DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1408x

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Routing Slip

To:	Adm. Mary Elin	Date	9-12-51
To:	Reports and Records SEP 13 1951	Date	SEP 13 1951
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NT.-DUP. SEC., WASH., D.C. 98868

FILE COPY
SURNAME:

Gordon
Bourret
Hosted
Keiser

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

SEP 13 1951

G.E.C.

Memorandum

To: Administrative Management Division

Through: Director, Supply Division

From: Minor and Rare Metals Branch

Subject: Sunbeam Claims Mines
Uranium - DMA docket 180 X

Under date of May 29, 1951, Mr. Dale French, Nephi, Utah submitted the subject application for an exploration project in the amount of [illegible],000.

Attached hereto find letter of even date addressed to applicant denying the application because of lack of geologic evidence of the probability of making a significant discovery. Reviewers for the DMA and USGS concur in this opinion.

We hereunder return the complete docket, consisting as follows:

(a) Three copies of application; two copies of Field Team Referral.

(b) Mr. Lyon's letter of June 15, 1951; Mr. J. H. Hast's letter of June 18, 1951.

(c) One copy of Mr. J. H. Hast's letter of August 31 attaching one copy of Field Team's Report.

Yours very truly,

Weston Bourret

Weston Bourret, Chief
Minor and Rare Metals Branch

EGordon/ch 9-7-51
cc: Adm. Reading File
Lyon
Bourret
Keiser-Hosted, USGS
Field Team - IV
DMA docket file

Approved:

Tom Lyon

Director, Supply Division

9/13

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

SEP 13 1951

A. E. C.

Memorandum

To: Administrative Management Division

Through: Director, Supply Division

From: Minor and Rare Metals Branch

Subject: Sunbeam Claims Mines
Uranium - DMA docket 1408X

Under date of May 28, 1951, Mr. Yale Brough, Nephi, Utah submitted the subject application for an exploration project in the amount of $5,000.

Attached hereto find letter of even date addressed to applicant denying the application because of lack of geologic evidence of the probability of making a significant discovery. Reviewers for the DMA and USGS concur in this opinion.

We herewith return the complete docket, comprised as follows:

(a) Three copies of application; two copies of Field Team Referral.

(b) Mr. Lyon's letter of June 15, 1951; Mr. J. H. East's letter of June 18, 1951.

(c) One copy of Mr. J. H. East's letter of August 31 attaching one copy of Field Team's Report.

Yours very truly,

Weston Bourret

Weston Bourret, Chief
Minor and Rare Metals Branch

Approved:

Tom Lyon

Director, Supply Division

FILE COPY
SURNAME:

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

Gordon
Bourret
Keiser
Hosted

SEP 13 1951

G. E. C.

Mr. Yale Brough
Sunbeam Claims
Nephi, Utah

Re: Sunbeam Claims Mines
Uranium - DMA-1408X

Dear Mr. Brough:

Your application dated May 28, 1951, DMA docket 1408X for an exploration project in the amount of $5,000.00 has been carefully reviewed by the Minor and Rare Metals Branch of the Supply Division.

We regret to advise that your application must be denied at this time, basing this decision upon insufficient evidence of the geologic probability of making a significant discovery.

Should evidence obtained in the future be of such nature as to alter this opinion, we would gladly consider a new application.

Yours very truly,

Tom Lyon

J f 9/13

Tom Lyon, Director
Supply Division

EGordon/ch 9-6-51
cc: Adm. Reading File
Lyon
Bourret
Keiser - Hosted, USGS
Field Team - IV
DMA docket file

REGIONAL DIRECTOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

August 31, 1951

Air Mail

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: DMA Docket 14,088, Yale Brough, Nephi, Utah

Enclosed herewith is original and two copies of the report as indicated above.

We concur with the conclusions and recommendations of the examining team.

J. H. East, Jr.

A. H. Koschmann

REGIONAL DIRECTOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

August 31, 1951

Air Mail

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: DMA Docket 1408X, Yale Brough, Nephi, Utah

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We concur with the conclusions and recommendations of the examining team.

J. H. East, Jr.

J. H. East, Jr.

A. H. Koschmann

A. H. Koschmann

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Administration
200 New Customhouse
Denver 2, Colorado

August 22, 1951

Memorandum

To: DMA Field Team, Region IV

From: A. H. Koschmann

Subject: DMA Docket 1408X, Yale Brough, Nephi, Utah

Enclosed are 8 copies of the geologic report by J. W. Hasler and D. C. Arnold of the U. S. Geological Survey covering the above docket.

