DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 2986

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Action on this document is recorded and controlled in Reports and Records Branch. Any movement of this document between divisions or offices of DMA or movement outside DMA must be reported to the Reports and Records Branch. Actions taken that affect status of the case must also be reported.

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EXPLORATION ASSISTANCE

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Routing Slip

CYS TO USGS, USBM.1 cy retained Reg. V

To:	Code 700	Date	4/20/53
To:	Code 700 Rm 4640	Date	7-30-53
To:	Oper. Com.	Date	9-2-53
To:	Oper Com	Date	9-9-53
To:	Oper Com	Date	9-14-53
To:	Code 700 Rm 4640	Date	9-17-53
To:	Mails & Files 4070	Date	9-17-53
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
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DO NOT DETACH

CONTROLLED DOCUMENT

Suggest that reference be made to our 2 letters — & that

Failure to reply necessitated evaluation on basis available data — which did not meet requirements under your paragraph 2 — i.e. show promise of yielding et cetera

At future date if more tangible evidence presented — etc — will reconsider, etc

Return to
House for
rewrite

Noted for Mr. M.
See Mr. Selfridge.

FILE COPY
SURNAME: 9B

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

Kerbel
Hughes
Selfridge
Edwards

Mr. H. L. Bieber
Edgemont, South Dakota

SEP 1 4 1953

re: Docket No. DMA-2986 (Uranium)
Bieber Group of Mining Claims
Fall River County, South Dakota

Dear Mr. Bieber:

Reference is made to your application for Government aid to explore the captioned project, and to our two letters dated May 21, 1953, and July 30, 1953. Our letters requested certain additional information which we required to better evaluate your proposed project. Your failure to reply and provide the requested information necessitated an evaluation of the proposed project on the basis of available data.

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

A careful study of your application and data available to this Agency, and our examination of the property concerned, indicate to us that the probability of disclosing minable ore reserves of acceptable grade by your proposed exploration program is not sufficiently promising to justify Government participation. Under these circumstances, we regret to advise that your application for exploration aid is denied.

At a future date if more tangible evidence is presented which would materially alter this opinion, please be assured we will be glad to consider a new application.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

FLKnouse/COMittendorf/db
9-11-53
cc to: Adm. Reading File
Operating Committee
Docket
Messrs. H.D.Keiser, Rm. 3641
A.F.Butler, Jr., Rm. 3206, GSA
Ellis
Knouse
DMEA Field Team, Region V (2)

HHB 9-15-53

FILE COPY
SURNAME:

T. L. House
Ellis
Hedges
Lowell
Lyndge
Fleming

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

August 13, 1953

SUMMARY OF PROPOSED PROJECT

Docket No. DMEA-2986
Applicant: H. L. Bieber, Edgemont, South Dakota
Subject: Denial of application
Commodity: Uranium
Location of property: Fall River County, South Dakota Region V
Date of application: January 12, 1953
Amount of application: $25,725.00

Outline of project: Applicant states that no work other than a few small discovery pits has been done on the property and the only indications of mineralization consists of a minor amount of radioactive float material which has been found in some of the canyons.

The Applicant proposes to explore the property described in this application in three phases, as follows:

Phase I - Radiometric Survey
Phase II - Bulldozer stripping and wagon drilling
Phase III - Driving adits and cross cuts

Field Team Report: Dated April 15, 1953
By: E. O. Binyon, Mining Engineer, USBM
J. A. Redden, Geologist, USGS
Region V transmittal letter April 17, 1953

Recommendations: "It is believed that as a matter of good faith the Applicant should do the rudimentary prospecting on his claim. If from this only a few anomalies or exposures of mineral are found, then an application for aid in exploration would be justified."

Denial of the application on the basis of insufficient evidence that a project is warranted at this time.

Commodity Members' Comments:

Bureau of Mines: H. D. Keiser, dated April 24, 1953. After discussing the report and application with Mr. Arthur P. Butler, Jr., Geological Survey Member, and Mr. Joseph O. Hosted, representative of the Atomic Energy Commission, recommends the field team report be approved, and that the application be denied.

Geological Survey: Arthur P. Butler, Jr., dated April 29, 1953. Recommends that the application as it stands be denied. Suggests, however, that the applicant be advised that if he can submit more tangible evidence of the presence of uranium in place, a new or amended application would receive consideration.

Rare & Misc. Metals Division Engineer: F. L. Knouse

Before denying the application, and following the suggestion of the USGS Commodity Member, a letter was written to the Applicant on May 21, 1953, requesting that he supply maps or sketches showing the locations of the test pits in relation to the mining claim line with either a section sketch of each pit or narrative description describing the uranium content found in each pit in terms of pounds or percentage per ton of material excavated, and to furnish other information outlined in the letter.

No reply was received from the Applicant to the above letter, which necessitated a follow-up letter being written, under date of July 30, at which time he was advised that the case would be closed on August 28, 1953, if the required data was not received. No response to this letter has been received.

Accordingly, a letter of denial has been prepared.

