700

FILE COPY
Surname:
Ching
Hyp
Fuhon
~~Kilsgaard~~
Selridge
Johnson

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

FEB 27 1956

Jubilee Uranium Company
628 Judge Building
Salt Lake City, Utah

Re: Docket No. DMEA-4108 (Uranium)
Mexican Seep Claims
Emery County, Utah

Gentlemen:

Your application for aid in an exploration project and other information available to us in Washington concerning your 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 a small amount of uranium mineralization on your property, indicates to us that the probability of disclosing minable 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.

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

Sincerely yours,

C. O. Mittendorf

Administrator

Copy to: Docket
Code 700
Mr. Ching
Admr.'s Reading File
Operating Committee
DMEA Field Team, Region III (2)
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

Docket Copy
700

Ching
Ellis

February 24, 1956

SUMMARY OF PROPOSED PROJECT

Object: Denial of application for an exploration project.

Docket No.: DMEA-4108

Commodity: Uranium

Applicant: Jubilee Uranium Company
628 Judge Building
Salt Lake City, Utah

Property: 11 unpatented claims, Mexican Seep Nos. 1-11, located in an unsurveyed area of the San Rafael Swell in T. 21 S., R. 10 E., S.L.M., Emery County, Utah. Applicant is the owner.

Date of Application: December 19, 1955

Amount of Application: $18,850.00

Work Proposed: Prepare access roads and drill sites and expose the northern channel by rim stripping. Drift 200 feet into the channel at the most promsiing point exposed by stripping. Drill 20 holes aggregating 3,000 feet to test the Moss Back member of the Chinle formation and underlying channels.

Independent Contracts:

250 hrs. bulldozing @ $13/hr.	$3,250.00
1,000 ft. plug drilling @ $3/ft.	3,000.00
2,000 ft. core drilling @ $3.50/ft.	7,000.00
Drifting 200 ft. by Applicant & general expenses	5,600.00
Estimated Total Cost of Project	$18,850.00
Government Participation @ 75%	$14,137.50

Field Team Report:

A review, dated January 3, 1956, by J. William Hasler, USGS, and M. H. Salsbury, USBM, of the Grand Junction office, recommended denial of the application without a field examination on the following bases:

The Chinle formation on the property has two possible ore-bearing horizons; the Moss Back member and sandstone-filled channels in the underlying mottled siltstone. The latter lie directly on the Moenkopi.

The Moss Back in the area appears to be unfavorable while the exposed underlying channels appear to be about 10 feet thick, making them generally unfavorable for ore.

The nearest deposits are on Calf Mesa, 3 miles to the northeast and on Block mountain, 10 miles to the south. Deposits in these areas are characterized by being very small and scattered.

On January 26, 1956, the Operating Committee requested a further review of the basis for denial, including some assurance that the recommendation for denial resulted from direct observations made on this specific property at one time or other.

In a memorandum dated February 9, 1956, H. B. Dyer, USGS, indicated that the recommendation for denial was based on mapping, a scintillation counter survey along the outcrop, one sample taken and assayed, and general observations during an examination made with Glenn Izett on August 9 and 10, 1954. He concluded that mineralization in the lower horizon is confined to radioactive wood and that economic deposits of any great size are unknown. The upper horizon in the Moss Back showed no radioactivity over .01% eU_3O_8 on the claims and mineralization is largely confined to fossil wood.

Commodity Group Comments:

USGS, W. P. Williams, January 18, 1956:

Notes that the Applicant has completed 60 feet of adit and 300 feet of rim stripping in preliminary work. Questions whether the original Field Team recommendation for denial, without examination, had sufficient foundation, such as evaluations made in the field. Recommends that the Field Team be requested for assurance that the recommendation for denial was based on field observations.

USBM, John E. Crawford, January 20, 1956:

Discussed the proposed project with the AEC representative. Concurs in the Field Team recommendation for denial.

Rare & Miscellaneous Metals Division, Michael Ching, Feb. 24, 1956:

This case illustrates the necessity for field personnel to support their statements, conclusions and recommendations with details as to how, when, and where their information was obtained. The Grand Junction office had very definite knowledge of the claims involved but its memorandum of January 3, 1956, appeared to be a generalized statement because the supporting details were not brought out.

Conclusions and Recommendations:

Mineralization on the subject property is confined to fossil wood and is very limited in extent. It is recommended that the application be denied without further examination.

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

FEB 20 1956 dzm

RECEIVED
FEB 20 1956

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

224 New Customhouse
Denver 2, Colorado

February 14, 1956

Memorandum

To: Chairman, Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Docket DMEA 4108 (Uranium) Jubilee Uranium Company, Mexican Seep Claims, Emery County, Utah

This responds to your letter dated January 26, 1956, in which you requested the Field Team to review the bases for the comments and conclusions of the members of the Grand Junction Office in their recommendation for denial of the subject application without a field examination.

Enclosed are the original and one copy of memorandum from J. Wm. Hasler and H. B. Dyer with further comments and recommendations regarding the subject application. It appears that the recommendation for denial of this application without a field examination was based on very definite knowledge of the claims involved in the application.

We concur with the conclusions and recommendations of the members of the Grand Junction DMEA office that the application be denied without a field examination.

DMEA Field Team, Region III

W. M. Traver

E. N. Harshman

Encls.

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

RECEIVED
FEB 20 1956

224 New Customhouse
Denver 2, Colorado

February 14, 1956

Memorandum

To: Chairman, Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Docket DMEA 4108 (Uranium) Jubilee Uranium Company, Mexican Seep Claims, Emery County, Utah

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We concur with the conclusions and recommendations of the members of the Grand Junction DMEA office that the application be denied without a field examination.

DMEA Field Team, Region III

W. M. TRAVER

W. M. Traver

E. N. Harshman

E. N. Harshman

Encls.

MINERAL DEPOSITS
IN REPLY REFER TO:
RECEIVED
FEB 13 1956
U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

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

RECEIVED
FEB 20 1956

DMEA
Date Rec'd.
FEB 14 1956

BUREAU OF MINES
Denver, Colorado

Memorandum

February 10, 1956

To: W. M. Traver, DMEA Field Team, Region III

Through: E. N. Harshman EMH
~~J. F. Shaw~~

From: J. William Hasler

Subject: DMEA docket 4108 (Uranium) Jubilee Uranium Company, Mexican Seep claims, Emery County, Utah

The attached memorandum was prepared by H. B. Dyer, U. S. Geological Survey, concerning the appraisal of the subject property relative to the necessity of a field examination. The memo points out that the property has been observed in the field; that the appraisal of the property was not made wholly in the office.