A. H. Koschmann
A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (9)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Room 307, 320 South Main
Salt Lake City 1, Utah
13 August 1951

Memorandum

To: A. H. Koschmann, Field Team, Region IV

From: Ralph J. Roberts

Subject: Docket DMA 1408X, Yale Brough, Nephi, Utah

Enclosed are 8 copies of a report on the Yale Brough Uranium property, Nephi, Utah.

In respon se to a request, dated June 18, 1951, from the Field Team, Region IV, a field examination of the property was made July 6-7, 1951.

The Uranium mineralization occurs as coatings and veinlets of uraniferous opal in reddish brown to black chalcedony float in a tuff bed. As only a few tons of uraniferous opal that would probably not assay more than .01 percent U_3O_8 is available, it is recommended that the exploration loan be denied.

I concur with the opinion of the examining geologists that the request for an exploration loan be denied.

/s/ Ralph J. Roberts

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Room 307, 320 South Main
Salt Lake City 1, Utah
13 August 1951

Memorandum

To: A. H. Koschmann, Field Team, Region IV

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I concur with the opinion of the examining geologists that the request for an exploration loan be denied.

/s/ Ralph J. Roberts

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Defense Minerals Administration
200 New Customhouse
Denver 2, Colorado

August 22, 1951

Memorandum

To: DMA Field Team, Region IV

From: A. H. Koschmann

Subject: DMA Docket 1408X, Yale Brough, Nephi, Utah

Enclosed are 8 copies of the geologic report by J. W. Hasler and D. C. Arnold of the U. S. Geological Survey covering the above docket.

A. H. Koschmann

A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (9)

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

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

Docket DMA-1408X, Yale Brough, Nephi, Utah

J. W. Hasler and D. C. Arnold, Geologists
U. S. Geological Survey

August 10, 1951

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ILLUSTRATIONS

Figure 1. Index map of Utah.

Docket DMA-1408X, Yale Brough, Nephi, Utah

SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

Yale Brough has applied to the Defense Minerals Administration for a loan of $5,000 to be used to explore showings of uranium on the Sunbeam Claims, Eureka Mining district, Utah.

The Sunbeam Claims are in the low hills 14 miles northwest of Nephi, Utah which consist of Tertiary volcanic tuffs, flow breccias, and andesite. The mineralization occurs as coatings and veinlets of uraniferous opal in reddish-brown to black chalcedony found in a tuff bed. No uranium minerals were recognized. The chert zone had a general northerly strike, but no bedrock was found, and the trenches and cuts were only in overburden.

The Geiger count is due entirely to the uraniferous opal. No ore reserves could be calculated from the workings. The overall grade of the uraniferous opal would probably not exceed .01 percent U_3O_8. As only ore containing at least .10 percent U_3O_8 can now be marketed, the material is not of commercial grade. Furthermore, it is doubtful whether uranium can be recovered at a reasonable cost from this uraniferous opal, no such ores are treated in Colorado or Utah at the present time. It is therefore recommended that the loan be denied.

Docket DMA-1428X, Yale Brough, Nephi, Utah

INTRODUCTION

Docket DMA-1428X is an application for an exploration loan of $5,000 to be used to (1) explore and (2) remove stockpiles of uranium ore on the Sunbeam Claims. The owners of the property did not outline a definite exploration program.

The examination was made by J. W. Hadley and G. C. Arnold of the U. S. Geological Survey July 6-7, 1951; they were accompanied on the examination by Mr. Arnie Brough and Mr. James Bean, two of the property owners. The property has been developed by four small test trenches, the largest of which is 20 feet long and 6 feet deep.

The property is 14 miles northwest of Nephi, Utah in Secs. 28 and 33, T. 12 S., R. 2 W. (fig. 1). It is on the west side of Dog Valley, in the Eureka mining district, Juab County, Utah. The property may be reached by traveling westward from Nephi 9 miles on Utah State Highway 132, then northwestward 6 miles through Dog Valley on a secondary dirt road.

The property consists of 8 unpatented mining claims that were located in the spring of 1950. Assessment work was done during the winter of 1950-51. The property is owned by Yale Brough, Arnie Brough, Hunt Bean, James Bean, and George Fairbanks, all of Nephi, Utah.

GEOLOGY

The Property is in an area of low rolling hills between the Tintic mining district to the north and the Canyon Range to the southwest. Although these adjacent areas have been extensively studied, no geologic mapping has been done in the vicinity of the Sunbeam Claims.