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare & Misc. Metals Division

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

August 13, 1953

SUMMARY OF PROPOSED PROJECT

Docket No. DMEA-2986
Applicant: H. L. Bieber, Edgemont, South Dakota
Subject: Denial of application
Commodity: Uranium
Location of property: Fall River County, South Dakota Region V
Date of application: January 12, 1953
Amount of application: $25,725.00

Outline of project: Applicant states that no work other than a few small discovery pits has been done on the property and the only indications of mineralization consists of a minor amount of radioactive float material which has been found in some of the canyons.

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Phase I - Radiometric Survey
Phase II - Bulldozer stripping and wagon drilling
Phase III - Driving adits and cross cuts

Field Team Report: Dated April 15, 1953
By: E. O. Binyon, Mining Engineer, USBM
J. A. Redden, Geologist, USGS
Region V transmittal letter April 17, 1953

Recommendations: "It is believed that as a matter of good faith the Applicant should do the rudimentary prospecting on his claim. If from this only a few anomalies or exposures of mineral are found, then an application for aid in exploration would be justified."

Denial of the application on the basis of insufficient evidence that a project is warranted at this time.

Commodity Members' Comments:

Bureau of Mines: H. D. Keiser, dated April 24, 1953. After discussing the report and application with Mr. Arthur P. Butler, Jr., Geological Survey Member, and Mr. Joseph O. Hosted, representative of the Atomic Energy Commission, recommends the field team report be approved, and that the application be denied.

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Rare & Misc. Metals Division Engineer: F. L. Knouse

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Accordingly, a letter of denial has been prepared.

Ernest Wm. Ellis, Chief
Rare & Misc. Metals Division

FILE COPY
SURNAME:

Docket.
F.L. Knouse
Mathews

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

JUL 30 1953

Mr. H. L. Bieber
Edgemont, South Dakota

Re: Docket No. DMA-2986 (Uranium)
Bieber Group of Mining Claims
Fall River County, South Dakota

Dear Mr. Bieber:

A review of your application of January 21, 1953, for Government exploration aid to explore the captioned property at a total estimated cost of $27,725.00, reveals that on May 21, 1953, we requested additional information necessary to process your application.

Inasmuch as we have received no reply, we assume that you no longer desire to proceed with the application. We wish to cooperate with you in the matter of allowing ample time, but if the needed data has not been received by August 25, 1953, we will then close the case.

Sincerely yours,

SIGNED

F. L. Knouse
For: Ernest W. Ellis, Chief
Rare & Misc. Metals Division

FLKnouse/gla/db
7-29-53
cc to: Adm. Reading File
Docket
Messrs: H.V.Keiser, Rm. 3641
A.P.Butler, Jr., Rm. 3206, GSA
Ellis
Knouse
DMA Field Team, Region V (2)

R.C.G.
7-30-53

FILE COPY
SURNAME:

Docket
F.L. Knouse
Ellis
Butterworth

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

MAY 21 1953

Mr. H. L. Kieser
Edgemont, South Dakota

Re: Docket No. DMA-2906 (Uranium)
Kieser Group of Mining Claims
Fall River County, South Dakota

Dear Mr. Kieser:

Reference is made to your application for Government exploration aid to explore the captioned property at a total estimated cost of $27,725.00.

In order for us to continue with the processing of your application we will require the following:

1. In your application you state that several prospect pits have been dug and radioactive float ore has been found in the pits. Please supply maps or sketches showing the locations of these test pits in relation to the mining claim lines with either a section sketch of each pit or narrative description which (if available) describes the uranium content found in each pit in terms of pounds or percentage per ton of material excavated. Also show locations of float ore with uranium content, and describe the approximate quantity of float ore found. Also show the location and describe any encounter of uranium mineralization found in place.

2. On the maps or sketches show the work you propose to do which you believe is justified from the mineralization found.

As soon as we receive this information we will continue to process your application.

Sincerely yours,

SIGNED

Ernest Wm. Ellis, Chief
Rare and Micro. Metals Division

S.N.
5-21-53

FLKnouse/db
5-20-53
cc to: Adm. Reading File
Docket
Messrs: Mr. H. L. Kieser
Mr. A. P. Butler
Mr. Ellis
DMA Field Team, Region V (2)

5/15/53 gla

STANDARD FORM NO. 64

Office Memorandum · UNITED STATES GOVERNMENT

TO : E. Wm. Ellis, DMEA Member
Uranium Commodity Committee

DATE: April 29, 1953

FROM : Arthur P. Butler, Jr., USGS Member, Uranium Commodity Committee

SUBJECT: Application and Field Team Report, DMEA Docket 2986 (Uranium), H. L. Bieber, Edgemont, South Dakota, applicant; Buddy and Fellows group and other contiguous claims, Secs. 3, 4, 9, and 10, T. 7 S., R. 2 E., Fall River County, South Dakota.

