DMA Form 1

DEFENSE MINERALS ADMINISTRATION
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DMA Docket No. 4321

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Exploration Project

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To:	700	Date	6/1/56
To:	Mr. Crawford	Date	6/11/56
To:	Oper. Com	Date	6/27/56
To:	"	Date	6/28/56
To:	F. E. Johnson	Date	6-29-56
To:	Com	Date	6-29-56
(1) To:	~~Kiilsgaard 5224~~	Date	7-30-56
(2) To:	Crawford-3643	Date	8-2-56
To:	Oper. Com	Date	8-17-56
To:	" "	Date	8-22-56
To:	F. E. Johnson	Date	8-24-56
To:	Com	Date	8-26-56
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To:		Date	
To:		Date	

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Surname copy

700

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

Murphy
Ellis
Nelson
Lamb
Selfridge
Fellman

AUG 24 1956

Gruver Uranium Exploration, Inc.
Gruver, Texas

Re: Docket No. DMEA-4321 (Uranium)
Headache and Sage Groups
Emery County, Utah

Gentlemen:

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

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

Careful study of all our information, although noting some uranium mineralization on your property, indicates to us that the probability of disclosing significant ore reserves is not sufficiently promising to justify Government participation. We regret to advise you that, under these circumstances, your application for exploration assistance is denied. However, this denial is made without prejudice to the property. In the event further work on your part discloses new and more favorable evidence of ore deposition on the property, we shall be pleased to consider a new application.

In accordance with your request we are returning the following exhibits relating to your application:

1. Four copies of an assay report, dated April 20, 1956.

2. Four copies of a letter and a geologic report, dated April 21, 1956, by E. A. Enyart, Geologist.

3. Four copies of a qualitative spectrographic examination report, dated May 4, 1956.

4. Although not requested, we are also returning three copies of a "Substituted Agreement," dated May 22, 1956.

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

Sincerely yours,

G. O. Mittendorf

Administrator

Enclosures

FMMurphy/izm/ai 8-22-56 (8-17-56)
cc to: Docket
Code 700
Mr. Murphy
Admr. Reading File
Operating Committee
DMEA Field Team, Region III (2)
Messrs. JECrawford, Rm. 3643
THKiilsggard, Rm. 5224
JOHosted, Rm. 3210, GSA

700

FILE COPY
Surname: Murphy

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

Gruver Uranium Exploration, Inc.
Gruver, Texas

Re: Docket No. DMEA-4321 (Uranium)
Headache and Sage Groups
Emery County, Utah

Gentlemen:

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

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

Careful study of all our information, although noting some uranium mineralization on your property, indicates to us that the probability of disclosing significant ore reserves is not sufficiently promising to justify Government participation. We regret to advise you that, under these circumstances, your application for exploration assistance is denied. However, this denial is made without prejudice to the property. In the event further work on your part discloses new and more favorable evidence of ore deposition on the property, we shall be pleased to consider a new application.

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

Sincerely yours,

Administrator

FMMurphy/izm 8-17-56
cc to: Docket
Code 700
Mr. Murphy
Admr.'s Reading File
Operating Committee
DMEA Field Team, Region III (2)
Messrs. JECrawford, Rm. 3643
THKiilsgaard Rm. 5224
JOHosted, Rm. 3270, GSA

Docket

700

Murphy

Summary of Proposed Project

Object: Denial of application for exploration aid.

Docket No.: DMEA-4321

Commodity: Uranium

Applicant: Gruver Uranium Exploration, Inc.
Gruver, Texas

Property: Owners of 22 unpatented mining claims situated in secs. 19, 20, 29, and 30, T. 20 S., R. 6 E., Emery County, Utah

Amount of Application: $34,750.00

Date of Application: May 25, 1956

Work Proposed and Costs:

10,000 ft. core & non-core drilling @ $3/ft.	$30,000.00	
100 hrs. bulldozer work @ $12/hr.	1,200.00	
Supervision (60 days)	1,200.00	
Consultants	2,000.00	
Analyses U_3O_8, 100 @ $3.50	350.00	
TOTAL		$34,750.00

Referred to Field Team: July 2, 1956

Advised that Washington office did not believe a field examination was justified, and that action on the application should be held in abeyance pending results of an AEC reconnaissance survey that was being conducted in the claims area.

Joint Memorandum, dated July 18, 1956, by J. W. Hasler, USGS, and M. H. Salsbury, USBM, as follows:

"In our memorandum of June 5, 1956 relative to the advisability of a field examination on the subject docket, we advised you that the Atomic Energy Commission was doing some reconnaissance work in the area and that we would await additional data pending their investigation.

"Yesterday, in a conversation with Mr. Robert Young, assistant district geologist for AEC in the area, I was informed that the reconnaissance work to date has shown that the uranium on the subject group of claims occurs in pellets and concretions of foreign material found in the North Horn formation. However, the source of the material has not yet been discovered and it is their opinion that a considerable amount of prospecting will be required in order to locate the probably source of this ore.

"In view of these results and the fact that the application consists primarily of prospecting, it is recommended that the application be denied without a field examination and that the applicant be advised that he may reapply for DMEA aid if his results from such prospecting prove encouraging enough to set up a well-planned exploration program."

The Field Team, in its memorandum, dated July 24, 1956, transmitting the above joint-memorandum, concurred in Mr. Hasler's and Mr. Salsbury's recommendation that the application be denied without prejudice, and a new application be considered.

Commodity Members' Comments: (excerpts)

USGS, N. E. Nelson, August 2, 1956:

Mr. Nelson states that in view of the AEC information, that he concurs in the Field Team's recommendation to deny the application without prejudice.

USBM, James Paone, August 15, 1956:

Mr. Paone notes the Grand Junction review reveals that little is known about the source of the uranium which occurs in pellets and concretions, and that a considerable amount of prospecting will be required to locate the source of ore. Mr. Paone concurs in the Field Team's recommendation to deny the application without prejudice.

Rare and Miscellaneous Metals Div., F. M. Murphy, August 17, 1956:

Data submitted by the Field Team indicate that no specific target exists to warrant the 30,000 feet of drilling proposed by the Applicant. However, as some uranium occurrences in the area are reported by the AEC, this Division concurs in the Field Team's Recommendation to deny the subject application without prejudice, and to give a new application consideration if the Applicant as a result of further work can supply information on which an exploration project could be justified.

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

8/15/56

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

RECEIVED
AUG 15 1956

August 15, 1956

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

From: James Paone, Bureau of Mines Alternate Member
Uranium Commodity Committee

Subject: Application for Assistance, DMEA Docket 4321, Gruver Uranium Exploration, Inc., (Headache and Sage claims), Emery County, Utah.

I have reviewed the attached application, DMEA Docket 4321, Gruver Uranium Exploration, Inc., (Headache and Sage claims), Emery County, Utah, dated May 25 and received in this office August 6, 1956. I have also reviewed the attached memoranda. The contents of the entire docket have been discussed with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The Grand Junction review of the application reveals that little is known about the source of the uranium which occurs in pellets and concretions of foreign material; in the opinion of the field team, a considerable amount of prospecting will be required in order to locate the probable source of ore. They recommend denial without prejudice.

We concur in the denial.

James Paone
James Paone

Attachment

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

RECEIVED
AUG 15 1956

August 15, 1956

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Uranium Commodity Committee

From: James Paone, Bureau of Mines Alternate Member
Uranium Commodity Committee

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We concur in the denial.

James Paone

Attachment

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

RECEIVED
AUG 15 1956

August 15, 1956

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We concur in the denial.

James Paone

Attachment

IN REPLY REFER TO:

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

August 2, 1956

Re: DMEA 4321
Gruver Uranium Exploration, Inc.
Headache and Sage claims
Emery County, Utah
$34,750.00 - Uranium

Memorandum

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

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

Subject: Review of memorandum of Field Office reversing its recommendation in letter of transmittal of June 5, 1956.

In a memorandum dated June 5, 1956, the Grand Junction Field Office deemed advisable a field examination of the referenced property.

Following consideration of information furnished by the A.E.C. the members of the Field Office recommend denial without prejudice of the application and the Field Team concurs.

I concur with the recommendation of the Field Office and the Field Team.

