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

22h New Customhouse
Denver 2, Colorado

November 27, 1951

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: Final Report, DMA Docket 1405-A, P. J. Farnsworth, applicant; Housel Gulch Placer Uranium Prospect, Moffat County, Colorado

Enclosed herewith are the original and two copies of the report on the subject docket.

We concur with the conclusions and recommendations of the examining team that the exploration loan of $75,000 be denied.

The brochure is enclosed.

J. H. EAST, JR.

J. H. East, Jr.

R. H. Koenemann

R. H. Koenemann

Enclosure

VIRsfue
cc: EC, Koenemann, DMA Docket, Chron

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

200 New Customhouse
Denver 2, Colorado

November 23, 1951

Memorandum

To: DMA Field Team, Region IV

From: A. H. Koschmann

Subject: DMA Docket 1405X, Farnsworth Uranium Deposit, Moffat County, Craig, Colorado

Attached are 10 copies of the field report by Truman H. Kuhn, geologist, U. S. Geological Survey, covering subject docket.

A field investigation by Kuhn found no evidence that uranium occurs on this property, and he therefore recommends that the loan application be denied.

I concur with this recommendation.

Enclosed herewith is the brochure.

A. H. Koschmann

A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (11)

Geology

FARNSWORTH URANIUM DEPOSIT

MOFFAT COUNTY

CRAIG, COLORADO

DMA DOCKET 1405X

Geology

By Truman H. Kuhn, Geologist
U. S. Geological Survey

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FARNSWORTH URANIUM DEPOSIT
MOFFAT COUNTY, COLORADO

INTRODUCTION

A. J. Farnsworth of Craig, Colorado, has applied for a $75,000 loan (DMA Docket 1405X) to explore for uranium on his placer property located in sections 4 and 9, T. 9 N., R. 92 W., Moffat County, Colorado. This property formerly was known as the Housel gold placer mine.

The property, consisting of the Friend Ship, Pardner, Magpie, Sage Hen, Pal, and Grey Hound Leases, is located at an elevation of approximately 7,000 feet near the headwaters of Housel Gulch. It is about 19 airline miles northwest of Craig, Colorado. The property can be reached by following Moffat County Roads 3 and 5 northwest of Craig to Iron Springs Divide, 24 miles from town. From this point, the road to the placer turns northeast along the old Meeker and Rawlins stage coach road for an additional 1.6 miles where a less improved road branches to the east. The cabin on the Farnsworth property is 0.6 mile from the stage coach road and 26 miles, by road, from Craig.

The property was examined on August 22, 1951, accompanied by A. J. Farnsworth. It was also visited on May 17, 1950, by C. A. Hasser, geologist for the Atomic Energy Commission, Grand Junction, Colorado, accompanied by Mrs. Marie Farnsworth, wife of A. J. Farnsworth.

GENERAL GEOLOGY

The property is located in a relatively flat region near the center of a large exposure of sandstones and conglomerates of the lower Eocene

Wasatch formation. Gold placers have been worked in this area, and, according to H. S. Gale (1906, pp. 84-86) the gold-bearing sands now occur as weathered bars or terraces originally deposited on an old eroded Wasatch land surface. The deposition of the bars and terraces preceded the cutting of the present stream channels and relatively little concentrations of gold have taken place along the existing creek beds.

URANIUM

All workings and prospect pits and trenches were examined with a Geiger counter, and no significant radioactivity was detected.

In addition to the Geiger survey, one pit on the east side of Kennel Gulch, apparently on the Pal Lease, was sampled. Mr. Farnsworth stated that this was the only pit that "had a chance of containing uranium." The assay results are:

Sample No.	Average depth in feet	U %	eU %	Description
-	3	-	-	Recent soil
3	3	0.000	0.006	Sandstone and conglomerate, black and red iron oxides coating some of the grains
2	2	0.001	0.008	Sandstone grains almost completely coated and, in part, cemented by black iron and manganese oxides
1	2	0.001	0.006	Sandstone grains in part coated by red iron oxide

G. A. Kauer, Atomic Energy Commission geologist, in a report dated May 31, 1950, stated that in October 1948, Mrs. Marie Farnsworth submitted two samples to the Atomic Energy Commission at Grand Junction.

