DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. DMS 4-3208

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in Reports and Records Branch. Any movement of this document between divisions or offices of DMA or movement outside DMA must be reported to the Reports and Records Branch. Actions taken that affect status of the case must also be reported.

This document has been recorded as

Exploration Assistance

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

1 cy to M. S. B. M., ~~USGS~~, 1 cy retained in Region, 1 to Docket

Routing Slip

To:	700	Date	11-13-53
To:	Open Com	Date	12-16-53
To:	Code 700	Date	12/17/53
To:	Open Com	Date	2-26-54
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DO NOT DETACH

CONTROLLED DOCUMENT

(-BM 49)

Denied

DMEA files

MONTANA AMERICAN URANIUM MINING CO.
William B. Hewson
915 6th Ave. No.
Great Falls, Montana
Oct. 25 1954

UNITED STATES DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
So. 157 Howard Street
Spokane 4, Washington

Att: A.E. Weissenborn
Executive Officer, D.EA
Feild Team, Region II

Dear Sir;

Over 1 year ago I filed application thru your office to the DMEA for loan for URANIUM EXPLORATION AND DEVELOPMENT on my property.

My application was forwarded to Washington D.C but was turned down there apparently, from lack of recommendation from this end.

I have done considerable work on my property this summer and have gotten into good commercial ore however I have to do much more exploration and development work before it will be a commercial producer of any extent.

I spent all the money I could beg, and borrow to put in it my self, now since I have with my own money proved up my property a little better couldnt the government thru your department now grant me a loan?

I know that your department recomended a loan to "Lewis" on his Red Rock Property that was purely exploration and had no showings such as I have, yet you recomended lending him $35,000.00 or so, if you can do this on a property such as that how come a legitimate, bonafide URANIUM property cant get it?

I have spoken to Leonard D. Jarrard in Butte and he feels that my property warrants Exploration and development.

I would certainly be pleased if you would consider my making a second application for loan and recommend it in a more favorable light, and please check my Property with me along so as to be thourghly familar with it.

Hoping to hear from you soon, in regards to my loan application.

Sincerely yours Wm B. Hewson

RECEIVED
OCT 26 1954
U.S.G.S.

Received

xxxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

November 3, 1954

Mr. E. E. Thurlow
U. S. Atomic Energy Commission
P. O. Box 2196
Salt Lake City, Utah

Re: Proposed application (uranium)
Montana American Uranium Mining Corp.
Jefferson County, Montana
(Previous application - Docket No. DMEA-3208)

Dear Ernie:

Enclosed is a copy of a letter from William E. Hewson of Great Falls, Montana, and a copy of our answer. You will recall that Hewson's previous application to explore for uranium on his Atomizer, Redstone, Billy Joyce, My Ore No. 1 and My Ore No. 2 claims was turned down. He says he has done some more work so we are obliged to receive another application.

Again, we would appreciate your comments on whether or not you think the property has merit. The results of your drilling in 1953 on the Atomizer and Redstone would seem to preclude justifying an exploration project, but if you have any new information on which to base any other conclusion, we would appreciate receiving your comments.

Very truly yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures
cc: L. D. Jarrard
AEC, Butte, w/encls.
USBM (2)
DMEA (2)
Becraft

xxxxxxxxxxxxxxxxxx
No. 157 Howard Street
Spokane 4, Washington

November 5, 1954

Mr. S. C. Thurlow
U. S. Atomic Energy Commission
P. O. Box 2196
Salt Lake City, Utah

Re: Proposed application (uranium)
Montana American Uranium Mining Corp.
Jefferson County, Montana
(Previous application - Docket No. DMEA-3206)

Dear Mr. Thurlow:

Enclosed is a copy of a letter from William D. Newson of Great Falls, Montana, and a copy of our answer. You will recall that Newson's previous application to explore for uranium on his Stomper, Nestone, Billy Joyce, My Gre No. 1 and My Gre No. 2 claims was turned down. He says he has done some more work so we are obliged to receive another application.

Again, we would appreciate your comments on whether or not you think the property has merit. The results of your drilling in 1953 on the Stomper and Nestone would seem to preclude justifying an exploration project, but if you have any new information on which to base any other conclusion, we would appreciate receiving your comments.

Very truly yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures
cc: L. D. Jarrard
DMEA, Butte, w/encls.

USBM (2)
DMEA (2)
Becraft

Surname
Doc[redacted] Copy

700

Ching
Ellis
Guild
Hughes
Selfridge
Hymon

MAR 1 1954

Mr. W. B. Hewson, Secretary
Montana American Uranium Mining Corporation
915 Sixth Avenue
North Great Falls, Montana

Re: Docket No. DMEA-3208 (Uranium)
Atomizer, Red Stone, Billy Joyce, and
My Ore Nos. 1 and 2 claims
Jefferson County, Montana

Dear Mr. Hewson:

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

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

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

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

Sincerely yours,

J. O. Mittendorf (fw)

Administrator

MChing/gla
2-25-54
cc to: Adm. Reading File
Operating Committee
Docket ✓
Messrs. HDKeiser, Rm. 3641
APButler, Jr. Rm. 3212, GSA
Code 700
Mr. Ching
DMEA Field Team, Region II (2)

R.G.G. 3-1-54

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

DOCKET COPY

February 24, 1954

Summary of proposed project

Docket No. DMEA-3208
Application dated: November 5, 1953
Applicant: Montana American Uranium Mining Corp.
915 - 6th Avenue, Great Falls, Montana

Subject: Denial of application

Commodity: Uranium
Location of property: Jefferson County, Montana Region II
Amount of application: $10,000.00

Outline of project: Applicant proposes to drive a 400-foot crosscut to the south from the northern boundary of the Atomizer claim to intercept six veins exposed at the surface.

Field Team Report: Dated January 6, 1954.
By: George C. Becraft, USGS

Recommendations: The Field Team recommends that the application for an exploration project contract on the Atomizer, Redstone, Billy Joyce, Hy Ore #1 and Hy Ore #2 claims be denied because drilling by the A.E.C. on this and other properties in the area have failed to disclose any mineralization of ore grade, and underground exploration on similar vein structures in the area have also failed to find ore.

Commodity Members' comments:

Bureau of Mines: H. D. Keiser, February 1, 1954.

Concurs with the Field Team's recommendation that the application be denied.

Geological Survey: Arthur P. Butler, February 17, 1954.

Concurs with the Field Team's recommendation that the application be denied. Radioactive measurements indicate that it is unlikely that ore grade material persists over mining widths, and diamond drilling by the A.E.C. on the Redstone and Atomizer claims failed to encounter uranium mineralization of ore grade.

Rare and Misc. Metals Division engineer: Michael Ching

Comments -

The Applicant's description of the work proposed and his estimate of costs are plainly inadequate. Results of the work done on the property by Applicant are inconclusive and lack supporting sampling and assay data.

Mr. George E. Becraft's observations on the property and the negative results of the five holes drilled by the Atomic Energy Commission on the Atomizer and Redstone claims do not encourage further exploration. Furthermore, many similar vein structures have been extensively drilled in the Clancey area by the Atomic Energy Commission, and underground exploration programs have been conducted on five such vein structures, without discovery of ore bodies.

It is recommended that the application be denied.

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare & Miscellaneous Metals
Division

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : E. Wm. Ellis, DMEA Member, Uranium Commodity Committee

DATE: February 17, 1954

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 19 1954

FROM : Arthur P. Butler, Jr., USGS Member, Uranium Commodity Committee

SUBJECT: Final Field Team Report, DMEA Docket 3208 (Uranium), Montana American Uranium Mining Corporation, North Great Falls, Montana, applicant; Atomizer, Red Stone, Billy Joyce, and Ny Ore Nos. 1 and 2 claims, Jefferson County, Montana

I have reviewed the Field Team report identified above, and concur with the recommendations that exploration assistance be denied. Examination and evaluation of the property, in 1952, by Mr. G. E. Becraft, U. S. Geological Survey, indicates that the property contains small amounts of secondary uranium minerals, probably meta-torbernite and uranophane. Although scattered samples of ore grade material have been obtained from the claim, radioactivity measurements indicate that it is unlikely that such grade presists over mining widths. Subsequent to Becraft's examination, diamond drilling by the Atomic Energy Commission on the Redstone and Stomizer failed to encounter uranium mineralization of ore grade.

Copies to: E. Wm. Ellis (2) Arthur P. Butler, Jr.

2/23/54 gla

E. Wm. Ellis, DMEA Member, Uranium Commodity Committee

February 17, 1954

Arthur P. Butler, Jr., USGS Member, Uranium Commodity Committee

Office of the Director
Defense Minerals Administration
RECEIVED
19 1954

Final Field Team Report, DMEA Docket 3208 (Uranium), Montana American Uranium Mining Corporation, North Great Falls, Montana, applicant; Atomizer, Red Stone, Billy Joyce, and My Ore Nos. 1 and 2 claims, Jefferson County, Montana

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Copies to: E. Wm. Ellis (2)

E. Wm. Ellis, DMEA Member, Uranium Commodity Committee

February 17, 1954

Arthur P. Butler, Jr., USGS Member, Uranium Commodity Committee

Final Field Team Report, DMEA Docket 3208 (Uranium), Montana American Uranium Mining Corporation, North Great Falls, Montana, applicant; Atomizer, Red Stone, Billy Joyce, and My Ore Nos. 1 and 2 claims, Jefferson County, Montana

I have reviewed the Field Team report identified above, and concur with the recommendations that exploration assistance be denied. Examination and evaluation of the property, in 1952, by Mr. G. E. Becraft, U. S. Geological Survey, indicates that the property contains small amounts of secondary uranium minerals, probably meta-torbernite and uranophane. Although scattered samples of ore grade material have been obtained from the claim, radioactivity measurements indicate that it is unlikely that such grade presists over mining widths. Subsequent to Becraft's examination, diamond drilling by the Atomic Energy Commission on the Redstone and Stomizer failed to encounter uranium mineralization of ore grade.

Copies to: E. Wm. Ellis (2)

2/3/54 gla

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

Defense Minerals Administration
RECEIVED
FEB 1 1954

February 1, 1954

Memorandum

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

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

Subject: Field Team Report, DMEA Docket 3208, Montana American Uranium Mining Corp., Jefferson County, Montana.

I have reviewed the subject report and discussed it with Joseph O. Hosted, representative of the Atomic Energy Commission.

I concur with the Field Team in its recommendation that the application involved under the subject docket be denied.

The report has been forwarded to the Chief, Minerals Division, Bureau of Mines, in accord with the routing slip attached thereto.

H D Keiser
H. D. Keiser

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

Bureau of Mines Administration
RECEIVED
FEB 1 1954

February 1, 1954

Memorandum

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

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

Subject: Field Team Report, DMEA Docket 3208, Montana American Uranium Mining Corp., Jefferson County, Montana.

I have reviewed the subject report and discussed it with Joseph O. Hosted, representative of the Atomic Energy Commission.

I concur with the Field Team in its recommendation that the application involved under the subject docket be denied.

The report has been forwarded to the Chief, Minerals Division, Bureau of Mines, in accord with the routing slip attached thereto.