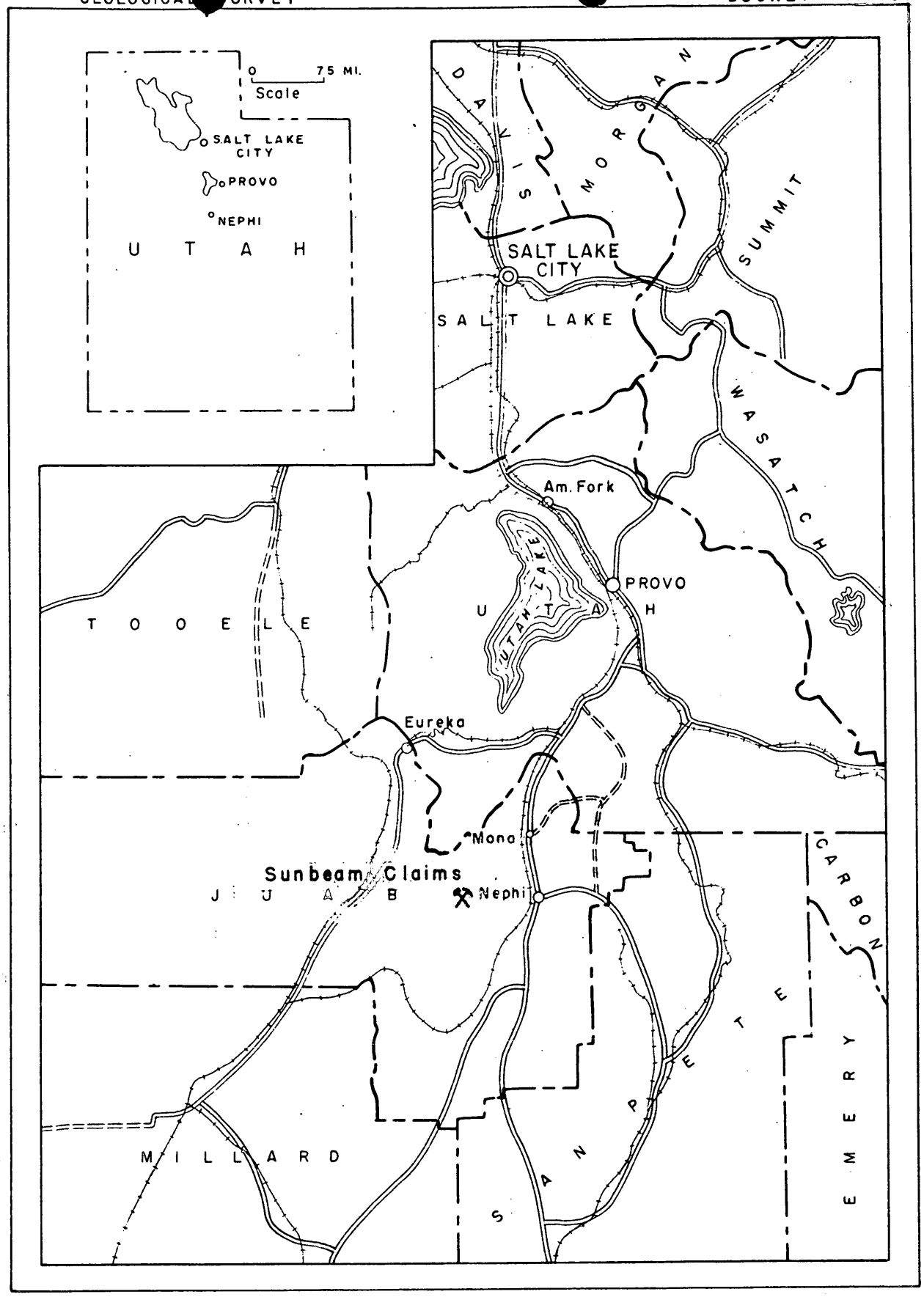

FIG. 1 INDEX MAP OF UTAH

0 5 10 15 20 MILES
Scale

The rocks in the vicinity of the deposit consist of Tertiary volcanic tuffs, flow breccias, flow conglomerates, and andesite. Petrified wood was noted as float on top of the tuff bed, but the source of the petrified wood could not be found. The petrified wood was checked with a geiger counter and found to contain no radioactive elements.

