700

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

FEB 24 1954

Mining Division
Date Rec'd
MAR 1 - 1954
BUREAU OF MINES
Denver, Colorado

Mr. J. W. Randall, President
The Mayflower Company
402 Boston Building
Salt Lake City, Utah

Re: Docket No. DMEA-3069 (Uranium)
Sailor and Little Joe Group of Claims
San Juan County, Utah

Dear Mr. Randall:

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

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

Careful study of all our information, although noting a small amount of ore on your property, indicates to us that the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under the circumstances, that your application for exploration assistance is denied.

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

Sincerely yours,

C. O. Mittendorf

Administrator

FIKnouse/foc
2-19-54
cc to: Docket
Code 700
Adm. Reading File
Operating Comm.
FT. Reg. IV
H. D. Keiser, Rm. 3641 -BM
A. P. Butler, Rm. 3212 - GSA - GS
Mr. Knouse

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

FEB 24 1954

Mr. J. W. Randall, President
The Mayflower Company
402 Boston Building
Salt Lake City, Utah

Re: Docket No. DMEA-3069 (Uranium)
Sailor and Little Joe Group of Claims
San Juan County, Utah

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C. O. Mittendorf

Administrator

FLKnouse/foc
2-19-54
cc to: Docket
Code 700
Adm. Reading File
Operating Comm.
FT. Reg. IV
H. D. Keiser, Rm. 3641 -BM
A. P. Butler, Rm. 3212 - GSA - GS
Mr. Knouse

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

Mining Division
Date Rec'd
OCT 5 - 1953
BUREAU OF MINES
Denver, Colorado

OCT - 1 1953

Mr. W. H. King
Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-3069 (Uranium)
Mayflower Company
Sailor and Little Joe Group of Claims
San Juan County, Utah

Dear Mr. King:

The captioned application is referred to your office for a field examination of the proposed project and recommendation based thereon.

Copies of memoranda from Mr. H. D. Keiser, dated June 15, and Mr. Arthur P. Butler, Jr., dated June 16, 1953, outlining questions to be covered in the report of the examining engineers, are enclosed.

If your office recommends either the proposed program as submitted by the Applicant, or an alternate one approved by the Applicant, please furnish us with the required detailed information to draft a contract.

We note in your memorandum dated June 5, 1953, transmitting this application to Washington, that one copy of the application was retained by your office.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Enclosures

APPROVED:

A. N. Hedges
Member, Bureau of Mines

A R Kinkel
Member, Geological Survey

IN REPLY REFER TO:

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

E. Wm. Ellis, DMEA Member
Uranium Commodity Committee
Arthur P. Butler, Jr., USGS Member
Uranium Commodity Committee

June 16, 1953

Application DMEA Docket 3069 (uranium), The Mayflower Co., applicant, 623 Judge Building, Salt Lake City, Utah; Little Joe No. 1, and Sailor Nos. 1 to 6 claims, Secs. 28 and 29 (unsurveyed) T. 28 S., R 19 E. San Juan Co., Utah.

The application for Government assistance to explore the property identified in the subject above has been reviewed and discussed with H. D. Keiser, Bureau of Mines member, Uranium Commodity Committee and J. O. Hosted, U. S. Atomic Energy Commission.

Proposal

The applicant proposes to explore uranium-bearing beds in the Shinarump conglomerate by 3400 feet of bulldozer stripping, 1000 feet of underground drifting, and 4,800 feet of wagon drill holes at an estimated total project cost of $46,050.

Comment

Uranium is present in the lower part of the Shinarump conglomerate at various points on the applicants claims as indicated by the analyses of samples given on page 3 of the supporting information accompanying the application. Locally the concentrations appear to be of commercial grade and thickness, as samples 2 and 6 contain 0.253 and 0.125 percent U_2O_8 for thickness as of 1.8 and 3.0 feet respectively. About 15 tons of ore containing 0.20 percent U_3O_8 have been mined and stockpiled.

Based on the information furnished by the applicant, this property may warrant some exploration. Data furnished with the application are inadequate however, for estimating the merits of the applicants specific proposals. For example, the locations of samples are not shown on the map, nor is enough information shown to relate exploration to position of uranium-bearing rock. These can be obtained best by Field Team examination or consultation with geologists of the Atomic Energy Commission, Grand Junction, Colo. who have studies and mapped the deposit.

The need for the drifting proposed by the applicant appears dubious. Drilling depths are shallow and patterns of holes spaced 50 feet apart in the vicinity of the proposed drifts should give useful information for about 1/9 the cost of the underground work. Even if offset holes at distances of 25 feet seemed desirable in a few small areas the cost would still be not more that 1/4 the underground work.

Recommendation

I recommend that this application be referred to the Field Team for review, evaluation, and recommendation concerning its merit and feasibility. I suggest that the examining members of the Field Team consult with geologists of the Atomic Energy Commission who have examined the property to obtain the benefit of their information and suggestions. I also suggest that they consider the possibility and desirability of substituting drilling for the proposed drifting.

Copy to: E. W. Ellis

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

June 15, 1953

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4640

From: H. D. Keiser, Bureau of Mines Member
Uranium Commodity Committee

Subject: DMEA Docket 3069, Mayflower Co., 623 Judge Building, Salt Lake City, Utah.

I have reviewed the application included in the subject docket and have discussed it with Arthur P. Butler, Geological Survey Member, and Joseph O. Hosted, representative of the Atomic Energy Commission.

It is recommended that the application be sent to the field team for investigation and report, and that the field team be requested to consider wagon drilling in lieu of the underground drifting listed on page 6 of the application.