Signed

H. D. Keiser

1/28/54 gla

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

xxxxxxxxxxxxxxxxxxxx
No. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 22 1954

January 14, 1954

NOTED

FEB 8 1954
Terrell
Butler

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-3208 (uranium)
Montana American Uranium Mining Corp.
Jefferson County, Montana

Dear Mr. Selfridge:

Enclosed is a report from George E. Becraft of the Geological Survey recommending denial of the application for an exploration contract for the exploration for uranium on certain claims owned by the Montana American Uranium Mining Corporation in Jefferson County, Montana.

You will note that no special examination was made for the purpose of this report, the report being based on work done by Becraft during the 1952 field season and on the basis of some unsuccessful drilling done by the Atomic Energy Commission on the Redstone and Atomizer claims this fall. On the basis of Becraft's knowledge of the area and of the AEC drilling, the Field Team can see no justification for recommending approval of the application.

By Field Team, Region II

A. E. Weissenborn, Exec. Officer
(U. S. Geological Survey)

Thomas L. Howard, Acting Member
(U. S. Bureau of Mines)

Enclosure

cc: USBM (2)
Becraft

GEOLOGICAL SURVEY
TRACT
RECEIVED
FEB 4 1954
Denver

Reviewed by
DMEA OPERATING COMMITTEE
1-21-54
(date)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 22 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

January 6, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: George E. Becraft, Geologist, U. S. Geological Survey

Subject: Docket No. DMEA-3208 (uranium), report on Montana American Uranium Mining Corp. property, Jefferson County, Montana

RECOMMENDATIONS

It is recommended that the application for an exploration project contract on the Atomizer, Redstone, Billy Joyce, Hy Ore #1, and Hy Ore #2 claims submitted by the Montana American Uranium Mining Corporation, 915 - 6th Ave. North, Great Falls, Montana, be denied.

INTRODUCTION

During the 1952 field season, the writer mapped the area around the applicant's property in conjunction with detailed mapping of the Boulder batholith. Since that time, four holes have been drilled on the Redstone claim and one hole on the Atomizer claim with a percussion drill by the U. S. Atomic Energy Commission and a small trench has been dug on the Atomizer claim.

PROPERTY AND LOCATION

The writer does not know the location of the Hy Ore #1, Hy Ore #2, and Billy Joyce claims. The Atomizer and Redstone unpatented claims are located in the SE¼SW¼, sec. 1, T. 7 N., R. 4 W., MPM, in Jefferson County, Montana (see attached map). These two claims were originally filed upon by Mr. Wayne Hinman of Clancey, Montana. The following is quoted from a letter to George E. Becraft from Wilmer R. Peterson, acting chief, Butte Sub-Office, U. S. Atomic Energy Commission: "Last week Wayne (Hinman) stated to me that he sold the Redstone and Atomizer to W. B. Hewson, 915 - 6th Avenue North, Great Falls, Montana, for $5,000, and a letter arrived here from Hewson and the County Clerk and Recorder of Jefferson County indicating that the claims are recorded in Book 75, Pages 51 and 53, as of December 18, 1953." A copy of this letter is attached.

Reviewed by
DMEA OPERATING COMMITTEE
1-27-54
(date)

GEOLOGY

The two claims are located on the top of a ridge at an elevation of about 5,400 feet. The country rock, quartz monzonite, is cut by many chalcedonic vein zones comprised of stringers of chalcedonic quartz in intensely silicified quartz monzonite. On one vein zone on the Atomizer claim and one on the Redstone claim, anomalous radioactivity was detected. Two samples from the Atomizer, selected as the most radioactive found, contained 0.17 percent eU - 0.14 percent U and 0.15 percent eU - 0.12 percent U. In these samples two secondary uranium minerals, probably meta-torbernite and uranophane, were identified. The Atomic Energy Commission reports one sample from the vein zone on the Redstone claim contained 0.208 percent U_3O_8. The vein zones on both claims range in width from 2 to 6 feet, with the secondary uranium minerals disseminated throughout this width. No channel samples across the full width of the vein zones have been taken, but radiometric examination with a geiger counter indicates that the grade of such samples would be much lower than the selected samples.

During the 1953 field season, the U. S. Atomic Energy Commission drilled four holes on the Redstone claim and one hole on the Atomizer claim. Logs of these holes are attached and it can be seen that none encountered mineralization of ore grade.

DISCUSSION OF THE APPLICANT'S PROPOSAL

The applicant proposes to drive a 400-foot crosscut to the south from the northern boundary of the Atomizer claim. The sketch map included in the application does not make it clear just where this crosscut would be driven, but in any case, the proposed crosscut would not be practical. It can be seen from the attached map (slightly modified from a map made by the U. S. Atomic Energy Commission) that the maximum depth below the surface of such a crosscut would be less than 40 feet. The only practical ways of exploring this vein zone would be by sinking a shaft or by diamond drilling.

CONCLUSIONS

It is recommended that this application for an exploration loan be denied for the following reasons:

1. Drilling by the AEC on the Redstone claim failed to disclose any mineralization even approaching ore grade. The radioactive occurrence on the Redstone is very similar to the Atomizer.

2. The one drill hole on the Atomizer also disclosed only low-grade mineralization. While this is certainly not adequate in itself to demonstrate the lack of ore on the property, it must be taken into consideration.

3. Many similar vein zones in the vicinity of Clancey have been extensively drilled by the U. S. Atomic Energy Commission with no discovery of any ore bodies.

4. Underground exploration programs have been conducted on five similar vein zones in the area and none resulted in the discovery of ore.

Enclosures (2)
Distribution:
DMEA (4)
USBM (2)
USGS(SRO)
AEC - Salt Lake (2)
Docket
Becraft

December 29, 1953

SLEB:WRP:aes

Mr. George E. Becraft
Geological Survey
U.S. Department of the Interior
South 157 Howard Street
Spokane 4, Washington

Dear George:

In reply to your request for information on the Redstone and Atomizer Claims, I have enclosed a crude sketch made from field notes, a rough plane table map, and the logs of the drilled holes. These holes are not diamond drill holes but are percussion holes from which we received only dry blown cuttings that were assayed at the hottest spots as indicated on the logs.

These samples are not very encouraging, and our bulldozer work on road building and hole leveling exposed no additional radioactivity. You will notice on the rough sketch that there is a good sample and hot spot at the end of the trench which would warrant some additional work.

I have some old notes from a chat with Wayne Hinman stating that the Lucky Six and Black Magic adjoin the Atomizer and Redstone to the east. Last week Wayne stated to me that he sold the Redstone and Atomizer to W. B. Hewson, 915 6th Avenue North, Great Falls, Montana, For $5000, and a letter arrived here from Hewson and the County Clerk and Recorder of Jefferson County indicating that the claims are recorded in Book 75, Pages 51 and 53, as of December 18, 1953. Buford Miles said Wayne received payment, but we still consider it to be hearsay.

The other claims - Billy Joyce, Hy Ore 1, and Hy Ore 2 - are listed on our notarized Affidavit and Request for Factual Data form along with the Redstone and Atomizer as being owned by W. B. Hewson as of November 5, 1953, although I believe at this time they were leased.

Hope this will be an answer to your questions. Happy New Year.

Sincerely yours,

Wilmer R. Peterson
Acting Chief, Butte Sub-Office

Enclosures
As above

1/22/54 gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 22 1954

January 14, 1954

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-3208 (uranium)
Montana American Uranium Mining Corp.
Jefferson County, Montana

Dear Mr. Selfridge:

Enclosed is a report from George E. Becraft of the Geological Survey recommending denial of the application for an exploration contract for the exploration for uranium on certain claims owned by the Montana American Uranium Mining Corporation in Jefferson County, Montana.

You will note that no special examination was made for the purpose of this report, the report being based on work done by Becraft during the 1952 field season and on the basis of some unsuccessful drilling done by the Atomic Energy Commission on the Redstone and Atomizer claims this fall. On the basis of Becraft's knowledge of the area and of the AEC drilling, the Field Team can see no justification for recommending approval of the application.

By Field Team, Region II

A. E. Weissenborn
A. E. Weissenborn, Exec. Officer
(U. S. Geological Survey)

Thomas E. Howard
Thomas E. Howard, Acting Member
(U. S. Bureau of Mines)

Enclosure

cc: USBM (2)
Becraft

Reviewed by
DMEA OPERATING COMMITTEE
1-27-54
(date)

DMEA

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration
REC'D
JAN 22 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

January 6, 1954

2/26/54

MEMORANDUM

To: DMEA Field Team, Region II

From: George E. Becraft, Geologist, U. S. Geological Survey

Subject: Docket No. DMEA-3208 (uranium), report on Montana American Uranium Mining Corp. property, Jefferson County, Montana

RECOMMENDATIONS

It is recommended that the application for an exploration project contract on the Atomizer, Redstone, Billy Joyce, Hy Ore #1, and Hy Ore #2 claims submitted by the Montana American Uranium Mining Corporation, 915 - 6th Ave. North, Great Falls, Montana, be denied.

INTRODUCTION

During the 1952 field season, the writer mapped the area around the applicant's property in conjunction with detailed mapping of the Boulder batholith. Since that time, four holes have been drilled on the Redstone claim and one hole on the Atomizer claim with a percussion drill by the U. S. Atomic Energy Commission and a small trench has been dug on the Atomizer claim.

PROPERTY AND LOCATION

The writer does not know the location of the Hy Ore #1, Hy Ore #2, and Billy Joyce claims. The Atomizer and Redstone unpatented claims are located in the SE¼SW¼, sec. 1, T. 7 N., R. 4 W., MPM, in Jefferson County, Montana (see attached map). These two claims were originally filed upon by Mr. Wayne Hinman of Clancey, Montana. The following is quoted from a letter to George E. Becraft from Wilmer R. Peterson, acting chief, Butte Sub-Office, U. S. Atomic Energy Commission: "Last week Wayne (Hinman) stated to me that he sold the Redstone and Atomizer to W. B. Hewson, 915 - 6th Avenue North, Great Falls, Montana, for $5,000, and a letter arrived here from Hewson and the County Clerk and Recorder of Jefferson County indicating that the claims are recorded in Book 75, Pages 51 and 53, as of December 18, 1953." A copy of this letter is attached.

Reviewed by
DMEA OPERATING COMMITTEE
1-27-54
(date)

GEOLOGY

The two claims are located on the top of a ridge at an elevation of about 5,400 feet. The country rock, quartz monzonite, is cut by many chalcedonic vein zones comprised of stringers of chalcedonic quartz in intensely silicified quarts monzonite. On one vein zone on the Atomizer claim and one on the Redstone claim, anomalous radioactivity was detected. Two samples from the Atomizer, selected as the most radioactive found, contained 0.17 percent eU - 0.14 percent U and 0.15 percent eU - 0.12 percent U. In these samples two secondary uranium minerals, probably meta-torbernite and uranophane, were identified. The Atomic Energy Commission reports one sample from the vein zone on the Redstone claim contained 0.208 percent U_3O_8. The vein zones on both claims range in width from 2 to 6 feet, with the secondary uranium minerals disseminated throughout this width. No channel samples across the full width of the vein zones have been taken, but radiometric examination with a geiger counter indicates that the grade of such samples would be much lower than the selected samples.

During the 1953 field season, the U. S. Atomic Energy Commission drilled four holes on the Redstone claim and one hole on the Atomizer claim. Logs of these holes are attached and it can be seen that none encountered mineralization of ore grade.