Ore deposits

The mineralization occurs as coatings and veinlets of uraniferous opal in reddish-brown to black chalcedony found in the tuff bed. Three of the four exploration trenches have been excavated on what is obviously chert float on the tuff bed. Test pit No. 4 is in a body of chert as much as 15 inches wide and about 4 feet in length. This chert body strikes N. 65° W. and dips 65° SW. The chert was not continuous along the strike of the pit, but the layer consists of blocks and nodules surrounded by tuff. The downward extension of this small zone gave some indication that the chert may be in place rather than just float as were in the other trenches; however, it is quite possible that this is a slightly larger block of chert that could pinch out in a few feet.

No uranium minerals were recognized. The Geiger count is due entirely to uraniferous opal. The test pits were checked with a Nuclear Geiger counter, but no place could be found in the workings where the count was more than double the normal background count. The highest count recorded was .03 to .04 mr/hr.

The chalcedony from test pit No. 4 was checked with the counter and found to have about the same radioactivity as that in the trenches. One large piece of chert containing approximately 30 percent of uraniferous opal gave a count of .15 mr/hr. Mr. Bean, one of the property owners, stated that this

was the same kind of rock that was assayed by the A.E.C. in Grand Junction, Colorado, and reported to contain .11 U_3O_8. This is considerably higher than the count would indicate, and it is inferred that the sample submitted was higher in U_3O_8 than the material we examined.

Ore reserves

No ore reserves could be calculated from the workings, because the uraniferous material appears as float in the form of chalcedony nodules and blocks. The overall grade of the uraniferous opal would probably not exceed .01 percent U_3O_8. Material of this grade cannot be beneficiated under present metallurgical practices.

CONCLUSIONS AND RECOMMENDATIONS

At the time of the examination of the property had been developed only by four shallow trenches. These trenches were examined last winter by the applicants in an attempt to find the source of the uraniferous material. Only one of the four trenches appears to contain uraniferous chalcedony that is in place, and even this is doubtful.

Inasmuch as the uraniferous material discovered thus far consists of opal and chalcedony estimated to contain only .01 percent U_3O_8, it is recommended that the application for an exploratory loan be denied. As only ores containing at least .10 percent U_3O_8 can be sold at present, the material is not of commercial grade. Furthermore, it is doubtful that uranium can be recovered at reasonable cost from uraniferous opal. No such ores are being treated in Colorado and Utah at the present time.

Even if further exploratory work were done, it is unlikely that more than a few hundred pounds of uraniferous material would be available within the area explored.

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

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

Docket DMA-1408X, Yale Brough, Nephi, Utah

J. W. Hasler and D. C. Arnold, Geologists
U. S. Geological Survey

August 10, 1951

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ILLUSTRATIONS

Figure 1. Index map of Utah.

Docket DMA-1408X, Yale Brough, Nephi, Utah

SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

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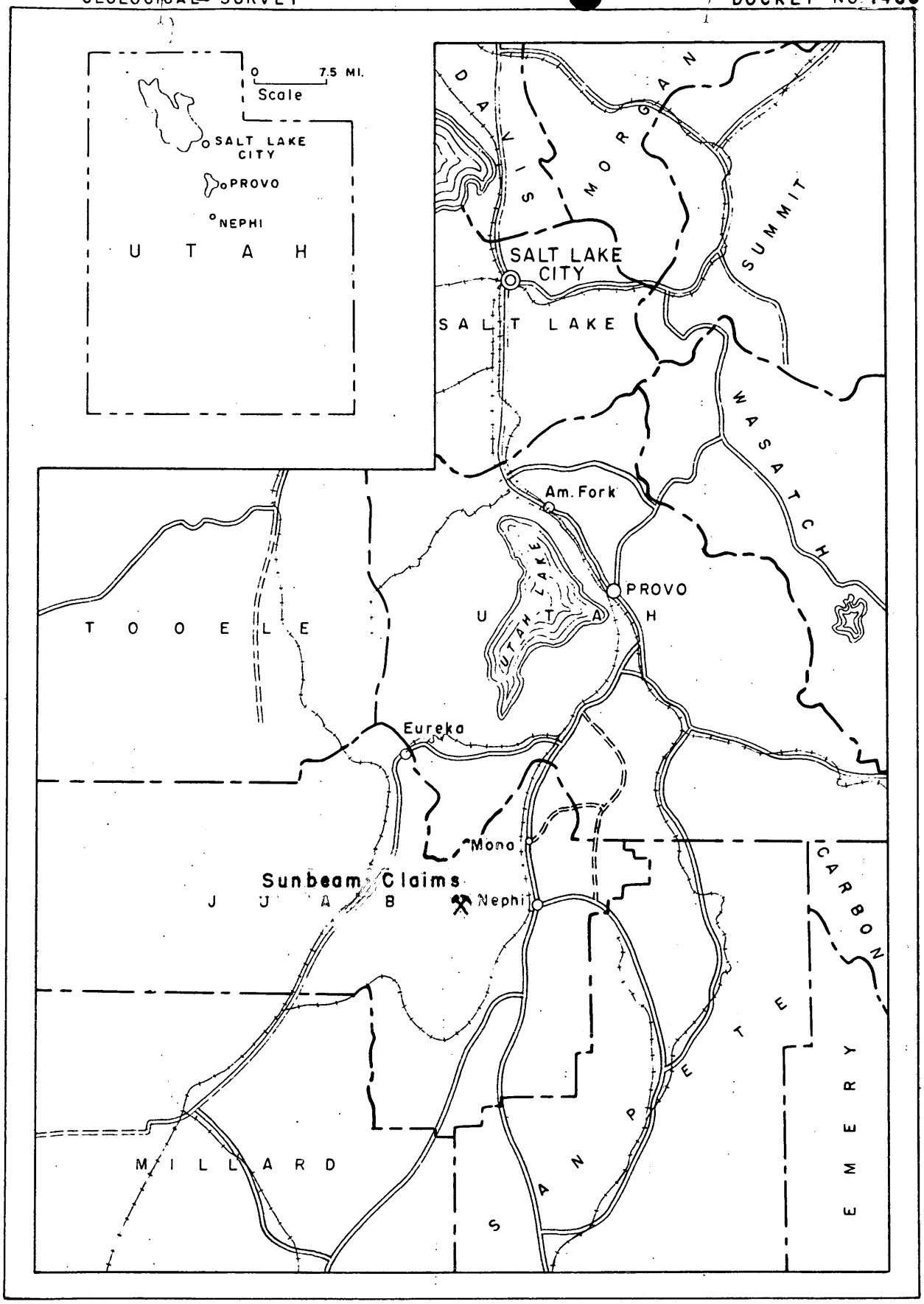

