700

FILE COPY
Surname:
Murphy
Gilbert
Kilgore
Hollabaugh

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

JAN 27 1956

Mr. J. H. Imig
Secretary-Treasurer
Urova Company
620 South Saddle Creek Road
Omaha, Nebraska

Re: Docket No. DMEA-3891 (Uranium)
Capaline No. 1 and Bunny Jim Claims
Custer County, South Dakota

Dear Mr. Imig:

Reference is made to your application for Government aid in an exploration project on the above-named claims.

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 minor radioactivity anomalies on your property, indicates to us that the probability of disclosing significant ore reserves is not sufficiently promising to warrant Government participation in an exploration program. We regret to advise you, under these circumstances, that your application for exploration assistance is denied. However, this denial is made without prejudice. If future work on your part discloses evidence which could materially alter this opinion, be assured we will 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,

G. O. Mitchell

Administrator

FMMurphy/izm 1-26-56
cc to: Docket
Code 700
Admr.'s Reading File
Mr. Murphy
Operating Committee
DMEA Field Team, Region III (2)
Messrs. JECrawford, 3641; THKiilsgaard, 5224; JOHosted, 3210, GSA

RCH

Docket Copy
700
Murphy
Ellis

January 26, 1956

Summary of Proposed Project

Object: Denial of application for exploration aid.

Docket No.: DMEA-3891

Commodity: Uranium

Applicant: Urova Company, a Nebraska Corporation
620 South Saddle Creek Road
Omaha, Nebraska

Property: Owner of Capuline No. 1 and Bunny Jim No. 2 claims situated in Secs. 9 and 10, T. 6 S., R. 1 E., Custer County, South Dakota.

Date of Application: June 12, 1955

Washington requested additional information in various letters. Information received December 1, 1955.

Referred to Field Team: December 23, 1955

Field Team Report Recd.: January 19, 1956 (no field examination deemed necessary).

Amount of Application: $7,630.00

Work Proposed and Costs:

Drill 5 rows of 14 holes on each claim. The average depth of the holes is estimated at 50 feet.

Total drilling; 7,000 feet @ $1.09/ft
(140 holes, 50 ft. deep).

Excerpts from Field Team Report:

The area is underlain by sediments of the Inyan Kara group which in the Edgemont area contains the bulk of the known uranium ore deposits. Although some ore has been found in the Fusion shale and Lakota sandstone members of the Inyan Kara group, the most productive member in the vicinity of the subject claims has been the Fall River sandstone (top member), the lower 50 feet of which may contain significant ore deposits.

Based on available geologic data, it is concluded that the basal 20 or 25 feet of the Fall River sandstone forms the capping of the three knobs along the western border of the Capuline No. 1 claim. (Note: Proposed work on Bunny Jim claim withdrawn by Applicant's geologist as no radioactive areas exist). The remainder of the claim is probably underlain by Fusion shale and Lakota sandstone.

The Field Team and field examiners recommend that the subject application be denied without prejudice. In part, their reasons for this action are as follows:

(1) The Applicant has presented no factual data to justify the proposed work or any modification of it;

(2) Uranium minerals, even in minor amounts, have not been noted in natural exposures on the claims or in the bulldozer cut excavated by the Applicant in the most favorable area on the west side of Capuline No. 1;

(3) Radioactivity anomalies are common in the claim area. The fact that eU_3O_8 in samples taken from the area is often appreciably higher than the actual U_3O_8 content suggests that the low broad anomalies, described by the Applicant, are not significant guides to uranium ore bodies on the claims.

The Field Team's report concludes that a new application should receive consideration, providing the Applicant does work to relate the radioactivity anomalies to the presence of ore grade material on the claims.

Commodity Members' Comments:

U. S. Bureau of Mines - James Paone, January 24, 1956:

The Field Team recommends the application be denied without prejudice and without a field examination because factual data relating to the subject claims indicate that exploration of the property is not justified at this time. Concurs in this recommendation.

U. S. Geological Survey - N. E. Nelson, January 24, 1956:

Concurs in the Field Team's recommendation and lists more or less the reasons outlined under excerpts from the "Field Team Report."

Rare & Miscellaneous Metals Division - F. M. Murphy, January 26, 1956:

This Division concurs in the Field Team's recommendation to deny the subject application without prejudice. However, judging from

the geologic data available, it does not appear that significant uranium ore bodies will be found in the uneroded remnants of the Fall River sandstone which exist on the subject property.

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

1-25-56

IN REPLY REFER TO:

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

RECEIVED
JAN 24 1956

January 24, 1956

Re: DMEA 3891
Urova Company
Capuline No. 1 and
Bunny Jim claims
Custer County, South Dakota
Uranium

Memorandum

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

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

Subject: Review of Field Team report.

The applicant requested assistance in exploring, by drilling, property which it was claimed showed broad anomalous radioactivity. The proposal was not supported by technical data and the applicant was asked to furnish more data. A geological report was supplied.

The report failed to check some of the findings set out in the application, but justified part of the proposed work. However, the data were deemed inadequate and acquaintance with the area enabled the field office to form an opinion concerning the probable potential of the ground without an examination. The conclusions, in substance, are:--

1) The applicant has presented no factual data to substantiate his belief that the proposed exploration program, or any modification of it, will lead to the discovery of significant deposits of uranium ore.

2) No uranium minerals have been found.

3) The low broad anomalies described in the geological report (Beasley) are not necessarily guides to significant uranium ore bodies.

4) Work under two other contracts in the area, " . . . has shown the fallacy of authorizing exploration projects on the presence of radioactivity anomalies, without supplemental geologic data to explain the origin of the anomalies."

5) The facts supplied by the geological report do not justify the proposed work.

Summing up, the Field Team recommends that the application be denied without prejudice.

I concur with the well-supported recommendation.

N. E. Nelson

N. E. Nelson

IN REPLY REFER TO:

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

RECEIVED
JAN 24 1956

January 24, 1956

Re: DMEA 3891
Brown Company
Capuline No. 1 and
Bunny Jim claims
Custer County, South Dakota
Uranium

Memorandum

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

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

Subject: Review of Field Team report.

The applicant requested assistance in exploring, by drilling, property which it was claimed showed broad anomalous radioactivity. The proposal was not supported by technical data and the applicant was asked to furnish more data. A geological report was supplied.

The report failed to check some of the findings set out in the application, but justified part of the proposed work. However, the data were deemed inadequate and acquaintance with the area enabled the field office to form an opinion concerning the probable potential of the ground without an examination. The conclusions, in substance, are:--

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2) No uranium minerals have been found.

3) The low broad anomalies described in the geological report (Beasley) are not necessarily guides to significant uranium ore bodies.

4) Work under two other contracts in the area, " . . . has shown the fallacy of authorizing exploration projects on the presence of radioactivity anomalies, without supplemental geologic data to explain the origin of the anomalies."

5) The facts supplied by the geological report do not justify the proposed work.

Summing up, the Field Team recommends that the application be denied without prejudice.

I concur with the well-supported recommendation.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-1/24/56

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.

RECEIVED
JAN 24 1956

January 24, 1956

Re: DMEA 3691
Urova Company
Capuline No. 1 and
Bunny Jim claims
Custer County, South Dakota
Uranium

Memorandum

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

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

Subject: Review of Field Team report.

The applicant requested assistance in exploring, by drilling, property which it was claimed showed broad anomalous radioactivity. The proposal was not supported by technical data and the applicant was asked to furnish more data. A geological report was supplied.

The report failed to check some of the findings set out in the application, but justified part of the proposed work. However, the data were deemed inadequate and acquaintance with the area enabled the field office to form an opinion concerning the probable potential of the ground without an examination. The conclusions, in substance, are:--

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2) No uranium minerals have been found.

3) The low broad anomalies described in the geological report (Beasley) are not necessarily guides to significant uranium ore bodies.