/s/ H. D. Keiser

H. D. Keiser

Attachment

c
o
p
y

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

Mining Division
Date Rec'd
OCT 5 - 1953
BUREAU OF MINES
Denver, Colorado

OCT - 1 1953

Mr. J. W. Randall, President
The Mayflower Company
623 Judge Building
Salt Lake City, Utah

Re: Docket No. DMEA-3069 (Uranium)
Sailor and Little Joe Group of Claims
San Juan County, Utah

Dear Mr. Randall:

We acknowledge receipt of your letter dated September 23, 1953, with the attached copies of Owner's Consent to Lien forms and the original and three copies of an Assignment from Great Basin Oil and Leasing Company to the Mayflower Company of all the claims involved in your application.

This Agency now requires that the "Owner's Consent to Lien" shall be submitted on the new MF-203 forms (Revised July 1, 1953). We are enclosing 14 of these forms, which should be filled out and returned to this office. We trust this will not cause you any great inconvenience.

Your application has been referred for a field examination to the Executive Officer of Region IV at the following address:

Mr. W. H. King
Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

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

Sincerely yours,

Frank E. Johnson

Acting Administrator

Enclosures 14

Messrs: H. D. Keiser, Rm. 3641
A. P. Butler, Jr., Rm. 3212, GSA
Ellis
Murphy
DMEA Field Team, Region IV (2)

FMMurphy/db
9-29-53
cc to: Adm. Reading File
Docket

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

Mining Division
Department

FEB - 9 1954

FEB 11 1954

BUREAU OF MINES
Denver, Colorado

Mr. J. . Randall, President
The Mayflower Company
400 Boston Building
Salt Lake City, Utah

Re: Docket No. DMEA-3069 (Uranium)
Sailor and Little Joe Group of Claims
San Juan County, Utah

Dear Mr. Randall:

Reference is made to your letter of January 29, 1954, and your earlier letter of November 9, 1953, wherein you inquired about the status of the subject application.

The report of the Field Team is presently being reviewed in this office, and we will advise you our decision at the earliest possible date.

Sincerely yours,

SIGNED

Ernest M. Ellis, Chief
Rare & Misc. Metals Division

FLKnouse/gla
2-8-54
cc to: Adm. Reading File
Docket
Messrs. HDKeiser, Rm. 3641
APButler, Jr., Rm. 3212, GSA
Ellis
Knouse
DMEA Field Team, Region IV (2)

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

FEB - 9 1954

Mr. J. [illegible] Randall, President
The Mayflower Company
[illegible] Boston Building
Salt Lake City, Utah

Re: Docket No. [illegible]-3069 (Uranium)
Sailor and Little Joe Group of Claims
San Juan County, Utah

Dear Mr. Randall:

Reference is made to your letter of January 29, 1954, and your earlier letter of November 9, 1953, wherein you inquired about the status of the subject application.

The report of the Field Team is presently being reviewed in this office, and we will advise you our decision at the earliest possible date.

Sincerely yours,

SIGNED

Ernest M. Ellis, Chief
Bare & Mine, Metals Division

FLEnouse/gla
2-8-54
cc to: Adm. Reading File
Docket
Messrs. HDKeiser, Rm. 3641
APButler, Jr., Rm. 3212, GSA
Ellis
Knouse
DMEA Field Team, Region IV (2)

STANDARD FORM No. 14
APPROVED BY THE PRESIDENT
MARCH 10, 1926

WHK

TELETYPE

TELEGRAM

OFFICIAL BUSINESS—GOVERNMENT RATES

FROM FLKnouse/gla

BUREAU DMEA - Interior

CHG. APPROPRIATION 14X3923.970 Working Fund, DMEA

10—1723 U. S. GOVERNMENT PRINTING OFFICE

Mr. W. H. King
Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

REOURLET DECEMBER 21, DMEA-3069, THE MAYFLOWER COMPANY. ADVISE WHEN WE MAY RECEIVE FIELD TEAM REPORT. OPERATOR HAS TWICE REQUESTED APPLICATION STATUS.

C. O. Mittendorf

Mining Division
Date Rec'd
FEB 5 - 1954
BUREAU OF MINES
Denver, Colorado

C. O. MITTENDORF, ADMINISTRATOR

C O N F I R M A T I O N
Region IV

OK VVV
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$///
310-U-G MM
GA WITH 310

DN 235 BUREAU MINES 2-3-54 4-06 PM

C O MITTENDORF

REURTT FEBRUARY 2, DMEA-3069, THE MAYFLKXXX MAYFLOWER COMPANY. FIELD TEAM REPORT MALXXX MAILED YOUR OFFICE FEBRUARY 1.

W H KING

END MSG BMH 4-07 PM

WASH DC BU MINES 310 2-3-54 3-30 PM

XXXX MR W H KING,

REOURLET DECEMBER 21, DEXXXXXXXX DMEA-3060, THE MAYFLOWER COMPANY. ADVISE WHEN WE MAY RECEIVE FIELD TEAM REPORT. OPERATOR HAS TWICE REQUESTED APPLICATION STATUS.

C O MITTENFXXX MITTENDORF, ADMINISTRATOR

224 New Customhouse
Denver 2, Colorado

January 28, 1954.

Memorandum

To: Secretary to the Operating Committee, Defense Minerals Exploration Administration

From: Field Team, Region IV

Subject: Report of Examination - DMEA Docket No. 3069 (Uranium), Mayflower Company, Sailor and Little Joe, San Juan County, Utah.

Enclosed are the original and three copies of the report pertaining to the above application.

The applicant requested exploration assistance in stripping, drifting and wagon drilling which he estimated would cost $46,050.00.

Geologically it is believed that the Shinarump conglomerate is unfavorable for ore in this area and we recommend that the application be denied.

W. H. King

A. H. Koschmann

Enclosures

HMC:cwm

cc: RFFischer w/copy of Report of Examination
SRWilson " " " " "
ERGordon " " " " "
AHKoschmann " " " " "
DMEA " " " " "
Mining Div. " " " " "
AHKoschmann (2)
Docket
Chron.