It might be further stressed that the many applications we receive to ascertain whether or not a field examination should be required, are made only after consulting those who are familiar with the area and have worked in the field, either for the U. S. Geological Survey or the Atomic Energy Commission. This has been, and will remain, the practice of the Grand Junction office in order to obtain as accurate an appraisal of the property as is possible.

We feel confident that properties denied without a field examination, for the most part, do not warrant a field examination; otherwise, they would be so recommended.

The attached is a review of the memoranda from the Operating Committee. I concur with the conclusions and recommendations of Mr. Dyer, that the application still be denied without a field examination.

J. William Hasler
J. William Hasler,
Geologist.

JWH/mlr
Enclosures
cc: Thor Kiilsgaard
W. P. Williams

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED DMEA
Date Rec'd.
FEB 20 1956
FEB 14 1956

P. O. Box 360
Grand Junction, Colorado

BUREAU OF MINES
Denver, Colorado

February 9, 1956

Memorandum

To: J. William Hasler

From: H. B. Dyer

Subject: DMEA docket 4108 (Uranium), Jubilee Uranium Company, Mexican Seep claims, Emery County, Utah

The rim exposures of the claims under consideration were mapped on August 9 and 10, 1954, by myslef and Glenn Izett. A scintillation counter was carried along the outcrop of the ore-bearing horizons and one sample was taken on the property. The sample was taken from a channel in the lower horizon and consisted of a radioactive tree which measured about 1 inch thick and 3 inches long. This sample assayed .64 percent U_3O_8. The sample is typical of the ore in the lower horizon over in that area; that is, mineralization is confined to radioactive wood and economic deposits of any great size are unknown. The applicant has rim stripped some of the outcrop on his claims and has probably exposed a few more spots similar to the one sampled. The applicant states, "Selected small samples have been chemically assayed at as high as .50 percent uranium," and suggests that more carefully selected samples might be higher. Since he states that the samples are small and that the claims have not produced any ore, it seems unlikely that anything larger than specimen quantities of the ore-grade material exist.

The upper horizon, the Moss Back sandstone, has minor irregularities of about plus or minus 8 feet at the base, while average thickness is over 70 feet. The Moss Back does not have any channels large enough to localize ore bodies in the area of the claims. The applicant states "the channels are in the lower part of and just under the Moss Back member of the Chinle formation." The sentence is ambiguous, but my experience with the property suggests that he means that the channels are in the lower part of the Chinle formation just under the Moss Back sandstone. The minor irregularities of the Moss Back contact might be termed channels but they are not guides to ore.

Mineralization in the Moss Back is largely confined to fossil wood, although no radioactivity indicating a grade of over .01 percent eU_3O_8 was noted on the claims. The best radioactivity found in the surrounding area indicated a grade of .02 to .03 percent eU_3O_8 and extended for about 15 feet along the outcrop. Ore bodies of this size and grade do not appear to be a reasonable drilling target.

HBDyer

HBD/mlr

H. B. Dyer, Geologist

MINERAL DEPOSITS
DMEA
RECEIVED
FEB 13 1956
U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

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

DMEA
Date Rec'd
FEB 14 1956

BUREAU OF MINES
Denver, Colorado

February 10, 1956

Memorandum

To: W. M. Traver, DMEA Field Team, Region III

Through: E. N. Harshman EMH
~~J. P. Shaw~~

From: J. William Hasler

Subject: DMEA docket 4108 (Uranium) Jubilee Uranium Company, Mexican Seep claims, Emery County, Utah

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We feel confident that properties denied without a field examination, for the most part, do not warrant a field examination; otherwise, they would be so recommended.

The attached is a review of the memoranda from the Operating Committee. I concur with the conclusions and recommendations of Mr. Dyer, that the application still be denied without a field examination.

J. William Hasler
J. William Hasler,
Geologist.

JWH/mlr
Enclosures
cc: Thor Kilsgaard
W. P. Williams

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 360
Grand Junction, Colorado

DMEA
FEB 14 1956
BUREAU OF MINES

February 9, 1956

Memorandum

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HBDyer

HBD/ahr

H. B. Dyer, Geologist

DMEA
Date Rec'd.
FEB 3 1956
RECEIVED
BUREAU OF MINES
Denver, Colorado

February 2, 1956

Memorandum

To: S. R. Wilson

From: Superintendent, Denver Experiment Station, Reg. III

Subject: Docket DMEA 4108 (Uranium), Jubilee Uranium Company
Mexican Seep claims, Emery County, Utah

The subject application in the amount of $18,850.00 is enclosed.

A field examination and suitable report are required. The completed report should be forwarded directly to the Executive Officer with a copy of the memorandum of transmittal to this office.

JOHN F. SHAW

John F. Shaw

Enclosures

cc: W. M. Traver (3)
E. N. Harshman
J. W. Hasler
M. E. Salsbury
Sec. Op. Com. (2)

DMEA
Date Rec'd.
FEB 3 1956
BUREAU OF MINES
Denver, Colorado

February 2, 1956

Memorandum

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JOHN F. SHAW
John F. Shaw

Enclosures

cc: W. M. Traver (3)
R. N. Marshman
J. W. Hasler
M. H. Salsbury
Sec Op Con (2)

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

RECEIVED
FEB - 2 1956

January 31, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: J. F. Shaw (With brochure)
J. W. Hasler

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 4108 (Uranium), Jubilee Uranium Company, Mexican Seep Claims, Emery County, Utah

Enclosed is the subject application in the amount of $18,850.00. A field examination and suitable report are required.

Enclosed is a copy of a letter from the Chairman of the Operating Committee dated January 26, 1956 on the subject docket and the attached memoranda of review of the application by members of the Uranium Commodity Committee.

In view of the Region III Field Team's repeated statement of the policy that only in rare cases should applications be denied without a field examination, we believe in this instance a field examination at this time is preferable to the delay which would be necessitated in waiting for additional information on the property.