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Inasmuch as the uraniferous material discovered thus far consists of opal and chalcedony estimated to contain only .01 percent U_3O_8, it is recommended that the application for an exploratory loan be denied. As only ores containing at least .10 percent U_3O_8 can be sold at present, the material is not of commercial grade. Furthermore, it is doubtful that uranium can be recovered at reasonable cost from uraniferous opal. No such ores are being treated in Colorado and Utah at the present time.

Even if further exploratory work were done, it is unlikely that more than a few hundred pounds of uraniferous material would be available within the area explored.

224 New Customhouse
Denver, Colorado

June 18, 1951

Memorandum

To: S. R. Wilson

(Through Chief, Mining Division)

Ralph Roberts (with brochure)

From: DMA Field Team, Region IV

Subject: DMA Docket 14081, Yale Brough, Nephi, Utah

We are enclosing the brochure, MF-103, and a new outline form, a copy of which was sent to you with a memorandum from the Coordinating Committee dated June 8.

You will note that the answer to Question 17 states, "If geologic probabilities are favorable, have applicant supply rest of data essential for contract." If your examination shows this deposit to warrant it, have your geologist secure the necessary information for Exhibits A, B, C, D, and E.

No field work will be required by the Bureau of Mines.

J. H. East, Jr.

A. H. Koschmann

Attachments
Review form
Form MF-103
cc-Koschmann
Wilson
Allman
dmm files
ehron

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

Mr. J. H. East, Jr.
Exec. Officer, field team
Region IV
224 New Customhouse
Denver, Colo.

JUN 15 1951

REGIONAL DIRECTOR
RECEIVED
JUN 18 1951
BUREAU OF MINES
DENVER, COLORADO

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Docket No. DMA - 1408x

Commodity Uranium

Applicant Yale Brough, Nephi, Utah

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

Very truly yours,

Tom Lyon

Tom Lyon, Chairman
Coordinating Committee

JHE

Lowell

For Bureau of Mines

Olaf T. Rorr

For Geological Survey

FILE COPY
SURNAME:

Bourret
Ron
Moon

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

Receipt
Ack.
mailed

JAN 15 1951

Mr. Yale Brough
Sunbeam Claims
Nephi, Utah

Dear Mr. Brough:

Your application, Docket DMA-1408x, for exploration project in the amount of $5,000.00 has been received by the Minor and Rare Metals Branch of the Supply Division.

Before a decision can be reached on your request we find it is necessary to obtain additional information on your property. Your application therefore is being referred to the office of the Executive Officer of DMA field team IV, Mr. J. H. East Jr., 224 New Customhouse Building, Denver 2, Colorado, with the request that the needed information be supplied to us.