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

Mining Division
Date Rec'd.
DEC 23 1953
BUREAU OF MINES
Denver, Colorado

DEC 21 1953

Mr. W. H. King
Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-3069 (Uranium)
The Mayflower Company
Sailor and Little Joe Group of Claims
San Juan County, Utah

Dear Mr. King:

Reference is made to your monthly report for November in which we note that an examination of the subject property was made on October 27, 1953, and the report by Geological Survey was transmitted on November 10, recommending denial. Kindly adivse us when we may expect to receive the Field Team report and recommendations.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

APPROVED:

A. Heffelfinger
Member, Bureau of Mines

T. P. Thayer
Member, Geological Survey

224 New Customhouse
Denver 2, Colorado

December 28, 1953

Memorandum

To: S. R. Wilson

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMEA 3069 (Uranium), Mayflower Company, Sailor and Little Joe Group of Claims, San Juan County, Utah

Attached is a copy of a letter dated December 21, 1953 from the Chairman, Operating Committee, DMEA.

W H King
W. H. King

Enclosure

HMC:fwo

cc Subject
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

Mining Division
Date Rec'd
JAN 27 1954
BUREAU OF MINES
Denver, Colorado

January 25, 1954

Memorandum

To: W. H. King, Executive Officer, DMEA Field Team, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA 3069 (Uranium), Mayflower Company, San Juan County, Utah

An examination of the subject property was made by W. E. Young with Warren Finch of the Survey October 27 and 28, 1953. Inasmuch as the Survey has transmitted a report to Denver recommending denial, no report will be prepared by the Bureau of Mines.

Stephen R. Wilson

Enclosure

Mr. J. F. Shaw delivered subject brochure to Mr. S. R. Wilson on December 7, 1953

3069

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

January 25, 1954

Memorandum

To: W. H. King, Executive Officer, DMEA Field Team, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA 3069 (Uranium), Mayflower Company, San Juan County, Utah

An examination of the subject property was made by W. E. Young with Warren Finch of the Survey October 27 and 28, 1953. Inasmuch as the Survey has transmitted a report to Denver recommending denial, no report will be prepared by the Bureau of Mines.

Stephen R. Wilson

Stephen R. Wilson

Enclosure

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

Mining Division
Date Rec'd
DEC 9 - 1953
BUREAU OF MINES
Denver, Colorado

December 8, 1953

Memorandum

To: Stephen R. Wilson, Chief, Minerals Development Branch, Mining Division, Region IV

From: R.P. Fischer, Acting District Supervisor
Colorado Plateau District Office

Subject: Docket No. DMEA 3069, Mayflower Co., San Juan County, Utah

Enclosed is a copy of geologic report, DMEA 3069, on the Mayflower Company, Sailor and Little Joe group of claims, San Juan County, Utah. This was requested in your memorandum of December 3.

The brochure was returned to A. H. Koschmann, Denver, on November 20.

R. P. Fischer

MLR
Enclosure

cc: W. H. King

6-303
(March 1947)

WDK
STCB
Rosbrough
RMCA Felber

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Salt Lake City, Utah

No. 10

Report to Mr. W. E. Young

Chemical Laboratory Report

Date received Nov. 3, 1953

Date reported Nov. 4, 1953

Serial No.	DESCRIPTION	Lot No.	%	U_3O_8	V_2O_5	$CaCO_3$
	Mayflower Mines Sailor Group Wayne County, Utah					
19305		U.E.Young 1		0.010	0.02	6.6

Mining Division
Date Rec'd
NOV 6 - 1953
BUREAU OF MINES
Denver, Colorado

3069

cc: S. R. Wilson
W. H. King

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed H. E. Peterson

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

Mining Division
Denver, Colorado

October 20, 1953

Memorandum

To: R. P. Fischer, Acting District Supervisor, Colorado Plateau District, U. S. Geological Survey

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA 3069, Mayflower Mines, San Juan County, Utah

This will confirm the tentative arrangement for W. E. Young to meet Warren Finch at Crescent Junction October 27, 1953, to examine the subject property. After my telephone conversation with you October 20, 1953, I talked with John Shaw of the Denver Office and it was arranged for W. M. Traver to transfer the information concerning the subject docket to this office. Young will therefore meet Finch as planned.

Stephen R. Wilson

Stephen R. Wilson

cc: W. H. King (2)

file

df

224 New Customhouse
Denver 2, Colorado

October 8, 1953

Memorandum

To: ~~W. M. Traver~~ changed to Wilson

R. P. Fischer (with brochure)

From: Field Team, Region IV

Subject: Docket DMEA 3069 (Uranium), The Mayflower Company, Sailor & Little Joe Groups, San Juan County, Utah

Enclosed herewith is the subject application for Government assistance in exploration work estimated to cost $46,050.00.

The brochure consists of Form MF-103 complete, a copy of the lease and agreement, consent to assignment, assignment and agreement, description of 17 claims, assignment from Shale to Turner, and two maps shown as Figure 1 and Figure 2.

Your attention is directed to the attached copies of letters from the Operating Committee.

A suitable report is required.

W. H. King
W. H. King

W.H.K.

A. H. Koschmann
A. H. Koschmann

Enclosure

HMC
HMC:fwo

cc Subject
Chron
Koschmann (2)

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

SEP 1 1953

Mr. J. W. Randall, President
The Mayflower Company
623 Judge Building
Salt Lake City, Utah

Re: Docket No. DMEA-3069 (Uranium)
Sailor and Little Joe Group of Claims
San Juan County, Utah

Dear Mr. Randall:

A review of your application of May 29, 1953, for an exploration contract in the amount of $46,050.00, reveals that a letter was sent you on July 10, in response to your letter dated June 29, 1953, requesting certain data which would enable this Agency to process your application.

Nothing further has been received from you and 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 by September 30, 1953, we will then consider the docket closed.