DISCUSSION OF THE APPLICANT'S PROPOSAL

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CONCLUSIONS

It is recommended that this application for an exploration loan be denied for the following reasons:

1. Drilling by the AEC on the Redstone claim failed to disclose any mineralization even approaching ore grade. The radioactive occurrence on the Redstone is very similar to the Atomizer.

2. The one drill hole on the Atomizer also disclosed only low-grade mineralization. While this is certainly not adequate in itself to demonstrate the lack of ore on the property, it must be taken into consideration.

3. Many similar vein zones in the vicinity of Clancey have been extensively drilled by the U. S. Atomic Energy Commission with no discovery of any ore bodies.

4. Underground exploration programs have been conducted on five similar vein zones in the area and none resulted in the discovery of ore.

Enclosures (2)
Distribution:
DMEA (4)
USBM (2)
USGS(SRO)
AEC - Salt Lake (2)
Docket
Becraft

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 22 1954

December 29, 1953

SLEB:WRP:ass

Mr. George E. Becraft
Geological Survey
U.S. Department of the Interior
South 157 Howard Street
Spokane 4, Washington

Dear George:

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Hope this will be an answer to your questions. Happy New Year.

Sincerely yours,

Wilmer R. Paterson
Acting Chief, Butte Sub-Office

Enclosures
As above

CLAIM Atomizer PROJECT Boulder Batholith DRILLER F. W. Bell COUNTY Jefferson STATE Montana

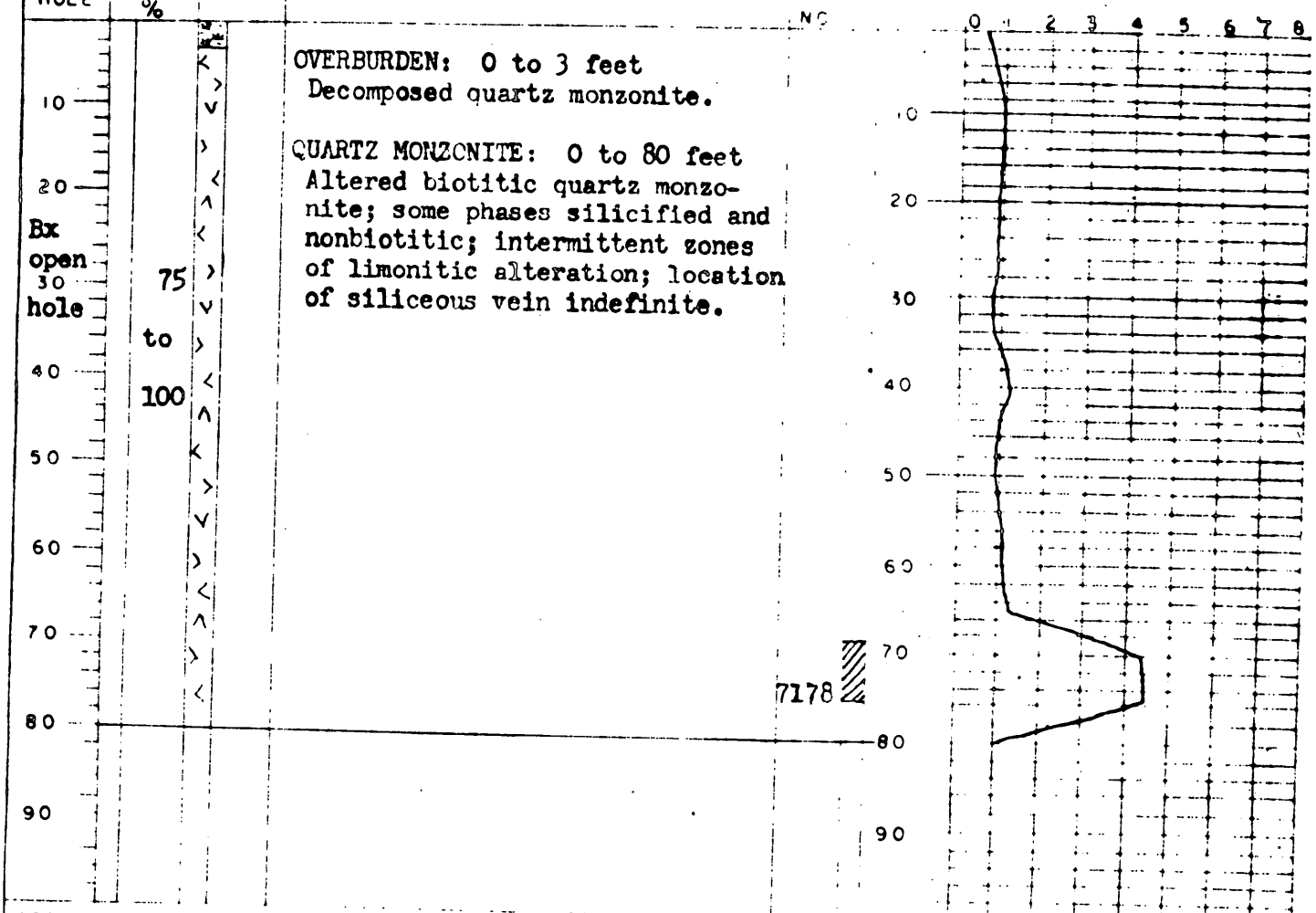
HOLE NO. A-1 A-1A LOCATION SW¼, Sec. 1, T. 8N, R. 4W COORDINATES None COLLAR ELEV. approx. 5989

STARTED 9/30/53 OVERBURDEN DEPTH 3.0' TOTAL DEPTH A-1, 80' A-1A, 80' ANGLE FROM HORIZ. A-1 38° A-1A 45°

FINISHED 10/12/53 DEPTH TO WATER - LOGGED BY W. E. Mead BEARING S 19° 30' E

Note: Because DDH's A-1 and A-1A were less than 1 foot apart, this log will suffice for both.

TYPE & SIZE OF HOLE	CORE RECOVERY %	ROCK TYPE	GEOLOGY	SAMPLES NO.	RADIOMETRIC LOG MICROAMPERES
Bx open hole	75 to 100		OVERBURDEN: 0 to 3 feet Decomposed quartz monzonite. QUARTZ MONZONITE: 0 to 80 feet Altered biotitic quartz monzonite; some phases silicified and nonbiotitic; intermittent zones of limonitic alteration; location of siliceous vein indefinite.	7178	



ASSAYS

Sample #7178 - 0.044 cU_3O_8

MISC REMARKS

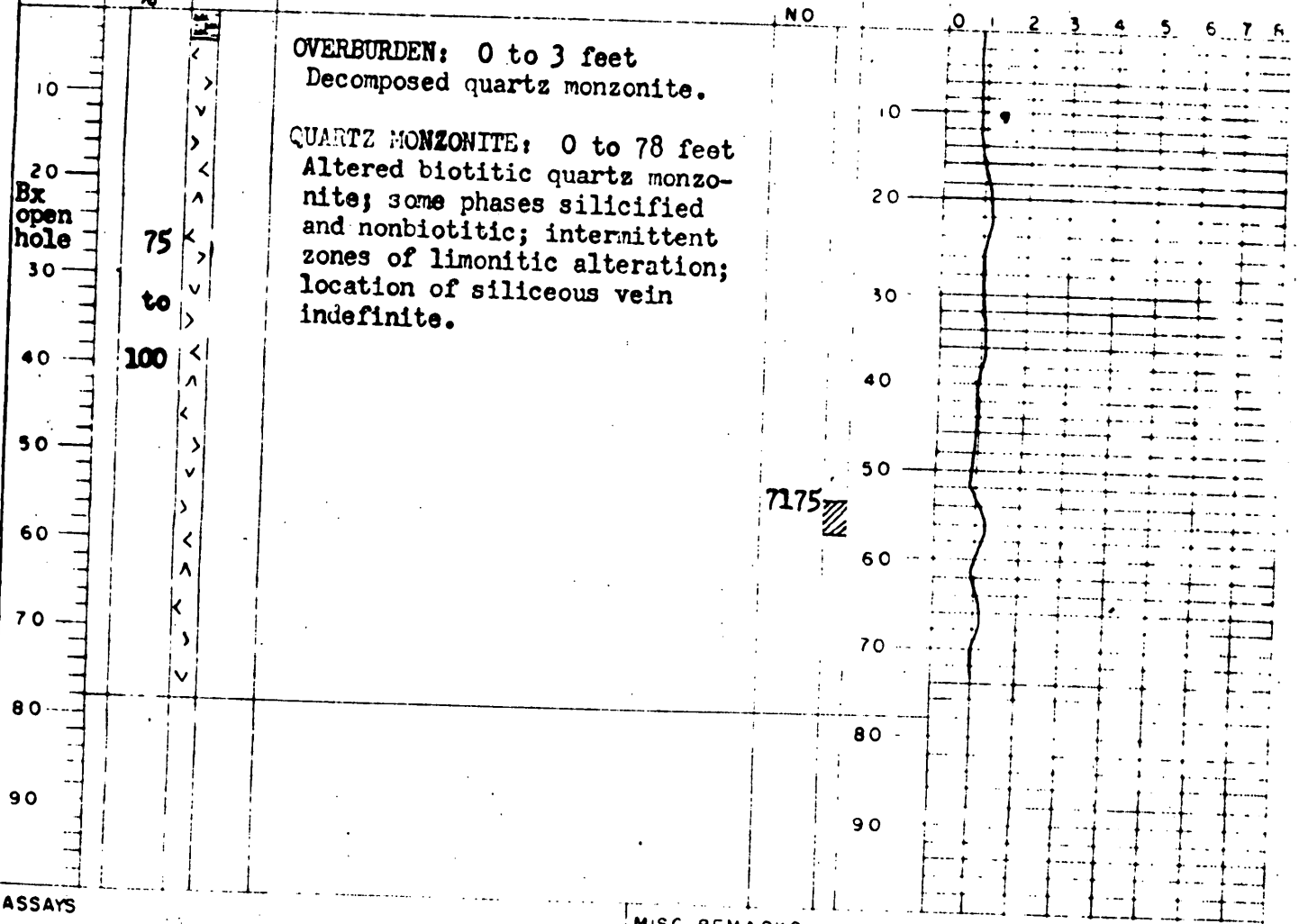
CLAIM Redstone PROJECT Boulder Batholith DRILLER F. W. Bell COUNTY Jefferson STATE Montana

HOLE NO. R-1 LOCATION SW ¼, Sec. 1, T. 8N, R. 4W COORDINATES None COLLAR ELEV. approx. 6032

STARTED 10/1/53 OVERBURDEN DEPTH 3.0' TOTAL DEPTH 78' ANGLE FROM HORIZ. 55°

FINISHED 10/1/53 DEPTH TO WATER - LOGGED BY W. E. Mead BEARING approx. N 15° W

TYPE & SIZE OF HOLE	CORE RECOVERY %	ROCK TYPE	GEOLOGY	SAMPLES NO	ELEV.	RADIOMETRIC LOG MICROAMPERES
Bx open hole	75 to 100		**OVERBURDEN:** 0 to 3 feet Decomposed quartz monzonite. **QUARTZ MONZONITE:** 0 to 78 feet Altered biotitic quartz monzonite; some phases silicified and nonbiotitic; intermittent zones of limonitic alteration; location of siliceous vein indefinite.	7175		