N. E. Nelson

cc: J. E. Crawford, 3641

8/2/56

IN REPLY REFER TO:

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

August 2, 1956

Re: DMEA 4321
Gruver Uranium Exploration, Inc.
Headache and Sage claims
Emery County, Utah
$34,750.00 - Uranium

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N. E. Nelson

IN REPLY REFER TO:

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

August 2, 1956

Re: DMEA 4321
Graver Uranium Exploration, Inc.
Headache and Saga claims
Emery County, Utah
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N. E. Nelson

N. E. Nelson

NENelson:iml
G-8/2/56

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210

IN REPLY REFER TO:

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

August 2, 1956

Re: DMEA 4321
Gruver Uranium Exploration, Inc.
Headache and Sage claims
Emery County, Utah
$34,750.00 - Uranium

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NENelson:iml
G-8/2/56

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210

IN REPLY REFER TO:

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

August 2, 1956

Re: DMEA 4321
Grover Uranium Exploration, Inc.
Headache and Sage claims
Emery County, Utah
$34,750.00 - Uranium

Memorandum

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N. E. Nelson

NENelson:iml
G-8/2/56

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210

7/27/56

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

RECEIVED
JUL 27 1956

July 24, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Field Team, Region III

Subject: Docket DMEA 4321 (Uranium) Gruver Uranium Exploration, Inc., (Headache and Sage claims), Emery County, Utah

Enclosed are the original and three copies of a joint review of the subject application by members of the Grand Junction Office, DMEA. They recommend that this application be denied without prejudice without a field examination. We concur in this recommendation.

Should the Applicant's future prospecting reveal the source of pellets and concretions containing uranium mineralization, a new application would be given proper consideration.

DMEA Field Team, Region III

W. M. Traver

By W. M. Traver
Executive Officer

Enclosures

MINERAL DEPOSITS
IN REPLY REFER TO:
DMEA
RECEIVED
JUL 20 1956
U. S. GEOLOGICAL SURVEY
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
DMEA
P. O. Box 960
Grand Junction, Colorado
JUL 24 1956

July 18, 1956

Memorandum

BUREAU OF MINES
Denver, Colorado

RECEIVED
JUL 27 1956

To: Executive Officer, DMEA Field Team, Region III

Through: E. N. Harshman

From: J. William Hasler
M. H. Salsbury

Subject: Gruver Uranium Exploration, Inc.,
DMEA docket 4321 (Uranium), Headache and Sage claims,
Emery County, Utah

In our memorandum of June 5, 1956 relative to the advisability of a field examination on the subject docket, we advised you that the Atomic Energy Commission was doing some reconnaissance work in the area and that we would await additional data pending their investigation.

Yesterday, in a conversation with Mr. Robert Young, assistant district geologist for AEC in the area, I was informed that the reconnaissance work to date has shown that the uranium on the subject group of claims occurs in pellets and concretions of foreign material found in the North Horn formation. However, the source of the material has not yet been discovered and it is their opinion that a considerable amount of prospecting will be required in order to locate the probable source of this ore.

In view of these results and the fact that the application consists primarily of prospecting, it is recommended that the application be denied without a field examination and that the applicant be advised that he may reapply for DMEA aid if his results from such prospecting prove encouraging enough to set up a well-planned exploration program.

J. William Hasler
J. William Hasler,
U. S. Geological Survey

M. H. Salsbury
M. H. Salsbury,
U. S. Bureau of Mines

JWH/mlr

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

July 6, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: J. F. Shaw (2) ([redacted])
E. E. Kerzhman

From: Field Team, Region III

Subject: Docket DMEA 4321 (Uranium) Grover Uranium Exploration, Inc., (Escalante and Sage Groups) Emery County, Utah

Enclosed are copies of a letter dated July 2, 1956 from the Chairman of the Operating Committee concerning the subject application and also copies of memoranda of review from J. E. Crawford, [redacted], and H. E. Nelson, [redacted], and a letter from E. W. Ellis dated July 2, 1956 to the Applicant.

The application in the amount of $34,750.00 was submitted to the Secretary of the Operating Committee from this office and a copy sent to the Grand Junction Office for review on May 29, 1956. On June 7 the Grand Junction Office review dated June 5 was transmitted to the Chairman. It recommended an examination and with this the Region III Field Team concurred.

As it stands now, the application should be denied as premature. However, the Operating Committee does not consider a field examination in order at this time supporting that it be deferred until the results of the present AEC reconnaissance study in the area is completed. The Applicant has been so advised by the letter from Mr. Ellis, but apparently the responsibility for learning the outcome of the AEC work is Region III.

A copy of the brochure was supplied the Grand Junction Office by our memorandum of May 29, 1956. We will retain the Bureau of Mines copy in the Denver Office file until such time as it may be required.

It is suggested that the Grand Junction Office request the Colorado Plateau Office of the AEC to advise them when the work on the property is completed and its outcome.

BMIA Field Team, Region XXI

W. M. TRAVER.

By W. M. Traver
Executive Officer

Enclosures

WMT:sb

cc: Docket 4321
Sec. Op. Comm. (2)
Hesler
Chron.

[redacted]

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

July 6, 1956

254 New Customhouse
Denver 2, Colorado

RECEIVED
JUL 9 - 1956

Memorandum

To: J. F. Shaw (2) ([redacted])
E. H. Harshman

From: Field Team, Region III

Subject: Docket DMEA 4381 (Uranium) Grover Uranium Exploration, Inc., (Headache and Sage Groups) Emery County, Utah

Enclosed are copies of a letter dated July 2, 1956 from the Chairman of the Operating Committee concerning the subject application and also copies of memoranda of review from J. E. Crawford, USBM, and E. E. Nelson, USGS, and a letter from E. W. Ellis dated July 2, 1956 to the Applicant.

The application in the amount of $34,750.00 was submitted to the Secretary of the Operating Committee from this office and a copy sent to the Grand Junction Office for review on May 29, 1956. On June 7 the Grand Junction Office review dated June 5 was transmitted to the Chairman. It recommended an examination and with this the Region III Field Team concurred.

As it stands now, the application should be denied as prospecting. However, the Operating Committee does not consider a field examination in order at this time suggesting that it be deferred until the results of the present AEC reconnaissance study in the area is completed. The Applicant has been so advised by the letter from Mr. Ellis, but apparently the responsibility for learning the outcome of the AEC work is Region III's.

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DMEA Field Team, Region XIX

W. M. TRAVER.

By W. M. Traver
Executive Officer

Enclosures

WMT:ab

cc: Docket 4321
Sec. Op. Comm. (2)
Healer
Chron.

700

FILE COPY
Surname:

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

JUL 2 - 1956

Gruver Uranium Exploration, Inc.
Gruver, Texas

Re: Docket No. DMEA-4321 (Uranium)
Headache and Sage Groups
Emery County, Utah

Gentlemen:

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

The work proposed in the application, in our opinion, is essentially prospecting as no definite exploration target has been outlined or justified. However, it is our understanding that the AEC is presently making a reconnaissance study of the area in which your property is situated and will advise our Agency on the results of their work.

It is possible that the AEC work may disclose a more favorable target area for exploratory work than has been submitted in your application. Therefore, we will hold the application in abeyance pending the results of the AEC study of the area. On receipt of this information we will inform you regarding the further processing of the application.

Sincerely yours,

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

FMMurphy/izm 6-29-56
cc to: Docket
Code 700
Admr.'s Reading File
DMEA Field Team, Region III (2)
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

R.C.L.

700

FILE COPY
Surname:
Murphy

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

Graver Uranium Exploration, Inc.
Graver, Texas

Re: Docket No. DMEA-4321 (Uranium)
Headache and Sage Groups
Emery County, Utah

Gentlemen:

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

Mr. W. M. Traver
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

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

Sincerely yours,

Administrator

FMMurphy/izm 6-27-56
cc to: Docket
Code 700
Mr. Murphy
Admr.'s Reading File
DMEA Field Team, Region III (2)

700

FILE COPY
Surname:

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

Mr. W. M. Traver
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

JUL 2 - 1956

Re: Docket No. DMEA-4321 (Uranium)
Grauer Uranium Exploration, Inc.
Headache and Sage Groups
Emery County, Utah

Dear Mr. Traver:

This is to acknowledge your memorandum of June 7, and the Grand Junction office memorandum, dated June 5, 1956, recommending a field examination of the captioned property.