Defense Minerals Exploration Administration
RECEIVED
MAY 15 1953

Proposal

The applicant proposes to explore the property identified in the subject above in three phases, at a total cost of $27,725, as follow:

Phase I.--Radioactivity Survey
Phase II.--Bulldozer stripping and wagon drilling
Phase III.--Driving adits and cross cuts

Comment

Both the application and the Field Team report, indicate that no uranium-bearing rock has been found in place on the applicant's property. Presence of uranium is suspected only because of some uranium-bearing float found by the applicant at an unspecified locality. According to the Field Team, however, parts of the claims are underlain by the Dakota formation. Elsewhere in the general region this formation is the host for the principal uranium deposits so far found; but no uranium-bearing rock in the Dakota is known nearer than 10 miles from the property.

I concur with the Field Team's appraisal that evidence of the presence of uranium-bearing rock is too intangible to warrant any of the excavating or drilling proposed by the applicant. On the other hand, the presence on the property of the principal uranium host rock of the region, and the evidence from float rock, although the reliability of the evidence cannot be judged, suggests that systematic search might reveal the source of the float. Under the circumstances, I believe that the radioactivity survey proposed by the applicant might be justifiable.

Nevertheless, I concur with the Field Team that the applicant should demonstrate on his own initiative that the source of the float is on his property or that at someplace there is sufficient radioactivity to warrant a systematic study of the property. If either point can be demonstrated, I believe that a systematic radioactivity survey might be authorized within the strict interpretation of Sec. 2 (a), DMEA order No. 1.

Recommendation

I recommend that the application as it stands be denied. I suggest, however, that the applicant be advised that if he can submit more tangible evidence of the presence of uranium in place, a new or ammended application would receive consideration.

Arthur P. Butler, Jr.

Arthur P. Butler, Jr.

Copy to: E. Wm. Ellis (2)

IN REPLY REFER TO:

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

E. Wm. Ellis, DMEA Member
Uranium Commodity Committee
Arthur P. Butler, Jr., USGS Member, Uranium Commodity Committee

April 29, 1953

Application and Field Team Report, DMEA Docket 2986 (Uranium), H. L. Bieber, Edgemont, South Dakota, applicant; Buddy and Fellows group and other contiguous claims, Secs. 3, 4, 9, and 10, T. 7 S., R. 2 E., Fall River County, South Dakota.

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Recommendation

I recommend that the application as it stands be denied. I suggest, however, that the applicant be advised that if he can submit more tangible evidence of the presence of uranium in place, a new or amended application would receive consideration.

Arthur F. Butler, Jr.

Copy to: E. Wm. Ellis (2)

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

E. Wm. Ellis, DMEA Member
Uranium Commodity Committee
Arthur P. Butler, Jr., USGS Member, Uranium Commodity Committee

April 29, 1953

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Recommendation

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Arthur P. Butler, Jr.

Copy to: E. Wm. Ellis (2)

4/28/53 file

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

April 24, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 28 1953

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4640

From: H. D. Keiser, Bureau of Mines Member
Uranium Commodity Committee

Subject: Field team report and application, DMEA Docket 2986,
H. L. Bieber, Edgemont, South Dakota.

I have reviewed the subject report and application and discussed them with Arthur P. Butler, Geological Survey Member, and Joseph O. Hosted, representative of the Atomic Energy Commission.

It is recommended that the field team report be approved, and that the application for an exploration loan be denied.

H. D. Keiser

H. D. Keiser

Attachments

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C. April 24, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 28 1953

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Uranium Commodity Committee, Room 4640

From: H. D. Keiser, Bureau of Mines Member
Uranium Commodity Committee

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H. L. Bieber, Edgemont, South Dakota.

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It is recommended that the field team report be approved, and that the application for an exploration loan be denied.

Signed

H. D. Keiser

Attachments

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

April 20, 1953

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-2986 **H. L. Bieber**

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

38226

April 20, 1953

Mr. H. L. Bieber
Edgemont
South Dakota

Subject: DMEA-2986
Re: Exploration Assistance
Buck Hills District

My dear Mr. Bieber:

The receipt of your application dated January 12, 1953 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-2986 and referred to the Rare and Miscellaneous Metals Division.

Kindly refer to DMEA-2986 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams, Chief
Operations Control and
Statistics Division

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

April 17, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 20 1953

Memorandum

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

From: Executive Officer, Field Team, Region V

Subject: Application and Field Team Report of H. L. Bieber Property, Fall River County, S. Dak.

Here are the original and two copies of the H. L. Bieber application for exploration of radioactive material in Fall River County near Edgemont, S. Dak., together with the original and three copies of the Field Team Report denying the application into a contract on the basis of insufficient evidence a project is warranted at this time.

One copy of each has been retained in this office.

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

Attachment

Reviewed by
DMEA OPERATING COMMITTEE
4-22-53
(date)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 20 1953

9/2/53

UNITED STATES

DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION V

Bieber Group

Fall River County, South Dakota

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

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

April 15, 1953

Reviewed by
DMEA OPERATING COMMITTEE
4-22-53
(date)

DEFENSE MINERALS EXPLORATION ADMINISTRATION
Report of Field Examination

by

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

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

Docket No:

Property: Bieber Group

Applicant: H. L. Bieber,
Edgemont, S. Dak.