Sincerely yours,

SIGNED
Ernest Wm. Ellis, Chief
Rare and Misc. Metals Division

FLKnouse/gla/db
8-31-53
cc to: Adm. Reading File
Docket
Messrs: H. D. Keiser, Rm. 3641
A. P. Butler, Jr., Rm. 3206, GSA
Ellis
Knouse
DMEA Field Team, Region IV (2)

140

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

JUL 10 1953

Mr. J. W. Randall, President
The Mayflower Company
623 Judge Building
Salt Lake City, Utah

Re: Docket No. DMEA-3069 (Uranium)
Sailor and Little Joe Group of Claims
San Juan County, Utah

Dear Mr. Randall:

This responds to your letter dated June 29 in reply to our letter dated June 25 concerning the above-described application for aid in a minerals exploration project.

Our letter dated June 25 made the following points:

1. That as both your company and the Great Basin Oil and Leasing Company hold a lease of four claims, and an option to purchase three other claims, your company must demonstrate a sufficient interest in these claims for the purposes of the exploration project contract, such as by an assignment or lease from the Great Basin Oil and Leasing Company, with the consent of the lessor and optionor; and

2. The option to purchase the three claims does not authorize exploration or mining, and we require evidence of your right to explore and mine.

With respect to the first point, your letter of June 29 states that your company and the Great Basin Oil and Leasing Company are equal owners of the lease and option, and that under an agreement between the two companies, your company is the operating company of the claims. If you will furnish us with a copy of the agreement between the two companies we will be able to determine whether your company has a sufficient interest in the claims for the purposes of an exploration project contract.

Your letter made no comment with respect to the second point.

Upon receipt of the evidence requested, we shall give further consideration to the application of your company.

Sincerely yours,

SIGNED

Ernest Wm. Ellis, Chief
Rare and Misc. Metals Division

HCRubin/ema/7-9-53

cc: Mails & Files
Adm. R. File
H. D. Keiser, Rm. 3641
A. P. Butler, Jr., Rm. 3206, GSA
DMEA Field Team, Region IV (2)
E. W. Ellis
H. C. Rubin
J. L. Hofflund
Chron.

140

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

IV

W.H.K.

JUL 10 1953

Mining Division
Date Rec'd.
JUL 11 1953
BUREAU OF MINES
Denver, Colorado

Mr. J. W. Randall, President
The Mayflower Company
623 Judge Building
Salt Lake City, Utah

Re: Docket No. DMEA-3069 (Uranium)
Sailor and Little Joe Group of Claims
San Juan County, Utah

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2. The option to purchase the three claims does not authorize exploration or mining, and we require evidence of your right to explore and mine.

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Copy prepared for signature

R.H.B.

Your letter made no comment with respect to the second point.

Upon receipt of the evidence requested, we shall give further consideration to the application of your company.

Sincerely yours,

SIGNED

Ernest Wm. Ellis, Chief
Rare and Misc. Metals Division

HCRubin/ema/7-9-53

cc: Mails & Files
Adm. R. File
H. D. Keiser, Rm. 3641
A. P. Butler, Jr., Rm. 3206, GSA
DMEA Field Team, Region IV (2)
E. W. Ellis
H. C. Rubin
J. L. Hofflund
Chron.

W.R.K

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

Mining Division
Date Rec'd
JUN 29 1953
BUREAU OF MINES
Denver, Colorado

JUN 25 1953

Mr. J. W. Randall, President
The Mayflower Company
623 Judge Building
Salt Lake City, Utah

Re: Docket No. DMEA-3069 (Uranium)
Sailor and Little Joe Group of Claims
San Juan County, Utah

Dear Mr. Randall:

Reference is made to your application for Government aid to explore the captioned property.

In reviewing your application, it appears that your company does not have a sufficient interest in the land for the purposes of an exploration project contract, for the following reasons: With respect to the Sailor Nos. 1, 2, and 3 and the Little Joe No. 1 claims, the assignment from the lessee Magliaccio runs to both The Mayflower Company and the Great Basin Oil and Leasing Company. Thus, The Mayflower Company has less than a full interest in the assigned lease. We require, therefore, that The Mayflower Company demonstrate a full interest in the leased land, either by assignment to them from Great Basin Oil and Leasing Company, or by lease from the latter company, in either event with the consent of the lessor.

With respect to the Sailor Nos. 4, 5, and 6 claims, for which an option to purchase was assigned by I. E. Shale to both The Mayflower Company and the Great Basin Oil and Leasing Company, the comment in the previous paragraph concerning less than full interest of The Mayflower Company, applies. In addition, the option to purchase does not authorize exploration or mining prior to the payment of all purchase money. We require evidence of the right to mine or explore precedent to further consideration of the application for a contract. Upon receipt of evidence indicating a sufficient interest in the land held by your company, we shall continue processing your application.

If a contract is recommended and approved, we will require seven (7) executed "Owner's Consent to Lien" forms (MF-203) from each owner of the land concerned, prior to the execution of a contract. We are, therefore, enclosing sixteen (16) copies of those forms.

Sincerely yours,

SIGNED

Ernest Wm. Ellis, Chief
Rare and Misc. Metals Division

HCRubin/FLKnouse/db
6-24-53
cc to: Adm. Reading File
Docket
Messrs: H.D.Keiser, Rm. 3641
A.P.Butler, Jr., Rm. 3206, GSA.
HCRubin, Rm. 4628
Ellis / Knouse / DMEA FIELD TEAM, Region IV (2)

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

JUN 25 1953

Mr. J. W. Randall, President
The Mayflower Company
623 Judge Building
Salt Lake City, Utah

Re: Docket No. DMEA-3069 (Uranium)
Sailor and Little Joe Group of Claims
San Juan County, Utah

Dear Mr. Randall:

Reference is made to your application for Government aid to explore the captioned property.