4) Work under two other contracts in the area, " . . . has shown the fallacy of authorizing exploration projects on the presence of radioactivity anomalies, without supplemental geologic data to explain the origin of the anomalies."

5) The facts supplied by the geological report do not justify the proposed work.

Summing up, the Field Team recommends that the application be denied without prejudice.

I concur with the well-supported recommendation.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-1/24/56

cc: Director's reading, 4212
Branch reading, 4212
NEEA (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.

RECEIVED
JAN 24 1956

January 24, 1956

Re: DMEA 3891
Nevada Company
Cupaline No. 1 and
Bunny Jim claims
Custer County, South Dakota
Uranium

Memorandum

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

From: H. E. Malan, U. S. Geological Survey

Subject: Review of Field Team report.

The applicant requested assistance in exploring, by drilling, property which it was claimed showed broad anomalous radioactivity. The proposal was not supported by technical data and the applicant was asked to furnish more data. A geological report was supplied.

The report failed to check some of the findings set out in the application, but justified part of the proposed work. However, the data were deemed inadequate and acquaintance with the area enabled the field office to form an opinion concerning the probable potential of the ground without an examination. The conclusions, in substance, are:--

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4) Work under two other contracts in the area, " . . . has shown the fallacy of authorizing exploration projects on the presence of radioactivity anomalies, without supplemental geologic data to explain the origin of the anomalies."

5) The facts supplied by the geological report do not justify the proposed work.

Summing up, the Field Team recommends that the application be denied without prejudice.

I concur with the well-supported recommendation.

W. E. Nelson

W. E. Nelson

WENelson:iml
G-1/24/56

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

1-25-56 ofm

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

RECEIVED
JAN 25 1956

January 24, 1956

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

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

Subject: Docket DMEA 3891 (Uranium), Urova Company, Capuline No. 1 and Bunny Jim claims, Custer County, South Dakota

I have studied the field team review of Docket No. 3891, dated January 16 and received in this office on January 24. I have also discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The Urova Company applied on June 21, 1955, for DMEA assistance in exploring for uranium on the Capuline No. 1 and the Bunny Jim claims, Custer County, S. Dak. The proposed exploration project includes 140 drill holes, averaging 50 feet in depth and located on a 100-foot grid pattern. In a letter of July 15, 1955, the applicant was requested to furnish certain additional information to supplement the original request.

The additional information subsequently submitted by the applicant indicated that significant radiometric anomalies are lacking on the Bunny Jim claim and only broad, low radiometric anomalies were found on the Capuline No. 1 claims.

The field team, upon review of the subject application, recommend that the application be denied without prejudice and without a field examination because factual data relative to the subject claims and the area indicate that exploration of the property is not justified at this time.

We concur in the recommendation of the members of the Field Team in denial of the application.

James Paone
James Paone

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

RECEIVED
JAN 25 1956

January 24, 1956

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

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

Subject: Docket DMEA 3891 (Uranium), Urova Company, Capuline No. 1 and Bunny Jim claims, Custer County, South Dakota

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The field team, upon review of the subject application, recommend that the application be denied without prejudice and without a field examination because factual data relative to the subject claims and the area indicate that exploration of the property is not justified at this time.

We concur in the recommendation of the members of the Field Team in denial of the application.

James Paone

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

RECEIVED
JAN 25 1956

January 24, 1956

Memorandum

To: Ernest William Kilis, DMEA Member
Uranium Commodity Committee, Room 4445

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

Subject: Docket DMEA 3891 (Uranium), Urova Company, Capaline No. 1 and Bunny Jim claims, Custer County, South Dakota

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The additional information subsequently submitted by the applicant indicated that significant radiometric anomalies are lacking on the Bunny Jim claim and only broad, low radiometric anomalies were found on the Capaline No. 1 claims.

The field team, upon review of the subject application, recommend that the application be denied without prejudice and without a field examination because factual data relative to the subject claims and the area indicate that exploration of the property is not justified at this time.

We concur in the recommendation of the members of the Field Team in denial of the application.

James Paone

1-23-56 dzm

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

RECEIVED
JAN 19 1956

January 16, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Chairman, Operating Committee, DMEA

From: Field Team, Region III

Subject: Docket DMEA 3891 (Uranium), Urova Company, Capuline No. 1 and Bunny Jim claims, Custer County, South Dakota Recommendation for denial without prejudice and without a field examination

Attached are the original and three copies of a review of the subject application by E. N. Harshman and John F. Shaw. They recommend that the application for exploration assistance be denied without prejudice and without a field examination. We concur in this recommendation.

DMEA Field Team, Region III

By W. M. Traver
Executive Officer

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
1-23-56
(date)

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED JAN 19 1956

DMEA Date Rec'd. JAN 16 1956

Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

BUREAU OF MINES
Denver, Colorado

January 12, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: E. N. Harshman
John F. Shaw

Subject: DMEA Docket 3891 (Uranium), Urova Company, Capuline No. 1 and Bunny Jim claims, Custer County, South Dakota

In an application, dated June 21, 1955, the applicant company proposes to explore for uranium on the subject claims by 140 drill holes, averaging 50 feet deep and located on a 100-foot grid pattern. Data were lacking to justify the proposed exploration, and in a letter of July 15, 1955, the applicant was requested to furnish certain additional information to supplement the original request.

On December 1, 1955, a geological report by Harvey F. Beasley, was received by DMEA. This report describes the known geological conditions on the Capuline No. 1 and Bunny Jim claims and recommends exploration only on the Capuline No. 1 claim.

The application was referred to the field on December 23, 1955, for investigation, a field examination if necessary, and recommendations.

Reviewed by
DMEA OPERATING COMMITTEE
1-23-56
(date)

The entire exploration program is based on the presence of radioactivity anomalies in the area. A radiometric survey of the Bunny Jim and Capuline No. 1 claims was made by Beasley, and the results are described in his report. He concludes that his survey failed to establish the presence of significant radiometric anomalies on the Bunny Jim claim and that exploration on that claim is not warranted. We agree with that recommendation and will therefore exclude that claim from further discussion. Beasley found broad, low radiometric anomalies on the Capuline No. 1 claim (fig. 1), as described in his report. He concludes that these anomalies should be explored.

The Urova application has been discussed with Norman Cupples and his co-workers who are familiar with the area; much of the following discussion is based on data supplied by them.

The geologic setting as described by Beasley is essentially correct. The area is underlain by sediments of the Inyan Kara group which in Edgemont area contain the bulk of the known uranium ore deposits. Although some ore has been found in the Fuson shale and Lakota sandstone members of the Inyan Kara group, the most productive member in the vicinity of the claims has been the Fall River sandstone (the top member), the lower 50 feet of which may contain significant ore deposits.

The sedimentary rocks, which have a dip of 8° to 10° south or southwest, have been somewhat broken and disturbed by faulting.

This faulting is probably related to or is a part of a northeasterly-trending major fault zone (the Dewey fault) which passes just north of the Capuline No. 1 claim.

Based on the projection of geologic data from mapped areas immediately east and west of the Capuline No. 1 claim, it is concluded that the basal 20 or 25 feet of the Fall River sandstone forms the capping on the three knobs along the western border of the claim (fig. 1). The remainder of the claim is probably underlain by Fuson shale and Lakota sandstone.

Radioactivity anomalies are common in the lower part of the Fall River sandstone in the Capuline No. 1 claim area, and an anomalous zone is generally present either at the base of the Fall River sandstone or the top of the Fuson shale. The basal anomalous zone is apparently assoicated with very minor amounts of radioactive minerals disseminated in shale.

Analyses of samples from the general area surrounding the Urova property indicate that the uranium in the deposits is not in equilibrium with its disintegration products, and that equivalent U_3O_8 analyses are appreciably higher than chemical analyses for U_3O_8.

For the following reasons we recommend that the application for exploration assistance be denied without prejudice and without a field examination:

1) The applicant has presented no factual data to substantiate his belief that the proposed exploration program, or any

modification of it, will lead to the discovery of significant deposits of uranium ore.