Commodity: Uranium

SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

The property included in the application is a deeded group of 18 unpatented lode mining claims located in Sections 4, 9, and 10, T. 7S., R. 2E., B.H.B.M., Fall River County, S. Dak.

The claims are approximately 14 miles northwest of Edgemont and are accessible by fair to poor dirt roads the year round except for periods of bad weather during the winter and spring when they become impassable.

As stated by the applicant no work other than a few small discovery pits has been done on the property and the only indications of mineralization consists of a minor amount of radioactive float material which has been found in some of the canyons.

It is apparent that the applicant has not adequately prospected the area included by the claims and has presented no information as to the location or extent of mineralized areas. All proposed work on the property is entirely dependant on the results of a radiometric survey, which also is applied for in the application.

It is obvious that such a survey should be the first step in exploring the property. However, the field team is of the opinion that this should be done by the applicant, at least to the extent that more information is available as to the location of those areas that may have some indication of mineralization. If adequate anomalies or mineralized exposures are disclosed by a survey or other exploratory work then an application is certainly justified.

At present no logical plan for exploration of any part of the property can be set up, and no estimate of either the amount or

cost of the work can be made by the field team without more information concerning the location of favorable areas so that some idea as to the extent of the proposed exploration can be obtained.

It is concluded that there is insufficient evidence of mineralization to indicate that the proposed exploration will result in a significant discovery and it is recommended that the application be denied.

The application was received late in January but owing to weather conditions the property could not be examined until March 18, 1953. On that date the field team visited the property in company with William Braddock and Arthur Rose of the U. S. Geological Survey stationed at the AEC office in Hot Springs. The area has been generally discussed with members of the AEC staff at the Hot Springs office.

The field team has not discussed the application with the applicant.

NAME, LOCATION, AND DESCRIPTION OF THE PROPERTY

The property known only as the Bieber group and comprises 18 unpatented Lode mining claims; the Five Fellows No. 2, 3, 4, 5 and 6, The Barrel Bottom No. 1, 2, 3, 4, 5, and 6, The Buddy No. 1, 2, 3, 4, 5, and 6 and the Lucky Five.

The claims are contiguous and are in the Black Hills district in Sections 4, 9, and 10, T. 7S., R. 2E., B.H.B.M., Fall River County, S. Dak. Roads to the property from either Edgemont, 14 miles to the southeast, or Minnekahta approximately 10 miles east are only fair but would be accessible practically the year round, however, some sections of the unimproved dirt road to and on the property would be impassable during periods of bad weather.

GEOLOGY

In general the geology of the area is much the same as that of most of the Edgemont district. The Dakota formation, the formation in which several mineralized horizons occur and from which a greater part, if not all of the ore so far produced in the district, has been mined, is present but no outcrop of mineral in places have, as yet, been discovered on the property.

The claim by the applicant that pieces of float containing uranium minerals were found in the canyons is probably true, however, the nearest occurences of uranium mineralization known to the AEC is several miles to the south.

If the claims were prospected even in a rudimentary manner it seems reasonable to assume that some anomalies and possibly mineralized outcrops along the rims might be found. It is suggested that the applicant should make some attempt to locate areas showing indication of mineralization and then submit an application for aid

in exploring the property.

CONCLUSIONS AND RECOMMENDATIONS

The applicant has included in the application a small sum for radiometric surveying. Obviously this survey should be the first step in exploration of the area. However, in the opinion of the field team this should be done by the applicant at least to the extent where, if there are any mineralized areas on the property the location is known and they can be examined.

It is believed that as a matter of good faith the applicant should do the rudimentary prospecting on his claim. If from this only a few anomalies or exposures of mineral are found, then an application for aid in exploration would be justified.

From the evidence of mineralization it is very unlikely that a significant discovery will be made on the property and it is recommended that the application be denied.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Department of the Interior
Defense Minerals Administration
RECEIVED
APR 20 1953

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-2986
Metal or Mineral
Date Received 4-20-53
Estimated Cost
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: H. L. Bieber, Edgemont, South Dakota

(*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. XXXXXXXXXXX

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

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

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 18 claims, deeded to applicant and recorded on pages 584, 585, 586, Miscl. Book 31 by Clerk of Fall River County, South Dakota

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

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

(*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. XXXX

(*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. See attached sheet.

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. See attached sheet.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None.

(*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. See attached sheet.

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

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

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

(*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. See attached sheet.

(*c*) The work will start within 60 days and be completed within 5 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?

[x] Money [x] 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 January 12, 1953

H. L. Bieber
(Applicant)

By H. L. BIEBER

Edgemont, South Dakota

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

MF-103 H. L. Bieber
Edgemont, South Dakota

3. (f) Five Fellows Nos. 2,3,4,5,6, Lucky Five, Barrel Bottom Nos. 1,2,3,4,5,6, Buddy Nos. 1,2,3,4,5,6, recorded respectively on pages 235-244 inclusive in Miscl. Book 31 of Clerk of Fall River County, South Dakota.

4. (a) There is not now or ever has been any mining operations conducted on these claims. Several prospect pits have been dug and some radioactive float ore has been found in the canyons. The claims are accessible for examination, see map.

