DMA Form 1

DEFENSE MINERALS ADMINISTRATION
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DMA Docket No. 1731x

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FILE COPY
SURNAME:

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

G. E. C.

Gordon
Bourret
Keiser
Hosted

Mr. Owmes F. Baur, Sec. Treas.
Spider Uranium Mining Company
16 North State Street
Preston, Idaho

SEP 12 1951

Re: Spider Uranium Co.
Juab County, Utah
Uranium - DMA-1731x

Dear Mr. Baur:

Your application dated May 28, 1951, DMA docket 1731x, for an exploration project in the sum of $68,800, has been carefully reviewed by the Minor and Rare Metals Branch of the Supply Division.

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

Should future work on your property bring to light evidence of a more encouraging nature we would be glad to consider a new application.

Yours very truly,

BJ 9/12

Tom Lyon

Tom Lyon, Director
Supply Division

EGordon/mh 9-6-51
cc: Adm. Read. File
Lyon
Keiser-Hosted, USGS
Field Team IV
Bourret
DMA docket file

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

SEP 12 1951

Q. E. C.

Memorandum

To: Administrative Management Division

Through: Director, Supply Division

From: Minor and Rare Metals Branch

Subject: Spider Uranium Company
Juab County, Utah
Uranium - DMA docket 1731x

Under date of May 28, 1951, Mr. Ownes F. Baur, Spider Uranium Mining Company, 16 North State Street, Preston, Idaho, submitted the subject application, DMA docket 1731x, for an loan in the amount of $68,800.

Attached hereto find letter of even date addressed to applicant advising that the application must be denied, basing this action on the field team's recommendation, ~~the~~ reviewers for U.S.G.S., A.E.C. and D.M.A. concurring in same.

Complete docket is attached comprised of the following:

(a) Three copies of form MF-103 with exhibits.
(b) 4 copies of balance sheet.
(c) 1 copy of certificate of assay.
(d) 2 copies of recommendation to field team.
(e) 5 copies of letter from Mr. Page to Mr. Sheldon dated January 30, 1951.
(f) 2 copies of letter from Mr. Lyon to Mr. Baur
(g) 1 copy of field team report.

Weston Bourret
Weston Bourret, Chief
Minor and Rare Metals

Enclosure

Approved:
Tom Lyon
Director, Supply Division

FILE COPY
SURNAME:

Gordon
Bourret
Keiser

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

Memorandum

SEP 12 1951

To: Administrative Management Division

Through: Director, Supply Division

From: Minor and Rare Metals Branch

Subject: Spider Uranium Company
Juab County, Utah
Uranium - DMA docket 1731x

Under date of May 28, 1951, Mr. Owmes F. Baur, Spider Uranium Mining Company, 16 North State Street, Preston, Idaho, submitted the subject application, DMA docket 1731x, for an loan in the amount of $68,800.

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(f) 2 copies of letter from Mr. Lyon to Mr. Baur
(g) 1 copy of field team report.

BJ 9/12

Weston Bourret
Weston Bourret, Chief
Minor and Rare Metals

Enclosure

Approved:

Director, Supply Division

EGordon/mh 9-6-51
cc: Adm. Read. File
Bourret
Keiser-Hosted, USGS
Field Team IV
DMA docket file

FILE COPY
SURNAME:

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

Department of the Interior
Supply Division
Defense Minerals Administration

Salaries and Expenses, Defense Production Activities, Interior, 1952

1420137

1731

DAY LETTER

September 6, 1951

Mr. Owmes F. Baur
Spider Uranium Company
16 North State Street
Preston, Idaho

INVESTIGATED YOUR APPLICATION AS PROMISED. REGRET TO REPORT APPLICATION WILL BE DENIED AS RESULT OF FIELD TEAM EXAMINATION. IF YOU DO FURTHER WORK ON PROSPECT THAT INDICATES MORE FAVORABLE EVIDENCE OF BETTER GRADE AND MORE CONTINUOUS OCCURRENCE OF URANIUM WE WILL BE PLEASED TO RECONSIDER.

Tom Lyon
TOM Lyon, DIRECTOR
SUPPLY DIVISION

TLyon:eh

cc: Admin. Reading File
Field Team II
Beurret
DMA Files

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

Memorandum

To: Director, Supply Division

From: Minor and Rare Metals Branch

Subject: Spider Uranium Company
Fish Springs Mining District
Juab County, Utah
DMA docket 1731x

16 - N. State St
Preston, Idaho

Field team reports that uranium mineralization thus far discovered is discontinuous and of low grade, hence does not justify exploration loan at present. Applicant apparently intends to explore further, so in denial letter we suggest another application if encouraging results obtained in future.

Our denial based on "Present lack of evidence to indicate the geologic probability of making a significant discovery".

Weston Bourret

Weston Bourret, Chief
Minor and Rare Metals

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

OFFICE OF
REGIONAL DIRECTOR

REGION IV

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

Air Mail

August 28, 1951

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: DMA Docket 17311, Spider Uranium Company, Fish Springs Mining District, Juab County, Utah

Enclosed are original and two copies of the above report.

The geologists recommend denial of the exploration grant until further exploration work reveals more promising showings.

We concur with this recommendation.

J. H. East, Jr.

for Ogden Tweto
A. H. Koschmann

enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

OFFICE OF
REGIONAL DIRECTOR

REGION IV

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

Air Mail

August 28, 1951

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: DMA Docket 1731X, Spider Uranium Company, Fish Springs Mining District, Juab County, Utah

Enclosed are original and two copies of the above report.

The geologists recommend denial of the exploration grant until further exploration work reveals more promising showings.

We concur with this recommendation.

J. H. East, Jr.

for A. H. Koschmann

enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Defense Minerals Administration
200 New Customhouse
Denver 2, Colorado

August 22, 1951

Memorandum

To: DMA Field Team, Region IV

From: A. H. Koschmann

Subject: DMA Docket 1731X, Spider Uranium Company, Fish Springs Mining District, Juab County, Utah

Enclosed are 8 copies of a geologic report by D. C. Arnold and G. C. Simmons of the U. S. Geological Survey covering the above docket.

A. H. Koschmann
A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (9)

C O P Y

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Room 307, 320 South Main
Salt Lake City 1, Utah
14 August 1951

Memorandum

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

From: Ralph J. Roberts

Subject: Docket DMA 1731X, Spider Uranium Company, Fish Springs Mining District, Juab County, Utah

Please find enclosed 8 copies of a report on the Spider Uranium Mining Company Docket, DMA-1731X, Fish Springs Mining District, Juab County, Utah.

In response to a request from the Field Team, Region IV dated July 20, 1951, the property was examined July 26-27, 1951 by D. C. Arnold and G. C. Simmons, of the U. S. Geological Survey.

The uranium mineralization in the Honeycomb Hills occurs as fillings and coatings on fractures in rhyolite and rhyolite breccia. The uranium mineralization thus far discovered is discontinuous and of low grade; it is concluded that the property does not warrant an exploration loan at this time, and it is recommended that the loan for exploration be denied. The applicant proposes to do further exploratory work; if this work is successful, it is suggested that the property be re-examined.

I concur with the examining geologists conclusions and recommendations that the application for an exploration loan be denied until further exploratory work reveals more promising showings.

/s/ Ralph J. Roberts

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

Docket DMA-1731X, Spider Uranium Mining Company

Juab County, Utah

(Uranium)

D. C. Arnold and G. C. Simmons, Geologists
U. S. Geological Survey

August 13, 1951

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Figure 2. Geologic Sketch Map of the Spider No. 1 Claim

Figure 3. Map of Inclined Adit

Figure 4. Section Along Inclined Adit

Docket DMA 1731X, Spider Uranium Mining Company

Fish Springs Mining District

Juab County, Utah

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

The Spider Uranium Mining Company, Docket DMA 1731X, Fish Springs Mining District, Juab County, Utah made application for an exploration loan of $68,800.00 for further exploration of Uranium.

In response to a request by the Field Team, Region IV, the property was examined by D. C. Arnold and G. C. Simmons of the U. S. Geological Survey July 26-27, 1951. The property has previously been examined by Mr. M. H. Staatz and H. L. Bauer as part of the Trace Elements program of the U. S. Geological Survey.

The property is approximately 15 miles southeast of the town of Callao in the Honeycomb Hills. The Honeycomb Hills are composed of rhyolite and rhyolite breccia. The rocks dip away from the workings on both the northeast and the southwest sides. This dip appears to be primary flow structure rather than the result of later folding. No faults of large displacement were observed, but numerous faults of small displacement occur in the first 250 feet of the incline.

The Uranium minerals at the Spider Uranium Claims occur as yellow-green flakes filling fractures and as coatings on fracture surfaces in both the rhyolite and rhyolite breccia. The minerals have been identified by the U. S. Geological Survey as being sklodowskite and soddyite (uranium silicates). The association of fluorite and hydrothermal (?) montmorillonite with the uranium mineralization suggests that the uranium minerals have not been transported far from the place of primary deposition.

Exploratory work to date has not revealed any concentration of uranium of minable size. As the uranium minerals form thin fillings and coatings in widely spaced fractures, calculation of ore reserves is impracticable.

The applicant has proposed two exploration projects: (1) to extend the incline adit 1,000 feet, and (2) to explore promising areas by 4,000 feet of diamond drilling.

Because the uranium mineralization thus far discovered is discontinuous and of low grade, it is concluded that the property does not at this time warrant an exploration loan.

The applicant plans to continue exploratory work, and it is recommended that the property be re-examined after the tunnel has been extended 300 feet. If the uranium mineralization then shows an increase in size or grade, the property should be reconsidered for an exploration loan.

Docket DMA 1731X, Spider Uranium Mining Company

Fish Springs Mining District

Juab County, Utah

INTRODUCTION

Docket DMA 1731X is an application outlining a $68,800.00 exploration at the Spider Uranium Mine, in the Honeycomb Hills, Juab County, Utah. The program proposes 1,000 feet of incline and 4,000 feet of diamond drilling to explore the downward extension of uranium mineralization exposed by surface workings.

In response to a request by the Field Team, Region IV, the property was examined by David C. Arnold and George C. Simmons of the U. S. Geological Survey July 26-27, 1951. M. H. Staatz, of the Survey, accompanied these men on the first day of the examination. Mr. O. F. Baur, Secretary-Treasurer, and Mr. J. W. McAffee, President of the Spider Uranium Company, were at the property during the examination.

The property had previously been examined in October 1950, as part of the Trace Elements program, by M. H. Staatz and H. L. Bauer of the Geological Survey, who prepared a memorandum report[1].

---

[1] Staatz, M. H. and Bauer, H. L., Jr., Preliminary examination of the Uranium Prospect at the Spider No. 1 claim, Honeycomb Hills, Juab County, Utah: Trace Elements Memorandum Report 165, Oct. 1950.

Uranium mineralization was first discovered on the northwestern side of the Honeycomb Hills, a group of hills that rise about 500 feet above the valley floor, in May, 1950, by H. P. Bertelsen of Marysvale, Utah. Since then the deposit has been prospected by three open pit cuts and a 560-foot inclined

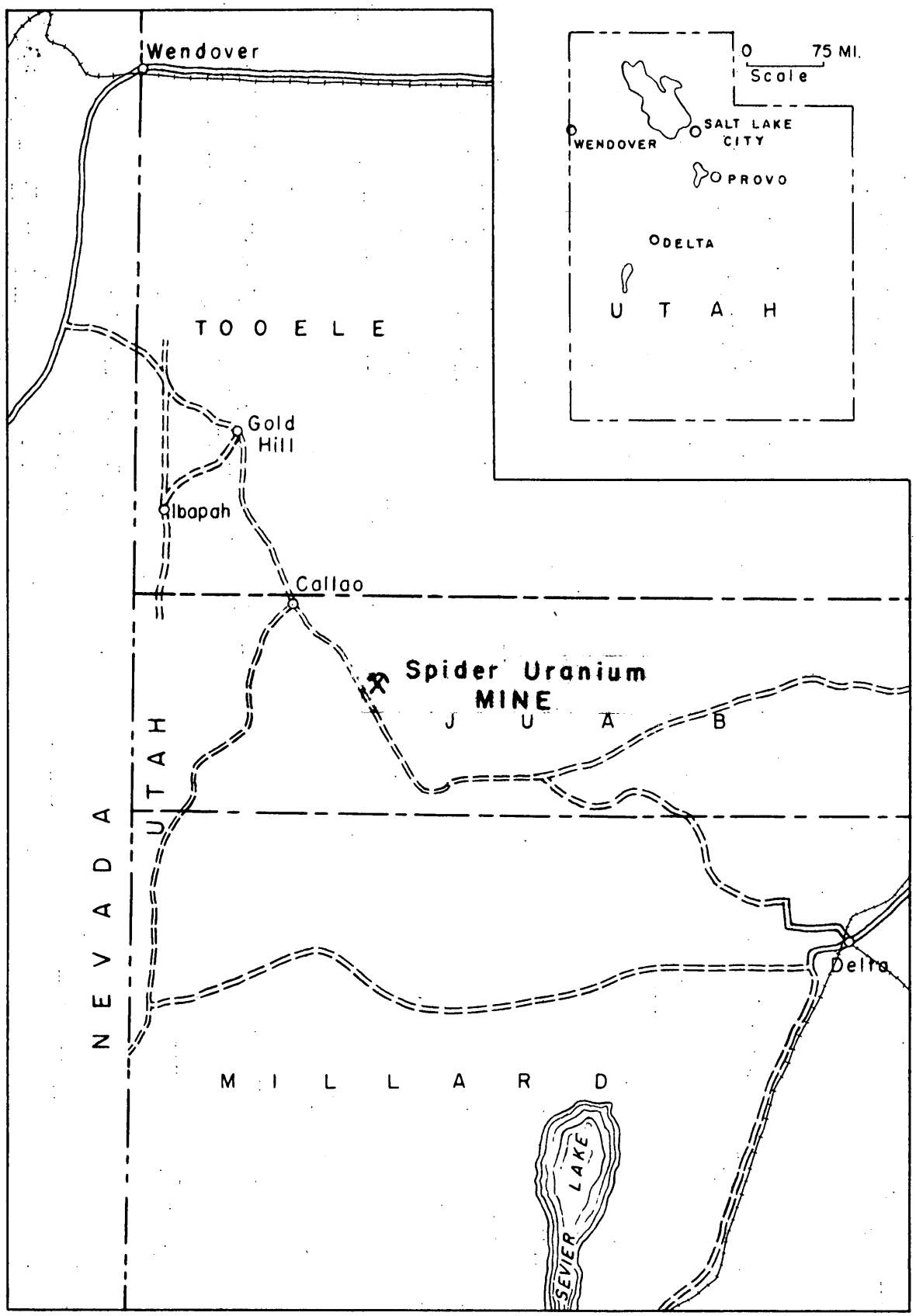

FIG. 1 INDEX MAP OF UTAH

0 5 10 15 20 MILES
Scale

adit (see fig. 2). The workings are on the northwestern side of the Honeycomb Hills.

The property consists of six unpatented claims in the Fish Springs Mining District, Juab County, Utah, approximately 15 miles southeast of the town of Callao. It is accessible by a secondary all-weather dirt road, which extends northwestward from Delta through Callao and Gold Hill and connects with U. S. Highway 50 about 27 miles south of Wendover, Utah. The Honeycomb Hills are near this road, 15 miles southeast of Callao and 76 miles northwest of Delta (see fig. 1).