ASSAYS

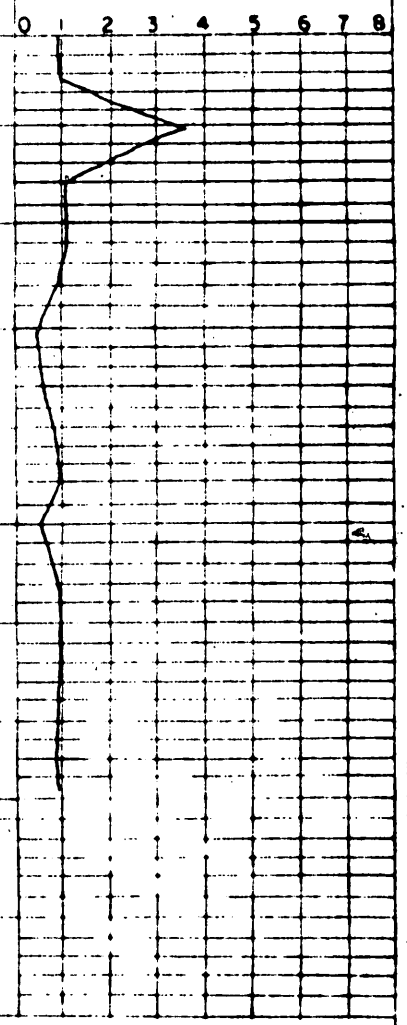
Sample #7175 - 0.012 cU_3O_8

MISC REMARKS

CLAIM Redstone	PROJECT Boulder Batholith	DRILLER F. W. Bell	COUNTY Jefferson STATE Montana
HOLE NO. R-2	LOCATION SW¼, Sec. 1, T. 8N, R. 4W	COORDINATES None	COLLAR ELEV approx. 6008
STARTED 10/2/53	OVERBURDEN DEPTH 3.0'	TOTAL DEPTH 78'	ANGLE FROM HORIZ. 55°
FINISHED 10/2/53	DEPTH TO WATER -	LOGGED BY W. E. Mead	BEARING approx. N 8° W

TYPE & SIZE OF HOLE	CORE RECOVERY %	ROCK TYPE	GEOLOGY	SAMPLES NO.	ELEV
Bx open hole	75 to 100		OVERBURDEN: 0 to 3 feet Decomposed quartz monzonite. QUARTZ MONZONITE: 0 to 78 feet Altered biotitic quartz monzonite; some phases silicified and nonbiotitic; intermittent zones of limonitic alteration; location of siliceous vein indefinite.	7173	

RADIOMETRIC LOG MICROAMPERES



ASSAYS

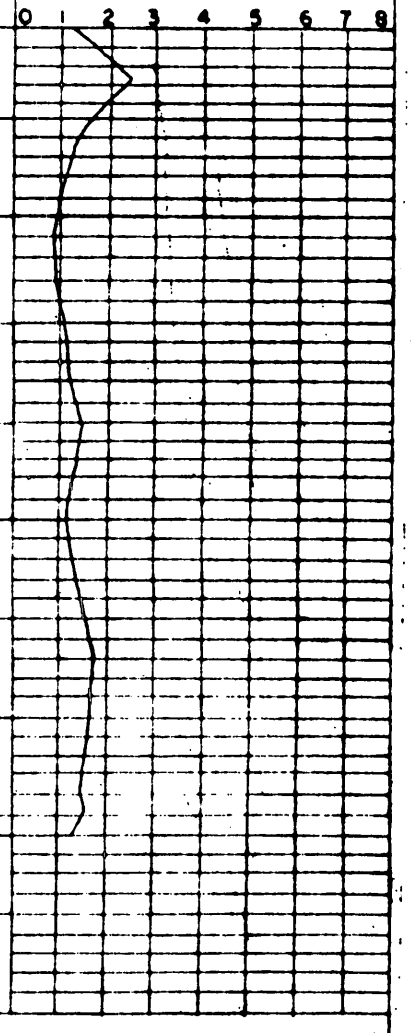
Sample #7173 - 0.034 cU_3O_8

MISC. REMARKS

CLAIM Redstone	PROJECT Boulder Batholith	DRILLER F. W. Bell	COUNTY Jefferson STATE Montana
HOLE NO. R-3	LOCATION SW ¼, Sec. 1, T. 8N, R. 4W	COORDINATES None	COLLAR ELEV. approx. 6008
STARTED 10/2/53	OVERBURDEN DEPTH 3.0'	TOTAL DEPTH 82'	ANGLE FROM HORIZ. 55°
FINISHED 10/3/53	DEPTH TO WATER -	LOGGED BY W. E. Mead	BEARING approx N 14° W

TYPE & SIZE OF HOLE	CORE REC-OVERY %	ROCK TYPE	GEOLOGY	SAMPLES NO.	ELEV.
			OVERBURDEN: 0 to 3 feet Decomposed quartz monzonite.	7177	
10					10
20			QUARTZ MONZONITE: 0 to 82 feet Silicified nonbiotitic quartz monzonite grading to biotitic quartz monzonite at about 20 feet; alteration of feldspars to clay and biotite to limonite.		20
Bx open hole 30	75 to 100				30
40					40
50					50
60					60
70					70
80					80
90					90

RADIOMETRIC LOG MICROAMPERES



ASSAYS

Sample #7177 - 0.009 cU3O8

MISC. REMARKS

CLAIM Redstone PROJECT Boulder Batholith DRILLER F.W. Bell COUNTY Jefferson STATE Montana

HOLE NO. R-4, R-4A LOCATION SW ¼, Sec. 1, T. 8N, R. 4W COORDINATES None COLLAR ELEV. approx. 6008

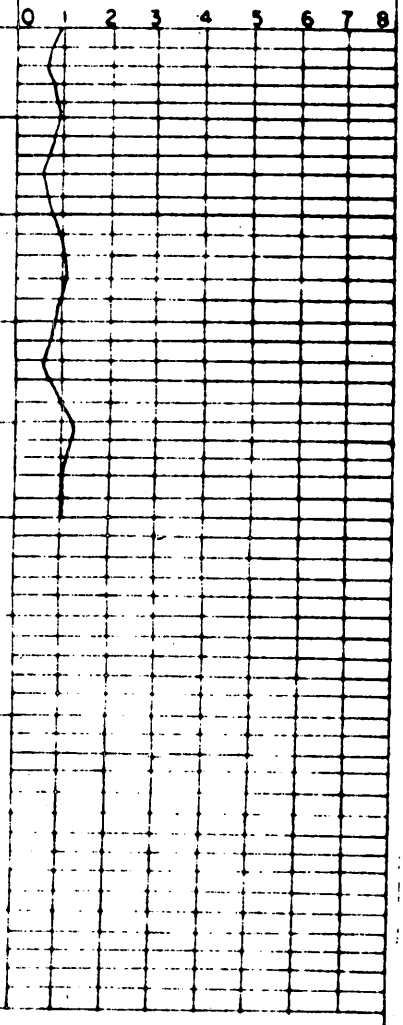
STARTED 10-3-53 OVERBURDEN DEPTH 3.0' TOTAL DEPTH R-4, 42' R-4A, 50' ANGLE FROM HORIZ. 50°

FINISHED 10-9-53 DEPTH TO WATER — LOGGED BY W.E. Mead BEARING N 17°W

Note: Because DDH's R-4 and R-4A were less than 1 foot apart and parallel, this log will suffice for both.

TYPE & SIZE OF HOLE	CORE RECOVERY %	ROCK TYPE	GEOLOGY	SAMPLES NO	ELEV.
Bx plug bit 0 to 50'	75 to 100		OVERBURDEN: 0 to 3 feet Decomposed quartz monzonite. QUARTZ MONZONITE: 0 to 50 feet Altered biotitic quartz monzonite. 20 to 25 feet - limonitic quartz monzonite. 25 to 40 feet - silicified nonbiotitic quartz monzonite cut by numerous seams of silica. 40 to 50 feet - decomposed biotitic quartz monzonite.	7161	

RADIOMETRIC LOG MICROAMPERES



ASSAYS

Sample #7161 - 0.009 cU_3O_8

MISC. REMARKS

1/4/54 gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

December 29, 1953

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-3208 (Uranium)
Montana American Uranium Mining Corp.
of Great Falls, Montana
Redstone and Atomizer claims
Jefferson County, Montana

Dear Mr. Selfridge:

Reference is made to your letter of December 17, 1953, in which you request information concerning the Field Team's report on the subject application.

At the present time our field men are corresponding with Atomic Energy Commission personnel at Butte, Montana, to obtain additional information on recent work completed on the applicant's property. When this information is obtained, we shall continue preparation of the Field Team report which will be forwarded to you as soon as possible.

Sincerely yours,

Thor H. Kiilsgaard

Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: USBM (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
Co. 157 Howard Street
Spokane 4, Washington

December 29, 1953

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Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

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of Great Falls, Montana
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Jefferson County, Montana

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Sincerely yours,

Thor H. Killegaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: USBM (2)

700

Surname
DOCKET COPY

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

DEC 17 1953

Ching
Ellis
Larrabee
Selfridge
Hedgman
Matthews

Mr. A. E. Weissenborn
Executive Officer, DMEA Field Team, Region II
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA-3208 (Uranium)
Montana American Uranium Mining Corp.
of Great Falls, Montana
Redstone and Atomizer claims
Jefferson County, Montana

Dear Mr. Weissenborn:

Enclosed is a copy of a letter, dated December 5, 1953, from the Montana American Uranium Mining Co., which is self-explanatory, and two copies of our answer.

In forwarding the subject application to the Operating Committee on November 10, Thor H. Kiilsgaard, Acting Member of the Field Team, stated:

> "We have considerable information at this office on the geology of the subject area and will endeavor to compile this information as soon as possible and forward it to you as a Field Team report. We do not believe that it will be necessary to schedule a field examination on the geology of this property; however, we may have to contact the applicant to discuss certain items of his proposed exploration work."

Since the Field Team's report has not been received, we would appreciate your advice as to when we might expect to receive it. We are enclosing comments and recommendations of the Bureau of Mines and Geological Survey members of the Uranium Commodity Committee on the subject application.

Sincerely yours,

George C. Selfridge

(GCS)

Chairman, Operating Committee

Enclosures 5

MChing/gla 12-16-53

cc to: Adm. Reading File
Operating Committee
Docket
Messrs. H.D.Keiser, Rm. 3641
A.P.Butler, Jr., Rm. 3212, GSA
Ellis
Ching

APPROVED:

J. H. Hedges (JHH)

Member, Bureau of Mines

D. M. Larrabee (DML)

Member, Geological Survey

R.C.S. 12-17-53

700

FILE COPY
SURNAME:

Ching
Ellis
Grake
Hedges
Jefferson
Johnson

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

DEC 17 1953

Montana American Uranium Mining Corp.
915 - 6th Avenue
Great Falls, Montana

Re: Docket No. DMEA-3208 (Uranium)
Redstone and Atomizer claims
Jefferson County, Montana

Gentlemen:

This will acknowledge your letter of December 5, 1953, in which you make inquiry as to the possibility of your application for exploration aid being approved.

Before a decision can be made on your application we must receive a comprehensive report on the proposed project from our Field Team. Such a report is now being prepared and upon its receipt we shall give the matter our immediate attention. If, after studying the report, it is decided that an exploration project is warranted we shall have a contract drawn up and forwarded to you through our Field Team for signing. If it is found that the project is not justified, you will be so notified.