W. M. TRAVER,

W. M. Traver

Enclosures

HMC:ab

cc: Chair. Op. Comm. (2)
Harshman
Docket 4108
Chron.

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

RECEIVED
FEB - 3 1956

January 31, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: J. F. Shaw (With brochure)
J. W. Smaler

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 4108 (Uranium), Jubilee Uranium Company, Mexican Seep Claims, Emery County, Utah

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W. M. TRAVER,

W. M. Traver

Enclosures

HMC:ab

cc: Chair. Op. Comm. (2)
Harshman
Docket 4108
Chron.

700

FILE COPY
Summary:
Ching
Blair
Selfridge
Williams

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

JAN 26 1956

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

Re: Docket No. DMEA-4108 (Uranium)
Jubilee Uranium Company
Mexican Seep Claims
Emery County, Utah

Dear Mr. Traver:

Reference is made to your memorandum of January 6, 1956, and enclosed memorandum of review by members of the Grand Junction Office, relating to the subject application.

Enclosed are two copies each of memoranda, dated January 18, and 20, 1956, from W. P. Williams, USGS, and J. A. Crawford, USBM, respectively.

You will note that the two Commodity Group members disagree with respect to the recommendation of the Grand Junction Office to deny the application without a field examination.

It is suggested that the Field Team review the bases for the comments and conclusions of the members of the Grand Junction Office. If they resulted from direct observations made on this specific property at one time or other, a denial without further examination may be justified. On the other hand, if such comments and conclusions are based solely on the past history and general geology of the area as a whole, the case for such a denial would be considerably weaker, especially if the results of recent work on the property have not been evaluated. It is essential that the facts at hand definitely justify the recommended action.

Your comments and recommendations following the above-mentioned review will be appreciated.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Enclosures

APPROVED:

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

Thor H. Kiilsgaard
Member, Geological Survey

Admr.'s Reading File
Operating Committee
Messrs, JECrawford, 3611; THKiilsgaard, 5224; JOHosted, 3210, GSA

MChing/izm 1-24-56
cc to: Docket
Code 700
Mr. Ching

1/20/56 gla

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

RECEIVED
JAN 20 1956

January 20, 1956

Memorandum

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

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

Subject: Application for assistance, DMEA Docket 4108, Jubilee Uranium Corporation, Emery County, Utah

I have reviewed the attached application of the Jubilee Uranium Corporation, DMEA Docket 4108, dated December 19, 1955, and received in this office January 10, 1956. I have also discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The Jubilee Uranium Corporation has applied for Federal participation to explore for uranium on 11 unpatented mining claims in the San Rafael Swell area of Emery County, Utah. The proposed exploration program includes 3,000 feet of plug and core drilling at a cost of $10,000, 250 hours of bulldozer work at a cost of $3,250, and 200 feet of drifting at a cost of $5,600. The total estimated cost is $18,850.

The members of the DMEA office at Grand Junction recommend that the application be denied without a field examination because the Moss Back member of the Chinle formation in the area appears to be unfavorable and the deposits in the area are characterized as being very small and scattered.

We concur in the recommendation of the members of the DMEA office, Grand Junction, that the application be denied.

John E. Crawford
John E. Crawford

Attachment

1-18-56 dzm

IN REPLY REFER TO:

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

RECEIVED
JAN 18 1956

January 18, 1956

Memorandum

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

From: W. P. Williams, U. S. Geological Survey

Subject: Review of application, DMEA 4108, Jubilee Uranium Corporation, Mexican Seep claims, San Rafael Swell, Emery County, Utah.

The applicant proposes to spend $18,850.00 for an exploration project in the northwest part of the San Rafael Swell. The proposed project would consist of 250 feet of rim stripping, 1,000 feet of plug-bit drilling, 2,000 feet of core drilling, and 200 feet of drifting.

The applicant states that two channels are visible on the property in the Moss Back member of the Chinle formation. He further states that high radiation may be detected on the property with radiation detecting intruments, and that selected small samples chemically assayed as high as 0.50% uranium. The applicant has completed 60 feet of adit and 300 feet of rim stripping as preliminary exploration work.

In a memorandum review of the application, the Grand Junction office states that ore deposits 10 miles south and 3 miles northeast of the property are small and scattered. As a result they recommend that the application be denied without a field examination.

To deny any reasonably complete application without field examination is questionable policy. Denying an application without field examination where the applicant has completed a substantial amount of exploration work is untenable. The results of such work should be evaluated in the field, not in the office.

The Grand Junction memo states, "The exposed channels appear to be about 10 feet thick, . . . The Moss Back in the area appears to be unfavorable." Do these statements imply that field personnel have seen the property?

I recommend that the Field Team be asked if the property has been visited by field personnel with the specific purposes of DMEA in mind; and, if not, the Field Team should be requested to examine the property in the field and to report on their findings.

W P Williams

W. P. Williams

IN REPLY REFER TO:

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

RECEIVED
JAN 18 1956

January 18, 1956

Memorandum

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

From: W. P. Williams, U. S. Geological Survey

Subject: Review of application, DMEA 4105, Jubilee Uranium Corporation, Mexican Sam claims, San Rafael Swell, Emery County, Utah.

The applicant proposes to spend $18,850.00 for an exploration project in the northeast part of the San Rafael Swell. The proposed project would consist of 250 feet of rim stripping, 1,000 feet of plug-bit drilling, 2,000 feet of core drilling, and 200 feet of drifting.

The applicant states that two channels are visible on the property in the Moss Back member of the Chinle formation. He further states that high radiation may be detected on the property with radiation detecting instruments, and that selected small samples chemically assayed as high as 0.50% uranium. The applicant has completed 60 feet of adit and 300 feet of rim stripping as preliminary exploration work.

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To deny any reasonably complete application without field examination is questionable policy. Denying an application without field examination where the applicant has completed a substantial amount of exploration work is untenable. The results of such work should be evaluated <u>in the field</u>, not in the office.

The Grand Junction memo states, "The exposed channels <u>appear</u> to be about 10 feet thick, . . . The Moss Back in the area <u>appears</u> to be unfavorable." Do these statements imply that field personnel have seen the property?