Enclosed are copies of memoranda, dated June 14 and 26, 1956, by M. K. Nelson, USGS, and J. E. Crawford, USBM, respectively, relating to the application.

Judging from the information submitted, the Applicant has done very little prospecting or exploratory work on the subject claim groups.

It is possible that the reconnaissance work by AEC, mentioned in the Grand Junction memorandum, may indicate a more favorable target area for the proposed drilling than the one outlined in the geologic report submitted with the application.

We do not believe a field examination of the subject property is justified at this time. Therefore, we are holding the application in abeyance pending the Field Team's advice to this office in regard to the results of the AEC work in the area.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures

FMMurphy/izm 6-29-56
cc to: Docket
Code 700
Mr. Murphy
Admr.'s Reading File
Operating Committee
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

APPROVED:

P. F. Yopes
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

700

FILE COPY
Surname:

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

Mr. W. M. Traver
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-4321 (Uranium)
Gruver Uranium Exploration, Inc.
Headache and Sage Groups
Emery County, Utah

Dear Mr. Traver:

In accordance with your memorandum of June 7, 1956, the captioned application is referred to Region III Field Team for investigation, a field examination, and recommendation.

Enclosed are copies of memoranda, dated June 14 and 26, 1956, by M. E. Nelson, USGS, and J. E. Crawford, USBM, respectively, relating to the application.

It is possible that the reconnaissance work by AEC, mentioned in the Grand Junction memorandum, may indicate a more favorable target area for the proposed drilling than the one outlined in the geologic report submitted with the application.

We note that the applicant corporation upon completion of 2,000 feet of drilling on Headache claims Nos. 2, 4, 6, 8, 10, 12, 14, 16, and 18 will be assigned an undivided one-half interest in these claims by J. K., M. S., Ivan, and Carl E. Nielson. The Applicant states that the Sage and the other Headache claims are owned by the corporation.

Judging from the information submitted, the Applicant has done very little prospecting or exploratory work on the subject claim groups.

Sincerely yours,

Chairman, Operating Committee

Enclosures

FMMurphy/izm 6-27-56
cc to: Docket
Code 700
Mr. Murphy
Admr.'s Reading File
Operating Committee
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

APPROVED:

Member, Bureau of Mines

Member, Geological Survey

6-15-56

IN REPLY REFER TO:

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

RECEIVED
JUN 15 1956

June 14, 1956

Re: DMEA 4321
Gruver Uranium Exploration, Inc.
Headache and Sage groups
Emery Co. Utah
$34,750.00 - Uranium

Memorandum

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

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

Subject: Review of application

Following a review of the application the Grand Junction field office recommends, "Even though the applicant's program is one of prospecting, it is deemed advisable that a field examination of the property be made so that we will become acquainted with occurrences of mineralizations in Tertiary rocks in the area as well as those deposits of Jurassic and Triassic age with which we are more familiar".

The applicant requests assistance in prospecting, by drilling, fault zones and the beds adjacent, to find the source of uranium bearing float in the shape of large pieces of limy siltstone and pellets composed of an amorphous variety of brown-gray stained silica. The pellets assay up to 0.50% U_3O_8.

I concur with the conclusion of the field office that a field examination is warranted.

N. E. Nelson

N. E. Nelson

IN REPLY REFER TO:

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

RECEIVED
JUN 15 1956

June 14, 1956

Ref: D[illegible] 4321
Grover Uranium Exploration, Inc.
Headache and Sage groups
Emery Co. Utah
234,750.00 - Uranium

Memorandum

To: [illegible]. [illegible]llis, Defense Minerals Exploration Administration

From: W. [illegible]. Nelson, U. S. Geological Survey

Subject: Review of application

Following a review of the application the Grand Junction field office recommends, "Even though the applicant's program is one of prospecting, it is deemed advisable that a field examination of the property be made so that we will become as acquainted with occurrences of mineralizations in Tertiary rocks in the area as well as those deposits of Jurassic and Triassic age with which we are more familiar".

The applicant requests assistance in prospecting, by drilling, fault zones and the beds adjacent, to find the source of uranium bearing float in the shape of large pieces of limy siltstone and pellets composed of an amorphous variety of brown-gray stained silica. The pellets assay up to 0.50 [illegible] lb.

I concur with the conclusion of the field office that a field examination is warranted.

W. E. Nelson

WENelson:btr
6/14/56

cc: Director's reading file (4212)
Branch reading file (4212) W. E. Nelson
D[illegible] (3)
Chron. file
Docket file
J. [illegible]. Crawford3641
J. [illegible]. Hosted, 3210

6/27/56

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

RECEIVED
JUN 27 1956

June 26, 1956

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

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

Subject: Application for Assistance, DMEA Docket 4321 (Uranium)
Gruver Uranium Exploration, Inc., (Headache and Sage claims), Emery County, Utah

I have reviewed the attached application for assistance, DMEA Docket 4321, Gruver Uranium Exploration, Inc., (Headache and Sage claims), Emery County, Utah, dated May 25 and received in this office June 11, 1956. I have also discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The applicant has requested Federal assistance to explore for uranium on 44 unpatented mining claims in Sections 19, 20, 29, and 30, all in T. 20 S., R. 6 E., Emery County, Utah, by 10,000 feet of core and plug drilling at $3.00 per foot. The total estimated cost of the project is $34,750.

Little information is given regarding the favorability of the area and, as proposed, the project is of a prospecting nature.

An application similar to the one submitted would normally be denied without prejudice, but inasmuch as the AEC is now completing a reconnaissance study of the area, it would be advisable to refer the application to the field for information that the Commission may be able to offer regarding the favorability of the subject claims.

John E Crawford
John E. Crawford

Attachment

6/11/56 gla

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

June 7, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Chairman, Operating Committee, DMEA

From: Field Team, Region III

Subject: Docket DMEA 4321 (Uranium) Gruver Uranium Exploration, Inc., (Headache and Sage claims), Emery County, Utah

Enclosed are the original and three copies of a joint report of review of the subject application by members of the Grand Junction office, DMEA.

They recommend that a field examination of this property would be desirable. We concur in this recommendation.

DMEA Field Team, Region III

W. M. Traver

By W. M. Traver
Executive Officer

Enclosures

4321

Hmp

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 360
Grand Junction, Colorado

IN REPLY REFER TO:
DMEA
Date Rec'd.
JUN 7 1956
BUREAU OF MINES
Denver, Colorado

June 5, 1956

RECEIVED
JUN 14 1956
E. N. H.

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: E. N. Harshman

From: J. William Hasler
M. H. Salsbury

Subject: Application for DMEA aid (Uranium),
Gruver Uranium Exploration, Inc., (Headache and Sage claims)
Emery County, Utah

The Gruver Uranium Exploration, Inc., applied to the Defense Minerals Exploration to explore for uranium on their Headache and Sage claims, Emery County, Utah. A cursory check of the applicant's material indicates that he wishes to explore for uranium in the North Horn and the Flagstaff formations of Tertiary age. The uranium appears to occur in pellets and fragments of foreign material found in either the Flatstaff or the North Horn formation. The material checked by geologists for the company was from large pieces of float and their origin and exact location were difficult to ascertain.

The project is essentially a prospecting venture; however, little is known to date regarding the occurrence of uranium in either of these formations in this area. The Atomic Energy Commission is now completing a reconnaissance study of the area and will inform us of their findings.

Even though the applicant's program is one of prospecting, it is deemed advisable that a field examination of the property be made so that we will become acquainted with occurrences of mineralizations in Tertiary rocks in the area as well as those deposits of Jurassic and Triassic age with which we are more familiar.

J. William Hasler
J. William Hasler,
U.S. Geological Survey

H. G. Robertson for
M. H. Salsbury
U. S. Bureau of Mines

JWH/mlr

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

June 7, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Chairman, Operating Committee, DMEA

From: Field Team, Region III

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They recommend that a field examination of this property would be desirable. We concur in this recommendation.