GEOLOGY

The Honeycomb Hills are composed of rhyolite and rhyolite breccia. The rhyolite is a light-gray rock containing phenocrysts of quartz, sanadine, topaz, and biotite in an aphanitic matrix. It is underlain by a rhyolite breccia of about the same composition, but the breccia contains blocks and fragments of gray rhyolite and a dark, fine-grained rock that appears to be basalt. About 80 feet below the contact of the rhyolite and the rhyolite breccia is a 70-foot zone in which the basalt fragments have been oxidized and have stained the matrix orange, thus giving the rhyolite breccia the appearance of consisting of at least two distinct units.

The portal of the adit is on the northwest side of Honeycomb Hill. The adit passed through the orange-stained zone 140 feet vertically below the portal, where it entered a unit closely resembling the unstained upper rhyolite breccia zone; this bottom zone, however, is less consolidated.

The structure of the rocks in the mine area is simple. The rocks dip away from the portal on both the northeast and the southwest sides. This dip appears to be primary flow structure rather than a result of later folding.

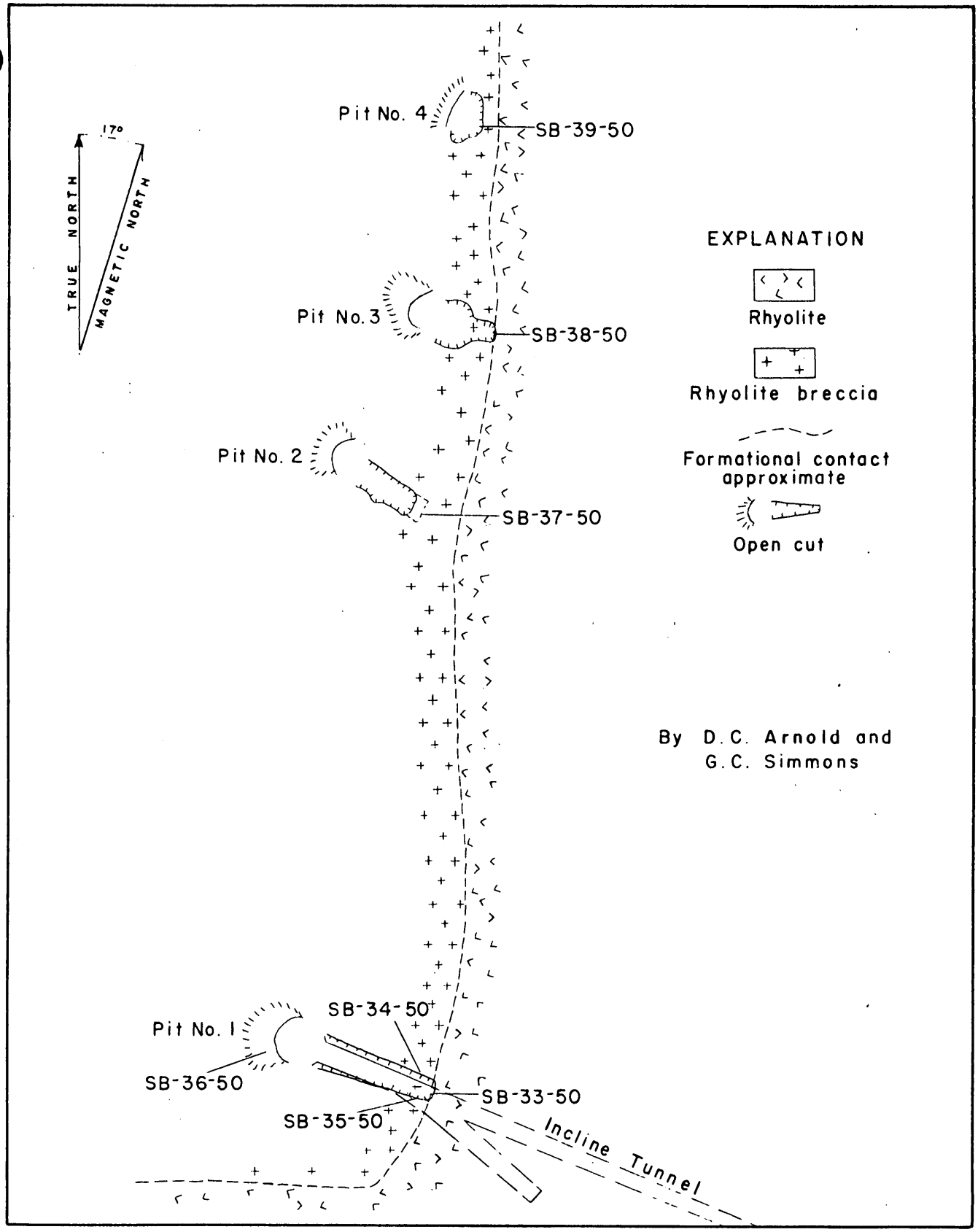

FIG. 2 GEOLOGIC MAP OF THE SPIDER NO. 1 CLAIM, FISH SPRINGS MINING DISTRICT, JUAB COUNTY, UTAH

0 40 80 FEET
Scale

No faults of large displacement were observed, but numerous faults of small displacement occur in the first 250 feet of the incline (see figs. 3 and 4).

Uranium Deposits

The uranium minerals at the Spider Uranium Claims occur as yellow-green flakes filling fractures and as coatings on fracture surfaces in both the rhyolite and rhyolite breccia. Fluorescent opal is present in small nodules and veins. The rhyolite breccia has been altered to montmorillonite along fractures. Fluorite was noted in a small vein that crops out in the rhyolite about 1,000 feet south of the portal.

Mr. Staatz reported that the uranium minerals have been identified by the U. S. Geological Survey as sklodowskite and soddyite (uranium silicates). The montmorillonite forms seams up to a quarter of an inch in width. A zone of alteration extends a few inches away from the seams into the fresh country rock, suggesting that the fractures were channelways for hydrothermal solutions.

The association of fluorite and hydrothermal (?) montmorillonite with the uranium mineralization suggests that the uranium minerals have not been transported very far from the place of primary deposition.

Ore Reserves

Samples taken from Spider No. 1 Claim[1] (see fig. 2).

Sample Number	Location	Percent Uranium
SB-33-50	Face; pit No. 1	0.034
34-50	East wall, pit No. 1	0.059
35-50	West wall, pit No. 1	0.060
36-50	Dump, pit No. 1	0.022
37-50	Face, pit No. 2	0.004
38-50	Face, pit No. 3	0.014
39-50	Face, pit No. 4	0.024

Exploration work to date has not revealed any concentration of uranium of minable size. As the uranium minerals form thin fillings and coatings in widely spaced fractures, calculation of ore reserves is impracticable.

[1] Chemical analysis by U. S. Department of Interior, Geological Survey, Denver, Colorado.

PROPOSED EXPLORATION

The applicant has proposed two exploration projects: (1) to extend the incline adit 1,000 feet, and (2) to explore promising areas by 4,000 feet of diamond drilling.

Project No. 1.

Project No. 1, the extension of the inclined adit, has as its objective the exploration of the ground below the uranium mineralization discovered in the rhyolite 1,000 feet southwest of the portal. The incline would have a total length of 1560 feet, and would attain a vertical depth of approximately 550 feet below the tunnel when the objective is reached.

Although exploration of the uranium showings near the portal and 1,000 feet southwest of the portal is desirable, the outlook for the discovery of ore bodies of minable grade is not good. The company will probably continue its exploration program regardless of the action taken on this application, and it is suggested that the project be reviewed after more exploratory work has been done.

The examining geologists feel that the project as proposed by the company is unnecessarily costly; instead of continuing the incline another 1,000 feet to a point below the southwest showings, it is suggested that a new incline be put down on the southwest showings. Possibly this suggestion should be mentioned to the applicant in future correspondence.

Project No. 2.

Project No. 2 as outlined in the application, consisted of 4,000 feet of diamond drilling in promising areas. As the rhyolite breccia below the orange-stained zone is in places almost unconsolidated, and the uranium minerals occur as coating and fillings on fractures, it is believed that a drilling program would give poor results.

Discussion of the problem with Mr. Baur and Mr. McAffee disclosed that they would prefer to abandon the drilling program in favor of more drifting. It is therefore suggested that this project not be considered at this time.

CONCLUSIONS AND RECOMMENDATIONS

The uranium mineralization in the Honeycomb Hills occurs as fillings and coatings on fractures in rhyolite and rhyolite breccia. The occurrence of fluorite and hydrothermal alteration in the area of uranium mineralization indicates that the uranium minerals have not been transported very far from the place of primary deposition.

Because the uranium mineralization thus far discovered is discontinuous and of low grade, it is concluded that the property does not at this time warrant an exploration loan.

In view of the fact that the applicant plans to continue exploration work, it is recommended that the property be re-examined after the tunnel has been extended 300 feet. If the uranium mineralization then shows an increase in size or grade, the property can be reconsidered for an exploration loan.

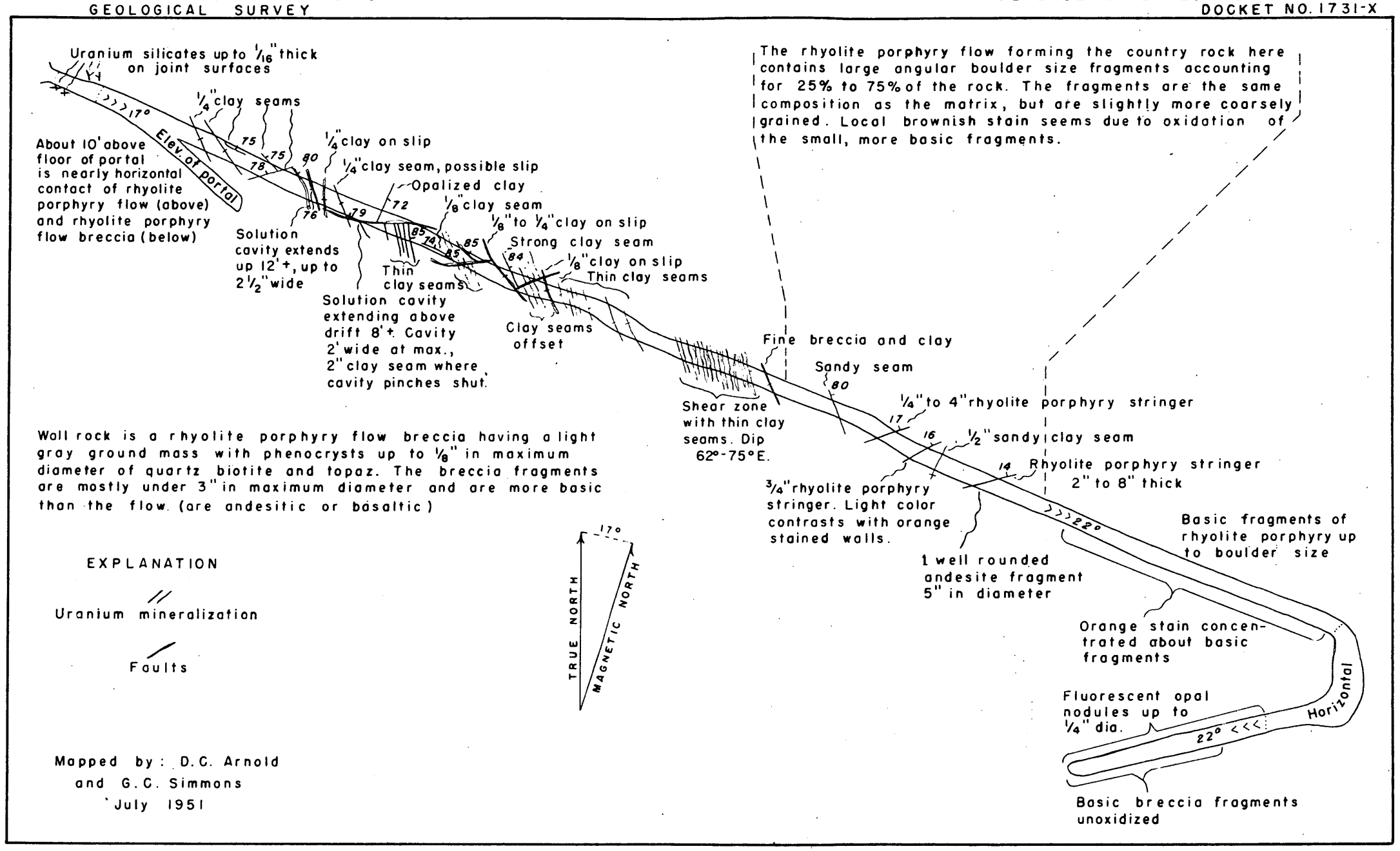

FIG. 3 SPIDER URANIUM MINE - FISH SPRINGS MINING DISTRICT, JUAB COUNTY, UTAH

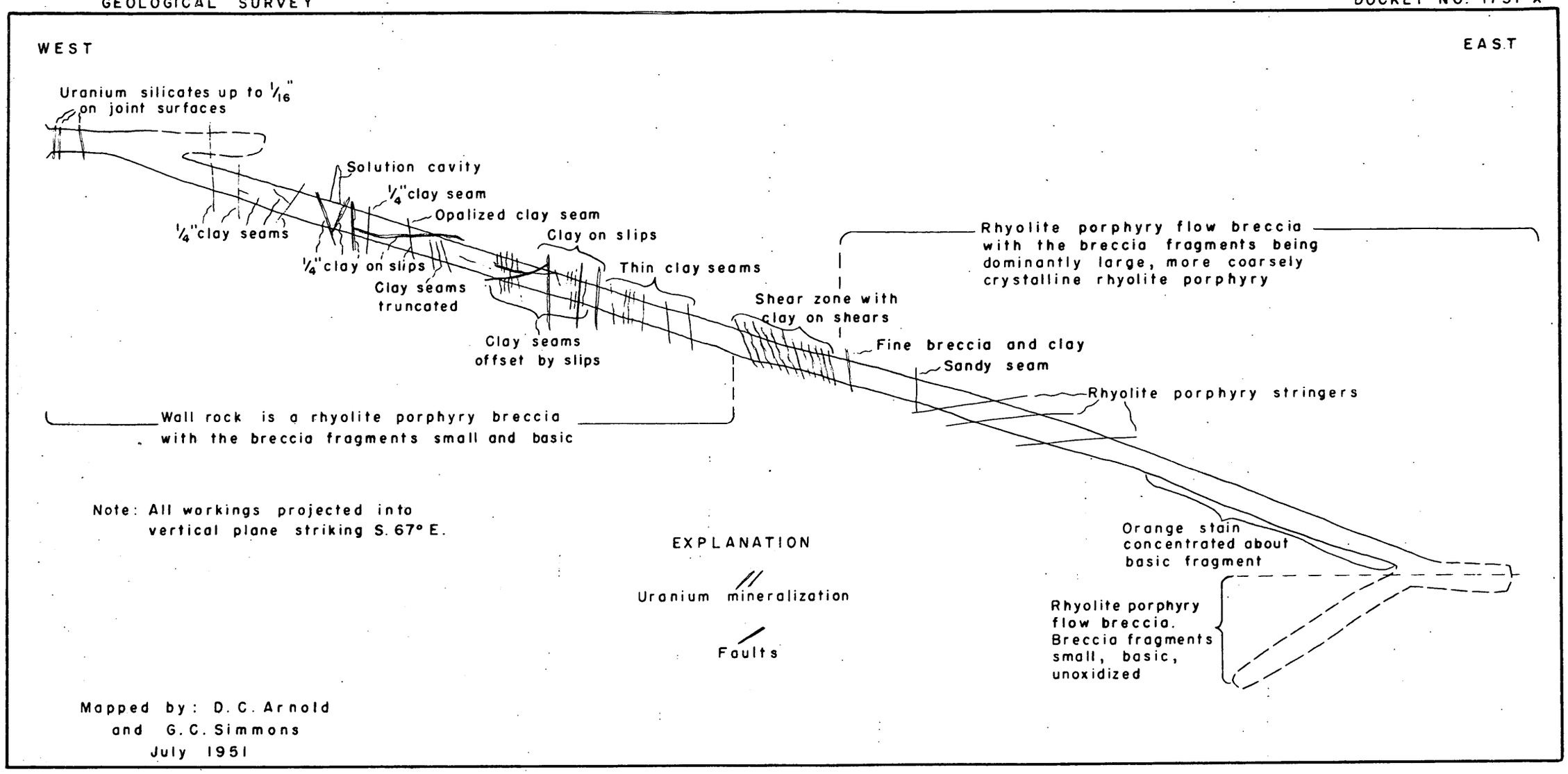

FIG. 4

SECTION ALONG DRIFT

SPIDER URANIUM MINE - FISH SPRINGS MINING DISTRICT, JUAB COUNTY, UTAH

0 40 80 FEET
Scale

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Defense Minerals Administration
200 New Customhouse
Denver 2, Colorado

August 22, 1951

Memorandum

To: DMA Field Team, Region II

From: A. H. Koschmann

Subject: DMA Docket 1731X, Spider Uranium Company, Ish Springs Mining District, Juab County, Utah

Enclosed are 6 copies of a geologic report by D. J. Arnold and L. C. Simmons of the U. S. Geological Survey covering the above docket.

