10-17-56

RECEIVED
OCT 1 5 1956

xxxxxxxxxxxxxxxxxx
Co. 157 Howard Street
Spokane 4, Washington

October 10, 1956

Mr. Ray Jensen

Fairfield, Montana

Re: Docket No. MMA-4249 (Uranium)
Ray Jensen
Mineral Deposit Claim
Lewis & Clark County, Montana

Dear Mr. Jensen:

Thank you for your letter of October 3, 1956, in which you ask if it is possible to obtain approval for assistance to explore for lead or lead and uranium. This possibility was considered during the processing of your application for assistance to explore for uranium.

If additional work in the future should furnish evidence to indicate that there is a chance of making a significant discovery of lead ore we will be happy to make another examination.

By Field Team, Region 2, [illegible]

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

King G. Agnew, Member
U. S. Bureau of Mines

cc: DMEA (2)
USBM (2)
Pinckney

RECEIVED
OCT 1 1956

Fairfield, Mont.
Oct. 3, 1956

Re: DMEA-4243 (Uranium)

Defense Minerals Exploration Adm.
Spokane, Wash.
Mr. W. E. Weissenborn

Dear Sir:

I just received word from Washington, D. C., turning me down on the development loan.

Your Geologist who inspected the property told me that if the Loan was turned down I possibly could get a lead or a lead and uranium loan.

Please advise me if that is possible and what procedure I would use.

Yours truly,

/s/ Ray Jensen

Box 246
Fairfield, Mont.

C O P Y

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

RECEIVED
OCT - 8 1956

October 3, 1956

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

Re: Docket No. DMEA-4243 (Uranium)
Ray Jensen
Mineral Deposit Claim
Lewis & Clark County, Montana

Dear Mr. Selfridge:

Enclosed is a letter dated September 27, 1956 from Mr. Arthur E. Granger of the AEC office at Salt Lake City, concurring in our recommendation for denial of a contract to explore the Mineral Deposit claim in Lewis & Clark County, Montana.

Sincerely yours,

D R MacLaren

D. R. MacLaren
for: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW Dist.

Enclosure

cc: USBM (2)
USGS(SRO)
Pinckney

Surname copy

Ching 700
Kuepper
Ellis
Lamb
Kiilsgaard
Selfridge.

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

Mr. Ray Jensen
Box 246
Fairfield, Montana

OCT 2 1956

Re: Docket No. DMEA-4243 (Uranium)
Mineral Deposit Claim
Lewis and Clark County, Montana

Dear Mr. Jensen:

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

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite premise 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 that the probability of disclosing significant ore reserves is not sufficiently promising to justify Government participation. We regret to advise you that, under these circumstances, your application for exploration assistance is denied.

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

Sincerely yours,

C. O. Mittendorf

Administrator

MChing/gla
9-28-56
cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700
Mr. Ching
DMEA Field Team, Region I, NWDist.(2)

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

DOCKET COPY

Ching Ellis

September 28, 1956

Summary of Proposed Poject

Object: Denial of application for an exploration project.

Docket No.: DMEA-4243

Commodity: Uranium

Applicant: Ray Jensen
Box 246
Fairfield, Montana

Property: Mineral Deposit claim, Ten Mile unorganized mining district, Lewis and Clark County, Montana. Applicant is a sub-lessee.

Date of Application: March 20, 1956

Amount of Application: $6,960.00

Work Proposed: Drift from the creek bed for 200 feet to intersect a mineralized vein. Other work would include 40 hours of bulldozer work and the building of a bridge. Costs would be as follows:

200 ft. drifting @ $30.00/ft.	$6,000.00
40 hrs. bulldozing @ $14.00/hr.	560.00
1 bridge	400.00
Total	$6,960.00
Government participation @ 75%	$5,220.00

Field Team Report: August 27, 1956 - Darrell M. Pinckney, USGS.

The property is underlain by quartz monzonite of the Boulder batholith which contains many east-trending, steeply-dipping quartz veins. In the vicinity of the subject property there are three veins, all of which are only a few inches wide. The main vein has been explored by two short adits, a short incline, a 31-foot shaft and a short drift from the bottom of the shaft.

Radioactivity was found at only three places on the property: In a vein exposed in the creek bank, and at two places in the drift from the bottom of the shaft. A sample taken in the first place contained only 0.03% U_3O_8. Selected samples from the two places in the drift contained 0.14 and 2.61% U_3O_8, but after sampling, these spots were no longer radioactive, the mineralization apparently having been exhausted by sampling. A third sample from the vein in the drift contained gold, silver, lead and zinc, but only 0.02% U_3O_8. It is concluded that the veins are too narrow to be of interest and the uranium mineralization is in scattered bunches of negligible size. It is recommended that the application be denied.

Commodity Group Comments:

U. S. Geological Survey, N. E. Nelson, September 18, 1956.

Concurs with examiners' recommendation for denial.

U. S. Bureau of Mines, James Paone, September 27, 1956.

Reviewed field report with AEC representative. Agrees that application should be denied.