I recommend that the Field Team be asked if the property has been visited by field personnel with the specific purposes of DMEA in mind; and, if not, the Field Team should be requested to examine the property in the field and to report on their findings.

W. F. Williams

WFWilliams:iml
G-1/18/56

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

1-10-56, dgm

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

January 6, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 4108 (Uranium), Jubilee Uranium Corporation, Emery County, Utah

Enclosed are the original and three copies of a memorandum of review of the subject application by members of the Grand Junction office.

W. M. Traver

W. M. Traver

Enclosures

RECEIVED
JAN 9 1956

MINERAL DEPOSITS
IN REPLY REFER TO:
DMEA
RECEIVED
JAN 5 1956
U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

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

DMEA
Date Rec'd.
JAN 6 1956

BUREAU OF MINES
Denver, Colorado

January 3, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: J. William Hasler
M. H. Salsbury

Through: E. N. Harshman

Subject: Application for DMEA assistance (Uranium), Jubilee Uranium Corporation, Emery County, Utah

We have reviewed the above-mentioned application for DMEA assistance regarding the recommendation for a field examination. A review of the geology of the property shows that the Chinle formation has two possible ore-bearing horizons: the Moss Back member and sandstone-filled channels in the underlying mottled siltstone unit. The channels in the mottled siltstone unit lie directly on the Moenkopi and are overlain by about 30 feet of mottled siltstone. The exposed channels appear to be about 10 feet thick, making them generally unfavorable for ore, insofar as thickness is concerned. The Moss Back in the area appears to be unfavorable.

The nearest deposits to the property are on Calf Mesa, about 3 miles northeast of the property, and on Block mountain, 10 miles south of the property. Deposits in these areas are characterized by being very small and scattered. It is, therefore, concluded that the chances of finding uranium ore of any significant quantities are not good, and it is recommended that the application be denied without a field examination.

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

M. H. Salsbury by JWH
M. H. Salsbury
U. S. Bureau of Mines

JWH/mlr

RECEIVED
JAN 9 1956

Extra Copy

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

January 6, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 4108 (Uranium), Jubilee Uranium Corporation, Emery County, Utah

Enclosed are the original and three copies of a memorandum of review of the subject application by members of the Grand Junction office.

W. M. Traver

W. M. Traver

Enclosures

RECEIVED
JAN 9 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 360
Grand Junction, Colorado

IN REPLY REFER TO:

DMEA
RECEIVED
JAN 5 1956
U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

DMEA
Date Rec'd.
JAN 6 1956

BUREAU OF MINES
Denver, Colorado

January 3, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: J. William Hasler
M. H. Salsbury

Through: E. N. Harshman

Subject: Application for DMEA assistance (Uranium), Jubilee Uranium Corporation, Emery County, Utah

We have reviewed the above-mentioned application for DMEA assistance regarding the recommendation for a field examination. A review of the geology of the property shows that the Chinle formation has two possible ore-bearing horizons: the Moss Back member and sandstone-filled channels in the underlying mottled siltstone unit. The channels in the mottled siltstone unit lie directly on the Moenkopi and are overlain by about 30 feet of mottled siltstone. The exposed channels appear to be about 10 feet thick, making them generally unfavorable for ore, insofar as thickness is concerned. The Moss Back in the area appears to be unfavorable.

The nearest deposits to the property are on Calf Mesa, about 3 miles northeast of the property, and on Block mountain, 10 miles south of the property. Deposits in these areas are characterized by being very small and scattered. It is, therefore, concluded that the chances of finding uranium ore of any significant quantities are not good, and it is recommended that the application be denied without a field examination.

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

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

JWH/mlr

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA
Date Rec'd. JAN 6 1956

RECEIVED
JAN 5 1956
U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

P. O. Box 360
Grand Junction, Colorado

BUREAU OF MINES
Denver, Colorado

January 3, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

RECEIVED
JAN 20 1956

From: J. William Hasler
M. H. Salsbury

Through: E. N. Harshman

Subject: Application for DMEA assistance (Uranium), Jubilee Uranium Corporation, Emery County, Utah

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

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

JWH/mlr

RECEIVED
JAN 9 1956

December 29, 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- 4108 Jubilee Uranium Co.

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

December 29, 1955

Subject: DMEA 4108
Re: Exploration Assistance

Jubilee Uranium Co.
628 Judge Building
Salt Lake City Utah

Gentlemen:

The receipt of your application dated December 19, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA 4108 and referred to the Rare & Miscellaneous 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

60932

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

RECEIVED
DEC 29 1955

224 New Customhouse
Denver 2, Colorado

December 27, 1955

Memorandum

To: Secretary to the Operating Committee

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

Subject: Application for DMEA assistance (Uranium) Jubilee Uranium Company, Corp., Emery County, Utah

Enclosed are two copies of the subject application in the amount of $18,850.00. One copy of the application has been retained in this office and one copy has been forwarded to the Grand Junction office for study and recommendations.

E. N. Harshman

Enclosures

E. N. Harshman

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

RECEIVED DEC 29 1955

224 New Customhouse
Denver 2, Colorado

December 27, 1955

Memorandum

To: J. W. Hasler

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

Subject: Application for DMEA assistance (Uranium) Jubilee Uranium Company, Corp., Emery County, Utah

Enclosed is the subject application in the amount of $18,850.00.

Please study this application and discuss it with the AEC and Bureau of Mines representative in Grand Junction, and forward this office your recommendations regarding a field examination of this property.

E. N. Harshman

Enclosures

E. N. Harshman

HMC:pw

cc: Subject
Chron
Sec.Op.Comm. (2)
Shaw (2)
H rshman

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

RECEIVED
DEC 29 1955

224 New Customhouse
Denver 2, Colorado

December 27, 1955

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To: J. W. Hasler

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

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E. N. Harshman

Enclosures

HMC:pw

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

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

RECEIVED
DEC 29 1955

224 New Customhouse
Denver 2, Colorado

December 27, 1955

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To: Secretary to the Operating Committee

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Enclosed are two copies of the subject application in the amount of $18,850.00. One copy of the application has been retained in this office and one copy has been forwarded to the Grand Junction office for study and recommendations.