2) Uranium minerals, even in minor amounts, have not been noted in natural exposures on the claims or in the bulldozer cut excavated by the applicant in the most favorable area on the west side of the Capuline No. 1 claim.

3) Radioactivity anomalies are common in the claim area. The fact that eU_3O_8 in samples taken from the area is often appreciably higher than the actual U_3O_8 content suggests that the low, broad anomalies described in the Beasley report are not significant guides to uranium ore bodies on the claims.

4) Exploration in the area of the Urova property under DMEA Docket 3012, Contract Idm-E 555, and DMEA Docket 3054, Contract Idm-E 603, has shown the fallacy of authorizing exploration projects on the presence of radioactivity anomalies, without supplemental geologic data to explain the origin of the anomalies.

5) The applicant was requested to furnish additional data to justify his request for exploration assistance. In response to that request the Beasley report was prepared. We consider the report, and those geologists familiar with the area concur, to be a reasonably complete and accurate description of the known geological facts regarding the Capuline No. 1 claim area. These facts are, in our opinion, not sufficient to justify exploration of the property. We

doubt that a field examination would supplement the data contained in the application or supplied by Cupples and outlined in this memorandum.

Denial of the application without prejudice is recommended. In the event the applicant does work to relate the radioactivity anomalies to the presence of ore grade material on his claims, a new application for exploration assistance would receive appropriate action.

E. N. Harshman
E. N. Harshman
Member, Field Team

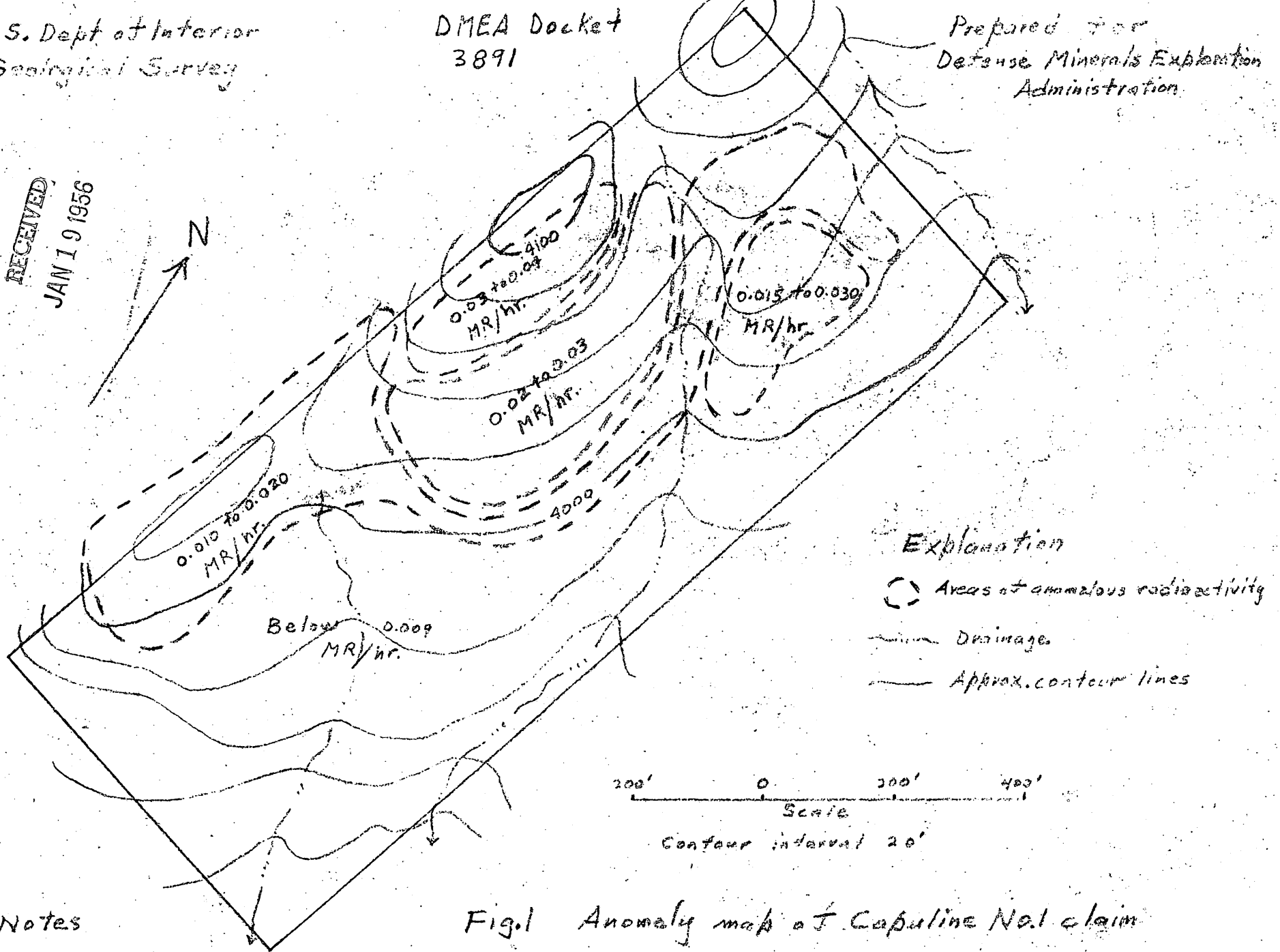
John F. Shaw
John F. Shaw
Supervising Mining Engineer

U.S. Dept of Interior
Geological Survey

DMEA Docket
3891

Prepared for
Defense Minerals Exploration
Administration

RECEIVED
JAN 19 1956



Notes

1) From maps in Beasley report submitted by applicant
2) Average background = 0.009 MR/hr.

Fig. 1 Anomaly map of Copuline No. 1 claim

E.N. Harshman Jan. 1956

1-20-56 dgm

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

RECEIVED JAN 19 1956

January 16, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Chairman, Operating Committee, DMEA

From: Field Team, Region III

Subject: Docket DMEA 3891 (Uranium), Urova Company, Capuline No. 1 and Bunny Jim claims, Custer County, South Dakota
Recommendation for denial without prejudice and without a field examination

Attached are the original and three copies of a review of the subject application by E. N. Harshman and John F. Shaw. They recommend that the application for exploration assistance be denied without prejudice and without a field examination. We concur in this recommendation.

DMEA Field Team, Region III

By W. M. Traver
Executive Officer

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
1-23-56
(date)

IN REPLY REFER TO:
DMEA
Date Rec'd.

RECEIVED
JAN 19 1956

JAN 16 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

BUREAU OF MINES
Denver, Colorado

January 12, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: E. N. Harshman
John F. Shaw

Subject: DMEA Docket 3891 (Uranium), Urova Company, Capuline No. 1 and Bunny Jim claims, Custer County, South Dakota

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The application was referred to the field on December 23, 1955, for investigation, a field examination if necessary, and recommendations.

Reviewed by
DMEA OPERATING COMMITTEE
1-23-56
(date)

The entire exploration program is based on the presence of radioactivity anomalies in the area. A radiometric survey of the Bunny Jim and Capuline No. 1 claims was made by Beasley, and the results are described in his report. He concludes that his survey failed to establish the presence of significant radiometric anomalies on the Bunny Jim claim and that exploration on that claim is not warranted. We agree with that recommendation and will therefore exclude that claim from further discussion. Beasley found broad, low radiometric anomalies on the Capuline No. 1 claim (fig. 1), as described in his report. He concludes that these anomalies should be explored.

The Urova application has been discussed with Norman Cupples and his co-workers who are familiar with the area; much of the following discussion is based on data supplied by them.