A. H. Koschmann
A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (6)

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Room 307, 320 South Main
Salt Lake City 1, Utah
14 August 1951

Memorandum

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

From: Ralph J. Roberts

Subject: Docket DMA 1731X, Spider Uranium Company, Fish Springs Mining District, Juab County, Utah

Please find enclosed 8 copies of a report on the Spider Uranium Mining Company Docket, DMA-1731X, Fish Springs Mining District, Juab County, Utah.

In response to a request from the Field Team, Region IV dated July 20, 1951, the property was examined July 26-27, 1951 by D. C. Arnold and G. C. Simmons, of the U. S. Geological Survey.

The uranium mineralization in the Honeycomb Hills occurs as fillings and coatings on fractures in rhyolite and rhyolite breccia. The uranium mineralization thus far discovered is discontinuous and of low grade; it is concluded that the property does not warrant an exploration loan at this time, and it is recommended that the loan for exploration be denied. The applicant proposes to do further exploratory work; if this work is successful, it is suggested that the property be re-examined.

I concur with the examining geologists conclusions and recommendations that the application for an exploration loan be denied until further exploratory work reveals more promising showings.

/s/ Ralph J. Roberts

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

Docket DMA-1731X, Spider Uranium Mining Company

Juab County, Utah

(Uranium)

D. C. Arnold and G. C. Simmons, Geologists
U. S. Geological Survey

August 13, 1951

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ILLUSTRATIONS

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Figure 3. Map of Inclined Adit

Figure 4. Section Along Inclined Adit

Docket DMA 1731X, Spider Uranium Mining Company

Fish Springs Mining District

Juab County, Utah

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

The Spider Uranium Mining Company, Docket DMA 1731X, Fish Springs Mining District, Juab County, Utah made application for an exploration loan of $68,800.00 for further exploration of Uranium.

In response to a request by the Field Team, Region IV, the property was examined by D. C. Arnold and G. C. Simmons of the U. S. Geological Survey July 26-27, 1951. The property has previously been examined by Mr. M. H. Staatz and H. L. Bauer as part of the Trace Elements program of the U. S. Geological Survey.

The property is approximately 15 miles southeast of the town of Callao in the Honeycomb Hills. The Honeycomb Hills are composed of rhyolite and rhyolite breccia. The rocks dip away from the workings on both the northeast and the southwest sides. This dip appears to be primary flow structure rather than the result of later folding. No faults of large displacement were observed, but numerous faults of small displacement occur in the first 250 feet of the incline.

The Uranium minerals at the Spider Uranium Claims occur as yellow-green flakes filling fractures and as coatings on fracture surfaces in both the rhyolite and rhyolite breccia. The minerals have been identified by the U. S. Geological Survey as being sklodowskite and soddyite (uranium silicates). The association of fluorite and hydrothermal (?) montmorillonite with the uranium mineralization suggests that the uranium minerals have not been transported far from the place of primary deposition.

Exploratory work to date has not revealed any concentration of uranium of minable size. As the uranium minerals form thin fillings and coatings in widely spaced fractures, calculation of ore reserves is impracticable.

The applicant has proposed two exploration projects: (1) to extend the incline adit 1,000 feet, and (2) to explore promising areas by 4,000 feet of diamond drilling.

Because the uranium mineralization thus far discovered is discontinuous and of low grade, it is concluded that the property does not at this time warrant an exploration loan.

The applicant plans to continue exploratory work, and it is recommended that the property be re-examined after the tunnel has been extended 300 feet. If the uranium mineralization then shows an increase in size or grade, the property should be reconsidered for an exploration loan.

Docket DMA 1731X, Spider Uranium Mining Company

Fish Springs Mining District

Juab County, Utah

INTRODUCTION

Docket DMA 1731X is an application outlining a $68,300.00 exploration at the Spider Uranium Mine, in the Honeycomb Hills, Juab County, Utah. The program proposes 1,000 feet of incline and 4,000 feet of diamond drilling to explore the downward extension of uranium mineralization exposed by surface workings.

In response to a request by the Field Team, Region IV, the property was examined by David C. Arnold and George C. Simmons of the U. S. Geological Survey July 26-27, 1951. M. H. Staatz, of the Survey, accompanied these men on the first day of the examination. Mr. C. F. Baur, Secretary-Treasurer, and Mr. J. W. McAffee, President of the Spider Uranium Company, were at the property during the examination.

The property had previously been examined in October 1950, as part of the Trace Elements program, by M. H. Staatz and H. L. Bauer of the Geological Survey, who prepared a memorandum report[1].

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[1] Staatz, M. H. and Bauer, H. L., Jr., Preliminary examination of the Uranium Prospect at the Spider No. 1 claim, Honeycomb Hills, Juab County, Utah: Trace Elements Memorandum Report 165, Oct. 1950.

Uranium mineralization was first discovered on the northwestern side of the Honeycomb Hills, a group of hills that rise about 500 feet above the valley floor, in May, 1950, by H. P. Bertelsen of Marysvale, Utah. Since then the deposit has been prospected by three open pit cuts and a 560-foot inclined

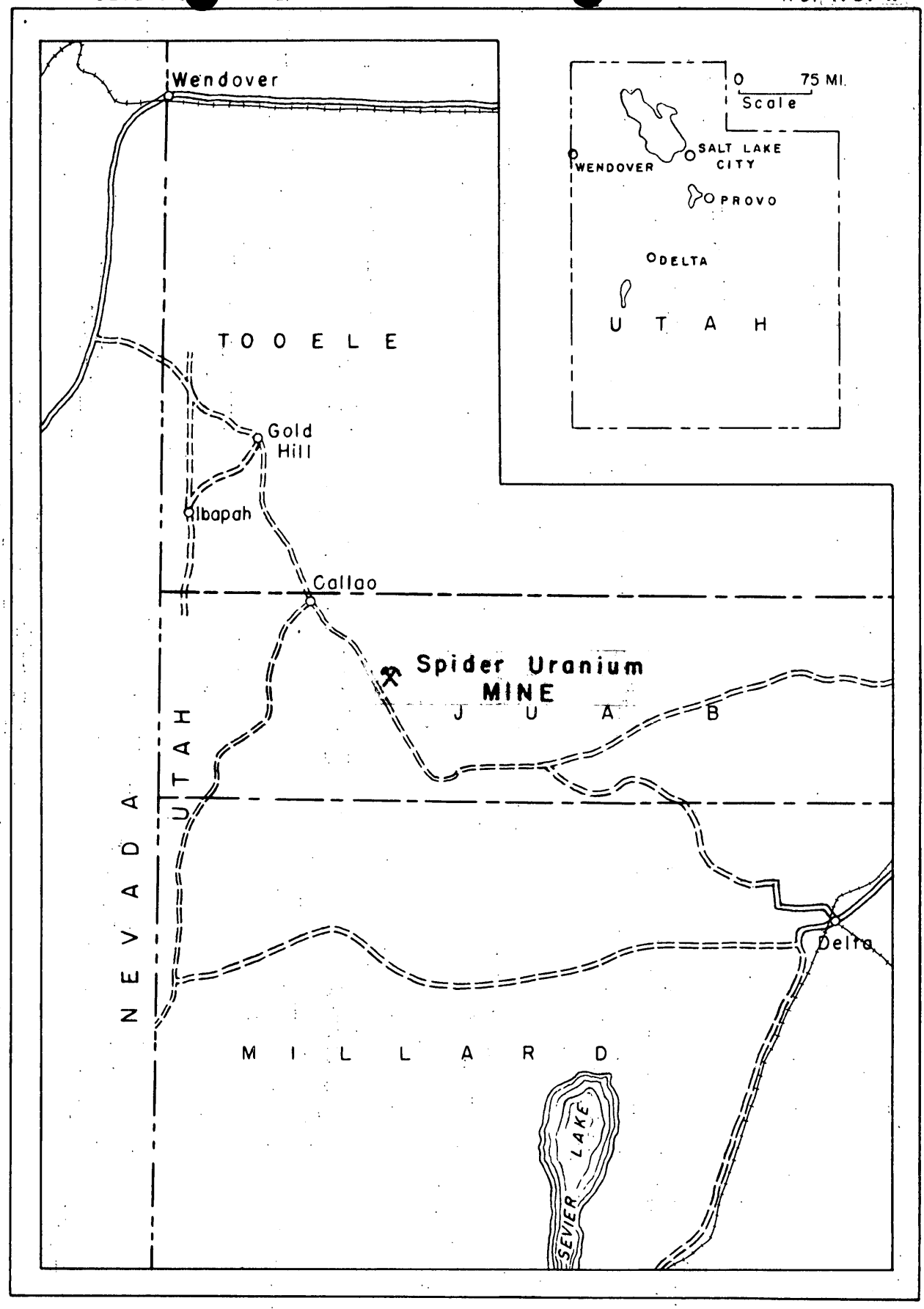

FIG. I INDEX MAP OF UTAH

0 5 10 15 20 MILES
Scale

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The property consists of six unpatented claims in the Fish Springs Mining District, Juab County, Utah, approximately 15 miles southeast of the town of Callao. It is accessible by a secondary all-weather dirt road, which extends northwestward from Delta through Callao and Gold Hill and connects with U. S. Highway 50 about 27 miles south of Wendover, Utah. The Honeycomb Hills are near this road, 15 miles southeast of Callao and 76 miles northwest of Delta (see fig. 1).

GEOLOGY

The Honeycomb Hills are composed of rhyolite and rhyolite breccia. The rhyolite is a light-gray rock containing phenocrysts of quartz, sanadine, topaz, and biotite in an aphanitic matrix. It is underlain by a rhyolite breccia of about the same composition, but the breccia contains blocks and fragments of gray rhyolite and a dark, fine-grained rock that appears to be basalt. About 80 feet below the contact of the rhyolite and the rhyolite breccia is a 70-foot zone in which the basalt fragments have been oxidized and have stained the matrix orange, thus giving the rhyolite breccia the appearance of consisting of at least two distinct units.

The portal of the adit is on the northwest side of Honeycomb Hill. The adit passed through the orange-stained zone 140 feet vertically below the portal, where it entered a unit closely resembling the unstained upper rhyolite breccia zone; this bottom zone, however, is less consolidated.

The structure of the rocks in the mine area is simple. The rocks dip away from the portal on both the northeast and the southwest sides. This dip appears to be primary flow structure rather than a result of later folding.

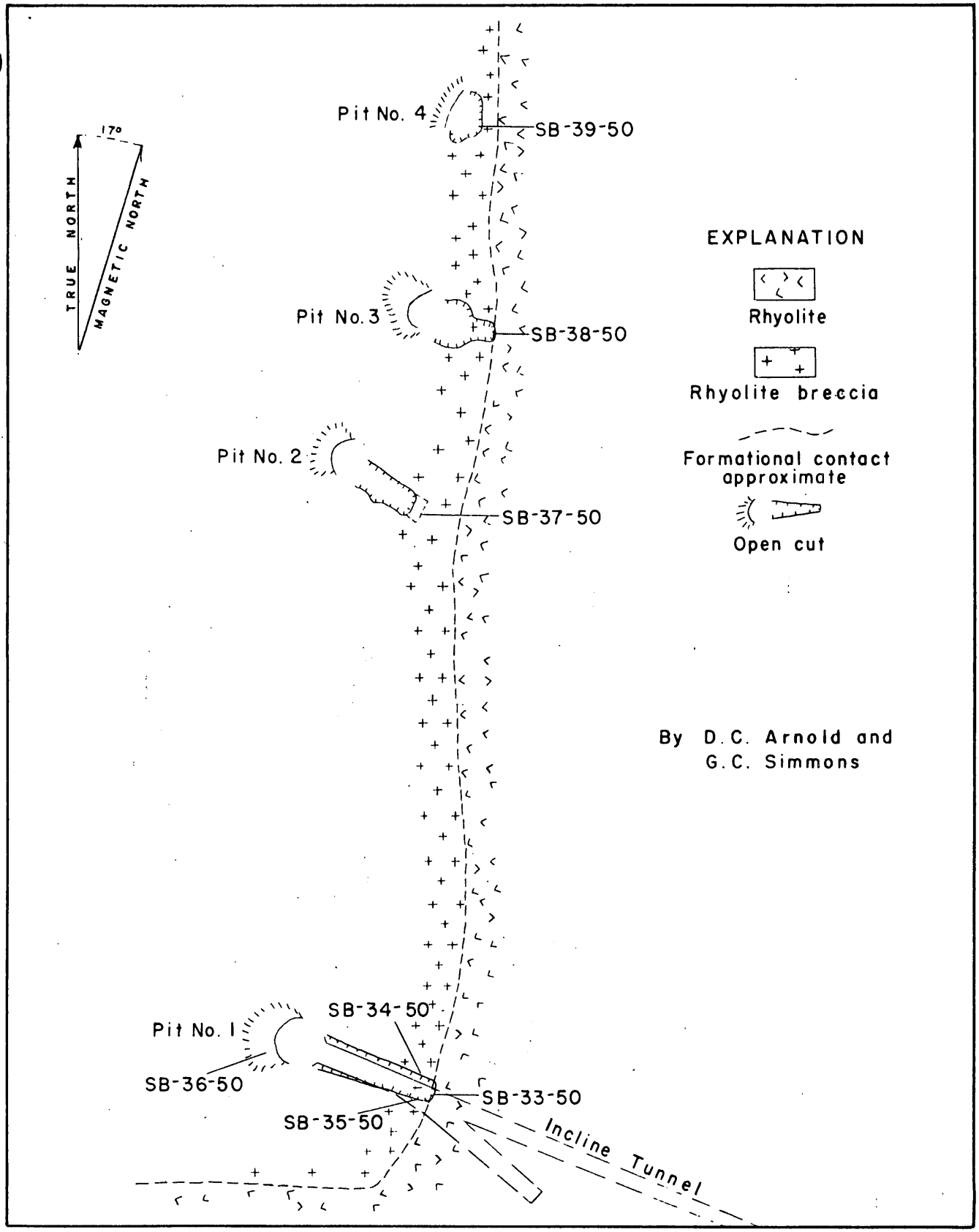

FIG. 2 GEOLOGIC MAP OF THE SPIDER NO. 1 CLAIM, FISH SPRINGS MINING DISTRICT, JUAB COUNTY, UTAH

0 40 80 FEET
Scale

No faults of large displacement were observed, but numerous faults of small displacement occur in the first 250 feet of the incline (see figs. 3 and 4).