Yours very truly,

Tom Lyon, Director
Supply Division

WBourret/mh
cc: Adm. Reading File
Strobel
Lyon
Bourret
Field Team IV
Files

FILE COPY
SURNAME:

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

June 11, 1951

Mr. Yale Brough
Nephi, Utah

Subject: DMA-1408X
Re: Exploration Loan
Sunbeam Claims Mine

Dear Mr. Brough:

Receipt is acknowledged of your application and attachments of May 28, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1408X and referred to Mr. Weston Bourret, Chief, Minor and Rare Metals Branch, on June 4, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1408X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:hb

Copy to: Mr. Strobel
Mr. Lyon
Mr. Bourret
Files

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. dma/1408X

Date received 5-31-51

Participation

Sunbeam Claims
[illegible]
Nephi, Utah

Name and address of applicant

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28, 1951

Estimated cost $5,000.00

Mineral or metal Uranium

Percentage of Government participation 90 %

Location of mine Sections 28 & 33, Township 12 South, Range 2 West, Salt Lake Meridian.

Date of filing MF-100 Not Filed.

DMA Docket Number, if available dma/1408X

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

For answers see attached sheet.

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

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

*11. State the present and former names of the property, if any.
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.
15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

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

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.
22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

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

Sunbeam Claims
(Name of company)

By Yale Brough
(Signature of authorized official)

May 28, 1951
(Date)

Partner
(Title)

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

*Same as footnote on page 1.

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

ANSWERS TO QUESTIONS ON FORM MF-103

1. Partnership.
2. Yale Brough, George Fairbanks, Mont Bean, James Bean, Arnie Brough. All of Nephi, Utah
3. Have been prospecting for 20 years and have done some hand mining.
5. Owners.
6. None.
7. ----
8. The five of us are just starting out after having found the uranium deposits, filed our claims and done our assessment work. We have about one hundred dollars working capital and that is our reason for applying for Government Aid to help test these deposits. We will put in $500.00 of more in labor to help test these deposits.
9. Up to a $1,000.00 if same can be furnished in the form of labor. More than enough.

10. Deposits are located in or near the Eureka Mining District. The land in question is public domain and is used for cattle range. There are no mines nearby. We have eight mining claims filed in Sections 28 & 33, Township 12 South, Range 2 West, Salt Lake Meridian. We have had a detecter and have traced the Uranium deposits through most of these claims. We get very good counts on grass root deposts at verious places throughout the claims.
11. Sunbeam Claims. Had no previous name.
12. 15 Miles West of Nephi, Utah. Same distance to Railroad. Five miles of road from claims is dirt while the other ten miles is hard surfaced.
13. 1½ inch pipeline nearby. As yet we do not know as to what power will be used. About three or four miles to power line.
14. None.
15. Shipped by truck to Salt Lake City for milling. 104 miles.
16. There is no history for we have just discovered deposits within the last year.
17. No production.
18. Has not been operating.
19. ---
20. Uranium.
21. Would like to run diamond drill tests on the deposits and then if returns are satisfactory to use bulldozer to remove overburden so that we can get at the ore. 2 year time limit.
22. Deposits are in a direct line with the Uranium deposits in Marysvale, Utah. According to indications there should be a good sized deposit of Uranium Ore at this location. There are petrified trees here in a sand formation. We have taken two samples from the surface at different points and had them assayed. One tests .07 % while the other tests .11 % . Assay report is attached to this application. Samples were taken to Laboratory by one of the partnership Nephews. That is the reason for another name on Assay report.
23. $5,000.00 to be spent in diamond drill tests and to remove overburden from ore.
24. Project to be completed just as fast as we can get equipment on job and explorations completed.

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Form MF-[illegible]
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. dma 1408 X

Date received 5-31-51

Participation

Sunbeam Claims
% Yale Brough
Nephi, Utah

Name and address of applicant

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28, 1951

Estimated cost $5,000.00

Mineral or metal Uranium

Percentage of Government participation 90 %

Location of mine Sections 28 & 33, Township 12 South, Range 2 West, Salt Lake Meridian.

Date of filing MF-100 Not Filed.

DMA Docket Number, if available dma 1408 X

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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16—64067-1

For answers see attached sheet.

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

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

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	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
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21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.
    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

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

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
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    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
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24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

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

Sunbeam Claims
(Name of company)

By Yale Brough
(Signature of authorized official)

May 28, 1951
(Date)

Partner
(Title)

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

*Same as footnote on page 1.