Rare and Miscellaneous Metals Division, Michael Ching, September 27, 1956.

This was a very unsatisfactory application as far as information submitted was concerned. A request for additional information resulted in nothing worthwhile. Application probably could have been denied without an examination if public relations aspect had not been considered.

Conclusions and Recommendations:

The extremely narrow veins and small areas of mineralization preclude any worthwhile discovery on this property. It is recommended that the application be denied.

Ernest Wm. Ellis

Ernest Wm. Ellis

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

Date 9/27/56

DMEA Docket No. 4243
DMEA Contract No.
Commodity Uranium
Name of applicant Ray Jensen
Name of property Mineral Deposit Claim
Location of property Lewis & Clark Co., Montana
Estimated cost of project

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

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

Subject: Review of Field Team Report
(Application, Field Team Report, etc.)

1. Date of subject document: 8/27/56. 2. Date received by reviewer: 9/24/56.

3. Prior reports on this property known to reviewer: Yes ☐, No ☐.

4. Prior reports on nearby properties known to reviewer: Yes ☐, No ☐.

5. Information available on past production: Yes ☐, No ☐.

6. Other pertinent factors known to reviewer: Yes ☐, No ☐.

7. Explain items marked yes above:

8. Factors needing special consideration:
   a. Location ☐
   b. Ownership ☐
   c. Evidence of mineralization ☐
   d. Geology ☐
   e. Proposed exploration method ☐
   f. Alternate exploration method ☐
   g. Costs ☐
   h. ☐

9. Action advised:
   a. Obtain information from applicant ☐
   b. Refer to Field Team ☐
   c. Denial [x] ✓
   d. Agree with Field Team [x]
   e. Disagree with Field Team ☐
   f. Suggest alternate plan ☐
   g. Request another examination ☐
   h. Approval ☐
   i. Consult with Mr. _____ at _____ AEC office.

10. Remarks: (Use back of page if necessary)
Mr. J. O. Hosted, Washington representative of the Atomic Energy Commission, assisted in the review.

RECEIVED
SEP 28 1956

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

Date 9/27/56

DMEA Docket No. 4243
DMEA Contract No.
Commodity Uranium
Name of applicant Ray Jensen
Name of property Mineral Deposit Claim
Location of property Lewis & Clark Co., Montana
Estimated cost of project

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

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

Subject: Review of Field Team Report
(Application, Field Team Report, etc.)

1. Date of subject document: 8/27/56. 2. Date received by reviewer: 9/24/56.

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5. Information available on past production: Yes ☐, No ☐.

6. Other pertinent factors known to reviewer: Yes ☐, No ☐.

7. Explain items marked yes above:

8. Factors needing special consideration:
   a. Location ☐
   b. Ownership ☐
   c. Evidence of mineralization ☐
   d. Geology ☐
   e. Proposed exploration method ☐
   f. Alternate exploration method ☐
   g. Costs ☐
   h. _____ ☐

9. Action advised:
   a. Obtain information from applicant ☐
   b. Refer to Field Team ☐
   c. Denial ☒
   d. Agree with Field Team ☒
   e. Disagree with Field Team ☐
   f. Suggest alternate plan ☐
   g. Request another examination ☐
   h. Approval ☐
   i. Consult with Mr. _____ at _____ AEC office.

10. Remarks: (Use back of page if necessary)

Mr. J. O. Hosted, Washington representative of the Atomic Energy Commission, assisted in the review.

RECEIVED
SEP 28 1956

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

Date 9/27/56

DMEA Docket No. 4243
DMEA Contract No.
Commodity Uranium
Name of applicant Ray Jensen
Name of property Mineral Deposit Claim
Location of property Lewis & Clark Co., Montana
Estimated cost of project

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

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

Subject: Review of Field Team Report
(Application, Field Team Report, etc.)

1. Date of subject document: 8/27/56. 2. Date received by reviewer: 9/24/56.

3. Prior reports on this property known to reviewer: Yes ☐, No ☐.

4. Prior reports on nearby properties known to reviewer: Yes ☐, No ☐.

5. Information available on past production: Yes ☐, No ☐.

6. Other pertinent factors known to reviewer: Yes ☐, No ☐.

7. Explain items marked yes above:

8. Factors needing special consideration:
   a. Location ☐
   b. Ownership ☐
   c. Evidence of mineralization ☐
   d. Geology ☐
   e. Proposed exploration method ☐
   f. Alternate exploration method ☐
   g. Costs ☐
   h. ☐

9. Action advised:
   a. Obtain information from applicant ☐
   b. Refer to Field Team ☐
   c. Denial ☒
   d. Agree with Field Team ☒
   e. Disagree with Field Team ☐
   f. Suggest alternate plan ☐
   g. Request another examination ☐
   h. Approval ☐
   i. Consult with Mr. _____ at _____ AEC office.

10. Remarks: (Use back of page if necessary)

Mr. J. O. Hosted, Washington representative of the Atomic Energy Commission, assisted in the review.