E. N. Harshman

E. N. Harshman

Enclosures

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DMEA
Date Rec'd.
DEC 23 1955

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

RECEIVED
DEC 29 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. DMEA 4108
Metal or Mineral Uranium
Date Received 12/29/55
Estimated Cost $18,850.00
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: Jubilee Uranium Co., Corp., Utah; 628 Judge Building, Salt Lake City, Utah. President-Rodney O. Dobbs, 638 So. 5th E. Salt Lake City, Utah Vice President-David W. Crockett, 109 Leslie Ave., Salt Lake City, Utah Sec.-Treas.- Keith J. Davis, 1451 West Sunset Ave., Salt Lake City, Utah

(*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 11 unpatented mining claims including Mexican Scop No. 1,2,3,4,5,6,7,8,9,10, and 11 located in T.21S., R.10E. S.L.M. unsurveyed portion of San Rafael Swell, Emery County, Utah

(*b*) State any mine name by which the property is known. None

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner, Claims located by Lelis Robertson who quit claimed to Kenneth Ferro who quit claimed to the Jubilee Uranium Company.

(*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 No liens or encumbrances.

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. Recorded July 27, 1955. Book J Pages 499 through 499

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. See enclosure No. 1

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

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

(*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 Uranium
See Enclosure Number 2

(*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 90 days and be completed within 24 months from the date of an exploration project contract.

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

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project: Enclosure 3

(*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)? See Enclosure Number 5

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

[X] Money [X] Use of equipment owned by you [X] 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 December 19, 1955

Jubilee Uranium Co
(Applicant)

By [signature], Pres.

Keith J. Davis 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

RECEIVED
DEC 29 1955

Stipulation Number 1, Item Number 6:

(a) Approximately 5.5 miles of access road has been built to the property. About 12 feet of tunnel has been accomplished and about 250 feet of pilot-tipping has been done. All of it is access only by dirt road.

(b) There has been no production and no known ore reserves.

(c) The uranium deposits are believed to be located in at least two visible channels. These channels could be established by the faults that cut through the property in an orderly and routinely fashion. The channels are in the lower part of and just under the Morenci member of the Chinle formation (formerly mapped as Shinarump as shown on the attached map). Prospecting with a geiger counter and scintillator in this area shows high radiation. Selected small samples have been chemically assayed at as high as .30% uranium. Other small samples collected could probably run better than one percent and possibly as high as 3percent. There is definite mineralization of other things also. Iron, zinc, lead, copper, and selenium have all been shown on assays.

(d) It is possible to drive a civilian type vehicle onto the property. The last 40 miles is a gravel and dirt road. The closest shipping point at present is believed to be at Thompson, Utah, approximately 14 miles from the project. From Green River, Utah it would be about 70 miles by road. The closest supply and residence points would be at Castledale, Utah, about 45 miles.

(e) The company has an agreement with the Robbins Brothers Construction Company of Salt Lake City to do the access road building and construct the drill sites. They would also do the pilot drilling. The equipment to be used will be a D 10A crawler with bulldozer attachment. Robbins Brothers have agreed to furnish all manpower, materials, supplies, equipment, water and power for this portion of the project.

The Robbins company will buy or furnish the necessary materials, supplies, and equipment to do the drilling. The drilling will be done by contract and the Atlantic Drilling Company of Blanding, Utah has been contracted. Drilling water will have to be transported from Castledale. Water for other purposes can be obtained from Hurricane Seep, about two miles from the project. All the needed power will be from internal combustion engines and will be hauled to the project site.

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DEC 29 1955

Enclosure Number 8, Item Number 5 The Exploration Project

(a) Location.

(b) The project will consist of building a road to the contact between the Cisco and the Moenkopi on the Colorado northern channel. A road has already been built to the southern channel. The cutting the northern channel to fully determine the line of contact and to recognize the most promising portion to start drilling. Most of the northern channel can not be economically drilled due to the occurrence of a Kaibab cliff overburden of approximately 600 feet. To build a road to the top of the Kaibab formation would be a costly and difficult job. Two drill holes will be put down along the access road which will cross on the steep slope of the hill just above the Moenkopi. There are risks on the access and top. Lines & would be driven for 300 feet into the more promising portion of the upper channel following the strike line. This distance could be that to see, while the Kaibab cliff once gets to that color-hardness would be of a risk.

On the southern part where the cliff is not present, drill sites would be cleared with access roads as directed to them. A drill pad would be placed on the flat beach bench. The holes would be drilled on centers of 400 feet by about 300 feet as special as to cover the clearness top of this bench. In order on the attached map this would make 15 holes. This would adequately explore the northwestern channel.

The drilling depth is about 200 feet and the 30 holes listed above would make a total of 3000 feet of drilling. It is felt that the first 100 feet through the Moenkopi could be drilled without coring but the next 100 feet should be core drilled. This would make 1000 feet of plug drilling and 2000 feet of core drilling. This should locate any ore to be low so that the company could carry on at less expense any further exploration, such as blocking out.

(c) Mr. Robert, President, is a graduate mining engineer with 30 years experience operating mines and consulting in mining operations.

Mr. Goodwin, Vice-President, is a graduate geologist and Mr. Avis, Secretary-Treasurer, is a graduate civil engineer and a most good business manager. He has been considerable experience in the operation and maintenance of certain other equipment that he has a satisfactory reference whether in the army.

The exploration project will be supervised by the combined efforts of these persons and under the immediate direction of Mr. Robert.