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

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. dma 1408 X

Date received 5-31-51

Participation

Sunbeam Claims
% Yale Brough
Nephi, Utah

Name and address of applicant

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28, 1951

Estimated cost 25,000.00

Mineral or metal Uranium

Percentage of Government participation 90 %

Location of mine Sections 28 & 33, Township 12 South, Range 2 West, Salt Lake Meridian.

Date of filing MF-100 Not Filed.

DMA Docket Number, if available dma 1408 X

INSTRUCTIONS

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

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16—64067-1

For answers see attached sheet.

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

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(Name of company)

By Gale Brough
(Signature of authorized official)

May 28, 1951
(Date)

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

ANSWERS TO QUESTIONS ON FORM MF-103

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Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. dma/1408X

Date received 5-31-51

Participation

Sunbeam Claims
5 Yale Drough
Nephi, Utah

Name and address of applicant

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28, 1951

Estimated cost $5,000.00

Mineral or metal Uranium

Percentage of Government participation 90 %

Location of mine Sections 28 & 33, Township 12 South, Range 2 West, Salt Lake Meridian.

Date of filing MF-100 Not filed.

DMA Docket Number, if available dma/1408X

INSTRUCTIONS

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16—64067-1

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

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.
22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

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

Sunbeam Claims
(Name of company)

By Yale Brough
(Signature of authorized official)

May 28, 1951
(Date)

Partner
(Title)

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

*Same as footnote on page 1.

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

ANSWERS TO QUESTIONS ON FORM MF-103

1. Partnership.
2. Yalo Brough, George Fairbanks, Mont Bean, James Bean, Arnie Brough. All of Nephi, Utah
4. Have been prospecting for 20 years and have done some hand mining.
5. Owners.
6. None.
7. ----
8. The five of us are just starting out after having found the uranium deposits, filed our claims and done our assessment work. We have about one hundred dollars working capital and that is our reason for applying for Government Aid to help test these deposits. We will put in $800.00 of more in labor to help test these deposits.
9. Up to a $1,000.00 if same can be furnished in the form of labor. More than enough.

10. Deposits are located in or near the Burgin Mining District. The land in question is public domain and is used for cattle range. There are no mines nearby. We have eight mining claims filed in Sections 28 & 33, Township 12 South, Range 2 West, Salt Lake Meridian. We have had a detector and have traced the Uranium deposits through most of these claims. We get very good counts on grass root deposits at various places throughout the claims.
11. Sunbeam Claims. Had no previous name.
12. 16 Miles West of Nephi, Utah. Same distance to Railroad. Five miles of road from claims is dirt while the other ten miles is hard surfaced.
13. 1½ inch pipeline nearby. As yet we do not know as to what power will be used. About three or four miles to power line.
14. None.
15. Shipped by truck to Salt Lake City for milling. 104 miles.
16. There is no history for we have just discovered deposits within the last year.
17. No production.
18. Has not been operating.
19. ---
20. Uranium.
21. Would like to run diamond drill tests on the deposits and then if returns are satisfactory to use bulldozer to remove overburden so that we can get at the ore. 2 year time limit.
22. Deposits are in a direct line with the Uranium deposits in Marysvale, Utah. According to indications there should be a good sized deposit of Uranium Ore at this location. There are petrified trees here in a sand formation. We have taken two samples from the surface at different points and had them assayed. One tests .07 % while the other tests .11 % . Assay report is attached to this application. Samples were taken to Laboratory by one of the partnership Nephews. That is the reason for another name on assay report.
23. $8,000.00 to be spent in diamond drill tests and to remove overburden from ore.
24. Project to be completed just as fast as we can get equipment on job and explorations completed.

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

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Docket No. DMA-1408x

Commodity Uranium

Applicant Yale Brough, Nephi, Utah

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

Very truly yours,

Tom Lyon, Chairman
Coordinating Committee

For Bureau of Mines

For Geological Survey

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA 1408x

Commodity Uranium

Total Amount 5,000.00

Govt. Participation 90%

1. Name and Address of Applicant

Yale Brough, Nephi, Utah

2. Location of Property Eureka Mining District, Utah

Secs. 28,33, T.12S.,R.2.W.,S.L.M.

3. Mineral or metal Uranium Is it listed in Section 9 of MO-5? yes

If not, application will be rejected.

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

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

a) Good

b) Poor

c) None

d) Don't know—needs field examination

e) Is there an alternative and favorable project? Report of field team is required
(If so, attach an explanation)

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

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

Does the lease have sufficient time to run to cover a future

productive period?