(b) No past or current production.

(c) The claims cover deep canyons for the most part, with some gently sloping plateau land in northern part. The carnotite now being mined in other claims in this area has occurred in bedded sandstone, and the area covered by the applicant's claims is identical in every respect to the said producing areas. Reference is made to AEC reports on the Edgemont carnotite deposits and to U.S.E.S. folio by Darton covering the Edgemont Quadrangle.

(d) Map attached shows access roads to these claims. The AEC depot for purchasing carnotite is located at Edgemont, approximately 14 miles southeast of claims. Supply and residence points are Edgemont and Hot Springs, S. Dak. Mining equipment can be obtained at Denver, Colorado and Rapid City, South Dakota.

(e) Manpower, materials, supplies and equipment for phases I and II of exploration are available in Edgemont, S. Dak. No electric power available. Springs in canyons are adequate water supply.

5. (b) It is planned to cover these claims by survey with a scintillometer, or equally sensitive instrument, for the purpose of locating radioactive horizons and anomalies and if warranted, to explore such radioactive locations thus discovered by bulldozing, wagon drilling, short tunnels and cross cuts in the sequence given.

(d) A local engineer who has had considerable experience in radioactive surveying will be employed for the above survey and reporting. Experienced local contractors will be employed for the bulldozing and wagon drilling. For tunnel work an experienced local mine foreman will be employed and in charge. The applicant has had no experience in mining operations but is experienced in retail business, however competent mining and geological consultants will be employed as needed.

6. (a) Phase I

5 days Radioactive Survey and Report @ $75.00 a day	$ 375.00
Phase II - As warranted from Survey, by contract up to: 4,000 feet side-hill bulldozing @ $1.75 per foot	7,000.00
and within the plateau area of north claims a pattern of wagon drill holes, by contract up-to: 5,000 feet @ $1,00 per foot	5,000.00
Bulldozing and drilling done concurrently.	
Phase III - As warranted from results of Phase II up to, on force account, 500 feet of exploration short tunnels, crosscuts, raises @ $26.70 per foot	13,350.00
Total	$ 25,725.00

(b) Phase I - 5 days

Instrument man	$50.00 day
Helper	15.00 day
2 horses rented	10.00 day

MF-103 H. L. Bieber
Edgemont, S. Dak.

6. (b) (Continued)
Phase II - 40 shifts
Contract dozing and wagon drilling
Phase III - 50 shifts
1 Mine foreman $15.00 shift
2 Miners $12.00 shift
2 Helpers $11.00 shift
2 Scraper men $11.50 shift
Mining and geological consultants $500.00
Supervision by operator 4 months @ $200.00 month $800.00

(c) Operating materials and supplies:

4 shovels	$ 13.50
2 picks	8.50
4 pipe wrenches	15.56
2 sledge hammers	10.50
2 wheelbarrows	50.00
Gasoline	200.00
Lubricant	45.00
Explosives	1,000.00
Piping	50.00
Lumber	500.00
Lamps	20.00
Carbide	32.00

(d) Equipment to be rented for Phase II - 3 months

2 - 105 cfm Compressors @ $165.00 mo. ea.	$ 990.00
2 - jackhammers with jackleg @ $75.00 mo. ea.	450.00
2 - airhose @ $8.00 mo. ea.	48.00
2 - D.D. small slusher hoists and scraper @ $100 mo.ea.	600.00
Furnished by operator	
1 - auto, use allowance $100.00 mo.	300.00
1 - pickup truck, use allowance $100.00 mo.	300.00

(e) None.

(f) None.

(g) Reaprs and maintenance	500.00
(h) Sampling and assaying	600.00
Accounting	150.00
Workmen's Compensation and Pub. Liab. Ins.	340.00
Payroll Taxes	80.00
Contingencies 10% of $14,500.00	1,450.00

7. (a) Yes.

(b) Money and equipment.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

COPY

~~WASHINGTON 25, D. C.~~

Region V
2908 Colfax Avenue South
Minneapolis 8, Minnesota

April 17, 1953

[DMEA-2986 - Uranium]

Memorandum

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

From: Executive Officer, Field Team, Region V

Subject: Application and Field Team Report of H. L. Bieber Property, Fall River County, S. Dak.

Here are the original and two copies of the H. L. Bieber application for exploration of radioactive material in Fall River County near Edgemont, S. Dak., together with the original and three copies of the Field Team Report denying the application into a contract on the basis of insufficient evidence a project is warranted at this time.

One copy of each has been retained in this office.

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

Attachment

Reviewed by
DMEA Mineral Contracts

(date)

Omia - 2986
Uranium

APR 20 1953

UNITED STATES

DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION V

Bieber Group

Fall River County, South Dakota

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

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

April 15, 1953

Photocopy of
(date)

DEFENSE MINERALS EXPLORATION ADMINISTRATION
Report of Field Examination

by

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

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

Docket No:

Property: Bieber Group

Applicant: H. L. Bieber,
Edgemont, S. Dak.
Commodity: Uranium

SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

The property included in the application is a deeded group of 18 unpatented lode mining claims located in Sections 4, 9, and 10, T. 7S., R. 2E., B.H.B.M., Fall River County, S. Dak.