In reviewing your application, it appears that your company does not have a sufficient interest in the land for the purposes of an exploration project contract, for the following reasons: With respect to the Sailor Nos. 1, 2, and 3 and the Little Joe No. 1 claims, the assignment from the lessee Magliaccio runs to both The Mayflower Company and the Great Basin Oil and Leasing Company. Thus, The Mayflower Company has less than a full interest in the assigned lease. We require, therefore, that The Mayflower Company demonstrate a full interest in the leased land, either by assignment to them from Great Basin Oil and Leasing Company, or by lease from the latter company, in either event with the consent of the lessor.

With respect to the Sailor Nos. 4, 5, and 6 claims, for which an option to purchase was assigned by I. I. Shale to both The Mayflower Company and the Great Basin Oil and Leasing Company, the comment in the previous paragraph concerning less than full interest of The Mayflower Company, applies. In addition, the option to purchase does not authorize exploration or mining prior to the payment of all purchase money. We require evidence of the right to mine or explore precedent to further consideration of the application for a contract. Upon receipt of evidence indicating a sufficient interest in the land held by your company, we shall continue processing your application.

If a contract is recommended and approved, we will require seven (7) executed "Owner's Consent to Lien" forms (MF-203) from each owner of the land concerned, prior to the execution of a contract. We are, therefore, enclosing sixteen (16) copies of those forms.

Sincerely yours,

SIGNED

Ernest Wm. Ellis, Chief
Rare and Misc. Metals Division

HCRubin/FLKnouse/db
6-24-53
cc to: Adm. Reading File
Docket
Messrs: H.D.Keiser, Rm. 3641
A.P.Butler, Jr., Rm. 3206, GSA.
HCRubin, Rm. 4628
Ellis / Knouse / DMEA FIELD TEAM, Region IV (2)

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

Mining Division
Date Rec'd
JUN 15 1953
BUREAU OF MINES
Denver, Colorado

June 9, 1953

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

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 IV

DMEA - 3069 , The Mayflower Co.

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

38226

224 New Customhouse
Denver 2, Colorado

June 5, 1953

Memorandum

To: Secretary to the Operating Committee, Defense Minerals Exploration Administration

From: Field Team, Region IV

Subject: (Uranium) Application of The Mayflower Co., 623 Judge Building, Salt Lake City, Utah

Enclosed are three copies of the subject application requesting exploration aid in the amount of $46,050.00. One copy of the application is being retained in this office.

W. H. King

W. H. King

A. H. Koschmann

A. H. Koschmann

W.H.K.

Enclosure

HMC:fwo

cc Subject
Chron
Koschmann (2)

DEALERS IN UTAH AND WYOMING
OIL LANDS, ROYALTIES AND OIL LEASES

The Mayflower Company

ROOMS 24-25
STOCK EXCHANGE BUILDING
39 EXCHANGE PLACE
SALT LAKE CITY 1, UTAH
PHONE 5-6777

Mining Division
Date Rec'd.
JUN 2 - 1953
BUREAU OF MINES
Denver, Colorado

May 29th, 1953

Executive Officer
Defense Minerals Exploration Administration
224 New Customs House
Denver 2, Colorado

Dear Sir:

Attached are four copies of completed application form for DMEA loan on uranium property at San Juan County, Utah. Also enclosed is supporting evidence as required by DMEA Order 1.

Our application for assistance for exploration on our property was delayed due to the untimely death of two of our employees responsible for the preparation of the application, who were killed in an airplane crash at Moab, Utah.

Anything that can be done to expedite the processing of this application will be greatly appreciated.

Very truly yours,

THE MAYFLOWER COMPANY

By W. Randall
President

mws

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

Mining Division
Denver Field
DEC 1953
BUREAU OF MINES
Denver, Colorado

December 3, 1953

Memorandum

To: R. P. Fischer, Acting District Supervisor, U. S. Geological Survey, Grand Junction, Colo.

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA 3069, Mayflower Co., San Juan County, Utah

According to your weekly report, information assembled as a result of examination of the subject docket by your office was transmitted to Denver November 10, 1953. We will appreciate receiving a copy of this report and also a copy of the brochure to enable us to prepare an engineering report. If the brochure was transmitted to Denver, I will request W. H. King to return it for our use. As I recall, only one copy of the brochure was available at the time the information was originally mailed to this office.

Stephen R. Wilson
Stephen R. Wilson

cc: W. H. King (2)

taken to SLC 12-7-53

WHK,

2 1 copy of GS report

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

December 3, 1953

Memorandum

To: R. P. Fischer, Acting District Supervisor, U. S. Geological Survey, Grand Junction, Colo.

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA 3069, Mayflower Co., San Juan County, Utah

According to your weekly report, information assembled as a result of examination of the subject docket by your office was transmitted to Denver November 10, 1953. We will appreciate receiving a copy of this report and also a copy of the brochure to enable us to prepare an engineering report. If the brochure was transmitted to Denver, I will request W. H. King to return it for our use. As I recall, only one copy of the brochure was available at the time the information was originally mailed to this office.

Stephen R. Wilson
Stephen R. Wilson

cc: W. H. King (2)

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

224 New Customhouse
Denver 2, Colorado

January 28, 1954.

Memorandum

To: Secretary to the Operating Committee, Defense Minerals Exploration Administration

From: Field Team, Region IV

Subject: Report of Examination - DMEA Docket No. 3069 (Uranium), Mayflower Company, Sailor and Little Joe, San Juan County, Utah.

Enclosed are the original and three copies of the report pertaining to the above application.

The applicant requested exploration assistance in stripping, drifting and wagon drilling which he estimated would cost $46,050.00.

Geologically it is believed that the Shinarump conglomerate is unfavorable for ore in this area and we recommend that the application be denied.

W H King
W. H. King

A. H. Koschmann
A. H. Koschmann

Enclosures

HMC:cwm

cc: RPFischer w/copy of Report of Examination
SRWilson " " " " "
EMGordon " " " " "
AHKoschmann " " " " "
DMEA " " " " "
Mining Div. " " " " "
AHKoschmann (2)
Docket
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

WASHINGTON 25, D. C.
Denver Federal Center
Denver 2, Colorado

November 12, 1953

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 3069, Mayflower Company, Sailor and Little Joe group of claims, San Juan County, Utah

Attached are 11 copies of the geologic report by W. I. Finch, U. S. Geological Survey, covering the subject docket.