Uranium Deposits

The uranium minerals at the Spider Uranium Claims occur as yellow-green flakes filling fractures and as coatings on fracture surfaces in both the rhyolite and rhyolite breccia. Fluorescent opal is present in small nodules and veins. The rhyolite breccia has been altered to montmorillonite along fractures. Fluorite was noted in a small vein that crops out in the rhyolite about 1,000 feet south of the portal.

Mr. Staatz reported that the uranium minerals have been identified by the U. S. Geological Survey as sklodowskite and soddyite (uranium silicates). The montmorillonite forms seams up to a quarter of an inch in width. A zone of alteration extends a few inches away from the seams into the fresh country rock, suggesting that the fractures were channelways for hydrothermal solutions.

The association of fluorite and hydrothermal (?) montmorillonite with the uranium mineralization suggests that the uranium minerals have not been transported very far from the place of primary deposition.

Ore Reserves

Samples taken from Spider No. 1 Claim/ (see fig. 2).

Sample Number	Location	Percent Uranium
SB-33-50	Face; pit No. 1	0.034
34-50	East wall, pit No. 1	0.059
35-50	West wall, pit No. 1	0.060
36-50	Dump, pit No. 1	0.022
37-50	Face, pit No. 2	0.004
38-50	Face, pit No. 3	0.014
39-50	Face, pit No. 4	0.024

Exploration work to date has not revealed any concentration of uranium of minable size. As the uranium minerals form thin fillings and coatings in widely spaced fractures, calculation of ore reserves is impracticable.

/Chemical analysis by U. S. Department of Interior, Geological Survey, Denver, Colorado.

PROPOSED EXPLORATION

The applicant has proposed two exploration projects: (1) to extend the incline adit 1,000 feet, and (2) to explore promising areas by 4,000 feet of diamond drilling.

Project No. 1.

Project No. 1, the extension of the inclined adit, has as its objective the exploration of the ground below the uranium mineralization discovered in the rhyolite 1,000 feet southwest of the portal. The incline would have a total length of 1560 feet, and would attain a vertical depth of approximately 550 feet below the tunnel when the objective is reached.

Although exploration of the uranium showings near the portal and 1,000 feet southwest of the portal is desirable, the outlook for the discovery of ore bodies of minable grade is not good. The company will probably continue its exploration program regardless of the action taken on this application, and it is suggested that the project be reviewed after more exploratory work has been done.

The examining geologists feel that the project as proposed by the company is unnecessarily costly; instead of continuing the incline another 1,000 feet to a point below the southwest showings, it is suggested that a new incline be put down on the southwest showings. Possibly this suggestion should be mentioned to the applicant in future correspondence.

Project No. 2.

Project No. 2 as outlined in the application, consisted of 4,000 feet of diamond drilling in promising areas. As the rhyolite breccia below the orange-stained zone is in places almost unconsolidated, and the uranium minerals occur as coating and fillings on fractures, it is believed that a drilling program would give poor results.

Discussion of the problem with Mr. Baur and Mr. McAffee disclosed that they would prefer to abandon the drilling program in favor of more drifting. It is therefore suggested that this project not be considered at this time.

CONCLUSIONS AND RECOMMENDATIONS

The uranium mineralization in the Honeycomb Hills occurs as fillings and coatings on fractures in rhyolite and rhyolite breccia. The occurrence of fluorite and hydrothermal alteration in the area of uranium mineralization indicates that the uranium minerals have not been transported very far from the place of primary deposition.

Because the uranium mineralization thus far discovered is discontinuous and of low grade, it is concluded that the property does not at this time warrant an exploration loan.

In view of the fact that the applicant plans to continue exploration work, it is recommended that the property be re-examined after the tunnel has been extended 300 feet. If the uranium mineralization then shows an increase in size or grade, the property can be reconsidered for an exploration loan.

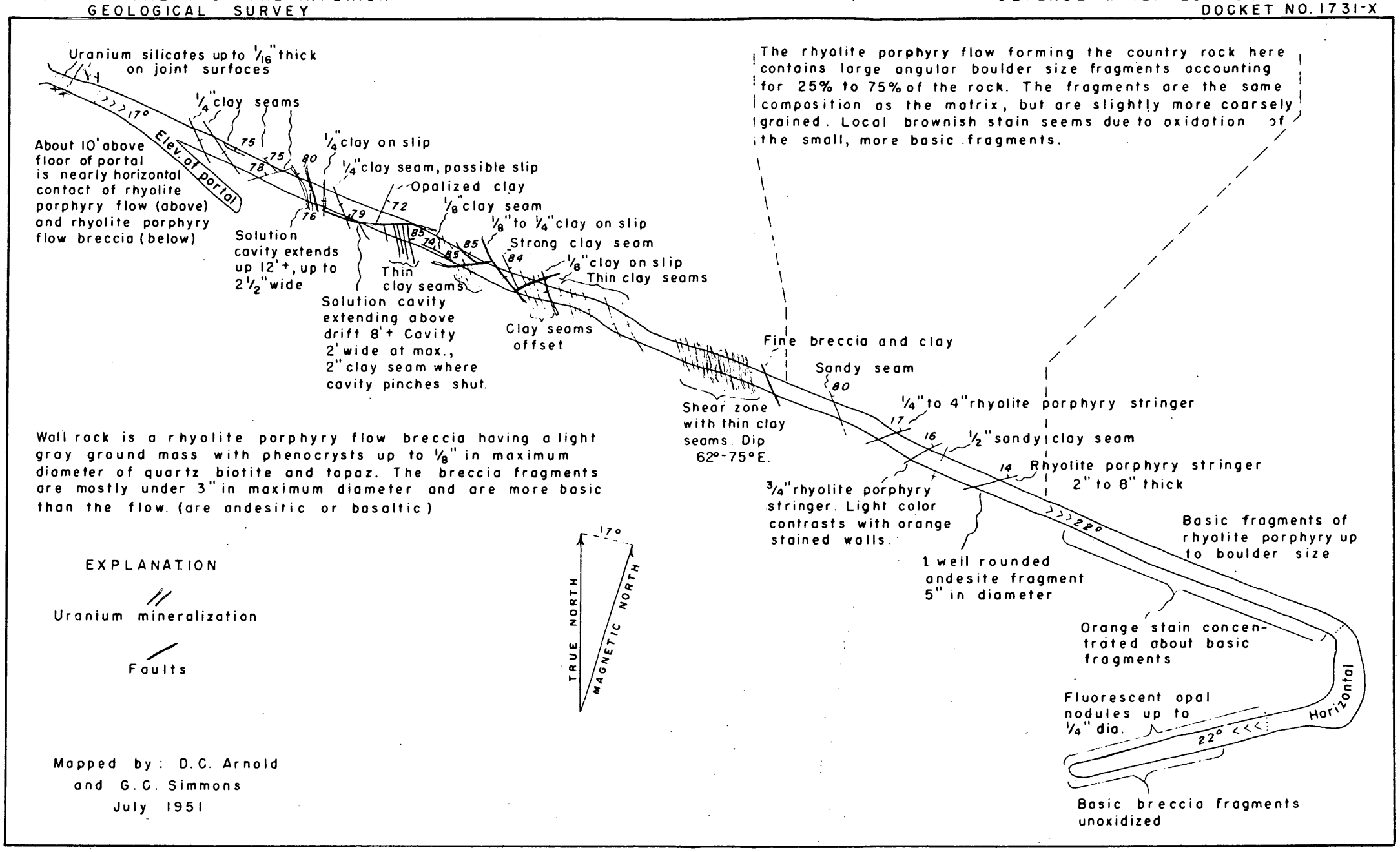

FIG. 3 SPIDER URANIUM MINE - FISH SPRINGS MINING DISTRICT, JUAB COUNTY, UTAH

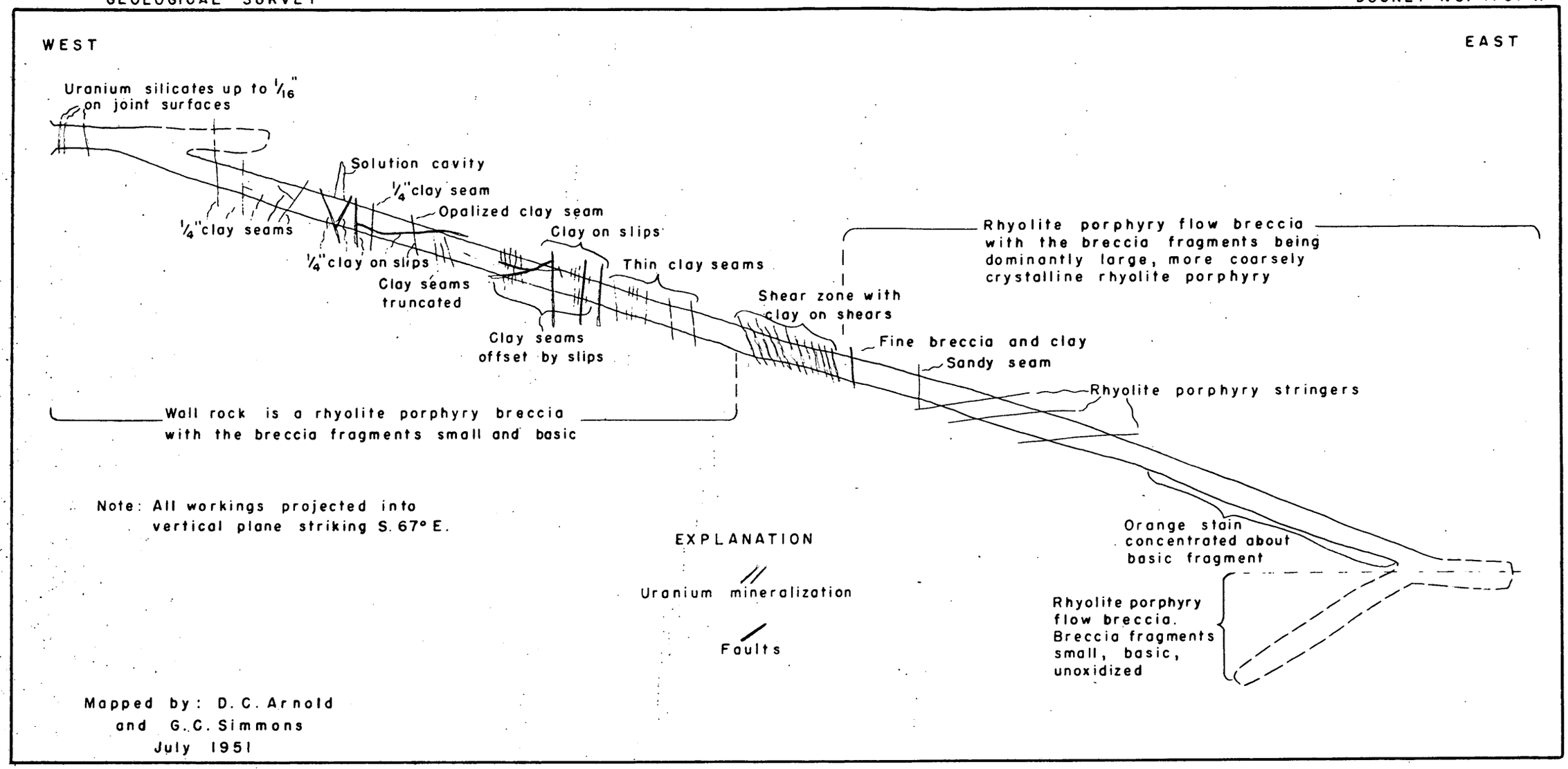

FIG. 4 SECTION ALONG DRIFT

SPIDER URANIUM MINE - FISH SPRINGS MINING DISTRICT, JUAB COUNTY, UTAH

0 40 80 FEET
Scale

FILE COPY
SURNAME:

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

Gordon
Bourret
Johnson
Ron

JUL 12 1951

July 9, 1951

Uranium

Mr. Ownes D. Baur
16 North State Street
Preston, Idaho

Dear Mr. Baur:

Your application, Docket DMA-1731x for exploration project in the amount of $68,000 has been received by the Minor and Rare Metals Branch of the Supply Division.

Before a decision can be reached on your request we find it is necessary to obtain additional information on your property. Your application therefore is being referred to the office of the Executive Officer of DMA Field team IV, Mr. J. H. East, Jr., 225 New Customhouse Building, Denver 2, Colorado, with the request that the needed information be supplied to us.

Yours very truly,

Tom Lyon

Tom Lyon, Director
Supply Division

not stripped in R. & R.

EGordon;mh
cc: Adm. Read. File
Reports and Records
Lyon
Field Team IV
Bourret
Files

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

JUL 12 1951

Spider Uranium Mining Co

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

cc: [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

Spider Uranium Co

June 26, 1951

Mr. O. F. Baur
Secretary-Treasurer
16 North State Street
Preston, Idaho

Subject: DMA-1731X
Re: Exploration Loan -
Spider Claims

My dear Mr. Baur:

Receipt is acknowledged of your application and attachments of May 28, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1731X and referred to Mr. Weston G. Bourret, Chief, Minor and Rare Metals Branch on June 26, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1731X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

L. F. Strobel:jc
cc: ✓Strobel
File
Bourret
Lyon

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. dma-1731 X

Date received 6/26/51

Participation

Spider Uranium Mining Company
16 North State Street
Preston Idaho

Name and address of applicant

Cimes F. Baur
16 North State St.
Preston Idaho

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28, 1951

Estimated cost $68,800.00

Mineral or metal Uranium

Percentage of Government participation 90%

Location of mine Callao, Utah.

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Spider Uranium Mining Company
(Name of company)

By James Bauer
(Signature of authorized official)

May 28, 1951
(Date)

Sec Treasurer
(Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

J. W. McAFFEE
PRESIDENT

O. F. BAUR
SEC.-TREAS.

SPIDER URANIUM MINING CO., INC.

CALLAO, UTAH

Business Office: 16 North State St.
Phone 16

PRESTON, IDAHO

Question #1 Yes- Corporation
2 -

3- J.W.McAffee	Afton, Idaho	Pres
H.P.Bertelsen	Marysvale Utah	Vice Pres
O.F.Baur	Preston Idaho	Secy-Treas
Freeman Thomas	Pocatello, Idaho	Director
Clarence Kendrick	Preston Idaho	Director
Earl Schurer	Moor Oregon	Stockholders
Russell Cranney	Preston Idaho	"
V.E.Babcock	Perris Calif.	"
Sterling Babcock	Perris Calif.	"
G.W.McCune	Preston Idaho	"

#4- J.W.McAffee, 37 years Mining experience as general mining contractor and mine Superintendent.

#5- Owner (By Spider Uranium Mining Co. Inc.

#6- No claims, liens, or encumbrances are against this property.

#7- Not Leased

#8- (enclosed herewith.) Ref. (a)

#9- $10,000.00- Yes this is sufficient to pay our part of project in deposit.

