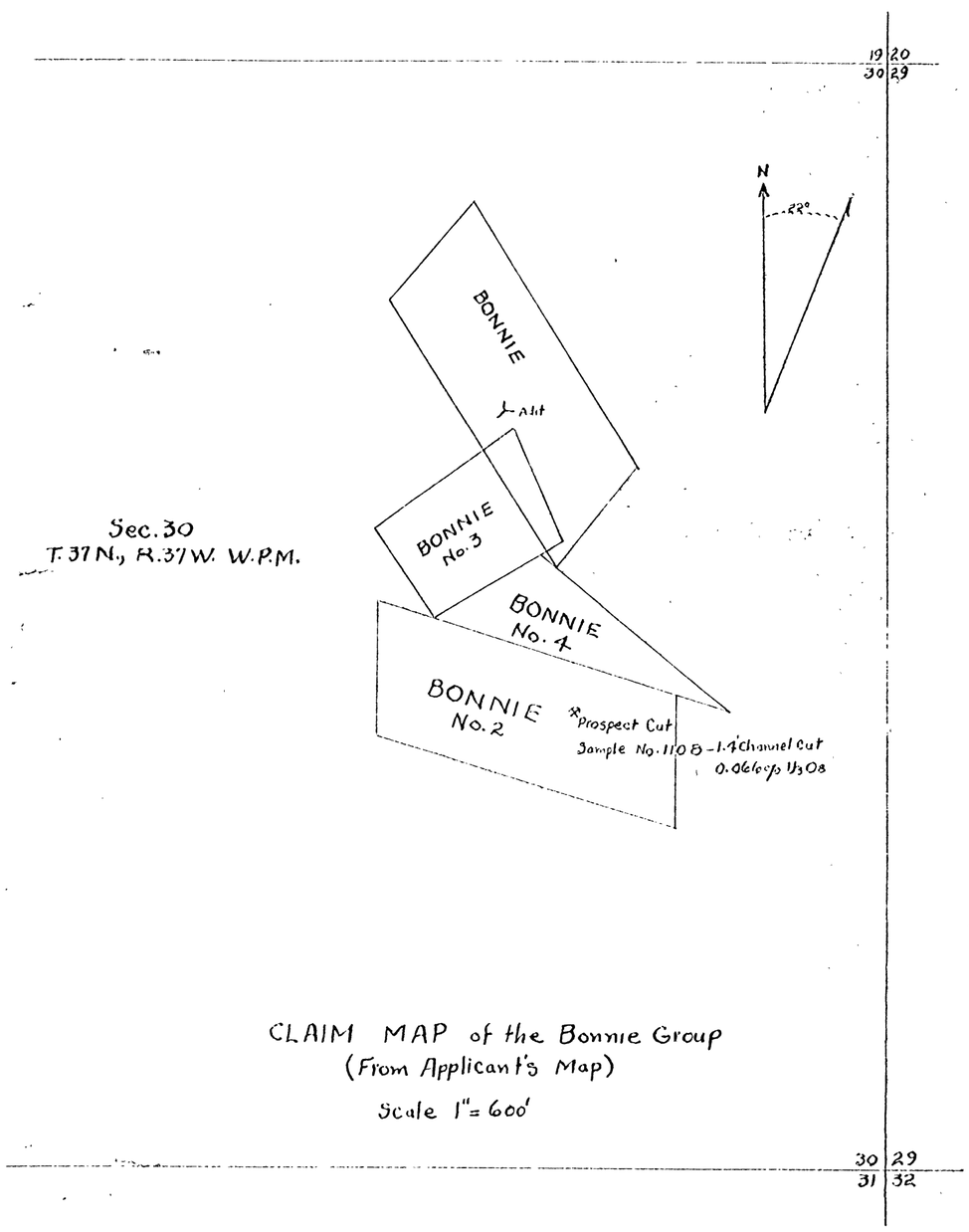

N
Bonnie Mine - Proposed Exploration
Scale 1" = 20'
EH.
.03 $U_3O_8$
.23 $U_3O_8$
.11 $U_3O_8$
.15 $U_3O_8$
.44 $U_3O_8$
1.08 $U_3O_8$
.22 $U_3O_8$
Present workings
Proposed exploration
Proposed exploration
S. End Line - Bonnie claim




CLAIM MAP of the Bonnie Group
(From Applicant's Map)
Scale 1" = 600'

## EXPLANATION

Dark green, Amphibole gneiss & schist with abundant quartz stringers and irregular pegmatite-granite masses injected along the essentially horizontal foliation. Some of the pegmatites in places show abnormally high radio activity.

Unimproved jeep road

Trail

Dump

Cliff face

Horizontal foliation

Talus slope

SKETCH MAP of the BONNIE MINE, INC. PROPERTY
SEC. 30, T. 37 N., R. 37 E., W.P.M.
FERRY COUNTY, WASHINGTON

Nov. 1956 by R.D. Sample and E.W. Parsons

Scale: 1" = 50'

Plate 1