It has been recommended that the application for exploration assistance be denied.

E. M. Hauchman
for A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (11)

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 360
GRAND JUNCTION, COLORADO

November 10, 1953

MEMORANDUM

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

From: R. P. Fischer
Acting Supervisor, Colorado Plateau District

Subject: DMEA Docket 3069, Mayflower Company, Sailor and Little Joe group of claims, San Juan County, Utah.

Transmitted herewith are eleven copies of a geologic report on the Mayflower Company's Sailor and Little Joe group of claims, San Juan County, Utah. The company applied for assistance to explore for uranium deposits in the Shinarump conglomerate by 3,400 feet of bulldozer stripping, 1,000 feet of underground drifting and 4,800 feet of wagon drilling at an estimated cost of $46,050.

The attached report was prepared by W. I. Finch and is based on a field examination made jointly with W. Young, Bureau of Mines, October 28, 1953. The application was discussed with the Atomic Energy Commission's field geologists who have studied the geology of the area concerned, and they concur in general with the appraisal made by the examing field team.

Finch concludes that the applicant has little chance of discovering minable deposits because (1) geologically the Shinarump conglomerate is relatively unfavorable for ore in the area examined, and (2) the applicant has done considerable exploration in this area without discovering new minable ore bodies. Finch recommends that the application be denied. I concur with his recommendation.

Sincerely yours,

R. P. Fischer

R. P. Fischer
Acting District Supervisor
Colorado Plateau District

Enclosures (11)

UNITED STATES DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMEA 3069 (Uranium)

The Mayflower Company, Sailor and Little Joe group of claims
San Juan County, Utah

Geologic report

Warren I. Finch, Geologist
Geological Survey

November 10, 1953

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2. Map of geology and proposed exploration Sailor group of claims, Mayflower Company, San Juan County, Colorado . . . . . .(in back of report)

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DMEA 3069

THE MAYFLOWER COMPANY, SAILOR AND LITTLE JOE GROUP OF CLAIMS, SAN JUAN COUNTY, UTAH

INTRODUCTION AND SUMMARY

The Mayflower Company, 623 Judge Building, Salt Lake City, Utah, has applied (DMEA 3069) to the Defense Minerals Exploration Administration for financial assistance to explore for uranium in the area between the Colorado and Green Rivers, San Juan County, Utah (fig. 1). The company holds an assignment of a lease on the Sailor Nos. 1, 2, and 3 claims and the Little Joe No. 1 claim and option to purchase the Sailor Nos. 4, 5, and 6 claims, all in secs. 28, 29 (unsurveyed), T. 28 S., R. 19 E., Salt Lake base and meridian. These seven unpatented mining claims are a contiguous group on the west side of the Colorado River about 20 miles southwest of Moab, Utah. The property is reached from Moab, Utah, by traveling 12 miles north on U. S. Highway 160, then west and south 18 miles on the Dead Horse Point road to "The Neck", and then down Shaeffer trail, an extremely steep and hazardous road, for 26 miles. The property is about 110 miles from the Monticello mill.