DMEA Field Team, Region III

W. M. TRAVER,

By W. M. Traver
Executive Officer

Enclosures

IN REPLY REFER TO:
DMEA
Date Rec'd.
JUN 7 1956
BUREAU OF MINES
Denver, Colorado

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 360
Grand Junction, Colorado

June 5, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: E. N. Harshman EMH

From: J. William Hasler
M. H. Salsbury

Subject: Application for DMEA aid (Uranium),
Gruver Uranium Exploration, Inc., (Headache and Sage claims)
Emery County, Utah

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The project is essentially a prospecting venture; however, little is known to date regarding the occurrence of uranium in either of these formations in this area. The Atomic Energy Commission is now completing a reconnaissance study of the area and will inform us of their findings.

Even though the applicant's program is one of prospecting, it is deemed advisable that a field examination of the property be made so that we will become acquainted with occurrences of mineralizations in Tertiary rocks in the area as well as those deposits of Jurassic and Triassic age with which we are more familiar.

J. William Hasler
J. William Hasler,
U.S. Geological Survey

H. T. Robertson for
M. H. Salsbury
U. S. Bureau of Mines

JWH/mlr

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 360
Grand Junction, Colorado

IN REPLY REFER TO:
DMEA
Date Rec'd.
JUN 7 1956
BUREAU OF MINES
Denver, Colorado

June 5, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: E. N. Harshman EMH

From: J. William Hasler
M. H. Salsbury

Subject: Application for DMEA aid (Uranium),
Gruver Uranium Exploration, Inc., (Headache and Sage claims)
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J. William Hasler
J. William Hasler,
U.S. Geological Survey

H. F. Robertson for
M. H. Salsbury
U. S. Bureau of Mines

JWH/mlr

June 1, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

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 III.

DMEA
- 4321 Gruver Uranium Exploration, Inc.

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

June 1, 1956

Gruver Uranium Exploration, Inc.
Gruver,
Texas

Subject: DMEA-4321
Re: Exploration Assistance

Gentlemen

The receipt of your application dated May 25, 1956 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4321 and referred to the Rare & Misc. Metals Division.

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

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

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

May 29, 1956

RECEIVED
JUN - 1 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Field Team, Region III

Subject: Application for DMEA Aid (Uranium) Gruver Uranium Exploration, Inc. (Headache and Sage claims), Emery County, Utah

Enclosed are two copies of the subject application in the amount of $34,750.00.

One copy of the application is being forwarded the Grand Junction office for their comments relative to the advisability of making a field examination and one copy of the application is being retained in our file.

The Applicant was advised when he submitted his application to this office that three drilling bids from contractors will be required. He will obtain these bids and submit them to this office.

DMEA Field Team, Region III

By J. W. Townsend
Acting Executive Officer

Enclosures

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

May 29, 1956

RECEIVED
JUN - 1 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Field Team, Region III

Subject: Application for DMEA Aid (Uranium) Grover Uranium Exploration, Inc. (Headache and Sage claims), Emery County, Utah

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DMEA Field Team, Region III

J. W. Townsend

By J. W. Townsend
Acting Executive Officer

Enclosures

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

May 29, 1956

RECEIVED
JUN - 1 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: J. W. Hasler

From: Field Team, Region III

Subject: Application for DMEA Aid (Uranium) Gruver Uranium Exploration, Inc. (Headache and Sage claims), Emery County, Utah

Enclosed is the subject application in the amount of $34,750.00.

Please discuss this application with the Bureau of Mines representative in the Grand Junction office and the AEC and forward this office nine copies of your recommendations concerning the advisability of making a field examination.

DMEA Field Team, Region III

J. W. Townsend

By J. W. Townsend
Acting Executive Officer

Enclosure

DMC:ab

cc: Sec. Op. Comm. (2)
Docket
Harshman
Shaw (2)
Chron.

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

May 29, 1956

224 New Customhouse
Denver 2, Colorado

RECEIVED
JUN - 1 1956

Memorandum

To: J. W. Hasler

From: Field Team, Region III

Subject: Application for DMEA Aid (Uranium) Gruver Uranium Exploration, Inc. (Headache and Sage claims), Emery County, Utah

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DMEA Field Team, Region III

J. W. Townsend

By J. W. Townsend
Acting Executive Officer

Enclosure

DMC:ab

cc: Sec. Op. Comm. (2)
Docket
Harshman
Shaw (2)
Chron.

MF-103 (Revised April 1952)

DMEA Date Rec'd MAY 29 1956

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

JUN - 1 1956

BUREAU OF MINES Denver, Colorado

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-4321
Metal or Mineral URANIUM
Date Received 6/1/56
Estimated Cost $34,750.00
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: GRUVER URANIUM EXPLORATION, INC. Gruver, Texas
Incorporated under the laws of the State of Texas
Also duly licensed to do business in the State of Utah.
See Page 2 (a) 1.(c) for Corporate officers

(*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. See above

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

(*d*) If a partnership, add to the above statement the names and addresses of all partners. Not Applicable

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
See same Instruction, Page 2 (a)

(*b*) State any mine name by which the property is known. Not applicable

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise
See Same Instruction, Page 2 (a)

(*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. Refer to same Instruction, Page 2 (a)

(*e*) If you own the land, describe any liens or encumbrances on it
Not Applicable

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. Refer to same Instruction, Page 2 (a)

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. Not applicable

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. Not Applicable

(*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 accompanying geologic report and map.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. Refer to 4 (d), Page 2 (a)

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.
Refer to 4 (e), Page 2 (a)

16—66551-1

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

(*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. Refer to accompanying geologic report and maps

(*c*) The work will start within 10 days and be completed within 6 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. See 5 (d), Page 2 (b)

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: Page 2 (b)

(*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.). See page 2 (b) 6. (a)

(*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. See Page 2 (b), 6. (a)

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel. Not applicable

(*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. Not applicable

(*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. Not applicable

(*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. None

(*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. See 6. (g), Page 2 (b)

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above. None

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. Not applicable

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)? See 7 (a), Page 2 (b)

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

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

Explain in detail on acompanying paper. See 7 (b), Page 2 (b)

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 May 25, 1956

GRUVER URANIUM EXPLORATION, INC.
(Applicant)

By [signature]

President

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

RECEIVED
JUN - 1 1956

1. (c)	Tillie Poston	President	Gruver, Texas
	A.R. Bort	Vice-President	Gruver, Texas
	Kenneth Irwin	Secretary-Treasurer	Gruver, Texas
	O.V. Walker Jr. and Harvey R. Holt	General Managers	Ferron, Utah
	Mack V. Bunderson, Attorney	Resident Agent in Utah	Castle Dale, Utah

3. (a) Sections nineteen (19), twenty (20), twenty nine (29) and thirty (30), all in Township twenty (20) South, Range six (6) East, Emery County, UTAH.

(c) Owners of 22 unpatented mining claims. (see page 3 (a) for descriptive and recording data)
Have contracts for assignment of an undivided one-half (1/2) interest in 22 unpatented mining claims upon completion of 4,000 feet of drilling or the discovery of a commercial ore body on said claims. (for descriptive and recording data see accompanying substituted agreement (contract)

(d) Refer to copies of accompanying Substituted Agreements or Contracts

(f) Refer to 3 (c) above and Page 3 (a)

4. (c) See accompanying geologic report and maps

(d) The project would be accessible by county and forest road. The nearest rail shipping point is approximately 49 miles. The nearest supply and residence point would be approximately 21 miles by road to Ferron, Utah

(e) There is an adequate supply of manpower, materials, supplies, equipment etc. available at the nearest supply point of Ferron, Utah.
An adequate supply of water is available in the immediate project area.

5. (b) Refer to accompanying geologic reports and map

(d) Our Company has been engaged in uranium exploration work for over a year. General Managers, Holt and Walker have had over a years experience in core drilling. They along with a competent geologist will supervise all exploration work.

6. Total estimated cost of project is $34,750.00

(a) All work to be performed by independent contract.