The claims are approximately 14 miles northwest of Edgemont and are accessible by fair to poor dirt roads the year round except for periods of bad weather during the winter and spring when they become impassable.

As stated by the applicant no work other than a few small discovery pits has been done on the property and the only indications of mineralization consists of a minor amount of radioactive float material which has been found in some of the canyons.

It is apparent that the applicant has not adequately prospected the area included by the claims and has presented no information as to the location or extent of mineralized areas. All proposed work on the property is entirely dependant on the results of a radiometric survey, which also is applied for in the application.

It is obvious that such a survey should be the first step in exploring the property. However, the field team is of the opinion that this should be done by the applicant, at least to the extent that more information is available as to the location of those areas that may have some indication of mineralization. If adequate anomalies or mineralized exposures are disclosed by a survey or other exploratory work then an application is certainly justified.

At present no logical plan for exploration of any part of the property can be set up, and no estimate of either the amount or

cost of the work can be made by the field team without more information concerning the location of favorable areas so that some idea as to the extent of the proposed exploration can be obtained.

It is concluded that there is insufficient evidence of mineralization to indicate that the proposed exploration will result in a significant discovery and it is recommended that the application be denied.

The application was received late in January but owing to weather conditions the property could not be examined until March 18, 1953. On that date the field team visited the property in company with William Braddock and Arthur Rose of the U. S. Geological Survey stationed at the AEC office in Hot Springs. The area has been generally discussed with members of the AEC staff at the Hot Springs office.

The field team has not discussed the application with the applicant.

NAME, LOCATION, AND DESCRIPTION OF THE PROPERTY

The property known only as the Bieber group and comprises 18 unpatented Lode mining claims; the Five Fellows No. 2, 3, 4, 5 and 6, The Barrel Bottom No. 1, 2, 3, 4, 5, and 6, The Buddy No. 1, 2, 3, 4, 5, and 6 and the Lucky Five.

The claims are contiguous and are in the Black Hills district in Sections 4, 9, and 10, T. 7S., R. 2E., B.H.B.M., Fall River County, S. Dak. Roads to the property from either Edgemont, 14 miles to the southeast, or Minnekahta approximately 10 miles east are only fair but would be accessible practically the year round, however, some sections of the unimproved dirt road to and on the property would be impassable during periods of bad weather.

GEOLOGY

In general the geology of the area is much the same as that of most of the Edgemont district. The Dakota formation, the formation in which several mineralized horizons occur and from which a greater part, if not all of the ore so far produced in the district, has been mined, is present but no outcrop of mineral in places have, as yet, been discovered on the property.

The claim by the applicant that pieces of float containing uranium minerals were found in the canyons is probably true, however, the nearest occurences of uranium mineralization known to the AEC is several miles to the south.

If the claims were prospected even in a rudimentary manner it seems reasonable to assume that some anomalies and possibly mineralized outcrops along the rims might be found. It is suggested that the applicant should make some attempt to locate areas showing indication of mineralization and then submit an application for aid

in exploring the property.

CONCLUSIONS AND RECOMMENDATIONS

The applicant has included in the application a small sum for radiometric surveying. Obviously this survey should be the first step in exploration of the area. However, in the opinion of the field team this should be done by the applicant at least to the extent where, if there are any mineralized areas on the property the location is known and they can be examined.

It is believed that as a matter of good faith the applicant should do the rudimentary prospecting on his claim. If from this only a few anomalies or exposures of mineral are found, then an application for aid in exploration would be justified.

From the evidence of mineralization it is very unlikely that a significant discovery will be made on the property and it is recommended that the application be denied.

4/23/53 gfa

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

April 17, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 20 1953

[DMEA-2986 - Uranium]

Memorandum

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

From: Executive Officer, Field Team, Region V

Subject: Application and Field Team Report of H. L. Bieber Property, Fall River County, S. Dak.

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

Attachment

Reviewed by
DMEA Contracting
4-22-5
(date

Dmea - 2986
Uranium

MAR 26 1953

UNITED STATES

DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION V

Bieber Group

Fall River County, South Dakota

R. O. Bingen, Mining Engineer
U. S. Bureau of Mines

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

April 15, 1953

4-22-53
(Date)

DEFENSE MINERALS EXPLORATION ADMINISTRATION
Report of Field Examination

by

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

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

Docket No: 2986

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Applicant: M. L. Bieber,
Edgemont, S. Dak.

Commodity: Uranium

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It is believed that as a matter of good faith the applicant should do the rudimentary prospecting on his claim. If from this only a few anomalies or exposures of mineral are found, then an application for aid in exploration would be justified.

From the evidence of mineralisation it is very unlikely that a significant discovery will be made on the property and it is recommended that the application be denied.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Form Approved,
Budget Bureau No. 42-R1035.1

RECEIVED
APR 20 1953

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-2986
Metal or Mineral
Date Received 4-20-53
Estimated Cost
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: F. L. Stoker, Edgemont, South Dakota

(*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. XXXXXXXXXX

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

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

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 10 claims, deeded to applicant and recorded on pages 505, 506, 507, Bind. Book 91 by Clerk of Fall River County, South Dakota

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

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

(*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. XXXX

(*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. See attached sheet.