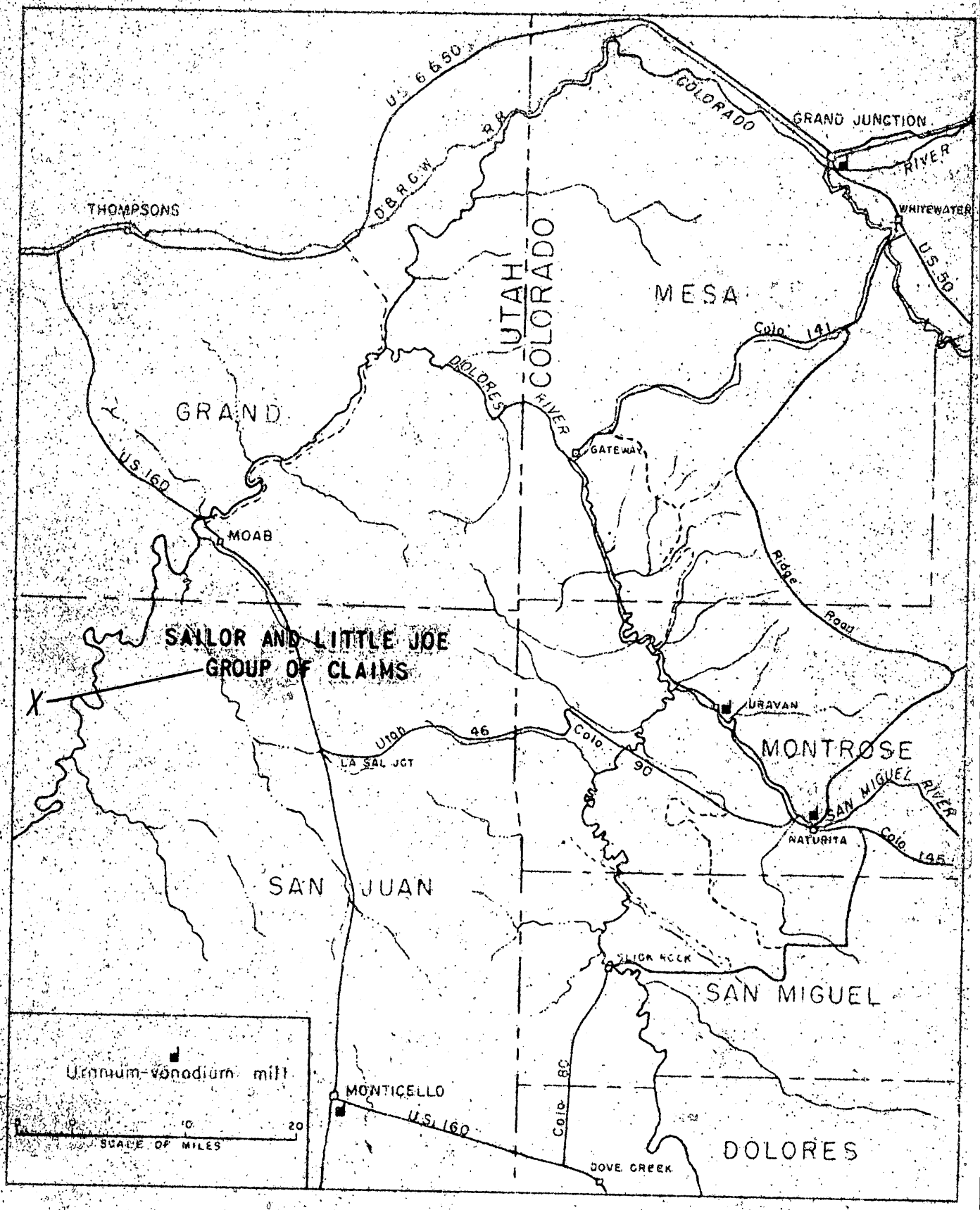

Figure 1. INDEX MAP OF PART OF THE COLORADO PLATEAU SHOWING THE LOCATION OF THE SAILOR AND LITTLE JOE GROUP OF CLAIMS, SAN JUAN COUNTY, UTAH

The ore-bearing zone is in the lower part of the Triassic Shinarump conglomerate which forms a mesa in the claimed area. Considerable rim stripping, drifting, and wagon drilling has been done by the applicant in the proposed area of exploration. Only small pockets of ore-grade material were discovered as the result of this work. The lime content of the ore is much greater than 6 percent, which imposes a penalty on the purchase of the ore, and may be as high as 30 percent.

The applicant proposed about 3,400 feet of rim stripping, 1,300 feet of drifting, and 4,800 feet of wagon drilling (fig. 2). The estimated cost of this work is $46,050, of which the Government participation would be $41,445.

The claims were examined on October 28, 1953, by W. Young, of the U. S. Bureau of Mines, and W. I. Finch, of the U. S. Geological Survey in company with H. Thorne, Foreman of The Mayflower Company. The field examiners are agreed that the amount and negative results of exploration conducted to date by the applicant, the extensive essentially barren outcrop of the ore-bearing bed, and the geologically unfavorable character of the ore-bearing bed makes it very unlikely that the applicant's proposed program will result in the discovery of ore deposits of size and grade sufficient to be economic and to warrant the estimated expenditure. It is recommended, therefore, that the application be denied.

W. Y. Isachsen and R.L. Redmond, geologists for the Atomic Energy Commission and responsible for the Commission's geologic work in this part of the San Juan County area, were consulted on whether they believe the applicant's proposed work is justified. Although they differ with the writer to some extent on the question of whether channels are present in the area examined, they agree that neither the proposed rim stripping nor the drifting is warranted and that the applicant has already wagon-drilled the most favorable ground without discovering any minable ore bodies.

Figure 2 of this report is slightly modified from the base map submitted with the applicant's brochure.

GEOLOGY

The area of the Sailor and Little Joe group of claims is in the deep canyon and plateau country southwest of Moab, Utah. Maximum relief in the area is over 2,000 feet in a distance of four miles. Rocks exposed in the area of the claims consist of sedimentary beds of Triassic age. The rocks in the area examined are essentially flat-lying.

The Moenkopi formation, Shinarump conglomerate, and lower beds of Chinle formation, all of Triassic age, crop out in the claimed area. The Shinarump conglomerate caps a small peninsula-like mesa which juts out from a 1,000 foot cliff formed by higher formations.

The Moenkopi formation consists mainly of red siltstone and fine-grained sandstone. The upper 1 to 3 feet of the Moenkopi is bleached to light-green in color locally near uranium-bearing rock. The upper surface of the Moenkopi is irregular with local scours as much as 6 feet deep. Structural contours on this surface mapped by the Atomic Energy Commission were interpreted as channel scours (fig. 2). However, these relatively shallow channels (not readily observed by eye) do not project to outcrops 500 to 1,000 feet away. Thus, the writer believes that the proposed scours represent irregularities in the Moekopi surface rather than channels.

The Shinarump conglomerate consists mainly of thinly bedded and cross-bedded coarse to conglomeratic sandstone interbedded with mudstone. The rocks are gray, green, and brown in color; are well cemented with lime; and appear to be impermeable. Pebbles consist of chert, quartzite, quartz, limestone, and sandstone. The Shinarump sandstone in this area is dirty compared to the clean Shinarump sandstones which are considered as being favorable for ore deposits. The nearest channels are about 5 miles to the north. Because no definite channels were observed in the area examined, it is believed the Shinarump is relatively unfavorable for ore deposits in this ground. Gypsum, limonite, and carbonaceous material are abundant in the Shinarump beds.

The Shinarump, which averages 35 feet in thickness, grades into the overlying thinly bedded limy fine-grained sandstone and mudstones of the Chinle formation. A maximum thickness of 40 feet of the Chinle is exposed in the area examined.

ORE DEPOSITS

In the general area of the Sailor and Little Joe group of claims, significant uranium deposits are found near the base of Shinarump channels filled with relatively clean conglomeratic sandstone and mudstone. These channels cut into the Moenkopi 10 to 20 feet and can be traced as far as 2,500 feet. Some carbonaceous material is associated with the ore. Pitchblende is the dominant uranium mineral and is associated with copper sulfides and pyrite. These deposits range in size from a few hundred tons to several thousand tons.