10,000 feet of drilling at $3.00 per foot (includes both core and plug drilling)	$30,000.00
100 hours of bulldozer work at $12.00 per hr.	1,200.00

(b) Salaries of our general managers at $300.00 each per month for supervisory work for an estimated 60 days 1,200.00

Fees paid a geological consultant estimated from accompanying geologic letter and report 2,000.00

(g) Analytical and Assay work estimated as follows:
2 samples taken from 50 holes of a 200 foot depth at $3.50 per sample 350.00

7. (a) Yes, we can furnish our 25% of the cost of the proposed project

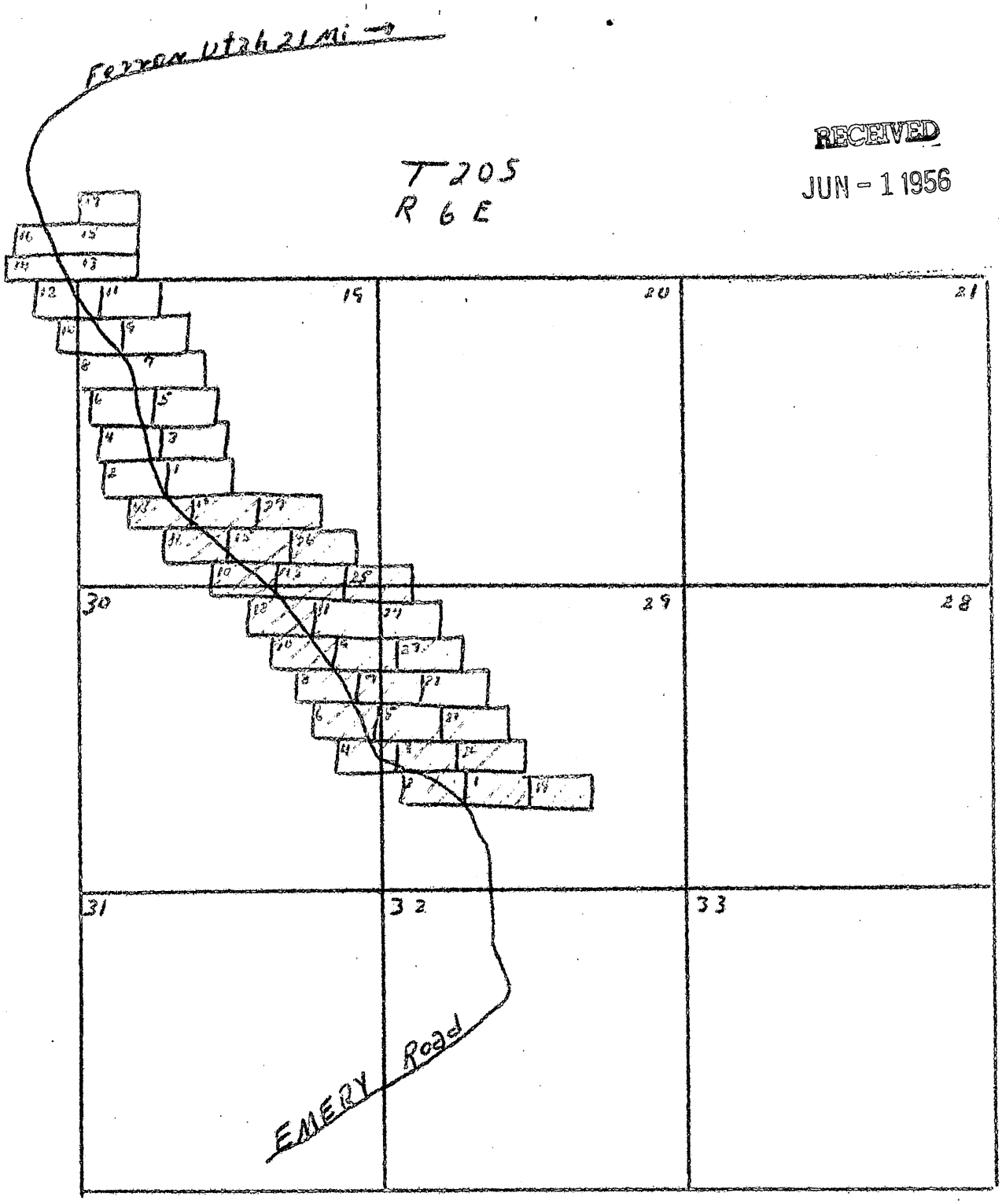
(b) Money; we are prepared to contribute our part of the cost of the proposed project with cash to be obtained by loans from the stockholders to the company

GENERAL COMMENTS: Gruver Uranium Exploration, Inc. is a small closed corporation with only 10 stockholders. These stockholders are local business men, farmers and ranchers. The corporation was formed for ~~our~~ NOT intended to be a promotional or speculative venture. It has and will continue to be conducted on a sound business basis. We sincerely believe the uranium mining claims we own and control warrant a reasonable amount of expenditures to determine their potential. Our purpose in seeking government aid is to help carry out the necessay exploration work.

Please Return

GRUVER URANIUM EXPLORATION, INC.
Gruver, Texas

RECEIVED
JUN - 1 1956



Headache claims
1 through 27
Sage claims
1 through 17

GRUVER URANIUM EXPLORATION, INC.
Grand Junction, Colorado
RECEIVED
JUL - 1 1956

The following is applicable to question 3 (a) and (f) on page 1 of Instructions.

Data respecting certain unpatented mining claims located in Emery County Utah, of Which Gruver Uranium Exploration, Inc. is owner.

CLAIM NAME	ENTRY NO.	DATE OF ENTRY	RECORDED	BOOK & PAGE
Headache #23	143705	April 29, 1956	May 3, 1956	J-111, 440
Headache #24	143706	April 29, 1956	May 3, 1956	J-111, 441
Headache #25	143707	April 29, 1956	May 3, 1956	J-111, 442
Headache #26	143708	April 29, 1956	May 3, 1956	J-111, 443
Headache #27	143709	April 29, 1956	May 3, 1956	J-111, 444
Sage # 1	143710	April 29, 1956	May 3, 1956	J-111, 445
Sage # 2	143711	April 29, 1956	May 3, 1956	J-111, 446
Sage # 3	143712	April 29, 1956	May 3, 1956	J-111, 447
Sage # 4	143713	April 29, 1956	May 3, 1956	J-111, 448
Sage # 5	143714	April 29, 1956	May 3, 1956	J-111, 449
Sage # 6	143715	April 29, 1956	May 3, 1956	J-111, 450
Sage # 7	143716	April 29, 1956	May 3, 1956	J-111, 451
Sage # 8	143717	April 29, 1956	May 3, 1956	J-111, 452
Sage # 9	143718	April 29, 1956	May 3, 1956	J-111, 453
Sage #10	143719	April 29, 1956	May 3, 1956	J-111, 454
Sage #11	143720	April 29, 1956	May 3, 1956	J-111, 455
Sage #12	143721	April 29, 1956	May 3, 1956	J-111, 456
Sage #13	143722	April 29, 1956	May 3, 1956	J-111, 457
Sage #14	143723	April 29, 1956	May 3, 1956	J-111, 458
Sage #15	143724	April 29, 1956	May 3, 1956	J-111, 459
Sage #16	143725	April 29, 1956	May 3, 1956	J-111, 460
Sage #17	143726	April 29, 1956	May 3, 1956	J-111, 461

MINERAL DEPOSITS
IN REPLY REFER TO:
DMEA
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JUL 20 1956
GEOLOGICAL SURVEY
DENVER, COLO.
DMEA
Date Rec'd.
JUL 24 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 360
Grand Junction, Colorado

July 18, 1956

BUREAU OF MINES
Denver, Colorado
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JUL 27 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: E. N. Harshman

From: J. William Hasler
M. H. Salsbury

Subject: Gruver Uranium Exploration, Inc.,
DMEA docket 4321 (Uranium), Headache and Sage claims,
Emery County, Utah

In our memorandum of June 5, 1956 relative to the advisability of a field examination on the subject docket, we advised you that the Atomic Energy Commission was doing some reconnaissance work in the area and that we would await additional data pending their investigation.

Yesterday, in a conversation with Mr. Robert Young, assistant district geologist for AEC in the area, I was informed that the reconnaissance work to date has shown that the uranium on the subject group of claims occurs in pellets and concretions of foreign material found in the North Horn formation. However, the source of the material has not yet been discovered and it is their opinion that a considerable amount of prospecting will be required in order to locate the probable source of this ore.