The geologic setting as described by Beasley is essentially correct. The area is underlain by sediments of the Inyan Kara group which in Edgemont area contain the bulk of the known uranium ore deposits. Although some ore has been found in the Fuson shale and Lakota sandstone members of the Inyan Kara group, the most productive member in the vicinity of the claims has been the Fall River sandstone (the top member), the lower 50 feet of which may contain significant ore deposits.

The sedimentary rocks, which have a dip of 8° to 10° south or southwest, have been somewhat broken and disturbed by faulting.

This faulting is probably related to or is a part of a northeasterly-trending major fault zone (the Dewey fault) which passes just north of the Capuline No. 1 claim.

Based on the projection of geologic data from mapped areas immediately east and west of the Capuline No. 1 claim, it is concluded that the basal 20 or 25 feet of the Fall River sandstone forms the capping on the three knobs along the western border of the claim (fig. 1). The remainder of the claim is probably underlain by Fuson shale and Lakota sandstone.

Radioactivity anomalies are common in the lower part of the Fall River sandstone in the Capuline No. 1 claim area, and an anomalous zone is generally present either at the base of the Fall River sandstone or the top of the Fuson shale. The basal anomalous zone is apparently associated with very minor amounts of radioactive minerals disseminated in shale.

Analyses of samples from the general area surrounding the Urova property indicate that the uranium in the deposits is not in equilibrium with its disintegration products, and that equivalent U_3O_8 analyses are appreciably higher than chemical analyses for U_3O_8.

For the following reasons we recommend that the application for exploration assistance be denied without prejudice and without a field examination:

1) The applicant has presented no factual data to substantiate his belief that the proposed exploration program, or any

modification of it, will lead to the discovery of significant deposits of uranium ore.

2) Uranium minerals, even in minor amounts, have not been noted in natural exposures on the claims or in the bulldozer cut excavated by the applicant in the most favorable area on the west side of the Capuline No. 1 claim.

3) Radioactivity anomalies are common in the claim area. The fact that eU_3O_8 in samples taken from the area is often appreciably higher than the actual U_3O_8 content suggests that the low, broad anomalies described in the Beasley report are not significant guides to uranium ore bodies on the claims.

4) Exploration in the area of the Urova property under DMEA Docket 3012, Contract Idm-E 555, and DMEA Docket 3054, Contract Idm-E 603, has shown the fallacy of authorizing exploration projects on the presence of radioactivity anomalies, without supplemental geologic data to explain the origin of the anomalies.

5) The applicant was requested to furnish additional data to justify his request for exploration assistance. In response to that request the Beasley report was prepared. We consider the report, and those geologists familiar with the area concur, to be a reasonably complete and accurate description of the known geological facts regarding the Capuline No. 1 claim area. These facts are, in our opinion, not sufficient to justify exploration of the property. We

doubt that a field examination would supplement the data contained in the application or supplied by Cupples and outlined in this memorandum.

Denial of the application without prejudice is recommended. In the event the applicant does work to relate the radioactivity anomalies to the presence of ore grade material on his claims, a new application for exploration assistance would receive appropriate action.

E. N. Harshman
Member, Field Team

John F. Shaw
Supervising Mining Engineer

ENHarshman:mp

U.S. Dept of Interior
Geological Survey

DMEA Docket
3891

Prepared for
Defense Minerals Exploration
Administration

RECEIVED
JAN 19 1956

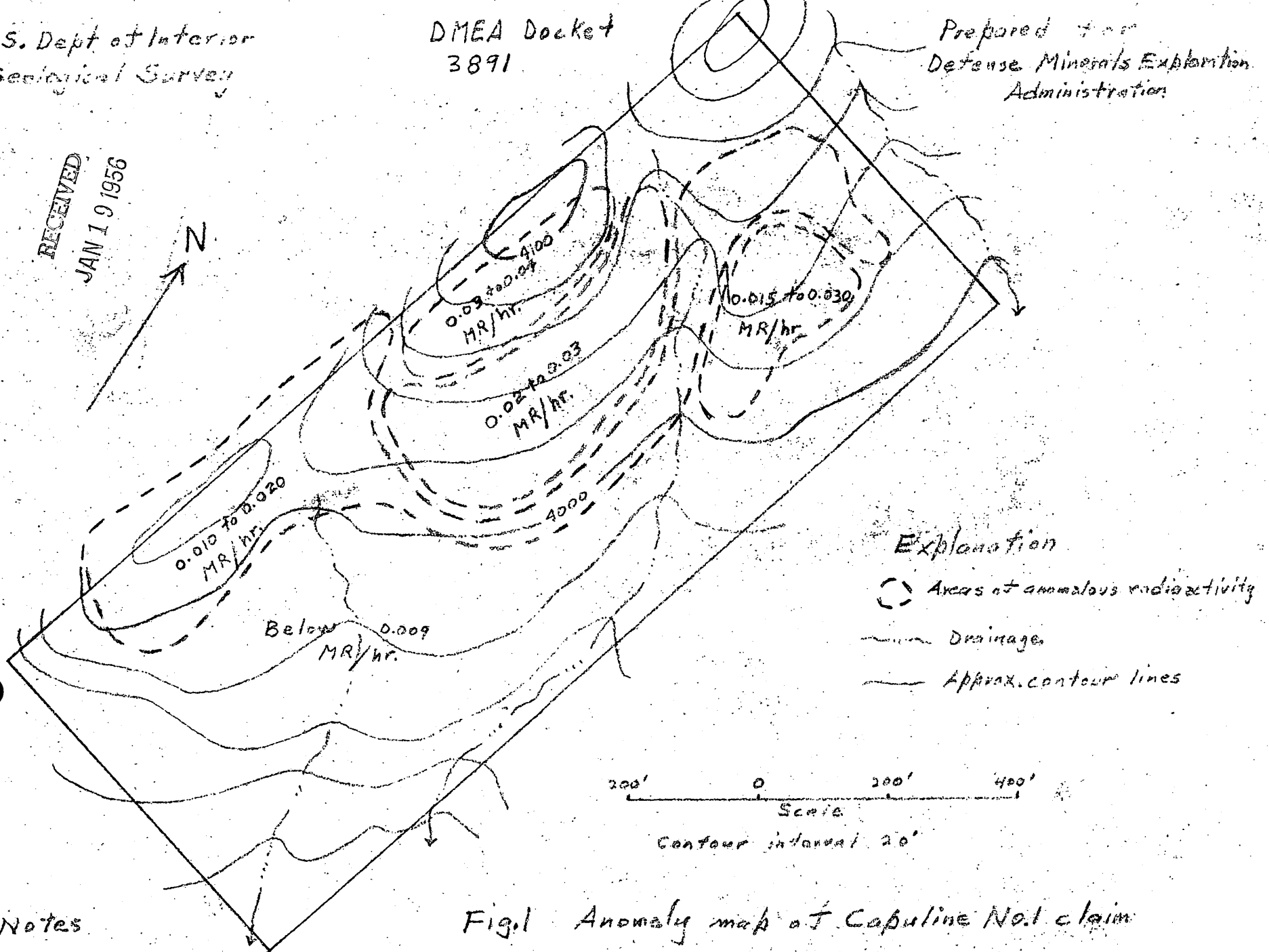

Fig. 1 Anomaly map of Capuline No. 1 claim

Notes
1) From maps in Beasley report submitted by applicant
2) Average background = 0.009 MR/hr.

E.N. Harshman Jan. 1956

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

224 New Customhouse
Denver 2, Colorado

December 27, 1955

Memorandum

To: E. N. Harshman
J. F. Shaw (with brochure)

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-3891 (Uranium), Urova Company, Capuline No. 1, and Bunny Jim claims, Custer County, South Dakota

Enclosed is the subject application in the amount of $7,638.00. Also enclosed is a copy of the Geological Report on the Capuline No. 1 and Bunny Jim.

Also enclosed is a copy of the letter from the Chairman, Operating Committee dated December 23, 1955 with attached memoranda of review of the application by the Uranium Commodity Committee.

A field examination and suitable report are requested.