These two samples supposedly were taken from previous placer operations on the Farnsworth property near Housel Gulch. One sample was composed of fine-grained black sand, apparently a placer concentrate, and the other was a sample of conglomerate. Mr. Rasor examined the black sand and determined that 80 percent was magnetite and the remaining black grains probably were ilmenite. The rest of the sand was made up of red grains believed to be garnet and yellow grains believed to be monazite. The fine-grained concentrate was assayed by the Atomic Energy Commission (Sample No. 11152) and found to contain 0.87 percent equivalent U_3O_8. The conglomerate (Sample No. 11153) assayed 0.014 percent equivalent U_3O_8. According to Mr. Rasor, the Farnsworths were notified that the equivalent U_3O_8 assay represented a thorium content from the monazite and not a uranium content.

Mr. Rasor visited the property on May 17, 1951, and reported:

"Although a Geiger was carried to every test pit and hole, no radioactivity was recorded above the background count."

CONCLUSIONS AND RECOMMENDATIONS

On the Farnsworth property near Housel Gulch, Moffat County, Colorado, gold-bearing sands and gravels occur as scattered bars or terraces originally deposited on an old eroded Wasatch land surface. These sands have been placered for gold, and in addition to gold, contain magnetite, ilmenite, garnet, and monazite.

Since it has not been demonstrated that any uranium exists on the Farnsworth property, it is recommended that the application for a $75,000 loan to explore for uranium be denied.

REFERENCE

Gale, H. S., 1909, Gold placer deposits near Lay, Routt County (near Moffat County), Colorado: U. S. Geol. Survey Bull. 340, pp. 54-58.

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

Air Mail

NATIONAL DIRECTOR'S OFFICE
REGION IV
JAN 9 1952
BUREAU OF MINES
DENVER, COLORADO

1 7 1952

Mr. A. J. Farnsworth
Craig, Colorado

Re: Docket DMA-1405X
(Uranium)
Moffat County, Colorado

Dear Mr. Farnsworth:

Your application, DMA-1405X, for an exploration project in the sum of $75,000 has been carefully reviewed.

We regret to advise that it has been decided to deny your application at this time, basing this decision on the lack of evidence to indicate the geologic probability of making a significant discovery.

Should you later obtain additional evidence that might alter this opinion we will be glad to consider a new application.

Sincerely yours,

C. O. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

EGordon/jem 12-28-51
cc to; Adm. Reading File
Mails & Files Br.
Docket
Messrs. Mittendorf
Kaufman, A. J. - Rm. 1345
Hosted, J. A. - Rm. 3204, G.S.
Keiser, H. D. - Rm. 3204 G.S.
Gordon
Field Team, Region IV (2)

22L New Customhouse
Denver 2, Colorado

November 27, 1951

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: Final Report, DMA Docket 1105-1, A. J. Farnsworth, applicant; Emmal Gulch Placer Uranium Prospect, Moffat County, Colorado

Enclosed herewith are the original and two copies of the report on the subject docket.

We concur with the conclusions and recommendations of the examining team that the exploration loan of $75,000 be denied.

The brochure is enclosed.

J. B. Lint, Jr.

R. H. Loshbaugh

Enclosure

cc: [illegible], Headquarters, DMA Docket, Chron

2[illegible] New Customhouse
Denver 2, Colorado

November 27, 1951

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: Final Report, DMA Docket 1105-I, A. J. Farnsworth, applicant; Hensel Gulch Pioneer Uranium Prospect, Moffat County, Colorado

Enclosed herewith are the original and two copies of the report on the subject docket.

We concur with the conclusions and recommendations of the examining team that the exploration loan of $75,000 be denied.

The brochure is enclosed.