If you desire further information on your application, it is suggested that you contact our Field Team at Spokane, Washington, since they are familiar with your property.

Sincerely yours,

SIGNED

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

MChing/gla
12-16-53
cc to: Adm. Reading File
Operating Committee
Docket
Messrs. H. D. Keiser, Rm. 3641
A. P. Butler, Jr., Rm. 3212, GSA
Ellis
Ching
DMEA Field Team, Region II (2)

R.C.B.
12-17-53

12/11/53 gla

Defense Minerals Administration
RECEIVED
DEC 7 - 1953

Docket Copy

GREAT FALLS, MONTANA
Dec. 5 1953

UNITED STATES DEPARTMENT OF THE INTERIOR
Defense Minerals exploration adminstration
RARE AND MISCELLANEOUS METALS DIVISION
ATT: Docket Number DMEA 3208

Dear Sir:

I received your notifacation that you had received my application and that you had assigned it a Docket number.

I didnt know just what I was supposed to do now, so I felt the only thing to do was to make some sort of enquiry as to the possibilities of my loan being agreed appon.

It being winter time away up here in Montana there is no immediate urgence about a reply but, I felt I should prod you some way just to let you know that I am away out here waiting for your nnod of approval.

Perhaps I shoud write to Senator Murray but I will put that off until such time as I hear from you in regards to my Loan.

Sincerely yours

MONTANA AMERICAN URANIUM MINING CO.

Docket Number DMEA-3208

11/25/53-db.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 24 1953

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

November 23, 1953

Memorandum

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

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

Subject: DMEA Docket 3208, Montana American Uranium Mining Corporation, 915 Sixth Avenue, North Great Falls, Montana.

I have reviewed the application included in the subject docket and discussed it with Joseph O. Hosted, representative of the Atomic Energy Commission.

It is recommended that the application be forwarded to the Field Team for investigation and report, with instructions to discuss the application with the Butte, Montana, representatives of the Atomic Energy Commission.

H. D. Keiser

Attachment

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
NOV 13 1953
Defense Minerals Administration

RECEIVED
NOV 1953
U. S. G. S.
SPOKANE, WASH.

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

Not to be filled in by applicant

Docket No. DMEA-3208
Metal or Mineral
Date Received 11-13-53
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address:

MONTANA AMERICAN URANIUM MINING CORPORATION Of Gt. Falls, Montana
% W.B.HEWSON Secy. 915 6th Ave. North Gt.Falls, Montana

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract 5 mining claims owned by W.B.Hewson and transferred to the Montana American Uranium Mining Corp. ATOMIZER Quartz Lode, Record book 48 PP.68 REDSTONE claim Record book 45, PP.628; BILLY JOYCE record book 48 PP.205; Hy Ore claim No.1 Record book 48 PP 203; Hy Ore Claim No.2 Record book 48 PP.205 Boulder, Jefferson County Montana

(*b*) State any mine name by which the property is known.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise
MINING QUARTZ LODE MINING CLAIMS (Land Deeds)

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it none

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

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

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

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

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

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

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

.....

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☐ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated November 5, 1953

MONTANA AMERICAN URANIUM MINING COMPANY
(Applicant)

By W B Dewson, Secy

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

Additional Information to fill out required form Application of : MONTANA AMERICAN URANIUM MINING CORP. for exploration aid from the Defense Minerals Exploration Admn.

3

4.

(a) Had a miner working on the claims for over 2 months. Started a cut on the ATOMIZER CLAIM. Geiger Counter readings on the surface on the vein were .11% Started a cut to intercept vein at depth, at 12 ft counter readings .22% According to VITRO Chemical Co. government Uranium purchasing agents in this are this is commercial ore.....ORERICHER than the .11% has been found at other outcroppings on this claim, this leads us to believe that we have commercial Ore in large quanities....we have 5 claims in the area.

(b) Has been very scarcely explored. No production

(c) I am enclosing a U.S.G.Sbooklet on the area. My claims are on the most Westeryl part of this area and Northerly, up on top of a mountain. The AEC did some drilling this summer, and plans to come back in the spring , they said.

(d) You can drive a passenger car right up to the property, 4 miles downhill to rail head at CLANCY, Montana

(e) Have my own miners. Butte and Helena within 30 miles, Water½ mile, power line crosses property.

5The exploration project. URANIUM

(b) Map enclosed.

(c) Have no idea how long it would take to drive crosscut, intercepting all veins indicated on map but with diligence, 5 feet daily in a tunnel is fair work. 90 days should complete tunnel.

(d) Additionla experienced mining engineers will be called in for prelimanary work, my miners can take care of the rest.

6 Cost estimates:

(a)thru (h)

To sit here and put down the entire costs of driving this tunnel and do the necessary work involved to open up the property for proper mining purposes is one that takes skilled mining engineers, knowing just where the tunnel goes, how long it will be, where and how many crosscuts we will drive when we run into ore, etc. this information I cant give you until surveys and other necessary work is completed. HOWEVER the rate for driving a tunnel as I outlined in section (b) of this report is $15 a foot, with me furnishing, the compressors, slushers,trucks, ect(all the necessary mining equipment). If I have A breakdown, of something,caveins, I cant tell this in advance and would have no way of telling you how long or what was neededetc. If I ran into Ore in the Tunnel, naturally I would drive a cross-cut to sort of ascertain what it was like, I fully expect to intercept 6 or 7 or more Uranium ore veins, that is why I am driving the tunnel, I may run into lots of good ore within 100 feet and decid to stop there and mine. WOULD THIS BE AIRIGHT.

So you can see that to tell you all these costs to the letter, I couldnt, but I state this from my experience that it will take $15 a foot.

So my APPLICATION is for a sum of $10,000 to drive this tunnel and cross-cuts into ore veins to ascertain their values.

DME 1-3208

Above is a sketch map crosssection of the REDSTONE CLAIM AND THE ATOMIZER CLAIM of the MONTANA AMERICAN URANIUM MINING CORP.

Shown in the drawing is the cut driven into the vein this summer and above running north and south is the Tunnel that is proposed to entirely cross the mineralized area shown and intercept at least 6 veins that show on the surface within the 400 feet proposed and probably many more not exposed, most of the veins show Radio-activity, in varying degrees the spot on the sothherly tip being one of the highest in the area .2% practically commercial on the surface, this would have been opened up instead of where we did had it been more accessable, a road will have to be made in before work could be done....however we will cut this vein at depth and take it out thiat way.

My engineer tells me that it will cost at least 15 dollars a foot to drive the proposed tunnel as outlined above, plus me furnishing my own equipment, as for additional costs, I couldnt say until they develop, many things can happen and usually do.

To drive my proposed 400 foot tunnel and the necessary crosscuts that we would make into veins we intercept would cost at least $10,000.00

However if the Defense Minerals Exploration Admn. would just as soon, do the above work themselves or put it out on bid, this would be just fine by me, either way any way, just so we can open up the property and ship some Uranium ore.

Mr. George Becroft of the USGS and your man in our area knows my property and has been on it and would be able to supply you with details....I wrote him a letter to Rimini Montana where I understood he was stationed but received no reply.

THIS APPLICATION THAT I AM MAKING IS FOR THE NECESSARY FUNDS FOR EXPLORATION WORK INVOLVING DRIVING THE PROPOSED TUNNEL OF 400 ft AS OUTLINED ABOVE... THE COST INVOLVED WOULD BE AT LEAST $10,000.00.

I respectfully submit this application.

MONTANA AMERICAN URANIUM MINING CORPORATION
of GREAT FALLS, MONTANA

W.B.HEWSON SECY.

11/25/53 - db.

DARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : E. Wm. Ellis, DMEA Member, Uranium Commodity Committee

DATE: November 18, 1953

Defense Minerals Administration
RECEIVED
NOV 25 1953

FROM : Arthur P. Butler, Jr., USGS Member, Uranium Commodity Committee

SUBJECT: Application DMEA Docket 3208 (Uranium), Montana American Uranium Mining Corporation, North Great Falls, Montana, applicant; Atomizer, Redstone, Billy Joyce, and Hy Ore Nos. 1 and 2 claims, Jefferson County, Montana

Comment

The applicant, Montana American Uranium Mining Corporation, proposes 400 feet, or more, of underground exploration at an extimated cost of $10,000 to explore uranium-bearing veins exposed on the subject property.

Factual data presented in the application are not clear as to 1) the location of the property, 2) the location of the proposed exploration in relation to claim boundaries, and 3) the extent and itemized cost of the proposed exploration.

The U. S. Geological Survey and the U. S. Atomic Energy Commission are currently making geologic studies of deposits in the vicinity of the applicant's property. In addition, diamond drilling of the Redstone and Atomizer claims is proposed by the Atomic Energy Commission (Monthly Progress Report, September 1953, Division of Raw Materials, Salt Lake Exploration Branch, pp. 16-17).

Recommendations

I recommend that the application be forwarded to the Field Team for review and evaluation especially with respect to the need for a DMEA exploration program in view of the proposed diamond drilling by the U. S. Atomic Energy Commission.

I suggest that the Field Team consult with George E. Becraft, U. S. Geological Survey and Ernest E. Thurlow, Salt Lake Exploration Branch, U. S. Atomic Energy Commission, or with members of this staff, who have first-hand knowledge of the property.

Arthur P. Butler, Jr.

E. Wm. Ellis (2)

E. Wm. Ellis, DMEA Member, Uranium Commodity Committee

November 18, 1953

Arthur P. Butler, Jr., USGS Member, Uranium Commodity Committee

Application DMEA Docket 3208 (Uranium), Montana American Uranium Mining Corporation, North Great Falls, Montana, applicant; Atomizer, Redstone, Billy Joyce, and My Ore Nos. 1 and 2 claims, Jefferson County, Montana

Comment

The applicant, Montana American Uranium Mining Corporation, proposes 400 feet, or more, of underground exploration at an estimated cost of $10,000 to explore uranium-bearing veins exposed on the subject property.

Factual data presented in the application are not clear as to 1) the location of the property, 2) the location of the proposed exploration in relation to claim boundaries, and 3) the extent and itemized cost of the proposed exploration.

The U. S. Geological Survey and the U. S. Atomic Energy Commission are currently making geologic studies of deposits in the vicinity of the applicant's property. In addition, diamond drilling of the Redstone and Atomizer claims is proposed by the Atomic Energy Commission (Monthly Progress Report, September 1953, Division of Raw Materials, Salt Lake Exploration Branch, pp. 16-17).

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I suggest that the Field Team consult with George E. Becraft, U. S. Geological Survey and Ernest E. Thurlow, Salt Lake Exploration Branch, U. S. Atomic Energy Commission, or with members of this staff, who have first-hand knowledge of the property.

E. Wm. Ellis (2)

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Minerals Management Service
RECEIVED
NOV 13 1953

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

RECEIVED
NOV 9 1953
U. S. G. S.
SPOKANE, WASH.