#10- a The Spider Uranium Company, Incorporated, 16 North State Street, Preston Idaho, controls the property which consists of six unpatented contiguous claims--Spider Uranium numbers one through six. The property is fifteen miles southeast of Callao, Utah, in an undivided portion of Juab County. The approximate location of the mine is 39 degrees 44 minutes north latitude, 113 degrees 34 minutes west longitude. The area is shown on the Fish Springs Quadrangle Topographic map of the U.S.Geological Survey. The property may be reached from Callao via 20 miles of good unsurfaced road and one mile of access road. The mine is located on the north end of Honeycomb Hill, one of a group of low prominences between the Fish Springs Range and the Deep Creek and Confusion Ranges.

(b) Same as 10 a

#11- Present name- Spider Claims.
No Former name to property-consists of unsurveyed Government land.

#12- The property is fifteen miles southeast of Callao, Utah, in an undivided portion of Juab County. It is also located 78 miles northwest of Delta Utah, (Nearest R.R.) which can be reached by 78 miles of good unsurfaced road and one mile of access road.

#13- a Sufficient water year around, near Callao Utah 15 miles from mine.

(b) Power will be gasoline or diesel, no electric power available.

J. W. McAFFEE
PRESIDENT

O. F. BAUR
SEC.-TREAS.

SPIDER URANIUM MINING CO., INC.

CALLAO, UTAH

Business Office: 16 North State St.
Phone 16

PRESTON, IDAHO.

#14- No timber suitable for mining use is available on the property, but ample stands of timber exist in the Deep Creek Range twenty miles to the west.

Water for drilling purposes is now obtained from a creek at an abandoned C.C.C. Camp fifteen miles away. A well four miles south of the mine supplies water for local range use.

The nearest sources of labor and supplies are Delta, Utah, 78 miles away and Eureka, Utah, 105 miles away. Both towns may be reached by good unsurfaced road and both are railway shipping points. Salt Lake City is 100 miles from the mine via road and highway. A flying service to the property is contemplated and several good airstrip sites exist locally.

The closest available electric power is in the Delta area.

Equipment at the property includes a compressor, air tugger, one ton mine car, 450 feet of rail, drifter drill, and miscellaneous mining equipment.

#15- Ore must be trucked to Delta, Utah- (nearest R.R.) 78 miles- shipped by rail to Salt Lake City, 140 miles, mill located at Salt Lake City.

#16 (a) Exploration has been continuous for the past year with no suspensions; Beginning with (4) four prospector pits and continuous with a 825 foot Tunnel at 10 degree incline.

(b) No known history of adjoining and neighboring claims.

(c) Enclosed herewith U.S.G.S. Survey- Ref. B Reconnaissance Report by W.C.Peters Mining Geologist (Ref. C).

#17- Mine is not in production.

#18- No Ore or Mineral reserves.

#19- None

#20- URANIUM

#21- We propose to continue tunneling on an incline, approximately an additional 1000, also 4000 ' of core drilling consisting eight (8) 600' holes.

#22- Enclosed herewith.

Reconnoissance Report, W.C.Peters Mining Geologist. (ref.C)

#23- a- 2 miners ($15.00 per day 12 No. @ $6,800.00
b- 2 muckers approx ($15.00 per day
1 Superintendent ($15.00 per day
c- Cost of Repairs 1 year $800.00
d- Construction of Compressor & Tool shed $2000.00

J. W. McAFFEE
PRESIDENT

O. F. BAUR
SEC.-TREAS.

SPIDER URANIUM MINING CO., INC.

CALLAO, UTAH

Business Office: 16 North State St.
Phone 16

PRESTON, IDAHO

e- Gasoline tugger $1800.00
1½ ton truck 2000.00
000 gal. water tank 150.00
Ventilating System 1750.00
2000 ft. 20 pound rail 1850.00
1 ton mining car 200.00
215 cu. ft. Compressor 3600.00
Fuel, gas & oil 1000.00
800 gal. gasoline tank 150.00
Blasting Co., fuse & caps 1100.00
Timber & misc. 1800.00
f- None
g- No Rent
h- Miscellaneous tools and supplies costing less than $50.00 each $800.00
i- 4000' feet core drilling figured at $5.00 per foot $20,000.00
Assays & Geological Survey $800.00

#24- Approximately 12 months, period expected development is 1000 feet of Tunnell, 4000 feet of core drilling, amount of money to be spent $60,000.00

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

REGIONAL DIRECTOR'S
OFFICE
REGION IV
JUL 16 1951
BUREAU OF MINES
DENVER, COLORADO

JUL 12 1951

Mr. J. H. East, Jr.
225 New Customhouse Bldg.
Denver 2, Colorado

Dear Sir:

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

Docket No. 1731x

Commodity Uranium

Applicant Ownes F. Baur

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

Very truly yours,

Tom Lyon

Tom Lyon, Chairman
Coordinating Committee

C. A. Johnson
For Bureau of Mines

Geo. R. Rose
For Geological Survey

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

REGIONAL DIRECTOR'S
OFFICE
REGION IV
JUL 16 1951
BUREAU OF MINES
DENVER, COLORADO

July 9, 1951

Mr. [illegible]
10 [illegible] Main Street
[illegible], Idaho

Dear Mr. [illegible]:

Your application, Docket [illegible]-1731 for exploration project in the amount of $[illegible], has been received by the Uranium Lease Details Branch of the Ly Division.

Before a decision can be reached on your request we find it is necessary to obtain additional information on your property. Your application has been referred to the office of the Executive Officer of the Field Team [illegible], Mr. [illegible], Jr., [illegible] New Customhouse Building, Denver 2, Colorado, with the request that the needed information be supplied to us.

Yours very truly,

[illegible]
[illegible] Division

Mcorlongah
cc: [illegible]
Reports and Records
Ryan
Field Team IV
Burrett
Ellen

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

REGIONAL DIRECTOR'S
OFFICE
REGION IV
JUL 16 1951
BUREAU OF MINES
DENVER, COLORADO

July 9, 1951

Mr. Joseph Doe
Mr. Joseph Doe Mines
Boise, Idaho

Dear Mr. Doe:

Your application, Serial No. [illegible] for a location project in the amount of $[illegible] has been received by the Bureau and has been placed on the priority [illegible].

Before a decision can be reached on your request we find it necessary to obtain additional information on your requested application. Therefore is being referred to the office of the Regional Director of the Bureau of Mines, Rm. 6, U. S. Post Office, 125 New Customhouse Building, Denver 2, Colorado, with the request that the needed information be supplied to us.

Very truly yours,

Mr. Joe. Director
DMA Ivalds

Mordough
cc: Co. Dist. Ofc
Reports and Records
Lyon
Field Rep IV
Bureau
Files

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA-1731X

Date received 6/26/51

Participation

Spider Uranium Mining Company
16 North State Street
Preston Idaho

Owen F. Baur
16 North State St.
Preston Idaho

Name and address of applicant

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28, 1951

Estimated cost $68,800.00

Mineral or metal Uranium

Percentage of Government participation 90%

Location of mine Callao, Utah.

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Spider Uranium Mining Company
(Name of company)

By James Baur
(Signature of authorized official)

May 28, 1951
(Date)

Sec. Treasurer
(Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

J. W. McAFFEE
PRESIDENT

O. F. BAUR
SEC.-TREAS.

SPIDER URANIUM MINING CO., INC.

CALLAO, UTAH
Business Office: 16 North State St.
Phone 16
PRESTON, IDAHO

Question #1 Yes- Corporation
2 -

3- J.W.McAffee	Arimo, Idaho	Pres.
H.P.Bertelsen	Marysvale Utah	Vice.Pres.
O.F.Baur	Preston Idaho	Secy-Treas.
Freeman Thomas	Pocatello, Idaho	Director
Clarence Kendrick	Preston Idaho	Director
Earl Scherer	Keno Oregon	Stockholders.
Russell Cranney	Preston Idaho	"
V.E.Babcock	Perris Calif.	"
Sterling Babcock	Perris Calif.	"
G.W.McCune	Preston Idaho	"

#4- J.W.McAffee, 27 years Mining experience as general mining contractor and mine Superintendent.

#5- Owner (By Spider Uranium Mining Co. Inc.

#6- No claims, liens, or encumbrances are against this property.

#7- Not Leased

#8- (enclosed herewith.) Ref. (a)

#9- $10,000.00- Yes this is sufficient to pay our part of project in deposit.

#10a- The Spider Uranium Company, Incorporated, 16 North State Street, Preston Idaho, controls the property which consists of six unpatented continuous claims--Spider Uranium numbers one through six. The property is fifteen miles southeast of Callao, Utah, in an undivided portion of Juab County. The approximate location of the mine is 39 degrees 44 minutes north latitude, 113 degrees 34 minutes west longitude. The area is shown on the Fish Springs Quadrangle Topographic map of the U.S.Geological Survey. The property may be reached from Callao via 20 miles of good unsurfaced road and one mile of access road. The mine is located on the north and of Honeycomb Hill, one of a group of low prominences between the Fish Springs Range and the Deep Creek and Confusion Ranges.

(b) Same as 10 a

#11- Present name- Spider Claims.
No Former name to property-consists of unsurveyed Government land.

#12- The property is fifteen miles southeast of Callao, Utah, in an undivided portion of Juab County. It is also located 78 miles northwest of Delta Utah, (Nearest R.R.) which can be reached by 78 miles of good unsurfaced road and one mile of access road.

#13a- Sufficient water year around, near Callao Utah 15 miles from mine.

(b) Power will be gasoline or diesel, no electric power available.

J. W. McAFFEE
PRESIDENT

O. F. BAUR
SEC.-TREAS.

SPIDER URANIUM MINING CO., INC.

CALLAO, UTAH
Business Office: 16 North State St.
Phone 16
PRESTON, IDAHO

#14- No timber suitable for mining use is available on the property, but ample stands of timber exist in the Deep Creek Range twenty miles to the west.

Water for drilling purposes is now obtained from a creek at an abandoned C.C.C. Camp fifteen miles away. A well four miles south of the mine supplies water for local range use.

The nearest sources of labor and supplies are Delta, Utah, 78 miles away and Eureka, Utah, 103 miles away. Both towns may be reached by good unsurfaced road and both are railway shipping points. Salt Lake City is 190 miles from the mine via road and highway. A flying service to the property is contemplated and several good airstrip sites exist locally.

The closest available electric power is in the Delta area.

Equipment at the property includes a compressor, air tugger, one ton mine car, 450 feet of rail, drifter drill, and miscellaneous mining equipment.

#15- Ore must be trucked to Delta, Utah- (nearest R.R.) 78 miles- shipped by rail to Salt Lake City, 140 miles, mill located at Salt Lake City.

#16 (a) Exploration has been continuous for the past year with no suspensions; Beginning with (4) Four prospector pits and continuous with a 525 foot Tunnel at 19 degree incline.

(b) No known history of adjoining and neighboring claims.

(c) Enclosed herewith U.S.G.S. Survey- Ref. B Reconnassance Report by W.C.Peters Mining Geologist (Ref. C).

#17- Mine is not in production.

#18- No Ore or Mineral reserves.

#19- None

#20- URANIUM

#21- We propose to continue tunneling on an incline, approximately an additional 1000, also 4000 ' of core drilling ? WPERG consisting eight (8) 500' Holes.

#22- Enclosed herewith.

Reconnoissance Report, W.C.Peters Mining Geologist. (ref.C)

#23- a- 2 miners ($15.00 per day 12 Mo. $ 26,500.00
b- 3 muckers approx ($15.00 per day
1 Suprintendent ($15.00 per day

Repairs to what? c- Cost of Repairs 1 year $800.00
why necessary if the rest of work already done? d- Construction of Compressor & Tool shed $2000.00

J. W. McAFFEE
PRESIDENT

O. F. BAUR
SEC.-TREAS.

SPIDER URANIUM MINING CO., INC.

CALLAO, UTAH
Business Office: 16 North State St.
Phone 16
PRESTON, IDAHO

e- Gasoline tugger	$1800.00	isn't one trugger enough?
1½ ton truck	2800.00	- ?
800 gal. water tank	150.00	
Ventilating System	1750.00	
2000 ft. 20 pound rail	1850.00	
1 ton mining car	200.00	- one these
215 Cu.Ft.Compressor	3500.00	- already is one on property - Why another?
h→Fuel, gas & oil	1000.00	
500 Gal.Gasoline tank	150.00	
h →Blasting Pd.,fuse & caps	4100.00	
h →Timber approx.	1500.00	

f- None
g- No Rent
h- Miscellaneous tools and supplies costing less than $50.00 each $200.00
i- 4000' feet core drilling figured at $5.00 per foot $20,000.00
Assays & Geological Survey $500.00

67,800.00

#24- Approximately 12 months, period expected development is 1000 feet of Tunnell, 4000 feet of core drilling, amount of money to be spent $68,800.00

FILE COPY
SURNAME:

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

June 28, 1951

Mr. C. F. Baur
Secretary-Treasurer
16 North State Street
Preston, Idaho

Subject: DMA-1731X
Re: Exploration Loan - Spider Claims

My dear Mr. Baur:

Receipt is acknowledged of your application and attachments of May 28, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1731X and referred to Mr. Weston G. Bourret, Chief, Minor and Rare Metals Branch on June 26, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1731X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel jc
Executive Secretary

L. F. Strobel:jc
cc: Strobel
✓File
Bourret
Lyon

DMA 1731

#5-6

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. Dma-1731 X

Date received 6/26/51

Participation

Spider Uranium Mining Company
16 North State Street
Preston Idaho

Owen P. Baur
16 North State St.
Preston Idaho

Name and address of applicant

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28, 1951

Estimated cost $68,800.00

Mineral or metal Uranium

Percentage of Government participation 90%

Location of mine Calliso, Utah.

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
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19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

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24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Spider Uranium Mining Company
(Name of company)

By Owen Bain
(Signature of authorized official)

May 29, 1951
(Date)

Sec. Treasurer
(Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

J. W. McAFFEE
PRESIDENT

O. F. BAUR
SEC.-TREAS.

SPIDER URANIUM MINING CO., INC.

CALLAO, UTAH

Business Office: 16 North State St.
Phone 16

PRESTON, IDAHO

Question #1 Yes- Corporation
2 -

3- J.W.McAffee	Arimo, Idaho	Pres.
H.P.Bertelsen	Maryevale Utah	Vice Pres.,
O.F.Baur	Preston Idaho	Secy-Treas
Freeman Thomas	Pocatello, Idaho	Director
Clarence Kendrick	Preston Idaho	Director
Karl Sahrer	Reno Oregon	Stockholders
Russell Cranney	Preston Idaho	"
V.E.Babcock	Perris Calif.	"
Sterling Babcock	Perris Calif.	"
G.W.McCune	Preston Idaho	"

#4- J.W.McAffee, 27 years Mining experience as general mining contractor and mine Superintendent.

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J. W. McAFFEE
PRESIDENT

O. F. BAUR
SEC.-TREAS.

SPIDER URANIUM MINING CO., INC.

CALLAO, UTAH

Business Office: 16 North State St.
Phone 16

PRESTON, IDAHO

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Water for drilling purposes is now obtained from a creek at an abandoned C.C.C. Camp fifteen miles away. A well four miles south of the mine supplies water for local range use.

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(c) Enclosed herewith U.S.G.S. Survey- Ref. B Reconnaissance Report by W.C.Peters Mining Geologist (Ref. C).

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#18- No Ore or Mineral reserves.

#19- None

#20- URANIUM

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#23- a- 2 miners ($15.00 per day 12 Mo. $ 26,500.00
b- 2 muckers approx ($15.00 per day
1 Suprintendent ($15.00 per day
c- Cost of Repairs 1 year $800.00
d- Construction of Compressor & Tool shed $2000.00

J. W. McAFFEE
PRESIDENT

Q. F. BAUR
SEC.-TREAS.

SPIDER URANIUM MINING CO., INC.