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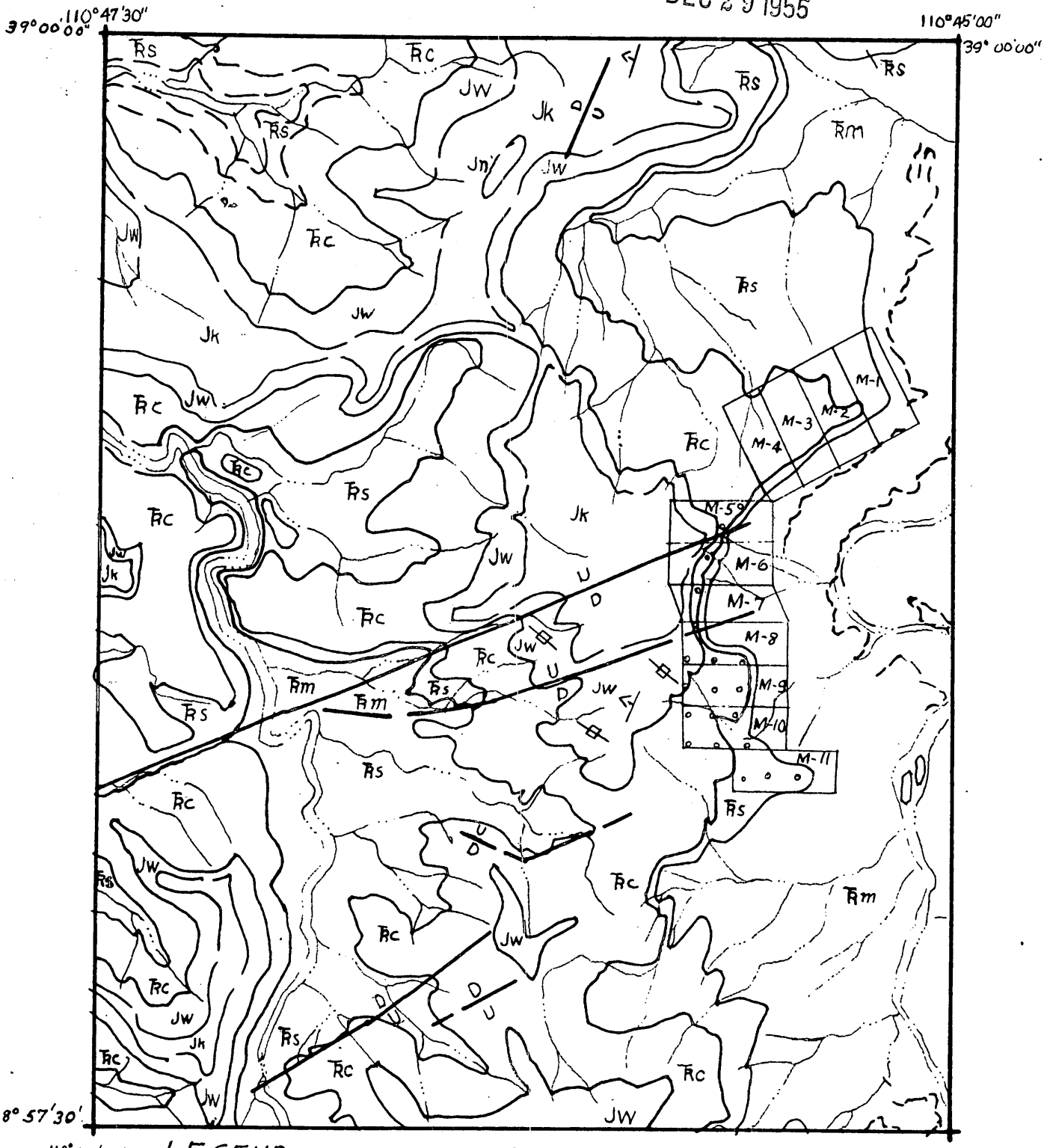
DEC 29 1955



LEGEND

- Jn Navajo Sandstone
- Jk Kayenta formation
- Jw Wingate Sandstone
- Ŧc Chinle formation
- Ŧs Shinarump Conglomerate
- Ŧm Moenkopi formation
- M-1 Claim Numbers
- ∘ Drill Hole Location
- —— Fault

JUBILEE URANIUM CO
MEXICAN SEEP CLAIMS
FROM U.S.G.S. STINKING SPRING CR-3
DECEMBER 1952
SCALE 1: 24,000 DEC. 16, 1955

RECEIVED

DEC 29 1955

Enclosure Number 3, Item Number 6 Estimated costs.

(a) Subcontract contracts

(1) Mobilization cost including access roads, site stripping, and clearing drilling sites.
250 hours at $15.00 per hour $3,750.00

(2) Drilling

(a) 1000 feet of plug drilling at $3.00 per foot 3,000.00

(b) 2000 feet of core drilling at $3.50 per foot 7,000.00

(b) Labor, supervision, consultants

Title	Rate	No. hours	Cost
Miners	$8.00	250	$1,000.00
Supervisor	5.00	20	100.00
Engineers	5.00		
Consultants	10.00	10	100.00

(c) Operating materials and supplies

Explosives	500.00
Fuel, oil, lubricants	400.00
Food and living supplies	500.00
Repairing and office supplies	75.00

(d) Operating equipment

1. 105 cfm compressor, rock drill, hose (to be rented) 900.00
2. Rock bits, pencil, and other expendable drilling supplies to be bought 100.00
3. Use of 1/2 ton 4 x 4 truck owned by company 100.00
4. Use of 1/2 ton 4 x 4 truck owned by company 150.00
5. Cooper cylinder owned by company 10.00
6. Use of wheel barrels, picks, shovels, hammers and other hand tools 50.00

(e) None.

(f) New buildings, improvements, installations

1. Erection of bunkhouse and repair shed 200.00
2. Use of 10x10 tents and other camp equip. 85.00

(g) Miscellaneous

1. Maintenance of equipment 200.00
2. Analytical work 60.00
3. Accounting 50.00
4. Workmen's compensation 50.00
5. Employees liability insurance 50.00

400.00

(h) Contingencies

COST DISTRIBUTION SHEET

Name [illegible] Prepared by [illegible]

Location [illegible] RECEIVED DEC 2 9 1955 Date [redacted]

No.	ITEM	QUANTITY	UNIT	UNIT	TOTAL COST
1.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

RECEIVED
DEC 29 1955

Enclosure Number 5, Item Number 7.