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

Not to be filled in by applicant

Docket No. DMEA-3208
Metal or Mineral
Date Received 11-13-53
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: MONTANA AMERICAN URANIUM MINING CORPORATION
% W.B.HEWSON Secy. 915 6th Ave. North Great Falls, Montana

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract 5 mining claims owned by W.B.Hewson and transferre to the Montana American Uranium Mining Corp. ATOMIZER Quartz Lode, Record book 48 PP.68 REDSTONE claim Record book 45, PP.628; BILLY JOYCE record book 48 PP.205; Hy Ore claim No.1 Record book 48 PP 203; Hy Ore Claim No.2 Record book 48 PP.205 Boulder, Jefferson -Co nty Montana

(*b*) State any mine name by which the property is known.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise MINING QUARTZ LODE MINING CLAIMS (Land Deeds)

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it none

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

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

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

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

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

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

GEOLOGICAL SURVEY
TPCO
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NOV 16 1953
Denver

16—66551-1

5. *The exploration project.*—(a) State the mineral or minerals for which you [illegible]n to explore .....

.....

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☐ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated November 5, 1953

Montana American Uranium Mining Company
(Applicant)

By W. B. Newson Secy.

.....

.....

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

Additional Information to fill out required form Application of : MONTANA AMERICAN URANIUM MINING CORP. for exploration aid from the Defense Minerals Exploration Admn.

4.

(a) Had a miner working on the claims for over 2 months. Started a cut on the ATOMIZER CLAIM. Geiger Counter readings on the surface on the vein were .11% Started a cut to intercept vein at depth, at 12 ft counter readings .22% According to VITRO Chemical Co. government Uranium purchasing agents in this are this is commercial ore.....ORERICHER than the .11% has been found at other outcroppings on this claim, this leads us to believe that we have commercial Ore in large quanities....we have 5 claims in the area.

(b) Has been very scarcely explored. No production

(c) I am enclosing a U.S.G.Sbooklet on the area. My claims are on the most Westeryl part of this area and Northerly, up on top of a mountain. The AEC did some drilling this summer, and plans to come back in the spring , they said.

(d) You can drive a passenger car right up to the property, 4 miles downhill to rail head at CLANCY, Montana

(e) Have my own miners. Butte and Helena within 30 miles, Water½ mile, power line crosses property.

5The exploration project. URANIUM

(b) Map enclosed.

(c) Have no idea how long it would take to drive crosscut, intercepting all veins indicated on map but with diligence, 5 feet daily in a tunnel is fair work. 90 days should complete tunnel.

(d) Additionla experienced mining enginsers will be called in for prelimanary work, my miners can take care of the rest.

6 Cost estimates:

(a)thru (h)

To sit here and put down the entire costs of driving this tunnel and do the necessary work involved to open up the property for proper mining purposes is one that takes skilled mining engineers, knowing just where the tunnel goes, how long it will be, where and how many crosscuts we will drive when we run into ore, etc. this information I cant give you until surveys and other necessary work is completed. HOWEVER the rate for driving a tunnel as I outlined in section (b) of this report is $15 a foot, with me furnishing, the compressors, slushers,trucks, ect(all the necessary mining equipment). If I have A breakdown, of something,caveins, I cant tell this in advance and would have no way of telling you how long or what was neededetc. If I ran into Ore in the Tunnel, naturally I would drive a cross-cut to sort of ascertain what it was like, I fully expect to intercept 6 or 7 or more Uranium ore veins, that is why I am driving the tunnel, I may run into lots of good ore within 100 feet and decid to stop there and mine. WOULD THIS BE ALRIGHT.

So you can see that to tell you all these costs to the letter, I couldnt, but I state this from my experience that it will take $15 a foot.

So my APPLICATION is for a sum of $10,000 to drive this tunnel and cross-cuts into ore veins to ascertain their values.

Above is a sketch map crosssection 66 the REDSTONE CLAIM AND THE ATOMIZER CLAIM of the MONTANA AMERICAN URANIUM MINING CORP.

Shown in the drawing is the cut driven into the vein this summer and above running north and south is the Tunnel that is proposed to entirely cross the mineralized area shown and intercept at least 6 veins that show on the surface within the 400 feet proposed and probably many more not exposed, most of the veins show Radio-activity, in varying degrees the spot on the sothherly tip being one of the highest in the area .2% practically commercial on the surface, this would have been opened up instead of where we did had it been more accessable, a road will have to be made in before work could be done....however we will cut this vein at depth and take it out thiat way.

My engineer tells me that it will cost at least 15 dollars a foot to drive the proposed tunnel as outlined above, plus me furnishing my own equipment, as for additional costs, I couldnt say until they develop, many things can happen and usually do.

To drive my proposed 400 foot tunnel and the necessary crosscuts that we would make into veins we intercept would cost at least $10,000.00

However if the Defense Minerals Exploration Admn. would just as soon, do the above work themselves or put it out on bid, this would be just fine by me, either way any way, just so we can open up the property and ship some Uranium ore.

Mr. George Becroft of the USGS and your man in our area knows my property and has been on it and would be able to supply you with details....I wrote him a letter to Rimini Montana where I understood he was stationed but received no reply.

THIS APPLICATION THAT I AM MAKING IS FOR THE NECESSARY FUNDS FOR EXPLORATION WORK INVOLVING DRIVING THE PROPOSED TUNNEL OF 400 FT AS OUTLINED ABOVE... THE COST INVOLVED WOULD BE AT LEAST $10,000.00.

I respectfully submit this application.

MONTANA AMERICAN URANIUM MINING CORPORATION
of GREAT FALLS, MONTANA

W.B.HEWSON SECY.

11/6/53 gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 13 1953

November 10, 1953

DMEA-3208

Mr. W. B. Hewson, Secretary
Montana American Uranium Mining Company, Inc.
515 - 6th Avenue North
Great Falls, Montana

Dear Mr. Hewson:

This will acknowledge receipt of your letter of November 5 in which was enclosed an application for a DMEA contract on your uranium property in Jefferson County, Montana.

The new change in DMEA policy does away with the old DMEA contracts on uranium properties in which the Government participated in 90 percent of the project costs. Under the new ruling the Government will participate in only 75 percent of the costs with the Operator supplying the remaining 25 percent. This ruling does not, however, necessitate your submitting a new application and we consequently wish to advise that we are forwarding your application, in its present state, to Washington, D.C., for further consideration.

Your U. S. Geological Survey publication on the Clancey uranium area is being returned herewith.

Sincerely yours,

Thor H. Kiilsgaard
Acting Member, DMEA
Field Team, Region II

Enclosure

cc: USBM (2)
DMEA (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D.C.
Co. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
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November 10, 1953

DMEA-3208

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Montana American Uranium Mining Company, Inc.
215 - 6th Avenue North
Great Falls, Montana

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Enclosure

cc: USBM (2)
DMEA (2)

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

November 13, 1953

Memorandum

To: Executive Officer, DMEA Field Team, Region II

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region II.

DMEA-3208 Montana American Uranium Mining Corp. of Great Falls, Montana

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

Montana American Uranium Mining
Corp. of Great Falls, Montana
c/o W. B. Hewson, Secy.
916 6th Avenue
Great Falls, Montana

November 13, 1953

Subject: DMEA-3208
Re: Exploration Assistance

Dear Mr. Hewson:

The receipt of your application dated November 5, 1953, for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3208 and referred to the Rare and Miscellaneous Metals Division.

Kindly refer to DMEA-3208 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Chief, Operations Control
and Statistics Division

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 13 1953

November 10, 1953

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Dear Mr. Selfridge:

Enclosed are three copies of a DMEA application submitted by the Montana American Uranium Mining Corporation of Great Falls, Montana. One copy of the application is being retained for the files of this office.

The enclosed application concerns a uranium property in Jefferson County, Montana. We have considerable information at this office on the geology of the subject area and will endeavor to compile this information as soon as possible and forward it to you as a Field Team report. We do not believe that it will be necessary to schedule a field examination on the geology of this property; however, we may have to contact the applicant to discuss certain items of his proposed exploration work.

The Field Team report concerning this application will be forwarded to you as soon as possible.

Sincerely yours,

Thor H. Kiilsgaard
Acting Member, DMEA
Field Team, Region II

Enclosure

cc: USBM (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
~~xxxxxxxxxxxxxxxxxxxx~~
So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
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Thor H. Kiilsgaard
Acting Member, DMEA
Field Team, Region II

Enclosure

cc: USBM (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
Co. 257 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
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Department of the Interior
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Sincerely yours,

Thor H. Kiilsgaard
Acting Member, EMC
Field Team, Region II

Enclosure

cc: USBM (3)

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 13 1953

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

RECEIVED
NOV 9 1953
U. S. G. S.
SPOKANE, WASH.

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

Not to be filled in by applicant

Docket No. DMEA-3208
Metal or Mineral
Date Received 11-13-53
Estimated Cost
Participation (Government %)

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% W.B. Hewson, Secy. 915 6th Ave. North Gt.Falls, Montana

MONTANA AMERICAN URANIUM MINING CORPORATION Of Gt. Falls, Montana
% W.B.HEWSON Secy. 915 6th Ave. North Gt.Falls, Montana

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract 5 mining claims owned by W.B.Hewson and transferred to the Montana American Uranium Mining Corp. ATOMIZER Quartz Lode, Record book 48 PP.68 REDSTONE claim Record book 45, PP.628; BILLY JOYCE record book 48 PP.205; Hy Ore claim No.1 Record book 48 PP 203; Hy Ore Claim No.2 Record book 48 PP.205 Boulder, Jefferson -County Montana

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MINING QUARTZ LODE MINING CLAIMS (Land Deeds)

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

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☐ Money ☐ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

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Montana American Uranium Mining Company
(Applicant)

By W. B. Hewson Secy.

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U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

Additional Information to fill out required form Application of : MONTANA AMERICAN URANIUM MINING CORP. for exploration aid from the Defense Minerals Exploration Admn.

4.

(a) Had a miner working on the claims for over 2 months. Started a cut on the ATOMIZER CLAIM. Geiger Counter readings on the surface on the vein were .11% Started a cut to intercept vein at depth, at 12 ft counter readings .22% According to VITRO Chemical Co. government Uranium purchasing agents in this are this is commercial ore.....ORERICHER than the .11% has been found at other outcroppings on this claim, this leads us to believe that we have commercial Ore in large quanities....we have 5 claims in the area.

(b) Has been very scarcely explored. No production

(c) I am enclosing a U.S.G.Sbooklet on the area. My claims are on the most Westeryl part of this area and Northerly, up on top of a mountain. The AEC did some drilling this summer, and plans to come back in the spring , they said.

(d) You can drive a passenger car right up to the property, 4 miles downhill to rail head at CLANCY, Montana

(e) Have my own miners. Butte and Helena within 30 miles, Water½ mile, power line crosses property.

5The exploration project. URANIUM

(b) Map enclosed.

(c) Have no idea how long it would take to drive crosscut, intercepting all veins indicated on map but with diligence, 5 feet daily in a tunnel is fair work. 90 days should complete tunnel.

(d) Additionla experienced mining engineers will be called in for prelimanary work, my miners can take care of the rest.