CALLAO, UTAH

Business Office: 16 North State St.,
Phone 16,

PRESTON, IDAHO,

e- Gasoline tugger $1800.00
12 ton truck 2800.00
800 gal. water tank 150.00
Ventilating System 1750.00
2000 ft. 20 pound rail 1850.00
1 ton mining car 200.00
215 Cu.Ft.Compressor 2500.00
Fuel, gas & oil 1000.00
500 Gal.Gasoline tank 150.00
Blasting Pd.,fuse & caps 4100.00
Timber approx. 1500.00

f- None

g- No Rent

h- Miscellaneous tools and supplies
costing less than $50.00 each $200.00

i- 4000' feet cover drilling
figured at $5.00 per foot $20,000.00
Assays & Geological Survey $500.00

§24- Approximately 12 months, period expected development is 1000 feet of Tunnell, 4000 feet of core drilling, amount of money to be spent $88,800.00

Form MF-103
(April 1951)

U.S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. Dma-1731 X

Date received 6/26/51

Participation

Spider Uranium Mining Company
16 North State Street
Preston Idaho

Ownes F. Baur
16 North State St.
Preston Idaho

Name and address of applicant

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28, 1951

Estimated cost $68,800.00

Mineral or metal Uranium

Percentage of Government participation 90%

Location of mine Callao, Utah.

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

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*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
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*5. Are you the owner or the lessee of the property?
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NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

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16—64067-1

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*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

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    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
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	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
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The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Spider Uranium Mining Company
(Name of company)

By James B. Baer
(Signature of authorized official)

May 28, 1951
(Date)

Sec Treasurer
(Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

J. W. McAFFEE
PRESIDENT

O. F. BAUR
SEC.-TREAS.

SPIDER URANIUM MINING CO., INC.

CALLAO, UTAH
Business Office: 16 North State St.
Phone 16
PRESTON, IDAHO

Question #1 Yes- Corporation
2 -

3- J.W.McAffee	Arimo, Idaho	Pres.
H.P.Bertelsen	Marysvale Utah	Vice Pres.
O.F.Baur	Preston Idaho	Secy-Treas
Freeman Thomas	Pocatello, Idaho	Director
Clarence Kendrick	Preston Idaho	Director
Karl Scherer	Keno Oregon	Stockholders
Russell Cranney	Preston Idaho	"
V.E.Babcock	Perris Calif.	"
Sterling Babcock	Perris Calif.	"
G.W.McCune	Preston Idaho	"

#4- J.W.McAffee, 27 years Mining experience as general mining contractor and mine Superintendent.

#5- Owner (By Spider Uranium Mining Co. Inc.

#6- No claims, liens, or encumbrances are against this property.

#7- Not Leased

#8- (enclosed herewith.) Ref. (a)

#9- $10,000.00- Yes this is sufficient to pay our part of project in deposit.

#10- a The Spider Uranium Company, Incorporated, 16 North State Street, Preston Idaho, controls the property which consists of six unpatented continuous claims--Spider Uranium numbers one through six. The property is fifteen miles southeast of Callao, Utah, in an undivided portion of Juab County. The approximate location of the mine is 39 degrees 44 minutes north latitude, 113 degrees 34 minutes west longitude. The area is shown on the Fish Springs Quadrangle Topographic map of the U.S.Geological Survey. The property may be reached from Callao via 20 miles of good unsurfaced road and one mile of access road. The mine is located on the north and of Honeycomb Hill, one of a group of low prominences between the Fish Springs Range and the Deep Creek and Confusion Ranges.

(b) Same as 10 a

#11- Present name- Spider Claims.
No Former name to property-consists of unsurveyed Government land.

#12- The property is fifteen miles southeast of Callao, Utah, in an undivided portion of Juab County. It is also located 78 miles northwest of Delta Utah, (Nearest R.R.) which can be reached by 78 miles of good unsurfaced road and one mile of access road.

#13- a Sufficient water year around, near Callao Utah 15 miles from mine.

(b) Power will be gasoline or diesel, no electric power available.

J. W. McAFFEE
PRESIDENT

O. F. BAUR
SEC.-TREAS.

SPIDER URANIUM MINING CO., INC.

CALLAO, UTAH
Business Office: 16 North State St.
Phone 16
PRESTON, IDAHO

#14- No timber suitable for mining use is available on the property, but ample stands of timber exist in the Deep Creek Range twenty miles to the west.

Water for drilling purposes is now obtained from a creek at an abandoned C.C.C. Camp fifteen miles away. A well four miles south of the mine supplies water for local range use.

The nearest sources of labor and supplies are Delta, Utah, 78 miles away and Eureka, Utah, 103 miles away. Both towns may be reached by good unsurfaced road and both are railway shipping points. Salt Lake City is 190 miles from the mine via road and highway. A flying service to the property is contemplated and several good airstrip sites exist locally.

The closest available electric power is in the Delta area.

Equipment at the property includes a compressor, air tugger, one ton mine car, 450 feet of rail, drifter drill, and miscellaneous mining equipment.

#15- Ore must be trucked to Delta, Utah- (nearest R.R.) 78 miles- shipped by rail to Salt Lake City, 140 miles, mill located at Salt Lake City.

#16 (a) Exploration has been continuous for the past year with no suspensions; Beginning with (4) Four prospector pits and continuous with a 525 foot Tunnel at 19 degree incline.

(b) No known history of adjoining and neighboring claims.

(c) Enclosed herewith U.S.G.S. Survey- Ref. B Reconnassance Report by W.C.Peters Mining Geologist (Ref. C).

#17- Mine is not in production.

#18- No Ore or Mineral reserves.

#19- None

#20- URANIUM

#21- We propose to continue tunneling on an incline, approximately an additional 1000, also 4000 ' of core drilling consisting eight (8) 500' Holes.

#22- Enclosed herewith.

Reconnoissance Report, W.C.Peters Mining Geologist. (ref.C)

#23- a- 2 miners ($15.00 per day 12 Mo. $ 26,500.00
b- 3 muckers approx ($15.00 per day
1 Suprintendent ($15.00 per day
c- Cost of Repairs 1 year $800.00
d- Construction of Compressor & Tool shed $2000.00

J. W. McAFFEE
PRESIDENT

O. F. BAUR
SEC.-TREAS.

SPIDER URANIUM MINING CO., INC.

CALLAO, UTAH

Business Office: 16 North State St.
Phone 16

PRESTON, IDAHO

e- Gasoline tugger $1800.00
1½ ton truck 2800.00
800 gal. water tank 150.00
Ventilating System 1750.00
2000 ft. 20 pound rail 1850.00
1 ton mining car 200.00
215 Cu.Ft.Compressor 3500.00
Fuel, gas & oil 1000.00
500 Gal.Gasoline tank 150.00
Blasting Pd., fuse & caps 4100.00
Timber approx. 1500.00

f- None

g- No Rent

h- Miscellaneous tools and supplies
costing less than $50.00 each $200.00

i- 4000' feet core drilling
figured at $5.00 per foot $20,000.00
Assays & Geological Survey $500.00

#24- Approximately 12 months, period expected development is 1000 feet of Tunnell, 4000 feet of core drilling, amount of money to be spent $68,800.00

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA-1731X

Commodity Uranium

Total Amount $68,800.00

Govt. Participation $61,920.00

1. Name and Address of Applicant Owner F. Baur

16 North State St., Preston, Idaho

2. Location of Property

15 miles southeast of Callao, Juab County, Utah

3. Mineral or metal Uranium Is it listed in Section 9 of MO-5? Yes

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good

b) Poor

c) None

d) Don't know—needs field examination Report by field team is required.

e) Is there an alternative and favorable project? ?
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached?

Does the lease have sufficient time to run to cover a future

productive period?

*question numbers are those of MF-103

7. Are subordination agreements necessary? No

a) MF-201? _____

b) MF-202 _____

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower ?

b) Equipment and supplies YES
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* YES

d) Water (question 13)* YES

e) Power (question 13)* YES

Is a field check needed on any of these points? a

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* YES

Is a field check needed on this point? PREFERABLY

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? No

If not, are there sufficient data given so that you can describe the project? No If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? No

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? YES

If not, what part of it is? _____

Is this part a worthwhile exploration project? _____

d) Are the cost estimates detailed? YES

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? YES If so, attach a draft.

e) Are the cost estimates reasonable? YES, BUT SEEM TO DUPLICATE EXISTING EQUIPMENT

f) Should more information be requested from applicant? YES.

g) Is a field examination necessary to complete Exhibit A? YES

11. Exhibit B (question 23-d)*

a) Is it applicable? YES

b) If so, are sufficient data furnished? NO If so, attach a draft.

c) Is a field check needed? WHY IS SHED NECESSARY AFTER 1 YEAR'S OPERATION?

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? YES

b) Sufficient data? YES If so, attach a draft.

c) Are rents and charges reasonable? YES, BUT WHY DUPLICATE EXISTING EQUIPMENT?

d) Is a field check needed? YES.

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? YES

b) Is the schedule adequate for the work proposed? YES

c) Is the schedule excessive for the work proposed? NO

d) Are the proposed wages and salaries reasonable? ?

e) Is a field check needed? WANT FIELD TEAM'S OPINION ON "d"

14. Exhibit E (question 23-c)*

a) Is it applicable? YES.

b) Sufficient data? No

c) Reasonable? ?

d) Field check needed? WHAT ARE THE $800 REPAIRS FOR?

15. In your judgment, can the proposed work be done in the proposed time? YES

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? IS PROPOSED TUNNEL EXTENSION WARRANTED? WHERE ARE D.D. HOLES TO BE LOCATED? APPLICATION NEEDS SUPPORTING DATA

Review of application with Lincoln R. Page, Geological Survey, Denver, Colorado, is recommended.

Reviewed by: E R Gordon DMA.
H W Keiser U.S.G.S.
J A Hosted, A.E.C.

Date July 5, 1951.

INT.-DUP. SEC., WASH., D.C. 99009

Summary, Question 10 - d

Repairs (?)	$ 800.00
New Buildings	2,000.00
1000 ft. inclined tunnel	33,300.00
4000 ft. diamond drilling @ $5/ft.	20,000.00
Geological work and assaying	500.00
Equipment Cost	12,200.00
Total Cost of Project	$68,800.00

Question 12 - b.

Gasoline Tugger	$ 1,800.00	
1½ Ton truck	2,800.00	
800 Gal. Water Tank	150.00	
Ventilating system	1,750.00	
2000 ft. 20 lb. rail	1,850.00	(seems high)
1 ton mine car	200.00	
215 cu. ft. compressor	3,500.00	
500 gal. gasoline tank	150.00	
	$12, 200.00	

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA-1731X

Commodity Uranium

Total Amount $68,800.00

Govt. Participation $61,920.00

1. Name and Address of Applicant Owne s F. Baur

16 North State St., Preston, Idaho

2. Location of Property

15 miles southeast of Callao, Juab County, Utah

3. Mineral or metal Uranium Is it listed in Section 9 of MO-5? Yes

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4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good

b) Poor

c) None

d) Don't know—needs field examination Report by field team is required.

e) Is there an alternative and favorable project? ?
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached?

Does the lease have sufficient time to run to cover a future

productive period?

*question numbers are those of MF-103

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b) MF-202 _____

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a) Available manpower ?

b) Equipment and supplies YES
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* YES

d) Water (question 13)* YES

e) Power (question 13)* YES

Is a field check needed on any of these points? a

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* YES

_____

Is a field check needed on this point? PREFERABLY

10. Exhibit A. (questions 21 and 22)*

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If not, are there sufficient data given so that you can describe the project? No If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? No

_____

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? YES

If not, what part of it is? _____

_____

_____

_____

Is this part a worthwhile exploration project? _____

d) Are the cost estimates detailed? YES

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? YES If so, attach a draft.

e) Are the cost estimates reasonable? YES, BUT SEEM TO DUPLICATE EXISTING EQUIPMENT.

f) Should more information be requested from applicant? YES

g) Is a field examination necessary to complete Exhibit A? YES

11. Exhibit B (question 23-d)*

a) Is it applicable? YES

b) If so, are sufficient data furnished? NO If so, attach a draft.

c) Is a field check needed? WHY IS SHED NECESSARY AFTER 1 YEAR'S OPERATION?

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? YES

b) Sufficient data? YES If so, attach a draft.

c) Are rents and charges reasonable? YES, BUT WHY DUPLICATE EXISTING EQUIPMENT?

d) Is a field check needed? YES

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? YES

b) Is the schedule adequate for the work proposed? YES

c) Is the schedule excessive for the work proposed? NO

d) Are the proposed wages and salaries reasonable? ?

e) Is a field check needed? WANT FIELD TEAM'S OPINION ON "d".

14. Exhibit E (question 23-c)*

a) Is it applicable? YES

b) Sufficient data? No.

c) Reasonable? ?

d) Field check needed? ← WHAT ARE THE $800 REPAIRS FOR?

15. In your judgment, can the proposed work be done in the proposed time? YES

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? IS PROPOSED TUNNEL EXTENSION WARRANTED? WHERE ARE D.D. HOLES TO BE LOCATED? APPLICATION NEEDS SUPPORTING DATA

Review of application with Lincoln R. Page, Geological Survey, Denver, Colorado, is recommended.

Reviewed by: E.R. Gordon, DMA
Jos. Hosted, A.E.C.
H.D. Kuser, U.S.G.S.

Date July 5, 1951.

INT.-DUP. SEC., WASH., D.C. 99009

Summary, Question 10 - d

Repairs (?)	$ 800.00
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4000 ft. diamond drilling @ $5/ft.	20,000.00
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Gasoline Tugger	$ 1,800.00	
1½ Ton truck	2,800.00	
800 Gal. Water Tank	150.00	
Ventilating system	1,750.00	
2000 ft. 20 lb. rail	1,850.00	(seems high)
1 ton mine car	200.00	
215 cu. ft. compressor	3,500.00	
500 gal. gasoline tank	150.00	
	$12, 200.00	

W. C. PETERS
MINING GEOLOGIST
1135 E. Fremont Pocatello, Idaho

May 14, 1951

RECONNAISSANCE REPORT

The Spider Uranium Group

Juab County, Utah

SUMMARY

The Spider Uranium Company's property at Honeycomb Hill, near Callao, Utah, includes a secondary uranium deposit with a potential production of several thousand tons of shipping ore. Primary ore, while not indicated, may exist below the deposit now being developed, in which case a new and significant mining district will be established.

The present workings consist of a 410 foot incline and three prospect pits. The mineralization exposed in the workings consists of secondary uranium ore in many small fissures and in cracks throughout local areas in the country rock.

Little shipping ore has been encountered so far, but, due to the intensity of the leaching, much of the ore has been removed in solution from near-surface areas and richer concentrations of ore may be expected at depths of a few hundred feet.

Two areas, one in the immediate vicinity of the Spider Incline and one nearby, are considered most favorable.

In order to gain further information as to the value and extent of the ore shoots, diamond drilling is recommended.

INTRODUCTION

The Spider Uranium Group was brought to the attention of the writer by Mr. Bert E. Weston, Wendell, Idaho. The property was examined on May 4th and 5th, 1951. Mr. Weston and officers of the Spider Uranium Company assisted in the filed examination and provided basic data concerning the property.