Uranium-bearing material in the Sailor and Little Joe group of claims consists mostly of radioactive carbonaceous material near the Shinarump-Moenkopi contact. Yellow uranium minerals were observed in some of the carbonaceous material, but no uranium minerals were found impregnating the surrounding rock. Uranium-bearing material of ore grade consists mostly of carbonaceous seams, fragments of wood, and carbonaceous trash accumulations. The ore seams, or pockets, are small and minable thickness and continuity of ore-grade rock are lacking. Based upon extensive study of uranium deposits elsewhere in the Shinarump conglomerate, it is believed very unlikely that ore deposits greater than 50 tons are present in the Sailor and Little Joe group of claims.

Samples taken by the applicant and the Atomic Energy Commission are shown in table 1. The ore-grade samples range from 0.11 to 0.253 percent U_3O_8. Radiometric analyses of four samples indicate that the uranium is nearly in equilibrium. The lime content of these four samples averages about 30 percent (estimated "high lime" penalties would be $2.20 per ton of ore).

EXPLORATION COMPLETED BY APPLICANT

About 500 feet of rim stripping, 165 feet of drifting, and 148 wagon-drill holes have been completed by the applicant. None of this exploration disclosed ore bodies of minable size. About 15 tons of ore averaging about 0.20 percent U_3O_8 has been mined from two adits, 150 feet and 14 feet long respectively on the Sailor and Little Joe group. This ore is stockpiled at the claim site. Holes were wagon-drilled behind known mineralized outcrops and along one scour interpreted as a channel by the Atomic Energy Commission (fig. 2). Some of the holes were logged by a radiometric unit, and traces of mineralization reported in a few holes. Many of the holes were not logged because the holes closed before the unit was available. Systematic sampling was not done by the applicant

Table 1. Assays of samples from the Sailor and Little Joe group of claims reported by the applicant and the Atomic Energy Commission 1/

Sample No. applicants	Thickness samples	Location and description	Assay in Percent U_3O_8	eU_3O_8	Cu	$CaCO_3$
1	1.0	Cut of tree material Adit No. 1	0.093	-	-	-
2	1.8	Cut on stripped face Little Joe No. 1	0.253	-	-	-
3	2.6	Cut of stripped face Little Joe No. 1	0.046	-	-	-
4	1.8	Cut in Adit No. 2 near bottom of face	0.042	-	-	-
5	1.2	Cut on rim, conglomerate and sandstone, Sailor No. 3	0.087	-	-	-
6	3.0	Cut of conglomerate, sandstone, and clay on rim	0.125	-	-	-
AEC samples						
23914	1.0	East Adit- carbonaceous conglomerate sandstone and mudstones	0.01	0.02	.10	44.9
23915	1.5	Station #36 carbonaceous conglomerate	0.07	0.13	.06	43.7
23916	1.0	West Adit carbonaceous conglomerate	0.11	0.10	.01	29.6
23922	1.0	Drill hole #125, 27-28 foot interval, sample No. 3	0.01	Trace	-	9.6

1/ Approximate location of sample points shown on figure 2.

PROPOSED EXPLORATION

The applicant proposes about 3,400 feet of rim stripping, 1,300 feet of drifting, and 4,800 feet of wagon drilling (fig. 2). Field examination disclosed that only about 800 feet of the proposed rim stripping would be necessary, as the remainder of the rim is sufficiently exposed for prospecting. Because there are no minable ore bodies present in the large amount of outcrop exposures of the ore-bearing unit, additional rim stripping is believed to be unjustified. Most of the ground to be tested by drifting could be explored at 75 percent less cost by wagon drilling, but exploration of this ground is not warranted because of geologically unfavorable sandstone, and because the deposits that might be expected would be small, widely scattered and uneconomic. Wagon drilling has already been done in much of the ground considered most favorable for ore in the area examined. No ore bodies were discovered by this drilling; hence it is believed that no additional wagon drilling as proposed by the applicant is justified.

CONCLUSIONS AND RECOMMENDATIONS

An application has been received for DMEA (uranium) assistance to explore the Sailor and Little Joe group of claims, San Juan County, Utah. These claims belong to the Mayflower Company of Salt Lake City, Utah.

The uranium deposits in the Sailor and Little Joe group are very small and widely scattered in the basal part of the Triassic Shinarump conglomerate.

The uranium-bearing material consists mostly of radioactive carbonaceous material. No distinct Shinarump channels were observed and the ground is considered to be relatively unfavorable geologically for the occurrence of economic ore deposits.

Two adits, 150 feet and 14 feet long, respectively, driven by the applicant in the Sailor and Little Joe group have yielded approximately 15 tons of stockpiled ore estimated to contain 0.20 percent U_3O_8. Of several mineralized samples collected by the applicant and by the Atomic Energy Commission, only three were ore grade on the basis of chemical assays. These three samples contained from 0.11 to 0.253 percent U_3O_8. The lime content of the ore is estimated to be very high, maybe as high as 30 percent, which will impose a penalty (estimated at $2.20 per ton of ore) on the ore shipped to mill.

The applicant has completed 500 feet of rim stripping and 148 wagon-drill holes without finding ore bodies of minable size.

In this application, about 3,400 feet of rim stripping, 1,300 feet of drifting, and 4,800 feet of wagon drilling is proposed. None of this exploration is believed to be realistic or justified because of the following:

1. Deposits of more than 50 tons are not expected in the area examined because the Shinarump is relatively unfavorable geologically for the occurrence of ore.

2. Deposits less than 50 tons would be uneconomic back of the rim, and probably also at the rim because of high transportation costs and penalties imposed on the lime content of the ore.

3. No minable ore bodies have been found by appreciable wagon drilling and rim stripping already done by the applicant, and no economic deposits have been discovered along the large amount of outcrop exposure of the ore-bearing zone. The ore-bearing zone is adequately exposed along 2,600 feet of outcrop included in the 3,400 feet of rim stripping proposed by the applicant.

For these reasons it is believed that Government participation in further exploration of the Sailor and Little Joe group is not justified, and it is recommended that the application be denied.