J. W. Townsend

Enclosures
HMC:jy
cc: Docket
Sec. Op. Comm. (2)
Chron.

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

224 New Customhouse
Denver 2, Colorado

December 27, 1955

Memorandum

To: E. N. Harshman
J. F. Shaw (with brochure)

From: Acting Executive Officer, DMEA Field Team, Region III

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A field examination and suitable report are requested.

J. W. Townsend

Enclosures
HMC:jy
cc: Docket
Sec. Op. Comm. (2)
Chron.

DEC 30 1955
BUREAU OF MINES
Denver, Colorado

December 29, 1955

Memorandum

To: W. M. Traver, Executive Officer, DMEA Field Team, Reg. III

From: Acting Supt., Denver Experiment Station, Reg. III

Subject: Docket DMEA-3891 (Uranium), Urova Company, Capuline No. 1 and Bunny Jim claims, Custer County, South Dakota

The above brochure was received in this office on December 29, 1955.

A field examination will be made and report prepared by an engineer from the Denver office.

JOHN F. SHAW

John F. Shaw

cc: 2-w/orig.
E. N. Harshman
J. F. Shaw
Sec. Op. Com (2)

DMEA
File Rec'd
DEC 30 1955
BUREAU OF MINES
Denver, Colorado

December 29, 1955

Memorandum

To: W. M. Traver, Executive Officer, DMEA Field Team, Reg. III

From: Acting Supt., Denver Experiment Station, Reg. III

Subject: Docket DMEA-3891 (Uranium), Urova Company, Capulina No. 1 and Bunny Jim claims, Custer County, South Dakota

The above brochure was received in this office on December 29, 1955.

A field examination will be made and report prepared by an engineer from the Denver office.

JOHN F. SHAW

John F. Shaw

cc: 2-w/orig.
R. N. Marshman
J. F. Shaw

See Op. Com. (2)

Surname copy

700

Murphy
Ellis
Geehon
Kilgaard
Selfridge
Johnson

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

DEC 23 1955

Mr. J. H. Imig
Secretary-Treasurer
Urova Company
620 South Saddle Creek Road
Omaha, Nebraska

Re: Docket No. DMEA-3891 (Uranium)
Capuline No. 1, and Bunny Jim claims
Custer County, South Dakota

Dear Mr. Imig:

The application for assistance in exploring the subject claims in Custer County, South Dakota, 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 to the Executive Officer of Region III at the following address:

Mr. W. M. Traver
Executive Officer
DMEA Field Team, Region III
22h New Customhouse Building
Denver 2, Colorado

The Regional Office will contact you in regard to your project if additional information is required.

Sincerely yours,

C. O. Mittendorf

Administrator

FMMurphy/gla
12-20-55
cc to: Admr.'s Reading File
Docket
Code 700
Mr. Murphy
DMEA Field Team, Region III (2)

R.C.S.

Surname copy

700

Murphy
Ellis
Selfridge
FJZimmer

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

DEC 23 1955

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

Re: Docket No. DMEA-3891 (Uranium)
Brown Company
Capulina No. 1, and Danny Jim claims
Custer County, South Dakota

Dear Mr. Traver:

The captioned application is referred to Region III Field Team for investigation, a field examination if deemed advisable, and recommendation. A copy of the application was retained by your office.

Enclosed are copies of memoranda, dated December 9 and 16, 1955, by J. E. Crawford, USGS, and Thor H. Kiilsgaard, USGS, respectively, relating to the subject application. Also enclosed is one copy of a geological report recently submitted by the Applicant in response to Mr. Ching's request of July 15 for additional information.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Enclosures

APPROVED:

/s/ Robert W. Geehan
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

FTMurphy/gla
12-20-55
cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700
Mr. Murphy

R.G.S.

12/16/55 gla

IN REPLY REFER TO:

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

December 16, 1955

Memorandum

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

From: Thor H. Kiilsgaard, U. S. Geological Survey

Subject: Review of supplemental information submitted by the applicant (Urova Company, DMEA Docket 3891).

In response to your letter of July 15, 1955, the applicant has had a geologic report of the property prepared by a consulting geologist, copies of which have been submitted to DMEA. This brief report does little to strengthen the application, although it appears to have been prepared in good faith and as an earnest way of answering the questions raised in your letter.

On the basis of the consultant's report, there appears to be but little chance of making a significant discovery on the applicant's property. There is a weak radioactive anomaly on the Capuline No. 1 claim but the Bunny Jim claim apparently is inert.

As the applicant has complied with our request and has shown that part of his property has traces of radioactivity, weak though it is, I suggest that the application be referred to the field for their comments. The Field Team may have information in their files on this property that would preclude the need of a field examination. Indeed, they may recommend denial without making a field examination, but I do believe their comments should be obtained before a denial is issued from the Washington office.

Thor H. Kiilsgaard

Thor H. Kiilsgaard

IN REPLY REFER TO:

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

December 16, 1955

Memorandum

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

From: Thor N. Kiilsgaard, U. S. Geological Survey

Subject: Review of supplemental information submitted by the applicant (Grove Company, DMEA Docket 3891).

In response to your letter of July 15, 1955, the applicant has had a geologic report of the property prepared by a consulting geologist, copies of which have been submitted to DMEA. This brief report does little to strengthen the application, although it appears to have been prepared in good faith and as an earnest way of answering the questions raised in your letter.

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THKiilsgaard:iml
G-12/16/55
cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210

Thor N. Kiilsgaard

12/12/55 gla

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

RECEIVED
DEC 12 1955

December 9, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

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

Subject: Supplemental data provided by Urova Company, DMEA Docket 3891, Urova Company, Capuline No. 1 and Bunny Jim, Custer County, South Dakota

I have reviewed the attached supplemental data provided by Urova Company, DMEA Docket 3891, received in this office December 2. I have also discussed it with Jack Kratchman, Washington representative of the Atomic Energy Commission.

The data provided indicates that the Bunny Jim claim of the Urova Company does not warrant exploration drilling. The Capuline No. 1 claim was investigated and a radiometric survey was said to have delineated four areas of above-normal radioactivity.

We doubt that a radiometric survey provides sufficient information upon which to provide DMEA assistance. More information, such as descriptions and locations of mineralized zones on the subject claims and results of assays of sample material taken therefrom, would be required in order to fully evaluate the promise of an exploration program on the property of the Urova Company. Inasmuch as the DMEA has requested substantiating data, and have received only the attached, we suggest that the application be denied without prejudice.

John E Crawford
John E. Crawford

Attachment

12-1-55 [illegible]

RECEIVED
DEC 1955

November 28, 1955

RECEIVED
DEC - 1 1955

Mr. Ernest Wm. Ellis
Chief, Rare-Miscellaneous Metals Division
U. S. Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D.C.

Re: Docket No. DMEA-3891
(Uranium)
Capuline No. 1 and Bunny Jim
Custer County, South Dakota

Dear Mr. Elllis:

Enclosed please find four copies of report on the Capuline No. 1 and Bunny Jim Uranium Claims.

This report was prepared at the request of the Urova Company, 620 Saddle Creek Road, Omaha, Nebraska, to present further geologic data as requested by your letter of July 15, 1955, to the Urova Company.

Mr. J. H. Imig of said company advised me to forward the enclosed reports directly to your office to prevent any further delay.

Due to rather inclement weather the past two weeks, it was impossible to have the data in your hands by the 27th of November as promised by Mr. Imig.

Very truly yours,

Harvey F. Beasley

Harvey F. Beasley

HFB:hg
Encls.
4 Reports
cc-Urova Company

HONE
05

HARVEY F. BEASLEY
CONSULTING GEOLOGIST

P. O. BOX 86
CASPER, WYOMING

700

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

NOV 1 0 1955

Mr. J. H. Imig
Secretary-Treasurer
Urova Company
620 South Saddle Creek Road
Omaha, Nebraska

Re: Docket No. DMEA-3891 (Uranium)
Capuline No. 1, and Bunny Jim Claims
Custer County, South Dakota

Dear Mr. Imig:

This is to acknowledge your letter dated November 7, 1955, in which you state that the additional information we requested, will be forwarded to this office by November 27.