LOCATION

The property is fifteen miles southeast of Callao, Utah, in an undivided portion of Juab County. The approximate location of the mine is 39 degrees 44 minutes north latitude, 113 degrees 34 minutes west longitude. The area is shown on the Fish Springs Quadrangle Topographic map of the U. S. Geological Survey. The property may be reached from Callao via 20 miles of good unsurfaced road and one mile of access road. The mine is located on the north end of Honeycomb Hill, one of a group of low prominences between the Fish Springs Range and the Deep Creek and Confusion Ranges. The topography is rugged in the nearby mountains, but the desert basin surrounding the property has low relief. The altitude of the mine is approximately 5000 feet.

Rainfall is slight and no perennial streams exist in the immediate area. A small amount of snow falls in the winter and operations may be carried on throughout the year.

PROPERTY

The Spider Uranium Company, Incorporated, 16 North State Street, Preston, Idaho, controls the property which consists of six unpatented contiguous claims--Spider Uranium numbers one through six. A millsite has been planned.

HISTORY

The mineralized area was discovered and located in June, 1950, by Messrs. J. W. McAffee and H. P. Bertelsen, officers of the Spider Uranium Mining Company.

No ore shipments have been made to date, but development work has been in continued progress since location.

The property has been visited twice by representatives of the U. S. Geological Survey. According to company officers, further examination by the U. S. Geological Survey is scheduled.

FACILITIES

No timber suitable for mining use is available on the property, but ample stands of timber exist in the Deep Creek Range twenty miles to the west.

Water for drilling purposes is now obtained from a creek at an abandoned C.C.C. Camp fifteen miles away. A well four miles south of the mine supplies water for local range use.

The nearest sources of labor and supplies are Delta, Utah, 78 miles away and Eureka, Utah, 103 miles away. Both towns may be reached by good unsurfaced road and both are railway shipping points. Salt Lake City is 190 miles from the mine via road and highway. A flying service to the property is contemplated and several good airstrip sites exist locally.

The closest available electric power is in the Delta area.

DEVELOPMENT

Mine workings on the property consist of an incline, three prospect pits, and a short cross-cut. (See geologic sketch and section).

The incline is 410 feet in length with an inclination of 18½ to 19½ degrees. A crosscut joins the incline and extends for 53 feet from the portal. Although the ground is rubbly, it stands well without timber. Water has not been encountered in any portion of the workings.

Equipment at the property includes a compressor, air tugger, one ton mine car, 450 feet of rail, drifter drill, and miscellaneous mining equipment.

GEOLOGY

The property is in a minor range of the Basin-Range system. The bedrock in the surrounding ranges comprises a great variety of Paleozoic sediments, mainly limestone, dolomite, and quartzite, with numbers of igneous instrusions and flows. The structure is complex in all of the nearby ranges and involves several stages of folding and faulting.

The desert valleys between the ranges are filled with alluvium and have been the sites of playa lakes and portions of acient Lake Bonneville. Each range is partly buried by transported debris which has collected in the basins.

The writer was unable to examine more than the immediate vicinity of the Spider workings. Honeycomb Hill and adjacent hills consist of volcanic rocks which range from basaltic to rhyolitic in character. The low range of which Honeycomb Hill is a member extends generally north-south and judging from "float" seen at a few points, consists of limestone and dolomite as well as volcanics.

The country rock at Honeycomb Hill is a volcanic flow-breccia (see accompanying reconnaissance map). The general appearance of the rock is mottled light grey. Small dark volcanic glass fragments and abundant larger angular fragments of dark brown, reddish brown, and purple andesite and basalt are found throughout. Some fragments measure several inches across. The matrix ranges from hard and fine-grained to soft and tuffaceous. Flow-bedding is conspicuous and is accentuated by wind erosion. Several coarse rubbly beds were noted. The writer has tentatively classified the rock as a rhyolitic flow-breccia. The presence of large glassy feldspar crystals in a few places indicates that at least a portion of the Honeycomb Hill rock may be trachyte flow-breccia.

In frequent small fractures in the Honeycomb Hill rock are filled with aggregates of clear quartz, smoky quartz, biotite, golden mica, and very minor galena.

Exposures of andesite and transported fragments of basalt were noted on adjacent hills. Falsic volcanic rock seems to be confined to Honeycomb Hill and to an adjacent knob known locally as "the bell".

The structure in the vicinity of the mine, as noted in the flow-bedding is that of a large dome or anticline. The axis passes near the incline and both limbs of the structure exhibit complex recubbent folding.

No large faults were noted, but fractures are abundant on all parts of the hill. The fractures follow many very local trends but do not seem to have a consistent pattern for the hill in general.

In the writer's opinion, Honeycomb Hill is situated in the immediate vicinity of a vent, which existed during an explosive interval in the volcanic history of the area. The rhyolite flow-breccia overlies basalt and andesite, suggested by the presence of darker fragments in the breccia.

Two definite portions of the area were noted to carry most of the surface exposures of uranium ore. One such locality is at the Spider Incline portal and in the nearby prospect pits. Another such locality is 800 feet southwest of the Spider portal. Scattered autunite-bearing fractures of less definite grouping were noted in other nearby parts of the area.

Uranium occurrences comprise fissure fillings and flecks on the finest fracture surfaces in the flow-breccia. The fissure fillings range from thin films to crystalline encrustations. Several inches in thickness and, in the mineralized areas, follow several local trends. Uranium minerals noted were:

<u>Autunite</u> - in foliated masses and encrustations. Sulphur yellow in color. The most common uranium mineral in the area.

<u>Uranophane</u> - in very small fibrous and radiated masses in open vags. Yellow in color.

<u>Torbernite</u> - (or Meta-Torbernite) in foliated masses and encrustations. Rarely pure green--more commonly mixed with autunite to form greenish-yellow masses.

The associated gangue minerals are mainly opal and a white porcellain-like mineral tentatively identified as magnesite. In a number of the fissures, autunite is distributed through the gangue minerals.

Five samples for assay were taken by the writer and nine samples had been previously taken by others. The assay data are given below. The sample locations are shown on the accompanying maps.

The following assays were made by Crismon and Nichols, Assayers, Salt Lake City, and the samples were taken by writer. In each case the sample was coned and quartered to two pounds for assay.

Date: May 7, 1951

Spider No. 1 — 0.54% Uranium Oxide

Five foot vertical channel both ribs in rubbly flow breccia twenty feet from face of the incline. The material sampled contained flecks of autunite on small fractures throughout.

Spider No. 2 — 0.03% Uranium Oxide

Eight foot vertical channel sample from ribs and back in prospect pit number two. The sample was taken in rubbly flow breccia and at right angles to several veinlets of autunite.

Spider No. 3 — 0.03% Uranium Oxide

Six foot vertical channel sample, ribs and back at face of Spider Incline in rubbly flow breccia with flecks of autunite on small fractures.

Spider No. 4 — 0.04% Uranium Oxide

Five foot horizontal channel sample across several fluorescent white vemlets in Spider Incline.

Spider No. 5 — 0.07% Uranium Oxide

Six foot channel sample entirely along autunite seam in prospect pit number two.

The following assay was made by Crismon and Nichols. The sample was taken by J. W. McAffee as a picked seam sample:

Date: April 27, 1951

Spider Uranium Company

(No number) — 3.69% Uranium Oxide

The following assay results were given in a letter from the U. S. Geological Survey, Denver, Colorado, dated January 30, 1951. The sample was taken by a reconnaissance party in August, 1950.

Serial No.	Description	Uranium percent
SB- 33-50	Spider Adit	0.034

Serial No.	Description	Uranium percent
SB-34-50	Spider Adit	0.059
SB-35-50	Spider Adit	0.060
SB-36-50	Spider Dump	0.022
SB-36-50	Spider, 1st open cut east	0.004
SB-37-50	Spider, 2nd open cut east	0.014
SB-38-50	Spider, 3rd open cut east	0.024
SB-30-50	Honeycomb, altered perphyry	0.015

The indication of the above assays is that while many of the exposed mineralized areas do not carry a high enough percentage of uranium to be classed as a shipping ore (greater than ten hundredths percent Uranium Oxide), hand-dressing of the ore in certain zones will yield a concentrate which can be readily shipped.

Of particular significance is the Spider sample number one, taken by the writer, which assayed 0.54% Uranium Oxide. This represents mine-run ore from that particular area. A similar channel taken twenty feet away assayed 0.03% and may not be classified as ore. Sample number one also contained more Uranium than many of the large mineralized fractures nearer the surface--suggesting that much of the ore has been leached from the near-surface portions of the fractures. It is also noted that some of the white fluorescent vein matter contains little Uranium.

Near the portal and in the other main mineralized area, it is apparent that much of the autunite has been leached from the seams, leaving crusts of sutunite only in the more protected portions. Open fractures are abundant throughout the area, both surface and underground. Many rather large and pockety open watercourses exist in the Spider Incline. In most cases these contain only very minor amounts of autunite. In some cases small fractures contain autunite while adjacent large open ones are barren. Judging from the penetration of autunite into the very minute fractures of the country rock, as in the area sample for Spider number one, it seems reasonable to believe all available open space in the vicinity of the main mineralized areas was filled at one time.

Insofar as developed, the workings penetrate an oxidized secondary deposit. Generally such deposits are richest between the surface and the water table, the depth increasing with the intensity of the leaching and the depth of the water table. One well four miles south of the mine struck water at 400 feet--this would indicate that the oxidized zone should be quite deep.

The ultimate source of the Uranium is a matter of conjecture. Most oxidized secondary deposits are concentrated entirely by cold ground water, the source being a primary vein deposit, Uranium-bearing pegmatites, or uranium-bearing bituminous or phosphatic shales. In many cases, such deposits have been carried many miles in solution until favorable conditions were encountered for precipitation. The close association of autunite with opal in the spider workings is suggestive of transport by hot water. In order to precipitate the two minerals simultaneously the material might not have been carried far from the primary deposit. The source of the uranium is, in the writer's opinion either a uranium-bearing pegmatite or a primary vein deposit in the vicinity of Honeycomb Hill. The exact nature of the source can be known only if primary uranium minerals are encountered in the workings.

With the present data in mind, secondary ore shoots may be expected within a few hundred feet of the surface and mostly above the water table. The country rock may change in character before this depth is reached, in which case the autunite deposit will also change, with possible ore shoots along the contact.

MINING

The most favorable area for development is roughly between 100 and 500 feet below the presently encountered autunite-bearing fissures in the Spider Incline. Another such area would be at the same depth between the incline and "the bell". Both areas should be explored by diamond drilling before development procades much further. Actual development plans should depend upon the drilling logs.

Several cones already exposed can be selectively mined and hand-concentrated. The values near the surface and in the incline are "spotty". Selective mining would rely very closely upon the Geiger counter plus very close sampling for assay rather than on the "mineralight".

POSSIBILITIES

LOCAL

The Spider group exposes a low grade secondary uranium deposit which should increase in value with depth until the water table is reached. With favorable conditions persisting, several thousand tons of shipping ore may be expected. Penetration of the ore at slight depth below the present workings is necessary before any ore reserve estimates can be made. There is, at present, no indication of primary ore. The most logical place to expect a primary Uraninite vein or a non-commercial uranium-bearing pegmatite is below the present occurrence or at least in the near vicinity.

DISTRICT

Large primary uranium deposits have been found only in mesothermal veins around the borders of "shield" areas such as the Canadian Shield "Great Bear Lake), the Rhodesian Shield (Katanga) and the Bohemian Massif (Joachimsthal). Western Utah is not on the border of a shield area. It should be noted, however, that very profitable small primary deposits have been developed in other areas. The ore at Marysvale, Utah, is associated with primary ore at shallow depth. While no comparison can be made as yet, the similarity of Marysvale and Honeycomb Hill, removed as they are from shield areas, is encouraging.

RECOMMENDATIONS

1. Further contact with the U. S. Geological Survey is in order. It would be well to invite survey geologists to re-visit the property and note the new developments in the incline.
2. The downward extent of the ore and the location of major ore shoots should be determined by diamond drilling. The following holes are suggested:

   D. D. H. No. 1 (See section sketch and geologic sketch)
   Bearing: N 85 Deg. 30 Min. W.
   Inclination: Minus 5 Deg. 30 Min.
   Length: Approx. 340 feet.

   This hole would be to gain first information on the trend of the ore-bearing structure and to determine the grade of the ore at that depth.

D. D. H. No. 2 (See Section sketch and Geologic sketch)
Bearing: N 85 Deg. 3o Min. W.
Inclination: Minus 30 Deg.
Length: Approx. 340 feet.
This hole would further establish the location of ore shoots.

D. D. H. No. 3 -- A short hole from the surface in the vicinity of the mineralized area between the spider incline and "the bell", to test mineralization in that area.

Other drill holes, as based on the information thus far gained would serve to outline ore shoots. Complete core recovery may be difficult and sludge samples should be assayed frequently. Open water courses may prove troublesome in causing loss of sludge.

3. A check sample should be taken in the vicinity of Spider Sample No. 1. Several short drifter holes could be drilled in the incline walls at this point and sludges assayed.

Respectfully submitted,

William C. Peters

William C. Peters

C. C. CRISMON
PRESIDENT

P. M. CRISMON
VICE-PRESIDENT

ORRIN FISHER
SECRETARY

R. R. CASTO
TREASURER

PHONE 3-7417

CRISMON & NICHOLS

229-231 SO. WEST TEMPLE ST.

P. O. BOX 1708

CERTIFICATE OF ASSAY

SALT LAKE CITY 12, UTAH April 27, 1951

J. F. Mc Afee

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

DESCRIPTION	NO.	Per-cent Uranium Oxide (U_3O_8)				
Spider Uranium Mining Co.		3.69				

REMARKS:

CHARGES $ 5.00 Paid

CRISMON & NICHOLS

BY P. M. Crismon

B
Red.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Box 7618, Lakewood Branch
Denver 15, Colorado

January 30, 1951

Mr. Stewart Sheldon
Callao, Utah

Dear Mr. Sheldon:

This letter is in response to your oral request for the results of the samples collected this past summer from your property by the U. S. Geological Survey reconnaissance party. The results from our laboratory are listed below:

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SB-35-50	do.	0.058	0.060
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SB-37-50	Spider, first open cut east.	0.009	0.004
SB-38-50	Spider, second open cut east.	0.015	0.014
SB-39-50	Spider, third open cut east.	0.030	0.024
SB-80-50	Honeycomb, altered porphyry.	0.021	0.015

The percent equivalent uranium is a measure of the total radioactivity of the sample and does not distinguish between the radioactive elements. The percent uranium, however, is a chemical analysis and gives the uranium content of the sample.

Yours sincerely,

Lincoln R. Page
Geologist in Charge of
Reconnaissance Group

J. W. McAFFEE
PRESIDENT

(Ref #)

O. F. BAUR
SEC.-TREAS.

SPIDER URANIUM MINING CO., INC.