In view of these results and the fact that the application consists primarily of prospecting, it is recommended that the application be denied without a field examination and that the applicant be advised that he may reapply for DMEA aid if his results from such prospecting prove encouraging enough to set up a well-planned exploration program.

J. William Hasler
J. William Hasler,
U. S. Geological Survey

M. H. Salsbury
M. H. Salsbury,
U. S. Bureau of Mines

JWH/mlr

MF-103-A
(Revised April 1952)

Date Rec'd.
MAY 29 1956

BUREAU OF MINES
Denver, Colorado

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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JUN - 1 1956

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

Not to be filled in by applicant

Docket No. DMEA-4321
Metal or Mineral URANIUM
Date Received 6/1/56
Estimated Cost $34,750.00
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: GRUVER URANIUM EXPLORATION, INC. Gruver, Texas
Incorporated under the laws of the State of Texas
Also duly licensed to do business in the State of Utah.
See Page 2 (a) 1.(c) for Corporate officers

(*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. See above

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

(*d*) If a partnership, add to the above statement the names and addresses of all partners. Not Applicable

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
See same Instruction, Page 2 (a)

(*b*) State any mine name by which the property is known. Not applicable

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise
See Same Instruction, Page 2 (a)

(*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. Refer to same Instruction, Page 2 (a)

(*e*) If you own the land, describe any liens or encumbrances on it
Not Applicable

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. Refer to same Instruction, Page 2 (a)

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. Not applicable

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. Not Applicable

(*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 accompanying geologic report and map.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. Refer to 4 (d), Page 2 (a)

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.
Refer to 4 (e), Page 2 (a)

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

(*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. Refer to accompanying geologic report and maps

(*c*) The work will start within 10 days and be completed within 6 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. See 5 (d), Page 2 (b)

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: Page 2 (b)

(*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.). See page 2 (b) 6. (a)

(*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. See Page 2 (b), 6. (a)

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel. Not applicable

(*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. Not applicable

(*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. Not applicable

(*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. None

(*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. See 5. (g), Page 2 (b)

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs above. None

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. Not applicable

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)? See 7 (a), Page 2 (b)

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

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

Explain in detail on acompanying paper. See 7 (b), Page 2 (b)

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 May 25, 1956

GRUVER URANIUM EXPLORATION, INC.
(Applicant)

By Willis Poston

President

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

GRUVER URANIUM EXPLORATION, INC.
Gruver, Texas

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JUN - 1 1956

1. (c)	Tillie Poston	President	Gruver, Texas
	A.R. Bort	Vice-President	Gruver, Texas
	Kenneth Irwin	Secretary-Treasurer	Gruver, Texas
	O.V. Walker Jr. and Harvey R. Holt	General Managers	Ferron, Utah
	Mack V. Bunderson, Attorney	Resident Agent in Utah	Castle Dale, Utah

3. (a) Sections nineteen (19), twenty (20), twenty nine (29) and thirty (30), all in Township twenty (20) South, Range six (6) East, Emery County, UTAH.

(c) Owners of 22 unpatented mining claims. (see page 3 (a) for descriptive and recording data)
Have contracts for assignment of an undivided one-half (1/2) interest in 22 unpatented mining claims upon completion of 4,000 feet of drilling or the discovery of a commercial ore body on said claims. (for descriptive and recording data see accompanying substituted agreement (contract)

(d) Refer to copies of accompanying Substituted Agreements or Contracts

(f) Refer to 3 (c) above and Page 3 (a)

4. (c) See accompanying geologic report and maps

(d) The project would be accessible by county and forest road. The nearest rail shipping point is approximately 49 miles. The nearest supply and residence point would be approximately 21 miles by road to Ferron, Utah

(e) There is an adequate supply of manpower, materials, supplies, equipment etc. available at the nearest supply point of Ferron, Utah.
An adequate supply of water is available in the immediate project area.

5. (b) Refer to accompanying geologic reports and map

(d) Our Company has been engaged in uranium exploration work for over a year. General Managers, Holt and Walker have had over a years experience in core drilling. They along with a competent geologist will supervise all exploration work.

6. Total estimated cost of project is $34,750.00

(a) All work to be performed by independent contract.

10,000 feet of drilling at $3.00 per foot (includes both core and plug drilling)	$30,000.00
100 hours of bulldozer work at $12.00 per hr.	1,200.00
(b) Salaries of our general managers at $300.00 each per month for supervisory work for an estimated 60 days	1,200.00
Fees paid a geological consultant estimated from accompanying geologic letter and report	2,000.00
(g) Analytical and Assay work estimated as follows: 2 samples taken from 50 holes of a 200 foot depth at $3.50 per sample	350.00

7. (a) Yes, we can furnish our 25% of the cost of the proposed project

(b) Money; we are prepared to contribute our part of the cost of the proposed project with cash to be obtained by loans from the stockholders to the company

GENERAL COMMENTS: Gruver Uranium Exploration, Inc. is a small closed corporation with only 10 stockholders. These stockholders are local business men, farmers and ranchers. The corporation was formed for or intended to be a promotional or speculative venture. It has and will continue to be conducted on a sound business basis. We sincerely believe the uranium mining claims we own and control warrant a reasonable amount of expenditures to determine their potential. Our purpose in seeking government aid is to help carry out the necessay exploration work.

Not

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GRUVER URANIUM EXPLORATION, INC.
Gruver, Texas

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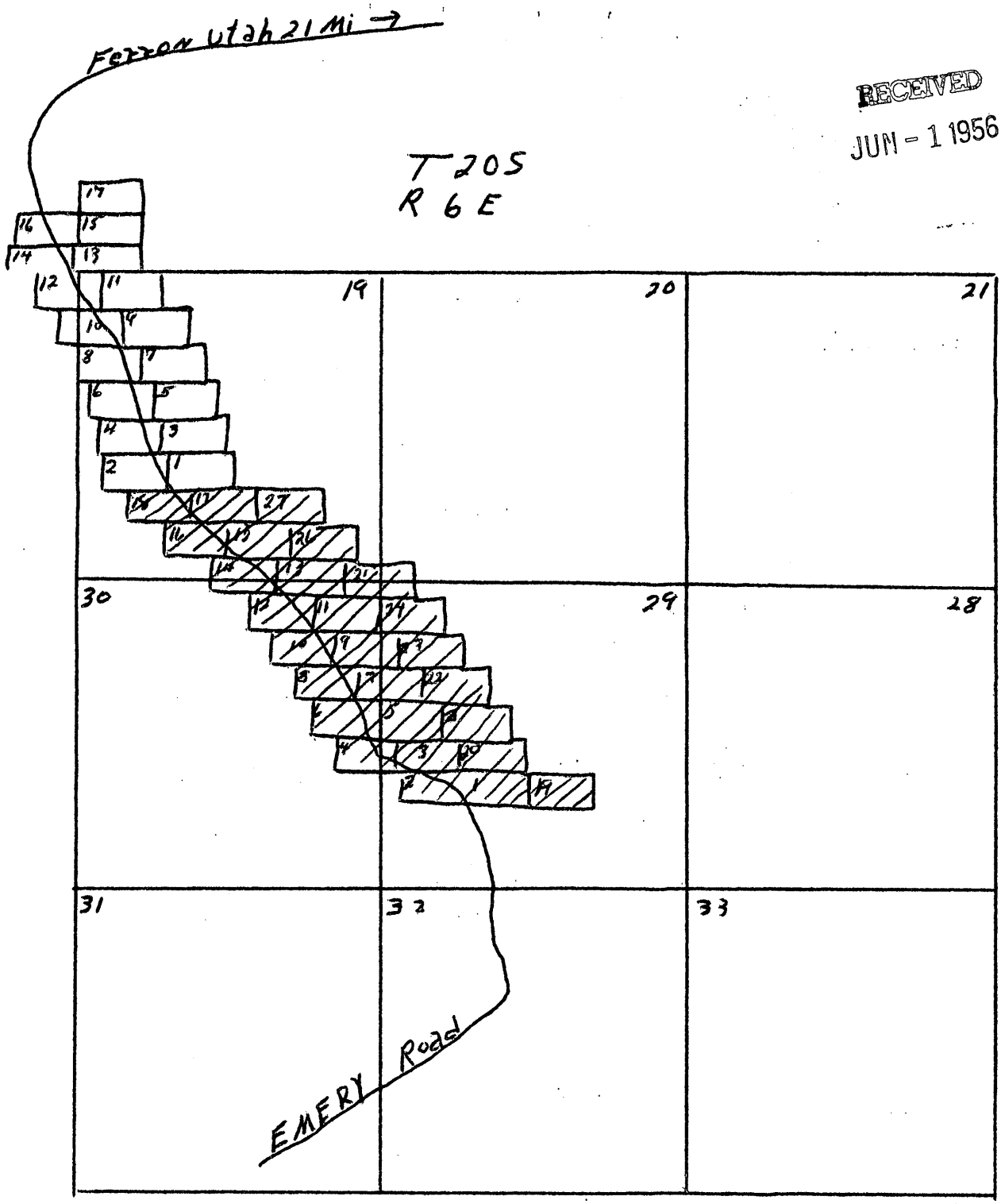
JUN - 1 1956