We will withhold action on the subject application pending receipt of these data.

Sincerely yours,

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

FMMurphy/izm
11-10-55
cc to: Admr.'s Reading File
Docket
Code 700
Mr. Murphy
DMEA Field Team, Region III (2)
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

Surname Copy

700

Murphy

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

NOV 1 0 1955

Mr. J. H. Imig
Secretary-Treasurer
Ureva Company
620 South Saddle Creek Road
Omaha, Nebraska

Re: Docket No. DMEA-3891 (Uranium)
Capuline No. 1, and Bunny Jim Claims
Custer County, South Dakota

Dear Mr. Imig:

This is to acknowledge your letter dated November 7, 1955, in which you state that the additional information we requested, will be forwarded to this office by November 27.

We will withhold action on the subject application pending receipt of these data.

Sincerely yours,

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

FMMurphy/izm
11-10-55
cc to: Admr.'s Reading File
Docket
Code 700
Mr. Murphy
DMEA Field Team, Region III (2)
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

R.C.K.

11-9-55 lgm

Omaha, Nebraska
November 7, 1955

RECEIVED
NOV - 9 1955

Mr. Ernest William Ellis, Chief
Rare and Miscellaneous Metals Division
Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D. C.

In re: Docket No. DMEA-3891 (Uranium)
Capuline No. 1 and Bunny Jim claims
Custer County, South Dakota

Dear Mr. Ellis:

In reply to your letter of October 27, 1955, we have secured the services of a consulting geologist, Mr. H. F. Beasley, Casper, Wyoming, and he advises that we will have the information you have requested so that we can submit it to your office by November 27.

Please be assured of our desire to cooperate.

Yours very truly,

UROVA CO.

J H Imig

By lg
J. H. Imig
Secretary-Treasurer
620 So. Saddle Creek Rd.
Omaha, Nebraska

JHI:lg

cc: Mr. W. R. Schaefer
Mr. C. R. Kennedy
Mr. H. F. Beasley

Docket
Surname copy 700

Murphy
Johnson

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

OCT 27 1955

Mr. J. H. Imig
Secretary-Treasurer
Brown Co.
620 South Saddle Creek Road
Omaha, Nebraska

Re: Docket No. DMEA-3891 (Uranium)
Copaline No. 1, and Bunny Jim claims
Custer County, South Dakota

Dear Mr. Imig:

Reference is made to our letter of July 15, 1955, which outlined certain information which is required to process your above-docketed application. In your letters of August 4 and 30 you indicated that arrangements were being made to assemble the required data, which would be forwarded in the very near future.

Inasmuch as we have received no further word from you, we assume that you no longer desire to proceed with the application. We wish to cooperate with you in the matter of allowing ample time, but if the needed data has not been received within thirty days from the date of this letter, we will then consider the docket closed.

Sincerely yours,

SIGNED

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

FMMurphy/gla
10-26-55
cc to: Admr.'s Reading File
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700
Mr. Murphy
DMEA Field Team, Region III (2)

R.C.G.

9/6/55 gla

RECEIVED
SEP - 2 1955

Omaha, Nebraska
August 30, 1955

Mr. Michael Ching
United States Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D. C.

In re: Docket No. DMEA-3891 (Uranium)
Capuline No. 1. and Bunny Jim claims
Custer County, South Dakota

Dear Sir:

With further reference to your letter of July 15, reference above, we are attempting to secure the services of the consulting geologist in order that we may, among other things, furnish the information requested in your letter.

Therefore we will appreciate it if you will hold our application in abeyance until we contact you again, which should be in the very near future.

Yours very truly,

UROVA CO.

By

Secretary-Treasurer
620 So. Saddle Creek Road
Omaha, Nebraska

JHI:rr

C.C.: Mr. C. R. Kennedy
Mr. W. R. Schaefer

8/8/55 gla

Omaha, Nebraska
August 4, 1955

Mr. Michael Ching
United States Department
of the Interior
Defense Minerals Exploration Administration
Washington 25, D.C.

In re: Docket No. DMEA-3891 (Uranium)
Capuline No. 1. and Bunny Jim
claims
Custer County, South Dakota

Dear Sir:

In reply to your letter of July 15, reference above, wish to advise that we will supply as much of the information requested in your letter as possible, within the very near future.

Yours very truly,

UROVA CO.

By

Secretary-Treasurer
620 So. Saddle Creek Road
Omaha, Nebraska

JHI:lg

CC: Mr. C. R. Kennedy
Mr. W. R. Schaefer

7/26/55 gla

IN REPLY REFER TO:

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

RECEIVED
JUL 26 1955

July 25, 1955

Memorandum

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

From: Thor H. Kiilsgaard, U. S. Geological Survey

Subject: Review of application, Urova Company, Custer County, South Dakota, DMEA Docket 3891.

The applicant proposes to wagon drill two claims, with 3,500 feet of drilling to be done on each claim. Cost of the project is estimated at $7,630.00.

It is stated in the application that no ore has been produced from the applicant's property, and it is implied that none has been found. It therefore seems that the proposed project is more on the order of prospecting than exploration.

I suggest the applicant be asked to present more evidence in the form of assays, maps, reports, etc., that there is uranium mineralization on the property, rather than the vague inference that uranium exists in the underlying Dakota sandstone as has been done. Unless some sort of confirming evidence can be produced that would justify the project it would be advisable to deny the application without referring it to the field for further review.

Thor H. Kiilsgaard

Thor H. Kiilsgaard

IN REPLY REFER TO:

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

RECEIVED
JUL 26 1955

July 25, 1955

Memorandum

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

From: Thor N. Kiilsgaard, U. S. Geological Survey

Subject: Review of application, Urova Company, Custer County, South Dakota, DMEA Docket 3891.

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Thor N. Kiilsgaard

TNKiilsgaard:iml
G-7/25/55

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.

RECEIVED
JUL 26 1955

July 25, 1955

Memorandum

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

From: Thor H. Kiilsgaard, U. S. Geological Survey

Subject: Review of application, Brown Company, Custer County, South Dakota, DMEA Docket 3891.

The applicant proposes to wagon drill two claims, with 3,500 feet of drilling to be done on each claim. Cost of the project is estimated at $7,630.00.

It is stated in the application that no ore has been produced from the applicant's property, and it is implied that none has been found. It therefore seems that the proposed project is more on the order of prospecting than exploration.

I suggest the applicant be asked to present more evidence in the form of assays, maps, reports, etc., that there is uranium mineralization on the property, rather than the vague inference that uranium exists in the underlying Dakota sandstone as has been done. Unless some sort of confirming evidence can be produced that would justify the project it would be advisable to deny the application without referring it to the field for further review.

Thor H. Kiilsgaard

THKiilsgaard:iml
G-7/25/55

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.

RECEIVED
JUL 26 1955

July 25, 1955

Memorandum

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

From: Thor H. Kiilsgaard, U. S. Geological Survey

Subject: Review of application, Uranva Company, Custer County, South Dakota, DMEA Docket 3891.

The applicant proposes to wagon drill two claims, with 3,500 feet of drilling to be done on each claim. Cost of the project is estimated at $7,630.00.

It is stated in the application that no ore has been produced from the applicant's property, and it is implied that none has been found. It therefore seems that the proposed project is more on the order of prospecting than exploration.

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Thor H. Kiilsgaard

THKiilsgaard:iml
G-7/25/55

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

Surname 700
Whipley
Ching

[redacted]

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

Brown Company
62[illegible] South Saddle Creek Road
Omaha, Nebraska

JUL 15 1955

Re: Docket No. DMEA-3891 (Uranium)
Capulins No. 1, and Bunny Jim
claims
Custer County, South Dakota

Gentlemen:

The captioned application for Federal assistance in an exploration project has been reviewed by this Division.