CALLAO, UTAH
Business Office: 16 North State St.
Phone 16
PRESTON, IDAHO

BALANCE SHEET FROM JAN. 1, 1951 TO MAY 15, 1951

SECURITIES		500,000.00
Purchase of Mine equipment and claims	250,000.00	
Unissued Securities	250,000.00	
	500,000.00	500,000.00
CASH DISBURSEMENTS		
Administrative expense	373.78	
Assays and geological survey	134.00	
300 feet of tunnel	4,495.64	
Promotion expense and commissions	5,831.00	
License, Ins. and Taxes	761.20	
Mining equipment	2,096.36	
Motor vehicle	2,480.89	
Mining claim and petty cash	75.00	
Office supplies	272.45	
Deposit on Insurance	200.00	
TOTAL DISBURSEMENTS	16,720.32	
Cash in Bank	6,603.68	
Total	23,324.00	
Stock Sales cash received	23,324.00	
Balance of unissued stock	226,676.00	
Total	250,000.00	
Valuation of properties	250,000.00	
		500,000.00

J. W. McAFFEE
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300 feet of tunnel	4,495.64	
Promotion expense and commissions	5,851.00	
License, Ins. and Taxes	761.99	
Mining equipment	2,096.36	
Motor vehicle	2,480.89	
Mining claim and petty cash	75.00	
Office supplies	272.45	
Deposit on Insurance	200.00	
TOTAL DISBURSEMENTS	16,720.52	
Cash in Bank	6,603.68	
Total	23,324.00	
Stock Sales cash received	23,324.00	
Balance of unissued stock	226,676.00	
Total	250,000.00	
Valuation of properties	250,000.00	
		500,000.00

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Purchase of Mine equipment and claims	250,000.00	
Unissued Securities	250,000.00	
	500,000.00	500,000.00
CASH DISBURSEMENTS		
Administrative expense	370.73	
Assays and geological survey	184.00	
300 feet of tunnel	4,409.04	
Promotion expense and commissions	5,831.00	
License, Ins. and Taxes	761.20	
Mining equipment	2,090.56	
Motor vehicle	2,430.39	
Mining claim and petty cash	75.00	
Office supplies	272.45	
Deposit on Insurance	800.00	
TOTAL DISBURSEMENTS	18,720.52	
Cash in Bank	6,603.48	
Total	25,324.00	
Stock Sales cash received	25,324.00	
Balance of unissued stock	225,676.00	
Total	250,000.00	
Valuation of properties	250,000.00	
		500,000.00

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Purchase of Mine equipment and claims	250,000.00	
Unissued Securities	250,000.00	
	500,000.00	500,000.00
CASH DISBURSEMENTS		
Administrative expense	323.78	
Assays and geological survey	254.00	
300 feet of tunnel	4,495.06	
Promotion expense and commissions	8,853.00	
License, Ins. and Taxes	782.20	
Mining equipment	2,090.36	
Motor vehicle	2,430.32	
Mining claim and petty cash	75.00	
Office supplies	272.15	
Deposit on Insurance	200.00	
TOTAL DISBURSEMENTS	16,723.32	
Cash in Bank	8,605.39	
Total	25,321.00	
Stock Sales cash received	25,324.00	
Balance of unissued stock	249,673.00	
Total	250,000.00	
Valuation of properties	250,000.00	
		500,000.00

COPY

Copy

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GEOLOGICAL SURVEY
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Yours sincerely,

LINCOLN R. PAGE
Geologist in Charge of
Reconnaissance Group

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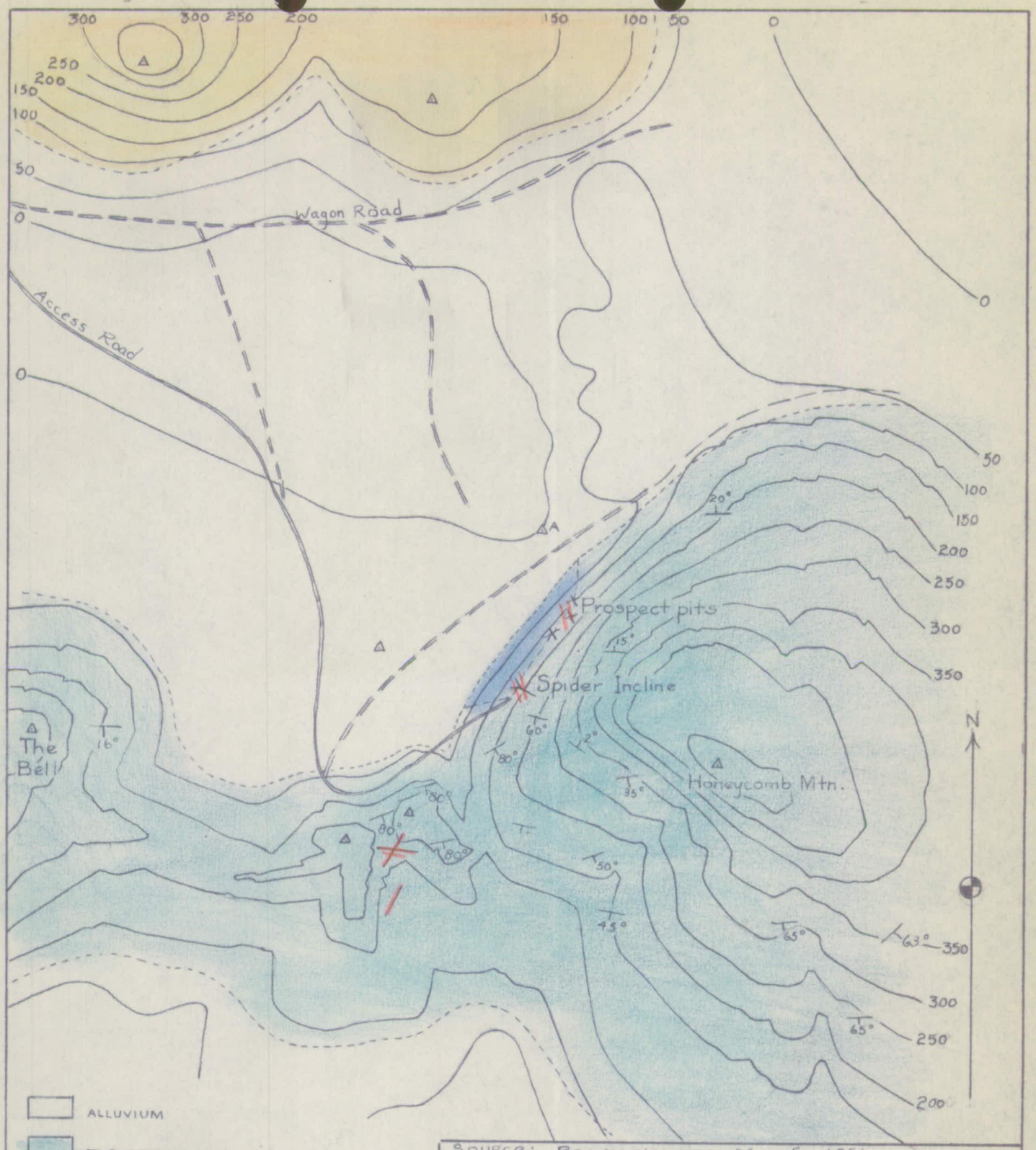


ALLUVIUM

FLOW BRECCIA

HEAVY RHYOLITIC RUBBLE

BASALT & ANDESITE

URANIUM-BEARING FRACTURES

DIP OF FLOW BEDDING

DATUM IS N.W. CORNER OF SPIDER NO. 2 AT △A

Source: Reconnaissance May 5, 1951
Brunton Compass triangulation.

W. C. PETERS
MINING GEOLOGIST
POCATELLO IDAHO

DATE: May 8, 1951 | SCALE: 1 inch = 500 feet

RECONNAISSANCE GEOLOGIC MAP
SPIDER URANIUM AREA
JUAB COUNTY, UTAH

DRAWN: W. C. Peters

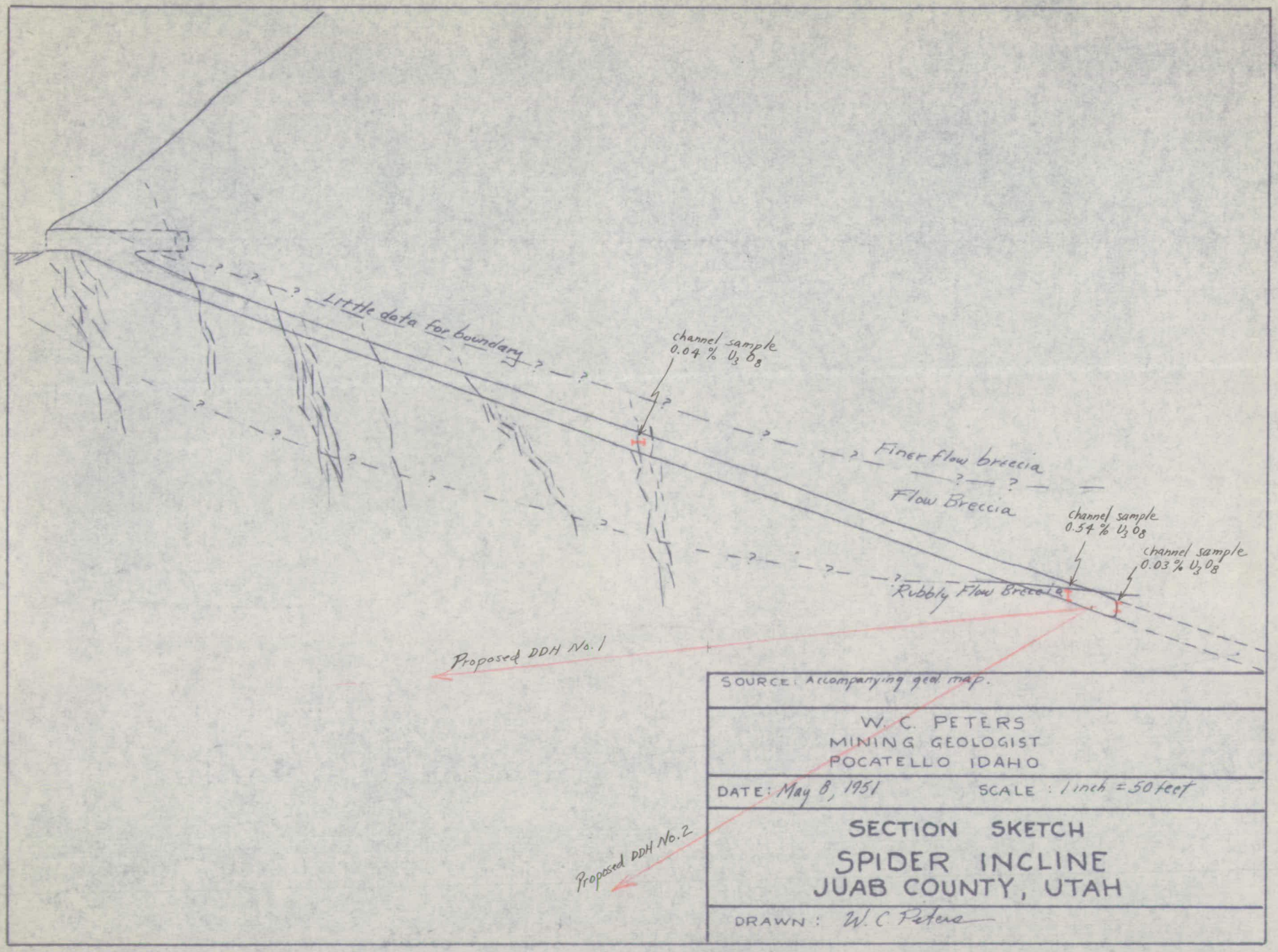
Source:

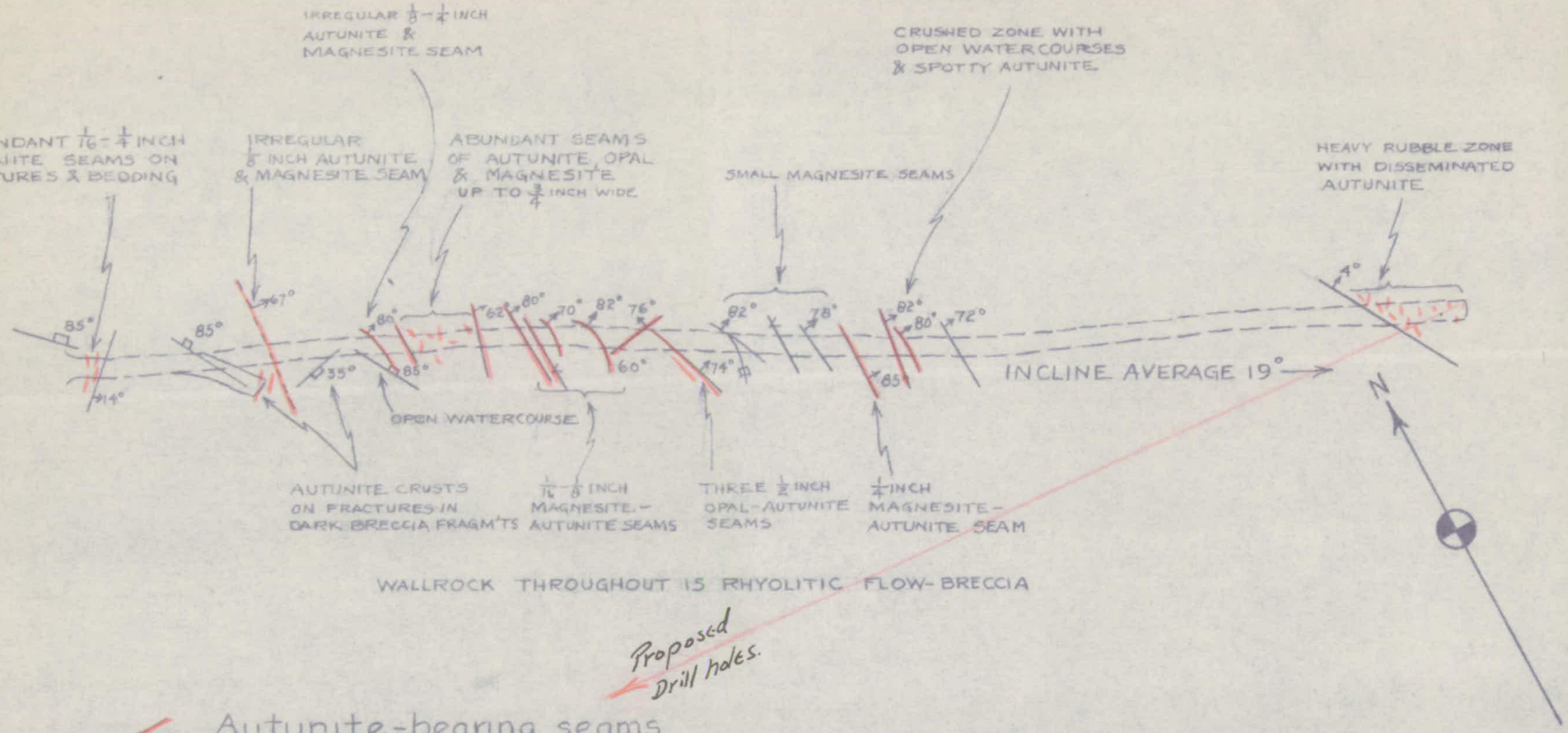
W. C. PETERS
MINING GEOLOGIST
POCATELLO IDAHO

DATE: May 8, 1951 | SCALE: 1" = 19 miles

INDEX MAP
SPIDER URANIUM AREA
JUAB COUNTY, UTAH

DRAWN: W. C. Peters


Little data for boundary
channel sample
0.04 % U_3O_8
Finer flow breccia
Flow Breccia
channel sample
0.54 % U_3O_8
channel sample
0.03 % U_3O_8
Rubbly Flow Breccia
Proposed DDH No. 1
Proposed DDH No. 2
SOURCE: Accompanying geol map.
W. C. PETERS
MINING GEOLOGIST
POCATELLO IDAHO
DATE: May 8, 1951
SCALE: 1 inch = 50 feet
SECTION SKETCH
SPIDER INCLINE
JUAB COUNTY, UTAH
DRAWN: W. C. Peters



SOURCE: Reconnaissance, May 5, 1951	
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GEOLOGIC SKETCH SPIDER INCLINE JUAB COUNTY, UTAH	
DRAWN: W. C. Peters	