W. A. Funk, Jr.

R. K. Kneisman

Enclosure

[illegible]
cc: [illegible], Government, DMA Docket, [illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

OFFICE OF
REGIONAL DIRECTOR

REGION IV

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

July 31, 1951

Memorandum

To: A. H. Koschmann (with brochure)

W. M. Traver, Jr.

(Through Chief, Mining Division)

From: DMA Field Team, Region IV

Subject: DMA Docket 1405X, A. J. Farnsworth, Farnsworth Uranium Deposit, Moffat County, Colorado

Enclosed herewith is the subject brochure with application for an exploration project at an estimated cost of $75,000. C. A. Rasor, Geologist, Atomic Energy Commission, Grand Junction, Colorado, visited the property on May 17, 1950, and it is suggested that he be consulted.

The uranium minerals occur in the concentrates of a gold placer deposit. The geological probability of discovery of sufficient uranium to justify the proposed exploration project requires field examination, as does also the plan of exploration.

P. T. Allsman, Alternate

A. H. Koschmann

Enclosure

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

JUL 25 1951

REGIONAL DIRECTOR'S
OFFICE
REGION IV
JUL 30 1951
BUREAU OF MINES
DENVER, COLORADO

Mr. J. H. East. Jr.
224 New Customhouse Building
Denver 2, Colorado

Dear Sir:

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

Docket No. 1405x

Commodity Uranium

Applicant A. J. Farnsworth

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

Very truly yours,

for

Tom Lyon, Chairman
Coordinating Committee

Lowell B. Moon
For Bureau of Mines

Roy L. Ross
For Geological Survey

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA-1405X

Commodity Uranium

Total Amount $75,000

Govt. Participation $67,500

1. Name and Address of Applicant A. J. Farnsworth, Craig, Colorado.

2. Location of Property Moffat County, Colorado.

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 Report by field team is required.

e) Is there an alternative and favorable project?
(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? It is suggested that Mr. C. A. Rasor, geologist, Atomic Energy Commission, Grand Junction, Colorado, be contacted. Mr. Rasor visited the property on May 17, 1950.

Reviewed by: Geo. Hurlbut AEC
A. D. Keiser, U.S.G.S.

Date July 17, 1951

97692

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

RECEIVED BY RECORDS
OFFICE
DENVER 17
JUL 30 1951
BUREAU OF MINES
DENVER, COLORADO

July 26, 1951

Mr. [illegible]
[illegible], Colorado

Re [illegible]

Your [illegible] for exploration project in the [illegible] has been received by the Minerals [illegible] of the Supply Division.

Before a decision can be reached on your request we find it necessary to obtain additional information on your property. Your application therefore is being submitted to the office of the Executive Director of Field [illegible], Mr. [illegible], 224 New Custom House Building, Denver 2, Colorado, with the request that the needed information be supplied to us.

Yours very truly,

Tom Lyon, Director
Supply Division

Lyon:et/[illegible]
cc: Adm. Asst., File
Reports and Records
Lyon
Field Dir 17
Lyon:et
Files

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

RECEIVED
OFFICE
JUL 30 1951
SECRETARY OF THE
DEPARTMENT OF THE INTERIOR

July [illegible], 1951

[illegible]
[illegible]

[illegible]

[illegible] your application [illegible] in the [illegible] of [illegible], has been received by the Office and are being [illegible] 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 the [illegible], Dr. [illegible], Dr. 222 [illegible], Denver 2, Colorado, with the request that the additional information be supplied to us.

Very truly yours,

[illegible], Director
Supply Division

Your [illegible]
cc: [illegible] file
Reports and Records
[illegible]
[illegible]
[illegible]
Files

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA-1405X

Commodity Uranium

Total Amount $75,000

Govt. Participation $67,500

1. Name and Address of Applicant A. J. Farnsworth, Craig, Colorado.

2. Location of Property Moffat County, Colorado.

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 Report by field team is required.

e) Is there an alternative and favorable project?
(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? **It is suggested that Mr. C. A. Rasor, geologist, Atomic Energy Commission, Grand Junction, Colorado, be contacted. Mr. Rasor visited the property on May 17, 1950.**

Reviewed by: H W Kiser U.S.G.S.