(a) Yes

(b) The company is prepared to furnish all of its share in the cost with money, but the breakdown as it is believed it will be paid will be as follows:

Money	$2,500.00
Use of equipment owned by Company	400.00
Other (Labor, supervision, and consultation by board of directors and stockholders, supported by time vouchers, for which a salary will not be given.	$1,313.00
	$4,213.00

MF-103
(Revised April 1952)

DMEA
Date Rec'd.
DEC 23 1955
BUREAU OF MINES
Denver, Colorado

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

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
DEC 29 1955

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 4168
Metal or Mineral Uranium
Date Received 12-29-55
Estimated Cost $18,850.00
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: Jubilee Uranium Co., Corp., Utah; 628 Judge Building, Salt Lake City, Utah. President-Rodney O. Dobbs, 836 So. 5th E. Salt Lake City, Utah Vice President-David H. Crockett, 109 Leslie Ave., Salt Lake City, Utah Sec.-Treas.- Keith J. Davis, 1451 West sunset Ave., Salt Lake City, Utah

(*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 11 unpatented mining claims including Mexican Seep No. 1,2,3,4,5,6,7,8,9,10,and 11 located in T.21S.,R.10E. S.L.M. unsurveyed portion of San Rafael Swell, Emery County, Utah

(*b*) State any mine name by which the property is known. None

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner, Claims located by Wells Robertson who quit claimed to Kenneth Karra who quit claimed to the Jubilee Uranium Company.

(*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 No liens or encumbrances.

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. Recorded July 27, 1955. Book J Pages 489 through 499

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. See enclosure No. 1

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

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

(*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 Uranium
See Enclosure Number 2

(*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 90 days and be completed within 24 months from the date of an exploration project contract.

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

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project: Enclosure 3

(*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)? See Enclosure Number 5

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

[X] Money [X] Use of equipment owned by you [X] 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 December 19, 1955

Jubilee Uranium Co.
(Applicant)

By [signature], Pres.

Keith J. Davies 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.

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Enclosure Number 1, Item Number 4:

(a) Approximately 2.5 miles of access road has been built to the property. About 60 feet of tunnel has been accomplished and about 200 feet of pinstripping has been done. All of it is accessible by dirt road.

(b) There has been no production and no known ore reserves.

(c) The uranium deposits are believed to be bedded in at least two visible channels. These channels could be enriched by two faults that cut through the property in an easterly and westerly direction. The channels are in the lower part of and just under the Moenkopi member of the Chinle formation (formerly mapped as Shinarump as shown on the attached map). Prospecting with a geiger counter and scintillator in this area shows high radiation. Selected small samples have been chemically assayed at as high as .5% uranium. Other small samples collected would probably run better than one percent and possibly as high as 3percent. There is definite mineralization of other things also. Iron, zinc, lead, copper, and selenium have all been shown on assays.

(d) It is possible to drive a civilian type vehicle onto the property. The last 40 miles is a gravel and dirt road. The closest shipping point at present is believed to be at Thompson, Utah, approximately 94 miles from the project. From Green River, Utah it would be about 70 miles by road. The closest supply and residence points would be at Castledale, Utah, about 65 miles.

(e) The company has an agreement with the Robbins Brothers Construction Company of Salt Lake City to do the access road building and construct the drill sites. They would also do the pin stripping. The equipment to be used will be a TD 10A tractor with bulldozer attachment. Robbins Brothers have agreed to furnish all manpower, materials, supplies, equipment, water and power for this portion of the project.

The Jubilee company will buy or furnish the necessary materials, supplies, and equipment to do the drifting. The drilling will be done by contract and the Edwards Drilling Company of Blanding Utah has been contracted. Drinking water will have to be transported from Castledale. Water for other purposes can be obtained from Mexican Seep, about one mile from the project. All the needed power will be from internal combustion engines and will be hauled to the project site.

Enclosure Number 2, Item Number 5 The Exploration Project

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(a) Uranium.

(b) The project will consist of building a road to the contact between the chinle and the Moenkope on the visible northern channel. A road has already been built to the southern channel. Rim cutting the northern channel to fully determine the line of contact and to determine the most promising position to start a drift. Most of the northern channel can not be economically drilled due to the occurance of a Wingate cliff overburden of approximately 600 feet. To build a road to the top of the Wingate formation would be a costly and difficult job. Five drill holes will be put down along the access road which will cross on the steep slope of the Chinle just above the Mossback. These are shown on the attached map. A drift would be driven for 200 feet into the most promising portion of the exposed channel following the pinstripping. This distance would assure us that we were under the Wingate cliff enough so that water leaching would be at a minimum.

On the southern part where the cliff is not present, drill sites would be cleared with access roads constructed to them. A drill grid would be placed on the Mossback bench. The holes would be drilled on centers of 400 feet by about 350 feet so spaced as to cover the claimscon top of this bench. As shown on the attached map this would take 15 holes. This should adequatly explore the underlying channel.

The drilling depth is about 150 feet and the 20 holes listed above would make a total of 3000 feet of drilling. It is felt that the first 50 feet through the Mossback could be drilled without taking cores but the last 100 feet should be core drilled. This would make 1000 feet of plug drilling and 2000 feet of core drilling. This should locate any ore bodies so that the company could carry on at its own expense any further exploration, such as blocking out.

(d) Mr Dobbs, president, is a graduate mining engineer with 20 years experience operating mines and consulting on mining operations.

Mr. Crockett, vice-president, is a graduate geologist and Mr. Davis, Secretary-treasurer, is a graduate civil engineer and a registered land surveyor. He has had considerable experience in the operation and maintenance of construction equipment when he was a battalion maintence officer in the army.

The exploration project will be supervised by the combined efforts of these persons and under the immediate direction of Mr. Dobbs.

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Enclosure Number 3, Item Number 6 Estimates of costs.

(a) Independent contracts

(1) Bulldozer work including access roads, rim stripping, and clearing drilling sites. 250 hours at $13.00 per hour — $3,250.00

(2) Drilling

(a) 1000 feet of plug drilling at $3.00 per foot — 3,000.00

(b) 2000 feet of core drilling at $3.50 per foot — 7,000.00

(b) Labor, supervision, consultants

Title	Rate	No. hours	Cost
Miners	$2.50	600	$1,500.00
Supervisors	3.00	60	180.00
Engineers	3.00		
Consultants	10.00	10	100.00

(c) Operating materials and supplies

Explosives	350.00
Fuel, oil, lubricants	400.00
Food and living supplies	385.00
Engineering and office supplies	75.00

(d) Operating equipment

1. 105 cfs compressor, rock drill, hose (to be rented)	900.00
2. Rock bits, steel, and other expendable drilling supplies to be bought.	150.00
3. Use of 1/4 ton 4 x 4 truck owned by company	100.00
4. Use of 1/2 ton 4 x 4 truck owned by company	150.00
5. Geiger counter owned by company	10.00
6. Use of wheel barrows, picks, shovels, hammers and other hand tools	50.00

(e) None.