We note the proposed exploration work would consist of wagon-drilling a total of 110 holes, averaging 50 feet in depth, on a 100-foot grid pattern. However, no specific geologic data was presented to justify the drilling, the pattern, or the depth of these holes.

To assist us in determining the merits of your proposal we suggest that the following additional information, if available, be submitted to this office:

1. A topographic map or sketch showing elevations of the surface where the proposed drilling is to be done; also showing the following:

   (a) Contact lines of the exposed rock formations and structural features, such as folds, faults, etc.

   (b) Indicated or inferred favorable sedimentary and/or channel trends.

   (c) Location of any samples taken and assay results.

   (d) Tentative locations of the proposed drill holes.

2. A supporting narrative report containing the following:

   (a) Specific geologic data concerning the subject property, such as:

      (1) Exposures of rock formations and indicated bedding dip.

      (2) Comments on host rock and its favorability to mineralization, such as thickness of strata, color of sandstone and mudstone, evidence of mineralized trash, logs, etc.

RCG.

(3) Any other geologic information that will assist in determining the merits of the proposed exploration work.

We note that the map of Capuline No. 1 claim submitted shows one high and one low anomaly area. The radiometric values found in these areas should be indicated on the suggested map.

Will you kindly advise us if it is feasible to submit this additional information. If so, give the approximate date when we may expect to receive it. If such information is submitted, we will require four complete sets of the data.

Sincerely yours,

SIGNED

Michael Ching
For: Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

FMMurphy:am
7-15-55
cc to: Admr. Reading File
Docket
Messrs. J. E. Crawford, Rm. 3641
T. H. Killegaard, Rm. 5222
J. O. Hosted, Rm. 3210, GSA
Code 700
Mr. Murphy
DMEA Field Team, Region III(2)

7/12/55 gla

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

RECEIVED
JUL 1 3 1955

July 11, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: Bureau of Mines Member
Uranium Commodity Committee

Subject: Application for assistance, DMEA Docket 3891, Urova Company, Custer County, South Dakota

I have reviewed the attached application, Urova Company, DMEA Docket 3891; and I have discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

We recommend that the application be held in abeyance because of insufficient information. The applicant should submit information regarding geologic features of the property; mineralization; assays, if any; and any other evidence pertinent to this application.

John E. Crawford

Attachment

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

RECEIVED
JUL 12 1955

July 11, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: Bureau of Mines Member
Uranium Commodity Committee

Subject: Application for assistance, DMEA Docket 3891, Urova Company, Custer County, South Dakota

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John E. Crawford

Attachment

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

RECEIVED
JUL 12 1955

July 11, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: Bureau of Mines Member
Uranium Commodity Committee

Subject: Application for assistance, DMEA Docket 3891, Urova Company, Custer County, South Dakota

I have reviewed the attached application, Urova Company, DMEA Docket 3891; and I have discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

We recommend that the application be held in abeyance because of insufficient information. The applicant should submit information regarding geologic features of the property; mineralization; assays, if any; and any other evidence pertinent to this application.

John E. Crawford

Attachment

Urova Company
620 South Saddle Creek Road
Omaha, Nebraska

July 8, 1955
Subject: DMEA-3891
Re: Exploration Assistance
Capuline No. 1 &
Bunny Jim

Gentlemen:

The receipt of your application dated June 21, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3891 and referred to the Rare and Miscellaneous 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

July 8, 1955

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-3891 Urova Co.

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

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

RECEIVED
JUL - 8 1955

224 New Customhouse
Denver 2, Colorado

July 6, 1955

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for DMEA Assistance, (Uranium), Urova Company, (Capuline No. 1 and Bunny Jim No. 2 Lode Mining Claims), Custer County, South Dakota

Enclosed are the original and two copies of the subject application to explore for uranium at an estimated cost of $7,630.00. 3239

The application is poorly prepared and lacks much essential information, especially that of a geological nature. Urova Company is the operator of the presently active DMEA Contract Idm-E691. We have had considerable difficulty administering this contract because of the operator's apparent lack of interest in pursuing the proposed work.

One copy of the application has been retained in this office.

W. M. Traver

W. M. Traver

Enclosures

MF-103
(Revised April 1952)

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

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED JUL 5 1955

JUL - 8 1955 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. 3891
Metal or Mineral Uranium
Date Received 7-8-55
Estimated Cost [redacted] $7630
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: Urova Co. (A corporation organized in the State of Nebraska)
620 South Saddle Creek Road
Omaha, Nebraska

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

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

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

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

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 attached sheets [illegible] and Bunny Jim, located in Custer County, South Dakota

(*b*) State any mine name by which the property is known. Capuline No. 1 and Bunny Jim, Custer Co., S.D.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner of mineral claims recorded in Custer County, S.D. (pages 120 and 121 of Book 22 of Deeds)

(*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.

(*e*) If you own the land, describe any liens or encumbrances on it

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

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

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

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

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore All fissionable materials. Principally uranium

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within 30 days and be completed within 3 months from the date of an exploration project contract. (Weather permitting)

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)?

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated June 21, 1955

UROVA CO.
(Applicant)

By [signature]
Sec & Treas.

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

Capuline #1 Mining Claim, Located in Sec. 9, Twn. 6 South, Range 1 East, B.H.M. In Custer County, Harney National Forest, South Dakota.

The S.E. Corner bears N 16 degrees and 44 minutes west, 799' from the S.E. Corner of Sec. 9, in Harney National Forest. Running 1500' Northerly from S.E. Corner, 600' Westerly from S.E. Corner. Survey tie to Gov. marker made by W. R. Robinson Co.

RECEIVED
JUL - 8 1955

All corners marked with pine post at least 4" in diameter. Side centers and end centers marked same.

Bunny Jim #2 Mining Claim.

The S.E. Corner bears North 31 degrees - 31 minutes West, 918 Feet 4" from the S.E. $\frac{1}{4}$ Corner of Sec. 10, Twn. 6 South, Range 1 East, of Black Hills Meridian. Located in Harney National Forest in Custer County.

Running 1500' approx. 10 Degrees East of North, 600' approx. 10 Degrees North of West. As Surveyed by W. R. Robinson Co.

All Corners marked with pine post at least 4" in diameter, side centers and end centers marked same, in compliance with Federal Staking regulations.

STATEMENTS IN SUPPORT OF APPLICATION
FOR AID IN AN EXPLORATION PROJECT
UROVA CO.
CAPULINE NO. 1 AND BUNNY JIM CLAIMS

RECEIVED
JUL - 8 1955

(The numbers and letters below refer to the instruction number on the blank to which this sheet is attached).

1. (c) - Officers -

W. R. Schaefer, President
620 South Saddle Creek Road
Omaha, Nebraska

C. R. Kennedy, Vice-President
Newcastle, Wyoming

J. H. Imig, Secretary-Treasurer
912 First National Bank Building
Omaha 2, Nebraska

4. (a) - Assessment work only
(b) - No production, and quantities and grades of ore unknown
(c) - It is expected that ore, if any, will be found in the Dakota sandstone. Plane table surveys are enclosed with this application.
(d) - The claims are accessible by automobile. Roads will have to be built within the claims to locations. Dewey S. D. is about 4 miles from the claims. The buying depot of A.E.C. at Edgemont, S. D. is about 22 miles, and Newcastle, Wyoming is about 28 miles.
(e) - It is believed that manpower, supplies, and water are all available in sufficient quantities. Electric power is available on the claims.