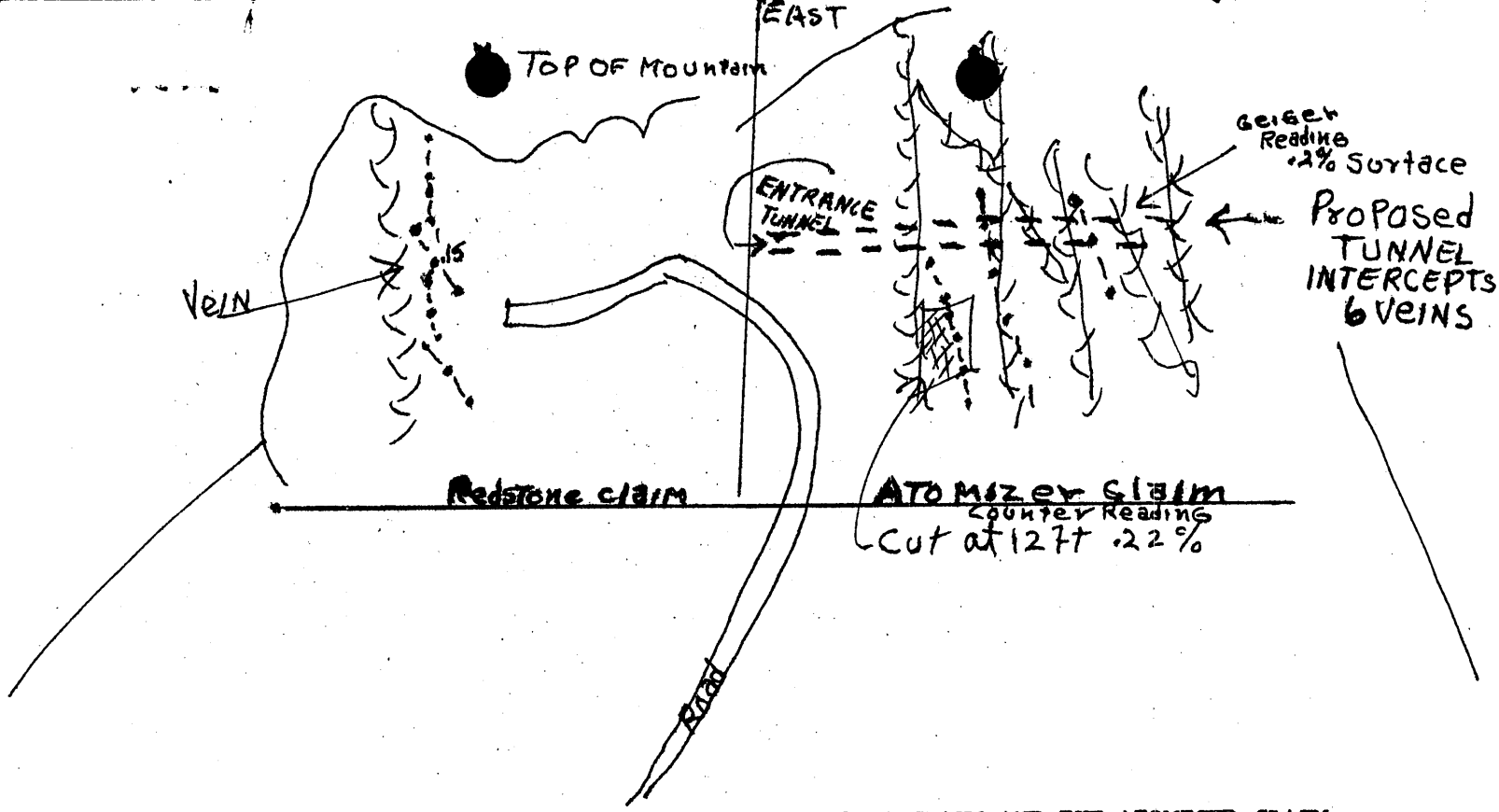
6 Cost estimates:

(a)thru (h)

To sit here and put down the entire costs of driving this tunnel and do the necessary work involved to open up the property for proper mining purposes is one that takes skilled mining engineers, knowing just where the tunnel goes, how long it will be, where and how many crosscuts we will drive when we run into ore, etc. this information I cant give you until surveys and other necessary work is completed. HOWEVER the rate for driving a tunnel as I outlined in section (b) of this report is $15 a foot, with me furnishing, the compressors, slushers,trucks, ect(all the necessary mining equipment). If I have A breakdown, of something,caveins, I cant tell this in advance and would have no way of telling you how long or what was neededetc. If I ran into Ore in the Tunnel, naturally I would drive a cross-cut to sort of ascertain what it was like, I fully expect to intercept 6 or 7 or more Uranium ore veins, that is why I am driving the tunnel, I may run into lots of good ore within 100 feet and decid to stop there and mine. WOULD THIS BE AIRIGHT.

So you can see that to tell you all these costs to the letter, I couldnt, but I state this from my experience that it will take $15 a foot.

So my APPLICATION is for a sum of $10,000 to drive this tunnel and cross-cuts into ore veins to ascertain their values.



Above is a sketch map crosssection 66 the REDSTONE CLAIM AND THE ATOMIZER CLAIM of the MONTANA AMERICAN URANIUM MINING CORP.

Shown in the drawing is the cut driven into the vein this summer and above running north and south is the Tunnel that is proposed to entirely cross the mineralized area shown and intercept at least 6 veins that show on the surface within the 400 feet proposed and probably many more not exposed, most of the veins show Radio-activity, in varying degrees the spot on the sothherly tip being one of the highest in the area .2% practically commercial on the surface, this would have been opened up instead of where we did had it been more accessable, a road will have to be made in before work could be done....however we will cut this vein at depth and take it out thiat way.

My engineer tells me that it will cost at least 15 dollars a foot to drive the proposed tunnel as outlined above, plus me furnishing my own equipment, as for additional costs, I couldnt say until they develop, many things can happen and usually do.

To drive my proposed 400 foot tunnel and the necessary crosscuts that we would make into veins we intercept would cost at least $10,000.00

However if the Defense Minerals Exploration Admn. would just as soon, do the above work themselves or put it out on bid, this would be just fine by me, either way any way, just so we can open up the property and ship some Uranium ore.

Mr. George Becroft of the USGS and your man in our area knows my property and has been on it and would be able to supply you with details....I wrote him a letter to Rimini Montana where I understood he was stationed but received no reply.

THIS APPLICATION THAT I AM MAKING IS FOR THE NECESSARY FUNDS FOR EXPLORATION WORK INVOLVING DRIVING THE PROPOSED TUNNEL OF 400 ft AS OUTLINED ABOVE... THE COST INVOLVED WOULD BE AT LEAST $10,000.00.

I respectfully submit this application.

MONTANA AMERICAN URANIUM MINING CORPORATION
of GREAT FALLS, MONTANA

W.B.HEWSON SECY.

WBHewson

CLAIM Atomizer PROJECT Boulder Batholith DRILLER F. W. Bell COUNTY Jefferson STATE Montana

HOLE NO. A-1 A-1A LOCATION SW¼, Sec. 1, T. 8N, R. 4W COORDINATES None COLLAR ELEV. approx. 5989

STARTED 9/30/53 OVERBURDEN DEPTH 3.0' TOTAL DEPTH A-1, 80' A-1A, 80' ANGLE FROM HORIZ. A-1 38° A-1A 45°

FINISHED 10/12/53 DEPTH TO WATER - LOGGED BY W. E. Mead BEARING S 19° 30' E

Note: Because DDH's A-1 and A-1A were less than 1 foot apart, this log will suffice for both.

TYPE & SIZE OF HOLE: Bx open hole

CORE RECOVERY %: 75 to 100

ROCK TYPE

GEOLOGY

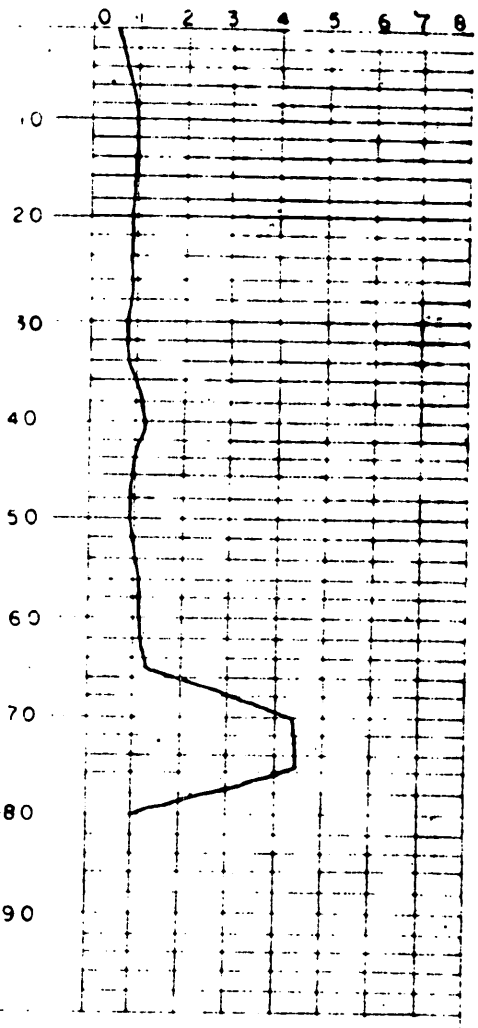
OVERBURDEN: 0 to 3 feet
Decomposed quartz monzonite.

QUARTZ MONZONITE: 0 to 80 feet
Altered biotitic quartz monzonite; some phases silicified and nonbiotitic; intermittent zones of limonitic alteration; location of siliceous vein indefinite.

SAMPLES ELEV. NO.

7178

RADIOMETRIC LOG MICROAMPERES



ASSAYS

Sample #7178 - 0.044 cU3O8

MISC REMARKS

CLAIM Redstone PROJECT Boulder Batholith DRILLER F. W. Bell COUNTY Jefferson STATE Montana

HOLE NO. R-1 LOCATION SW ¼, Sec. 1, T. 8N, R. 4W COORDINATES None COLLAR ELEV. approx. 6032

STARTED 10/1/53 OVERBURDEN DEPTH 3.0' TOTAL DEPTH 78' ANGLE FROM HORIZ. 55°

FINISHED 10/1/53 DEPTH TO WATER - LOGGED BY W. E. Mead BEARING approx. N 15° W

TYPE & SIZE OF HOLE	CORE RECOVERY %	ROCK TYPE	GEOLOGY	SAMPLES NO	ELEV.	RADIOMETRIC LOG MICROAMPERES
10, 20, 30, 40, 50, 60, 70, 80, 90	Bx open hole; 75 to 100		OVERBURDEN: 0 to 3 feet Decomposed quartz monzonite. QUARTZ MONZONITE: 0 to 78 feet Altered biotitic quartz monzonite; some phases silicified and nonbiotitic; intermittent zones of limonitic alteration; location of siliceous vein indefinite.	7175	10, 20, 30, 40, 50, 60, 70, 80, 90	0 1 2 3 4 5 6 7 8

ASSAYS

Sample #7175 - 0.012 cU_3O_8

MISC. REMARKS

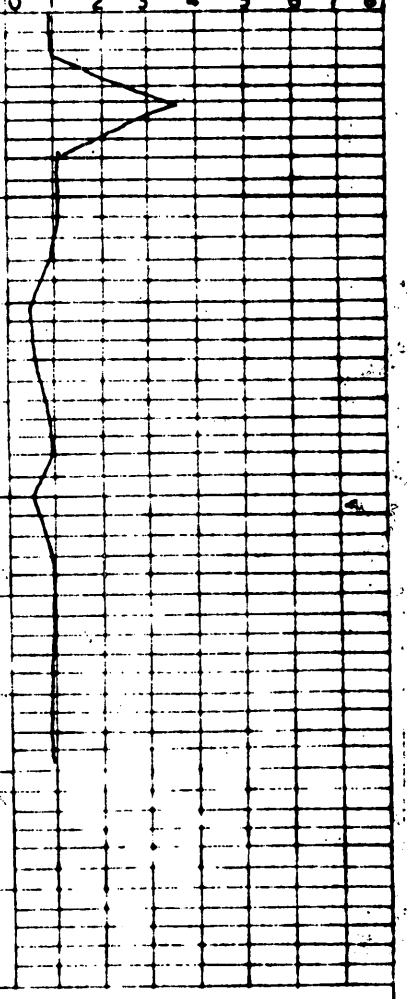
CLAIM Redstone PROJECT Boulder Batholith DRILLER F. W. Bell COUNTY Jefferson STATE Montana