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. See attached sheet.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None.

(*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. See attached sheet.

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

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(*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. See attached sheet.

(*c*) The work will start within 60 days and be completed within 5 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.

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(*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 January 12, 1952

H. L. Beiber
(Applicant)

By H. L. Beiber

Belmont, South Dakota

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

MF-103 H. L. Bieber
Edgemont, South Dakota

3. (f) Five Fellows Nos. 2,3,4,5,6, Lucky Five, Barrel Bottom Nos. 1,2,3,4,5,6, Buddy Nos. 1,2,3,4,5,6, recorded respectively on pages 235-244 inclusive in Miscl. Book 31 of Clerk of Fall River County, South Dakota.

4. (a) There is not now or ever has been any mining operations conducted on these claims. Several prospect pits have been dug and some radioactive float ore has been found in the canyons. The claims are accessible for examination, see map.

(b) No past or current production.

(c) The claims cover deep canyons for the most part, with some gently sloping plateau land in northern part. The carnotite now being mined in other claims in this area has occurred in bedded sandstone, and the area covered by the applicant's claims is identical in every respect to the said producing areas. Reference is made to AEC reports on the Edgemont carnotite deposits and to U.S.G.S. folio by Darton covering the Edgemont Quadrangle.

(d) Map attached shows access roads to these claims. The AEC depot for purchasing carnotite is located at Edgemont, approximately 14 miles southeast of claims. Supply and residence points are Edgemont and Hot Springs, S. Dak. Mining equipment can be obtained at Denver, Colorado and Rapid City, South Dakota.

(e) Manpower, materials, supplies and equipment for phases I and II of exploration are available in Edgemont, S. Dak. No electric power available. Springs in canyons are adequate water supply.

5. (b) It is planned to cover these claims by survey with a scintillometer, or equally sensitive instrument, for the purpose of locating radioactive horizons and anomalies and if warranted, to explore such radioactive locations thus discovered by bulldozing, wagon drilling, short tunnels and cross cuts in the sequence given.

(d) A local engineer who has had considerable experience in radioactive surveying will be employed for the above survey and reporting. Experienced local contractors will be employed for the bulldozing and wagon drilling. For tunnel work an experienced local mine foreman will be employed and in charge. The applicant has had no experience in mining operations but is experienced in retail business, however competent mining and geological consultants will be employed as needed.

6. (a) Phase I

5 days Radioactive Survey and Report @ $75.00 a day	$ 375.00
Phase II - As warranted from Survey, by contract up to: 4,000 feet side-hill bulldozing @ $1.75 per foot	7,000.00
and within the plateau area of north claims a pattern of wagon drill holes, by contract up-to: 5,000 feet @ $1.00 per foot	5,000.00
Bulldozing and drilling done concurrently.	
Phase III - As warranted from results of Phase II up to, on force account, 500 feet of exploration short tunnels, crosscuts, raises @ $26.70 per feet	13,350.00
Total	$ 25,725.00

(b) Phase I - 5 days

Instrument man	$50.00 day
Helper	15.00 day
2 horses rented	10.00 day

MF-103 H. L. Bieber
Edgemont, S. Dak.

6. (b) (Continued)
Phase II - 40 shifts
Contract dozing and wagon drilling
Phase III - 50 shifts
1 Mine foreman $15.00 shift
2 Miners $12.00 shift
2 Helpers $11.00 shift
2 Scraper men $11.50 shift
Mining and geological consultants $500.00
Supervision by operator 4 months @ $200.00 month $800.00

(c) Operating materials and supplies:

4 shovels	$ 13.50
2 picks	8.50
4 pipe wrenches	15.56
2 sledge hammers	10.50
2 wheelbarrows	50.00
Gasoline	200.00
Lubricant	45.00
Explosives	1,000.00
Piping	50.00
Lumber	500.00
Lamps	20.00
Carbide	32.00

(d) Equipment to be rented for Phase II - 3 months

2 - 105 cfm Compressors @ $165.00 mo. ea.	$ 990.00
2 - jackhammers with jackleg @ $75.00 mo. ea.	450.00
2 - airhose @ $8.00 mo. ea.	48.00
2 - D.D. small slusher hoists and scraper @ $100 mo.ea.	600.00
Furnished by operator	
1 - auto. use allowance $100.00 mo.	300.00
1 - pickup truck, use allowance $100.00 mo.	300.00

(e) None.

(f) None.

(g) Repairs and maintenance 500.00

(h)

Sampling and assaying	600.00
Accounting	150.00
Workmen's Compensation and Pub. Liab. Ins.	340.00
Payroll Taxes	90.00
Contingencies 10% of $14,500.00	1,450.00

7. (a) Yes.

(b) Money and equipment.

OFFICIAL BUSINESS
2908 Colfax Ave. N.
Minneapolis, Minn.