Headache claims
1 through 27

Sage claims
1 through 17

GRUVER URANIUM EXPLORATION, INC.
Gruver, Texas

The following is applicable to question 3 (a) and (f) on page 1 of Instructions.

Data respecting certain unpatented mining claims located in Emery County Utah, of Which Gruver Uranium Exploration, Inc. is owner.

CLAIM NAME	ENTRY NO.	DATE OF ENTRY	RECORDED	BOOK & PAGE
Headache #23	143705	April 29, 1956	May 3, 1956	J-111, 440
Headache #24	143706	April 29, 1956	May 3, 1956	J-111, 441
Headache #25	143707	April 29, 1956	May 3, 1956	J-111, 442
Headache #26	143708	April 29, 1956	May 3, 1956	J-111, 443
Headache #27	143709	April 29, 1956	May 3, 1956	J-111, 444
Sage # 1	143710	April 29, 1956	May 3, 1956	J-111, 445
Sage # 2	143711	April 29, 1956	May 3, 1956	J-111, 446
Sage # 3	143712	April 29, 1956	May 3, 1956	J-111, 447
Sage # 4	143713	April 29, 1956	May 3, 1956	J-111, 448
Sage # 5	143714	April 29, 1956	May 3, 1956	J-111, 449
Sage # 6	143715	April 29, 1956	May 3, 1956	J-111, 450
Sage # 7	143716	April 29, 1956	May 3, 1956	J-111, 451
Sage # 8	143717	April 29, 1956	May 3, 1956	J-111, 452
Sage # 9	143718	April 29, 1956	May 3, 1956	J-111, 453
Sage #10	143719	April 29, 1956	May 3, 1956	J-111, 454
Sage #11	143720	April 29, 1956	May 3, 1956	J-111, 455
Sage #12	143721	April 29, 1956	May 3, 1956	J-111, 456
Sage #13	143722	April 29, 1956	May 3, 1956	J-111, 457
Sage #14	143723	April 29, 1956	May 3, 1956	J-111, 458
Sage #15	143724	April 29, 1956	May 3, 1956	J-111, 459
Sage #16	143725	April 29, 1956	May 3, 1956	J-111, 460
Sage #17	143726	April 29, 1956	May 3, 1956	J-111, 461

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R. R. CASTO | P. M. CRISMON | ORRIN FISHER | HAROLD E. CULVER

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

PHONE 3-7417 | P. O. BOX 1708

REPORT OF ASSAY

SALT LAKE CITY, UTAH April 20, 1956

Gruver Uranium

WE HAVE ASSAYED YOUR one SAMPLES AND FIND it TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	PERCENT URANIUM OXIDE (U_3O_8)	PERCENT VANADIUM OXIDE (V_2O_5)			
		0.825				

REMARKS:

CHARGES $ 5.00 Paid

CRISMON & NICHOLS

Please Return

GRUVER URANIUM EXPLORATION CO.

HATFIELD & ENYART
GEOLOGISTS

KENNETH G. HATFIELD
EUGENE A. ENYART

837 ADAMS STREET, NE
ALBUQUERQUE, NEW MEXICO

PHONE 6-5844
OR PHONE 6-6721

April 21, 1956

GEOLOGIC REPORT ON A GROUP OF FIFTY UNPATENTED MINING CLAIMS WEST OF FERRON, UTAH

Introduction:

An examination was made in early November, 1955 to determine the uranium potential of a group of fifty unpatented mining claims west of Ferron, Utah. Little time was available for the large area involved, so that a detailed examination was not possible, but points of interest as selected by the owners were studied along with other spots to help complete the picture. Most of the work was done in the southeast part of the group. Conclusions and recommendations follow the brief description below. An oral report was given on the ground to Messrs. Holt and Walker, during the course of which several points were shown them and marked for further consideration. An approximate verbal description of the area must suffice until mapping is done.

This report is a supplemented version of a report made November 7, 1955.

Location:

The claims are situated in Section 19, Township 20 South, Range 6 East, Emery County, Utah and Sections 13 and 24, Township 20 South, Range 5 East, San Pete County. They are situated on a high mesa on the west flank of the San Rafael Swell. They are about 9 miles west of Ferron, Utah, and accessible by county and forest road.

Description of Group:

The claims are situated on a high mesa capped with the mudstones and siltstones of the North Horn Formation of early Tertiary age, with remnants of the overlying Flagstaff Formation standing as small isolated buttes made up of alternating layers of limy mudstones and muddy limestone, etc. The limes are considered a poor hostrock owing to their density, although minor radioactivity was noted in two separate black limestones.

Approximately 150 feet below the base of a prominent Flagstaff butte in the norteastern edge of the group, several large pieces of "float" limy siltstone were noted. Other pieces of this float material were found in several places at lower elevations and in two instances were judged to be ore grade from their radioactivity. The rock is not present in the Flagstaff butte examined, hence it is assumed to be within 150 feet below the base although it was not found in place.

At a lower elevation and southeast of this butte, numerous radioactive pellets up to fist size are found on the surface. A hypothesis of the origin of these pellets is difficult to form owing to the fine amorphous nature of the material. There is some evidence indicating that some of them originated in a fault zone.

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Several shallow treches were dug in an attempt to determine whether they might be found in the mudstone on the surface of which they occur in profusion, but none were found in place. Several pellets contained fragments of foreign material. One appeared to be of a brecciated nature and included fragments of a quartzite, a muddy limestone and one fragment of what was identified as probably the above mentioned radioactive limy siltstone.

Study of a thin-section cut from one of the pellets indicates they are sedimentary or at least formed by the action of cold waters. Most of the material is an amorphous variety of brown-gray stained silica. This has been penetrated by veinlets of calcite. The radioactivity is probably due to uraninite in the veinlets. Assays of the pellets show them generally to be of ore grade and up to .50% U308.

Two northerly trending, down to the west faults were noted in the area of the radioactive pellets, and one intersecting westerly trending, down to the south fault. An intersection was pointed out to Mr. Holt and marked for possible future drilling. The beds in general dip a few degrees to the north-northwest, but dip steeply into the faults. The northerly trending faults are part of the system of faults found in this general area on the west flank of the Swell to the east. Additional similar faults can be expected on the claims.

The origin and mechanics of deposition of uranium in the vicinity of these claims has not been determined. Cold water seems to have been the carrier. The faults and abundant fractures are the most probable loci of solution movement, and of deposition, the latter especially at intersections. The fact that there has been considerable uranium mineralization in the area is shown by: the radioactive pellets, siltstone, limestone and bones on the claims, the first two being of ore grade, and ore grade bones off the claims to the north in the same strata. (Underlying the Flagstaff.)

For a working hypothesis, one might say that the ore, if there is any, is to be found in fault zones, especially at intersections, and in the limy siltstone most probably close to a fault or where it is warped otherwise.

Conclusions:

There is no history of this type of occurrence that this author knows of to work from. There are commercial deposits in fault zones and in limestones. Here there is known ore grade material and its plentifulness on the surface strongly suggests that there is a commercial quantity somwhere in the immediate vicinity. The size of such a body can only be guessed at. It seems prudent in view of the absense of what is known to be a good host rock to anticipate a small ore body and govern exploration expenditure accordingly.