HOLE NO. R-2 LOCATION SW¼, Sec. 1, T. 8N, R. 4W COORDINATES None COLLAR ELEV. approx. 6008

STARTED 10/2/53 OVERBURDEN DEPTH 3.0' TOTAL DEPTH 78' ANGLE FROM HORIZ. 55°

FINISHED 10/2/53 DEPTH TO WATER - LOGGED BY W. E. Mead BEARING approx. N 8° W

TYPE & SIZE OF HOLE	CORE RECOVERY %	ROCK TYPE	GEOLOGY	SAMPLES NO.	ELEV.	RADIOMETRIC LOG MICROAMPERES
Bx open hole	75 to 100		OVERBURDEN: 0 to 3 feet Decomposed quartz monzonite. QUARTZ MONZONITE: 0 to 78 feet Altered biotitic quartz monzonite; some phases silicified and nonbiotitic; intermittent zones of limonitic alteration; location of siliceous vein indefinite.	7173		



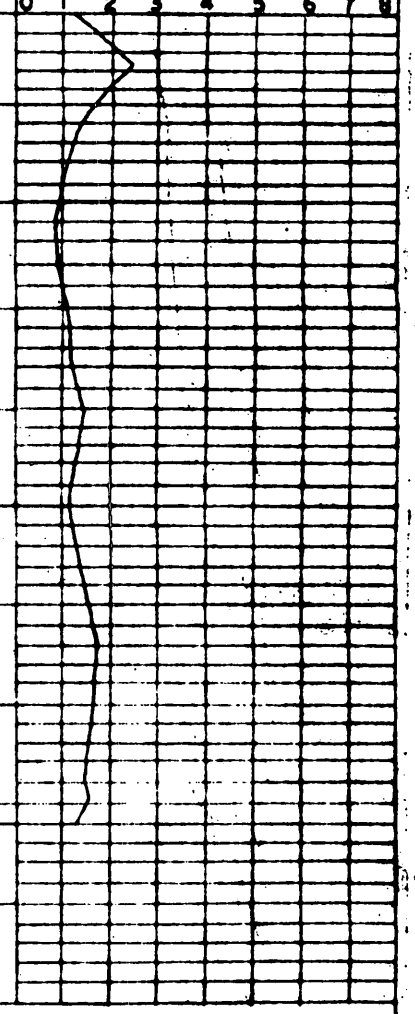
ASSAYS

Sample #7173 - 0.034 cU_3O_8

MISC. REMARKS

CLAIM Redstone	PROJECT Boulder Batholith	DRILLER F. W. Bell	COUNTY Jefferson STATE Montana
HOLE NO. R-3	LOCATION SW ¼, Sec. 1, T. 8N, R. 4W	COORDINATES None	COLLAR ELEV. approx. 6008
STARTED 10/2/53	OVERBURDEN DEPTH 3.0'	TOTAL DEPTH 82'	ANGLE FROM HORIZ. 55°
FINISHED 10/3/53	DEPTH TO WATER -	LOGGED BY W. E. Mead	BEARING approx N 14° W

TYPE & SIZE OF HOLE	CORE RECOVERY %	ROCK TYPE	GEOLOGY	SAMPLES NO.	ELEV.
			OVERBURDEN: 0 to 3 feet Decomposed quartz monzonite.	7177	
Bx open hole	75 to 100		QUARTZ MONZONITE: 0 to 82 feet Silicified nonbiotitic quartz monzonite grading to biotitic quartz monzonite at about 20 feet; alteration of feldspars to clay and biotite to limonite.		



ASSAYS

Sample #7177 - 0.009 cU3O8

MISC. REMARKS

CLAIM Redstone PROJECT Boulder Batholith DRILLER F.W. Bell COUNTY Jefferson STATE Montana

HOLE NO. R-4, R-4A LOCATION SW ¼ Sec. 1, T. 8N, R. 4W COORDINATES None COLLAR ELEV. approx. 6008

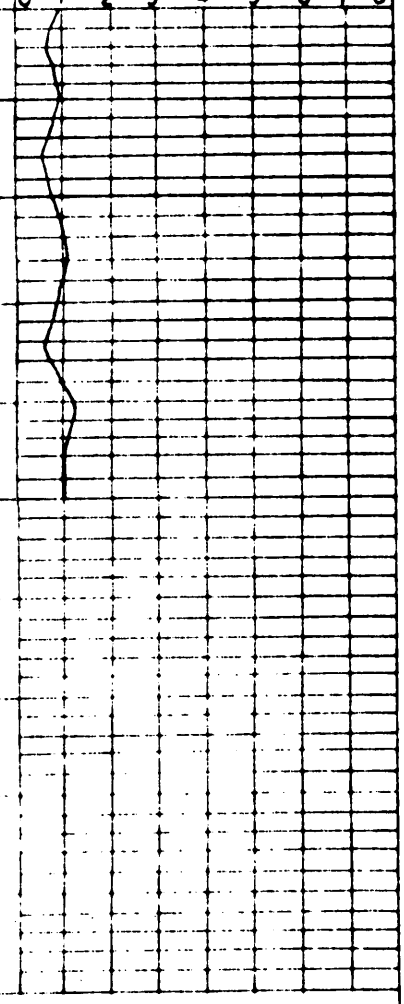
STARTED 10-3-53 OVERBURDEN DEPTH 3.0' TOTAL DEPTH R-4, 42' R-4A, 50' ANGLE FROM HORIZ. 50°

FINISHED 10-9-53 DEPTH TO WATER — LOGGED BY W.E. Mead BEARING N 17°W

Note: Because DDH's R-4 and R-4A were less than 1 foot apart and parallel, this log will suffice for both.

TYPE & SIZE OF HOLE	CORE RECOVERY %	ROCK TYPE	GEOLOGY	SAMPLES NO	ELEV.
Bx plug bit 0 to 50'	75 to 100		OVERBURDEN: 0 to 3 feet Decomposed quartz monzonite. QUARTZ MONZONITE: 0 to 50 feet Altered biotitic quartz monzonite. 20 to 25 feet - limonitic quartz monzonite. 25 to 40 feet - silicified nonbiotitic quartz monzonite cut by numerous seams of silica. 40 to 50 feet - decomposed biotitic quartz monzonite.	7161	

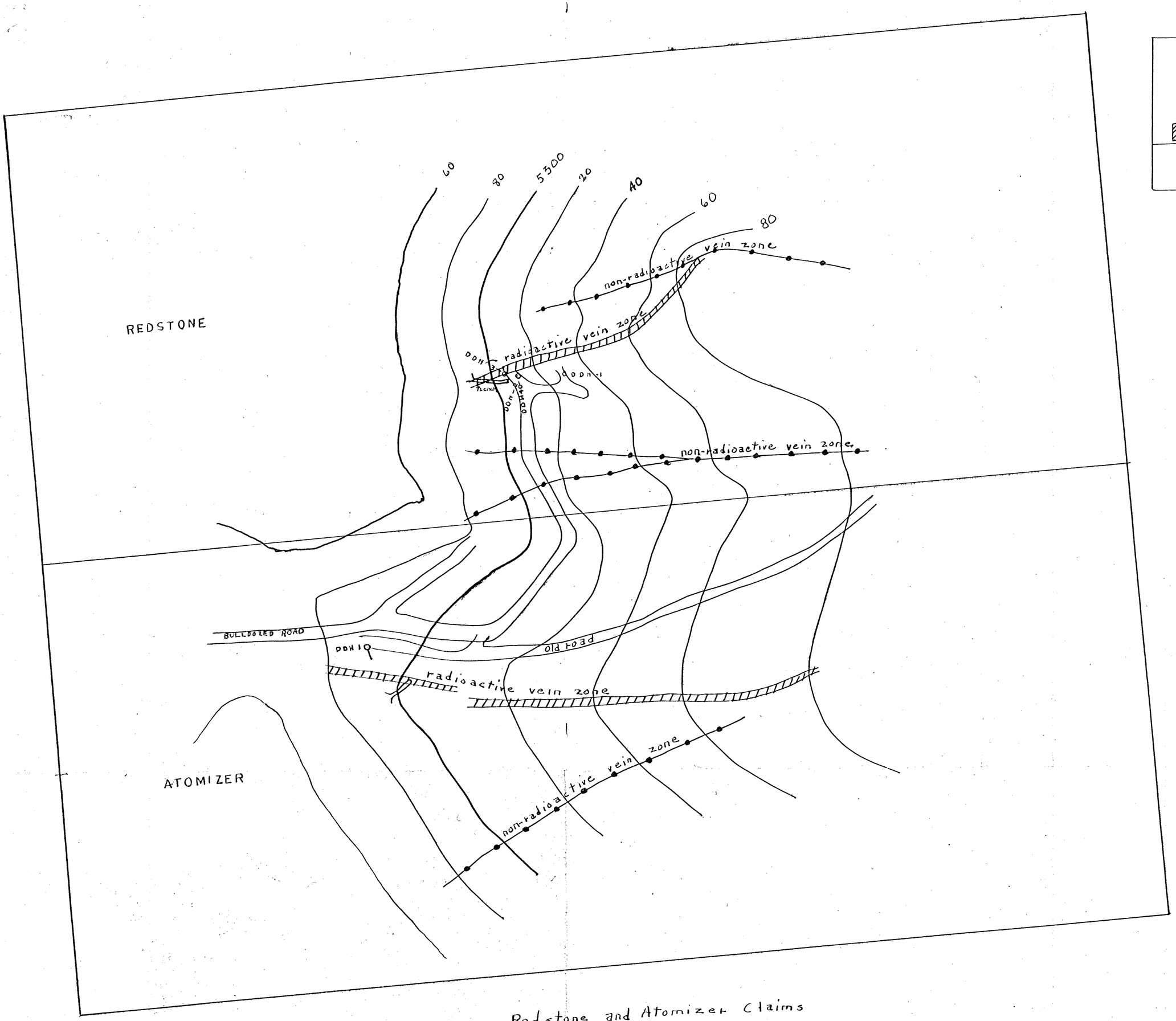
RADIOMETRIC LOG MICROAMPERES

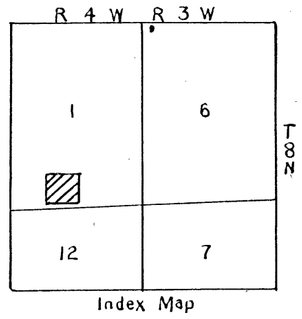


ASSAYS

Sample #7161 - 0.009 cU_3O_8

MISC. REMARKS





Redstone and Atomizer Claims
Jefferson Co., Montana
scale 1" = 200'

Modified from a U.S. Atomic Energy Commission map by G.E. Becraft