MINNEAPOLIS MINN. APR 17 8 PM 1953

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

FIRST CLASS MAIL

1 copy of map enclosed

4-20-53

RMEA-2986

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BURDOCK QUADRANGLE
SOUTH DAKOTA
7.5 MINUTE SERIES (TOPOGRAPHIC)

Mapped, edited, and published by the Geological Survey as part of the Department of the Interior program for the development of the Missouri River Basin

Control by USGS and USC&GS

Topography from aerial photographs by multiplex methods
Aerial photographs taken 1949. Field check 1950

Polyconic projection. 1927 North American datum
10,000-foot grid based on South Dakota coordinate system, south zone

TRUE NORTH
MAGNETIC NORTH
14½°
APPROXIMATE MEAN DECLINATION, 1950

SCALE 1:24000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

ROAD CLASSIFICATION

Heavy-duty — 4 LANE | 6 LANE — Light-duty
Medium-duty — 4 LANE | 6 LANE — Unimproved dirt
U. S. Route — State Route

BURDOCK, S. DAK.
N4322.5—W10352.5/7.5

1950

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, FEDERAL CENTER, DENVER, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

UMEA-2986

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BURDOCK QUADRANGLE
SOUTH DAKOTA
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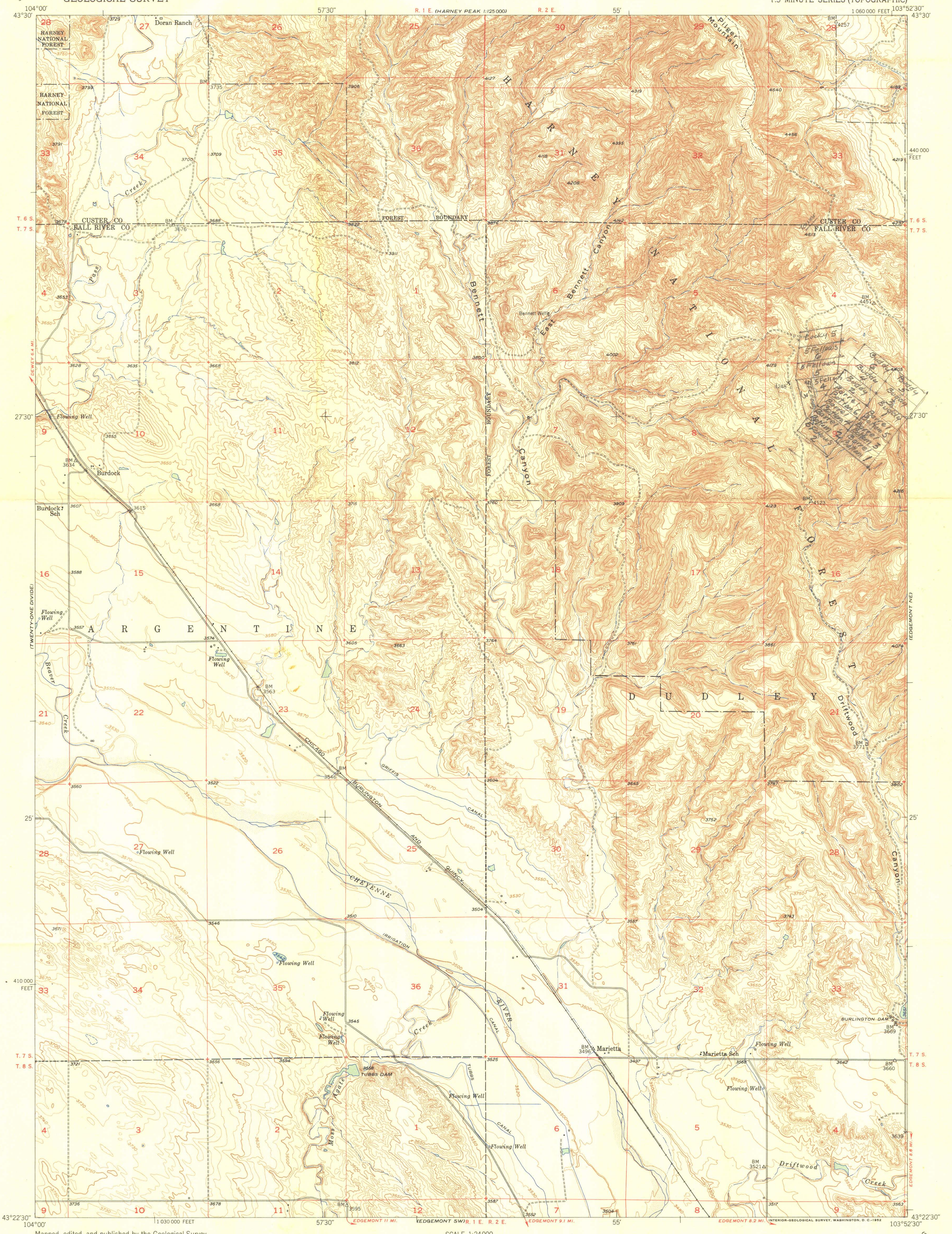

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