5. (b) - Each of the claims is 600 feet wide and 1500 feet long. We propose to drill on a grid pattern with one hundred foot spacing between holes. On each claim, this would be 5 rows of 14 holes each, or a total of 70 holes on each of the claims. The holes would probably average 50 feet in depth, so that we would have 3,500 feet of wagon drilling on each of the claims.
(d) - Our supervisor of operations has had fifteen years of experience in mining and drilling operations. We estimate the cost of the exploration work proposed at $7,630.00 (Two claims with 3,500 feet of wagon drilling each, or a total of 7,000 feet at $1.09 per foot).

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUL - 8 1955

DMEA
Date Rec'd.
Form Approved.
Budget Bureau No. 42-R1035.2.
JUL 5 1955
Crawford
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. 3891
Metal or Mineral Uranium
Date Received 7-8-55
Estimated Cost ~~[illegible]~~ $7,630
Participation (Government %)

INSTRUCTIONS

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620 South Saddle Creek Road
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(*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.

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(Applicant)

By [signature]
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UROVA CO.
CAPULINE NO. 1 AND BUEN JIM CLAIMS

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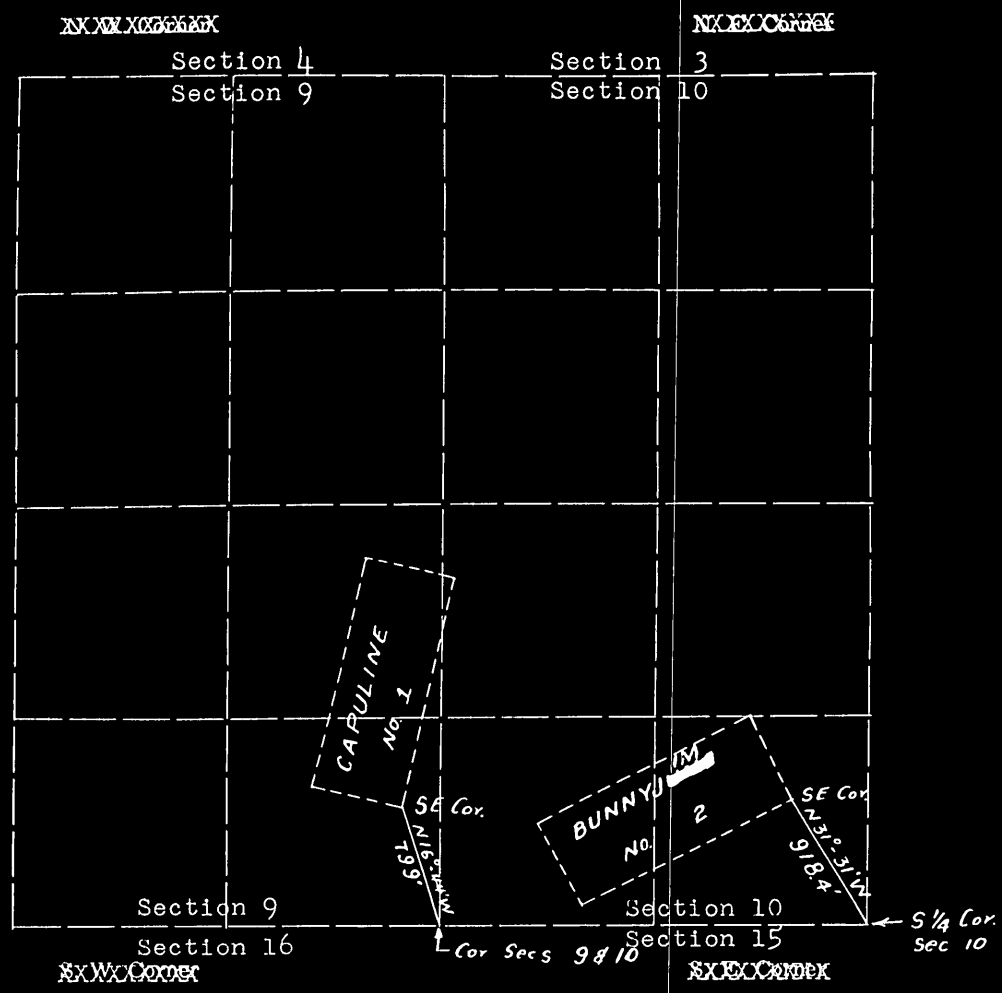
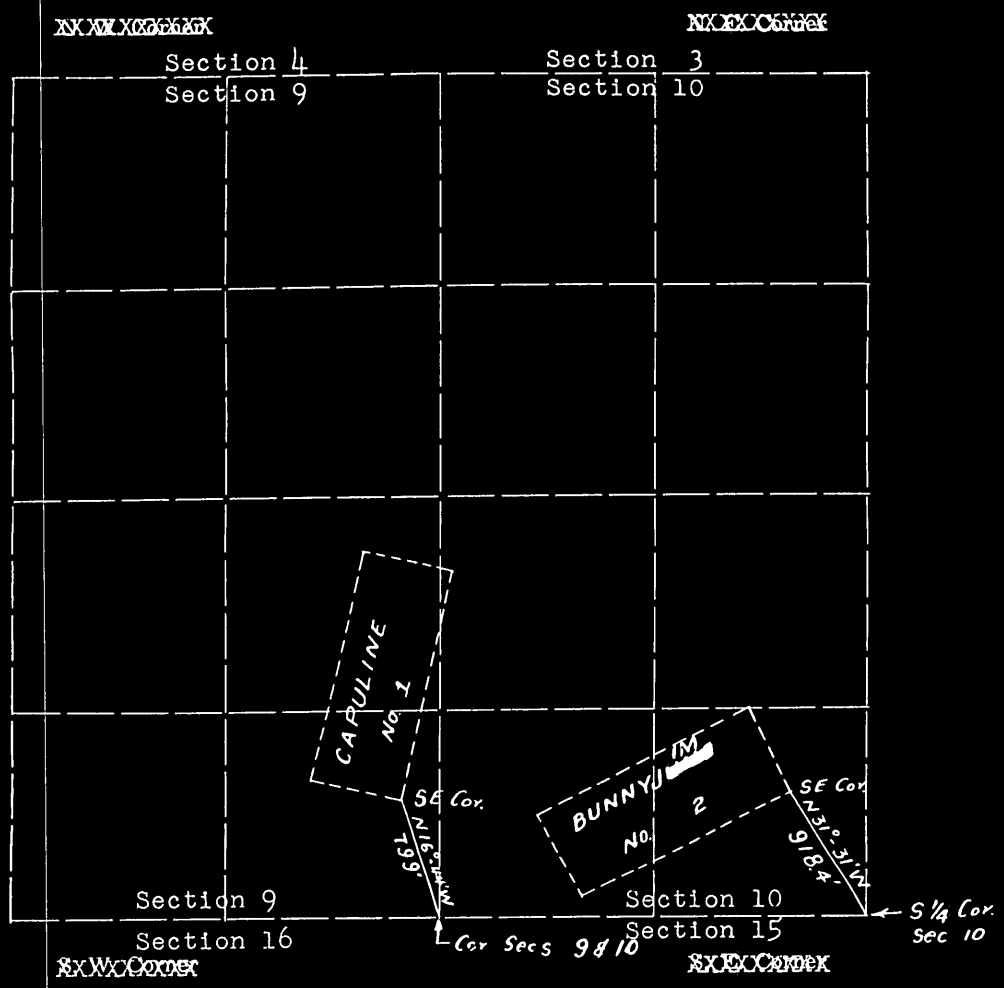


I, W. R. Robinson, of Newcastle, Wyoming, Certify that in accordance with a request from Mrs. C. R. Kennedy, of Newcastle, Wyo. for Herself, I made a survey (date) January 13, 1953 for the location and elevation of Capuline No. 1 and Bunnyjune No. 2 Lode Mining Claim Ties and that this map shows the location of said ties in Section 9 & 10 Township 6 South Range 1 East In Weston County, Wyoming. Black Hills Merd.

W. R. Robinson

Licensed Surveyor No. 2001



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W. R. Robinson

Licensed Surveyor No. 2001