Jo Hester, AEC.

Date **July 17, 1951**

97692

July 31, 1951

Memorandum

To: A. H. Koschmann (with brochure)

W. M. Traver, Jr.

(Through Chief, Mining Division)

From: DMA Field Team, Region IV

Subject: DMA Docket 1409K, A. J. Farnsworth, Farnsworth Uranium Deposit, Moffat County, Colorado

Enclosed herewith is the subject brochure with application for an exploration project at an estimated cost of $75,000. G. A. Ramor, Geologist, Atomic Energy Commission, Grand Junction, Colorado, visited the property on May 17, 1950, and it is suggested that he be consulted.

The uranium minerals occur in the concentrates of a gold placer deposit. The geological probability of discovery of sufficient uranium to justify the proposed exploration project requires field examination, as does also the plan of exploration.

F. T. Allman, Alternate

A. H. Koschmann

A. H. Koschmann

Enclosure

1d

cc: DMA
Koschmann

July 31, 1951

Memorandum

To: A. H. Koschmann (with brochure)

W. M. Traver, Jr.

(Through Chief, Mining Division)

From: DMA Field Team, Region IV

Subject: DMA Docket 1405X, A. J. Farnsworth, Farnsworth Uranium Deposit, Moffat County, Colorado

Enclosed herewith is the subject brochure with application for an exploration project at an estimated cost of $75,000. C. A. Rasor, Geologist, Atomic Energy Commission, Grand Junction, Colorado, visited the property on May 17, 1950, and it is suggested that he be consulted.

The uranium minerals occur in the concentrates of a gold placer deposit. The geological probability of discovery of sufficient uranium to justify the proposed exploration project requires field examination, as does also the plan of exploration.

F. T. Allman, Alternate

A. H. Koschmann

A. H. Koschmann

Enclosure

jd

cc: DMA
Koschmann

July 11, 1951

Memorandum

To: A. H. Koschmann (with brochure)

W. M. Trower, Jr.

(Through Chief, Mining Division)

From: DMA Field Team, Region IV

Subject: DMA Docket 1405X, A. J. Farnsworth, Farnsworth Uranium Deposit, Moffat County, Colorado

Enclosed herewith is the subject brochure with application for an exploration project at an estimated cost of $75,000. C. A. Isgar, Geologist, Atomic Energy Commission, Grand Junction, Colorado, visited the property on May 17, 1950, and it is suggested that he be consulted.

The uranium minerals occur in the concentrates of a gold placer deposit. The geological probability of discovery of sufficient uranium to justify the proposed exploration project requires field examination, as does also the plan of exploration.

F. T. Gilman, Alternate

A. H. Koschmann

A. H. Koschmann

Enclosure

14

cc: DMA
Koschmann

D M H

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

REGIONAL DIRECTOR'S OFFICE
REGION IV
JUN 20 1951
BUREAU OF MINES
DENVER, COLORADO

June 1?, 1951

Mr. A. J. Farnsworth
Craig, Colorado

Dear Mr. Farnsworth:

Your application of May 24, 1951 for government assistance in the exploration of strategic mineral deposits has been received by the Minor and Rare Metals Branch, Supply Division.

Though your application is incomplete we have assigned docket number 1005x. I am enclosing herewith five copies of form DF-103 with the request that you complete on separate type written sheets answers to the various questions asked. Your attention is particularly directed to questions 21 and 22 and 23. Please supply complete maps showing the location of your claims and your proposed development workings. Under question 23, we would like a detailed breakdown on the sizes of miners, wages, equipment and so forth. I am also enclosing herewith for your help and guidance contract form 200 which I would suggest you read at this time. Should your proposal be approved, the detail exhibits requested are necessary and will become a part of your contract. In reply please refer to docket no. 1005x. In the mean time your application will be held in our files pending receipt of material requested.

Yours very truly,

Tom Lyon

Tom Lyon, Director
Supply Division

Attachment
WBourret/bf
cc: Adm. Reading File
Strobel
Field Team IV (2)
Bourret
Files