Eee

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HATFIELD & ENYART
GEOLOGISTS

KENNETH G. HATFIELD
EUGENE A. ENYART

837 ADAMS STREET, NE
ALBUQUERQUE, NEW MEXICO

PHONE 6-8644
Or PHONE 6-6721

April 21, 1956

Gruver Uranium Exploration, Inc.
Gruver, Texas

Gentlemen:

You have requested an estimate of the cost of the geologic work in connection with the proposed exploration of your uranium prospect west of Ferron, Utah. Assuming that approximately 10,000 feet of drilling would be done with nearly constant supervision by a geologist hired for that particular job, the cost would be between $1000 and $2000 depending on how many drills were employed. Using two drills would save money.

Yours truly,

E A Enyart

E. A. Enyart, Geologist

Please Return

Recommendations:

It is recommended that additional study be given the area. Drilling should be done in the areas of intersections of faults particularly, and generally on a grid which would space holes 200 feet apart on east-west lines and 200 feet apart on intersecting lines bearing N30°W or N30°E. This would cover an area roughly 1200 by 1600 feet and would include about 60 holes of depth ranging from 200 feet in the west portion to 50 feet deep in the east portion. Totaling 7000 feet of drilling. Another 2000-3000 feet might be expected to be necessary on closer spacing in areas where it seems warranted from the results of the exploratory drilling. The shape of the rectangular area could be distorted to include the area immediately west and north of the spot where the radioactive bones are found, This would also be the extreme south limit. The eastern limit would be along the zone of outcropping mudstones where the pellets are found. The west limit would be on the plain to the southeast of the Flagstaff outcrop, where the surface of the plain breaks and the slope down to the east commences.

In short, the drilling would be done to the west of and upslope from where the radioactive pellets and bones are found.

Yours truly,

E. A. Enyart, Geologist

PROSPECT 3411

FORM 50

H copy

SMITH-EMERY COMPANY

ESTABLISHED 1910

CHEMISTS - ENGINEERS

METALLURGICAL AND TESTING ENGINEERS

781 EAST WASHINGTON BOULEVARD

LOS ANGELES 21

CALIFORNIA

LABORATORY

No. 418532

Date May 4, 1956

Sample Rock

Received 5-1-56

Marked "Gruver Uranium #1"

Submitted by Hunter Drug Company,
Castle Dale,
Utah

REPORT OF QUALITATIVE SPECTROGRAPHIC EXAMINATION

Element	*Approximate Quantity*
Calcium, Phosphorus	Major Constituents.
Iron	Intermediate Constituent.
Minor Constituents	
Silicon	1%
Aluminum	0.5%
Barium	0.5%
Sodium	0.5%
Magnesium	0.1%
Copper	0.05%
Manganese	0.05%
Titanium	0.05%
Strontium	0.05%
Lead	0.01%
Zirconium	0.01%
Nickel	0.005%
Boron	0.001%
Chromium	0.001%
Rare Earths	Present
Uranium	Present
Cobalt	Trace
Tungsten	None found

Respectfully submitted,

Smith-Emery Co.

CHEMISTS AND ENGINEERS

All reports are submitted as the confidential property of clients. Authorization for publication of our reports, conclusions, or extracts from or regarding them is reserved pending our written approval as a mutual protection to clients, the public and ourselves.

(See statements on reverse side regarding qualitative spectrographic examination)

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GRUVER URANIUM EXPLORATION, INC.

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JUN - 2 1956

SUBSTITUTED AGREEMENT

WHEREAS, the parties hereinafter named entered into an agreement respecting certain mining claims located in Emery County, Utah, on the 24th day of October, 1955, which agreement appears of record in Book J-109 at page 349, records of Emery County, Utah, and

WHEREAS, the parties thereto are now desirous of changing said agreement in some particulars, it being mutually agreeable to all parties concerned,

NOW THEREFORE, this Substituted Agreement, which is intended to and does supercede in all particulars the agreement heretofore and hereinabove mentioned, made and entered into this 22 day of May, 1956, by and between J. K. NIELSON, H. S. NIELSON, IVAN NIELSON and CARL E. NIELSON of Ferron, Emery County, State of Utah, hereinafter referred to as Parties of the First Part, and GRUVER URANIUM EXPLORATION INC., a Texas Corporation, duly licensed to do business in the State of Utah, hereinafter referred to as Party of the Second Part, WITNESSETH:

That Parties of the First Part are the owner and locators of the following described lode mining claims situated and recorded in Emery County, State of Utah, to-wit:

CLAIM NAME	LOCATED	RECORDED	BOOK & PAGE
Headache #2	October 16, 1955	October 25, 1955	J-109, 200
Headache #4	October 16, 1955	October 25, 1955	J-109, 201
Headache #6	October 16, 1955	October 25, 1955	J-109, 202
Headache #8	October 16, 1955	October 25, 1955	J-109, 203
Headache #10	October 16, 1955	October 25, 1955	J-109, 204
Headache #12	October 16, 1955	October 25, 1955	J-109, 205
Headache #14	October 16, 1955	October 25, 1955	J-109, 206
Headache #16	October 16, 1955	October 25, 1955	J-109, 207
Headache #18	October 16, 1955	October 25, 1955	J-109, 208

Parties of the First Part agree to transfer and assign to Party of the Second Part or his assignees an undivided one-half interest in the above described claims upon the completion of 2000 feet of drilling, or the discovery of a commercial ore body. All the above described drilling shall be applied and constitute assessment work on these claims.

Party of the Second Part agrees todrill the above described footage in a workmanlike manner and to use due diligence in carrying on his work. Party of the Second Part agrees to take such cores and do such probing as he may see fit for the testing of Uranium and other

minerals and to have such assaying done as good drilling practice requires. Parties of the First Part to be furnished with assay information and ore samples as requires.

It is mutually understood and agreed by and between the parties hereto that the Party of the Second Part plans to do exploration work for the discovery of uranium and other ores, on the claims hereinabove mentioned, and that it may make application for an exploration loan from the United States Government to explore for uranium and other ores from the premises mentioned above. Parties of the First Part agree to subordinate their rights to the returns from ores discovered by the exploration work done with funds from said Government loan to the extent of permitting a payment of5% royalty on said returns to repay said loan. It is specifically understood that the provisions of this paragraph as set forth above are to apply only to the ores discovered as a result of work done by the use of funds provided by said Government loan and in no event to extend for a period longer than ten years.

It is further mutaully understood and agreed that the Party of the Second Part shall be solely responsible for the repayment of any Government loan obtained as above provided, and that the 5% royalty herein referred to shall in no way diminish the equitable interests of the parties of the First Part.

In the event the Party of the Second Part is unable to complete the above described work he may file a release of this contract in Emery County, Utah, and the recording of a release of this contract will constitute liquidation of all claims or damage hereinbefore are hereinafter incurred.

PARTIES OF THE FIRST PART

J. N. Nielson

N. S. Nilson

Joan Nilson

Joan S. Nilson

GRUVER URANIUM EXPLORATION, INC.
PARTY OF THE SECOND PART

By O. M. Walker
Director

Harry R. Hart
Director

STATE OF UTAH)
)ss
COUNTY OF EMERY)

On the 22 Day of May, 1956, personally appeared before me J. K. Nielson, H. S. Nielson, Ivan Nielson, and Carl E. Nielson, four of the signers of the above instrument, who duly acknowledged to me that they executed the same.

Leon P Rugh
Notary Public
Residing at Ferron, Utah

My Commission Expires:
Aug - 8 - 1956

STATE OF ~~XXXXX~~ TEXAS)
COUNTY OF ~~XXXXXX~~ HANSFORD)ss

On the 25 day of May, 1956, personally appeared before me O. V. Walker Jr., and Harvey Holt, who being by me duly sworn, did say that they are Directors of Gruver Uranium Exploration, Inc., and that said instrument was signed in behalf of said corporation by authority of its Board of Directors, and said O. V. Walker Jr., and Harvey Holt acknowledged to me that said corporation executed the same.

R. L. Thom
Notary Public, Hansford County, Texas
~~Residing at Ferron, Utah~~

My Commission Expires:
June 1, 1957