(f) New buildings, improvements, installations

1. Erection of maintenance and storage shed	300.00
2. Use of 16x16 tent and other camp equip.	85.00

(g) Miscellaneous

1. Maintenace of equipment	200.00
2. Analytical work	40.00
3. Accounting	80.00
4. Workmans compensation	85.00
5. Employees liability insurance	60.00

(h) Contingencies — 400.00

COST DISTRIBUTION SHEET

Name Jubilee Uranium Company

Prepared by Rodney O. Dobbs
Keith J. Davis

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Location T. 21 So.; R. 10 E. S.L.B.M.
San Rafael Swell
Emery County, Utah

DEC 29 1955

[redacted]

Date

No.	ITEM	QUANTITY	UNIT	UNIT	TOTAL COST
1.	Bulldozer work (includes access roads, rimstripping and clearing drill sites, to be done by contract)	250	hours	13.00	$3,250.00
2.	Drilling (to be done by contract)				
	a. Plug drilling ax size	1000	feet	3.00	3,000.00
	b. Core drilling ax size	2000	feet	3.50	7,000.00
3.	Drifting 5 foot by 7 foot drift (To be done by company)	200	Lin. ft	28.00	5,600.00
					$16,850.00

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Enclosure Number 5, Item Number 7.

(a) Yes.

(b) The company is prepared to furnish all of its share in the cost with money, but the breakdown as it is believed it will be paid will be as follows:

Money	$2,500.00
Use of equipment owned by Company	400.00
Other (Labor, supervision, and consultation by board of directors and stockholders, supported by time vouchers, for which a salary will not be given.	$1,313.00
	$4,213.00

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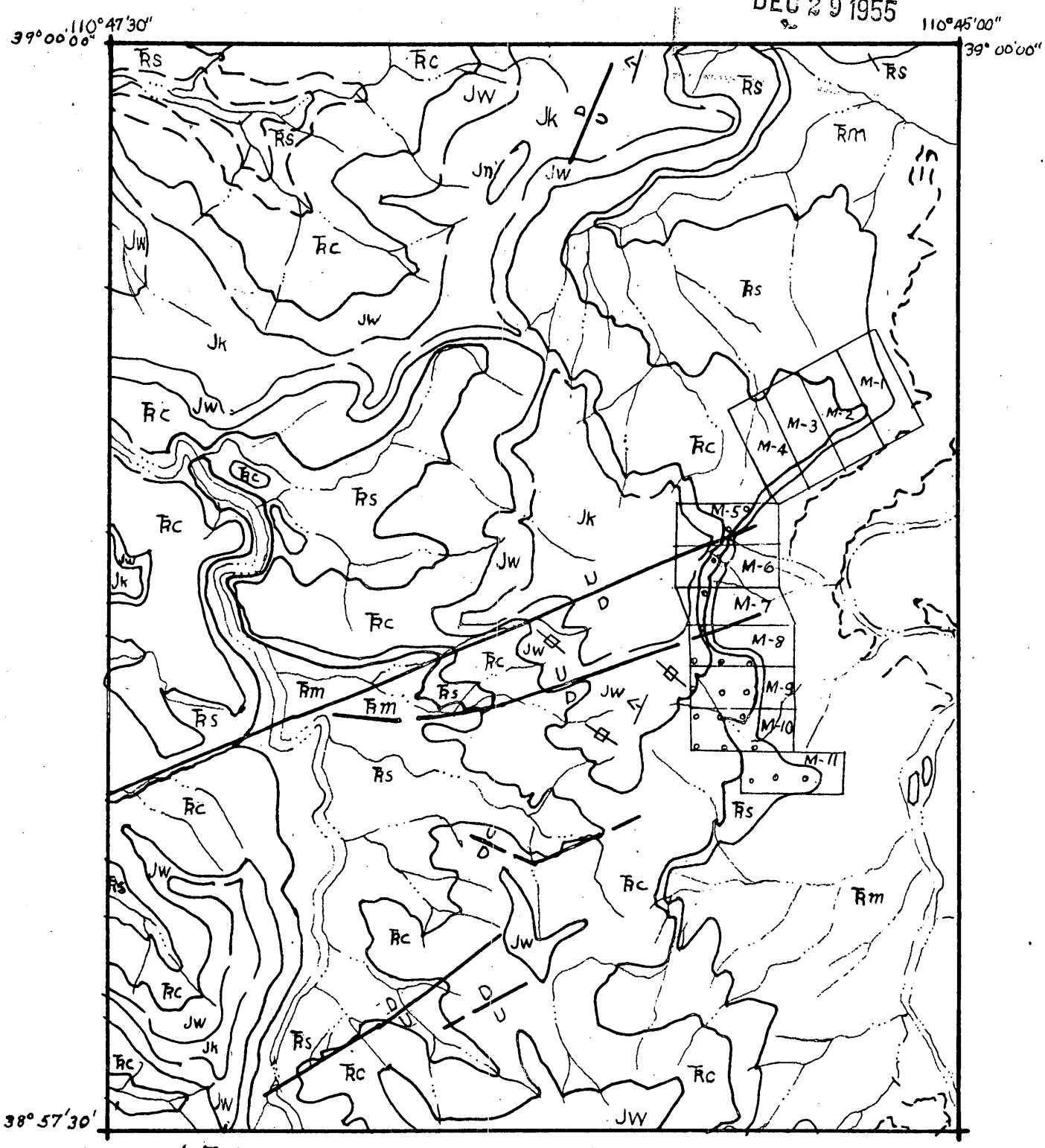

LEGEND

- Jn Navajo Sandstone
- Jk Kayenta formation
- JW Wingate Sandstone
- Rc Chinle formation
- Rs Shinarump Conglomerate
- Rm Moenkopi formation
- M-1 Claim Numbers
- ∘ Drill Hole Location
- —— Fault

JUBILEE URANIUM CO
MEXICAN SEEP CLAIMS
FROM U.S.G.S. STINKING SPRING CR-3
DECEMBER 1952
SCALE 1:24,000 DEC. 16, 1955