*question numbers are those of MF-103

7. Are subordination agreements necessary?_____

a) MF-201?_____

b) MF-202_____

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

a) Available manpower_____

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

c) Accessibility (question 12)*_____

d) Water (question 13)*_____

e) Power (question 13)*_____

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

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

_____

Is a field check needed on this point?_____

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

a) Is the project adequately described?_____

If not, are there sufficient data given so that you can describe the project?_____ If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work?_____

_____

c) Is the proposed work "exploration" under the definition of Section 8, MO-5?_____

If not, what part of it is?_____

_____

_____

_____

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed?_____

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data?_____ If so, attach a draft.

e) Are the cost estimates reasonable?_____

f) Should more information be requested from applicant?_____

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

11. Exhibit B (question 23-d)*

a) Is it applicable?_____

b) If so, are sufficient data furnished?_____ If so, attach a draft.

c) Is a field check needed?_____

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

a) Is it applicable?_____

b) Sufficient data?_____ If so, attach a draft.

c) Are rents and charges reasonable?_____

d) Is a field check needed?_____ _____

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

a) Are there sufficient data?_____

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

c) Is the schedule excessive for the work proposed?_____

d) Are the proposed wages and salaries reasonable?_____

e) Is a field check needed?_____

14. Exhibit E (question 23-c)*

a) Is it applicable?_____

b) Sufficient data?_____

c) Reasonable?_____

d) Field check needed?_____

15. In your judgment, can the proposed work be done in the proposed time?_____

(All exploration must be completed within two years)

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

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question?_____

Reviewed by: H.D.Keiser

Geological Survey

Date June 11, 1951

97692

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA 1408 X

Commodity Uranium

Total Amount 5,000.00

Govt. Participation 90%

1. Name and Address of Applicant

Yale Brough, Nephi, Utah

2. Location of Property Eureka Mining District, Utah

Secs. 28, 33, T.12 S., R.2 W., S.L.M.

3. Mineral or metal Uranium Is it listed in Section 9 of MO-5? Yes

If not, application will be rejected.

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

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

a) Good

b) Poor

c) None

d) Don't know --- needs field examination

e) Is there an alternative and favorable project? Report of field team is required.
(If so, attach an explanation)

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

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

Does the lease have sufficient time to run to cover a future productive period?

*Question numbers are those of MF-103

7. Are subordination agreements necessary? _____

a) MF-201? _____

b) MF-202 _____

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

a) Available manpower _____

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

c) Accessibility (question 12) _____

d) Water (question 13) _____

e) Power (question 13) _____

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

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

_____

Is a field check needed on this point? _____

10. Exhibit A. (questions 21 and 22)

a) Is the project adequately described? _____

If not, are there sufficient data given so that you can describe the project? _____ If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? _____

_____

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? _____

If not, what part of it is? _____

_____

_____

_____

Is this part a worthwhile exploration project? _____

d) Are the cost estimates detailed? _____

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? _____ If so, attach a draft.

e) Are the cost estimates reasonable? _____

f) Should more information be requested from applicant? _____

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

11. Exhibit B (question 23-d)

a) Is it applicable? _____

b) If so, are sufficient data furnished? _____ If so, attach a draft.

c) Is a field check needed? _____

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

a) Is it applicable? _____

b) Sufficient data? _____ If so, attach a draft.

c) Are rents and charges reasonable? _____

d) Is a field check needed? _____

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

a) Are there sufficient data? _____

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

c) Is the schedule excessive for the work proposed? _____

d) Are the proposed wages and salaries reasonable? _____

e) Is a field check needed? _____

14. Exhibit E (question 23-c).

a) Is it applicable? _____

b) Sufficient data? _____

c) Reasonable? _____

d) Field check needed? _____

15. In your judgment, can the proposed work be done in the proposed time? _____

(All exploration must be completed within two years.)

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

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing questions? If geologic probabilities are favorable have applicant supply testing data essential for contract.

Reviewed by: H D Keser
Geological Survey

Date June 11 1951

Smith's Laboratory

URANIUM SPECIALIST

MOAB, UTAH

Earl Worthington
Moab
Ut.

July 29, 1950

Sample Description	% U_3O_8	% V_2O_5	% $CaCO_3$	% Cu	% Pb	% S	% Fe			Charge
#1 yellow	0.07	Trace								3.00
#2 black	0.11	Trace	Man. is cause of Black Co							3.00

TOTAL $ 6.00

Paid by Earl Worthington

Earl Smith Paid
CHEMIST