RECEIVED
SEP 28 1956

9/19/56 gla

IN REPLY REFER TO:

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

RECEIVED
SEP 19 1956

September 18, 1956

Re: DMEA 4243
Ray Jensen
Mineral Deposit Claim
Lewis and Clark Co., Montana
Uranium

Memorandum

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

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

Subject: Review of Field Team report.

The applicant requested assistance in exploring narrow lead-zinc-silver veins, spots in which show radioactivity and yield uranium-bearing samples. One sample taken by the examiner assayed 2.61% U_3O_8, but the sampling exhausted the deposit at that point.

Other samples and readings indicate that the occurrences of uranium are sporadic and as the principal vein is narrow it is not workable for uranium. It also contains gold, silver, lead, and zinc but is also spotty as for those metals.

The examiner recommends denial of the application.

I concur with that recommendation.

N. E. Nelson

N. E. Nelson

IN REPLY REFER TO:

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

RECEIVED
SEP 1 0 1956

September 18, 1956

Re: DMEA 4843
Ray Jensen
Mineral Deposit Claim
Lewis and Clark Co., Montana
Uranium

Memorandum

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

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

Subject: Review of Field Team report.

The applicant requested assistance in exploring narrow lead-zinc-silver veins, spots in which show radioactivity and yield uranium-bearing samples. One sample taken by the examiner assayed 2.61% U_3O_8, but the sampling exhausted the deposit at that point.

Other samples and readings indicate that the occurrences of uranium are sporadic and as the principal vein is narrow it is not workable for uranium. It also contains gold, silver, lead, and zinc but is also spotty as for these metals.

The examiner recommends denial of the application.

I concur with that recommendation.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-9/18/56

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

RECEIVED
SEP 24 1956

xxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

September 20, 1956

Mr. Ray Jensen

Fairfield, Montana

Re: Docket No. DMA-4213 (Uranium)
Ray Jensen
Mineral Deposit Claim
Lewis and Clark County, Montana

Dear Mr. Jensen:

In reply to your letter of September 12, 1956, the Field Team recommendation has been sent to Washington, D. C., and you should hear from that office in a short time.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I
Northwest District

cc: DMA(2)
DMEA(2) ✓
Finckney

RECEIVED
SEP 24 1956

xxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

September 20, 1956

Mr. Ray Jensen

Fairfield, Montana

Re: Docket No. DMA-4243 (Uranium)
Ray Jensen
Mineral Deposit Claim
Lewis and Clark County, Montana

Dear Mr. Jensen:

In reply to your letter of September 12, 1956, the Field Team recommendation has been sent to Washington, D. C., and you should hear from that office in a short time.

Sincerely yours,

A. E. Meissenborn
Executive Officer, DMA
Field Team, Region I
Northwest District

CC: GSB (2)
DMA(2)
ineknay

9/20/56 gla

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
SEP 1 1956

September 10, 1956

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

Re: Docket No. DMEA-4243 (Uranium)
Ray Jensen
Mineral Deposit Claim
Lewis and Clark County, Montana

Dear Mr. Selfridge:

Enclosed are four copies of a memorandum report of examination of the Mineral Deposit claim in Lewis and Clark County, Montana, by Darrell M. Pinckney of the Geological Survey.

Pinckney concludes that the veins are narrow, and the uranium is scattered in small pods containing no more than a few pounds of ore-grade material. He also concludes that the chance of finding significant base metal deposits is poor. Therefore, Pinckney recommends that the application be denied.

The Field Team concurs with this recommendation.

By Field Team, Region I, NW District

A. E. Weissenborn

A. E. Weissenborn, Executive Officer
U. S. Geological Survey

Stephen A. Zelebik
for Wing G. Agnew, Member
U. S. Bureau of Mines

Enclosures

cc: USBM (2)
USGS(SRO)
AEC, SLC
Pinckney

Reviewed by
DMEA OPERATING COMMITTEE
9-19-56
(Date)

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

RECEIVED
SEP 1 7 1956

August 27, 1956

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: Darrell M. Pinckney, Geologist, U. S. Geological Survey

Subject: Field Examination Report, Docket No. DMEA-4243 (Uranium), Ray Jensen, Mineral Deposit Claim, Lewis and Clark County, Montana

RECOMMENDATION

It is recommended that the Government not enter into a contract to explore the Mineral Deposit claim. The vein is a narrow silver-lead-zinc vein that contains a few very small high-grade bunches of uranium ore. The chance of finding a workable deposit of either uranium or base metals seems remote.

INTRODUCTION

On July 25, 1956, the writer examined in considerable detail the vein on the Mineral Deposit and Transit claims, accompanied and assisted by the applicant, Mr. Ray Jensen.

The property is at the confluence of Banner and Ten Mile Creeks about 1¼ miles south of the village of Rimini, Montana.

Reviewed by
DMEA OPERATING COMMITTEE
9-19-56
(date)

GEOLOGY

The property is underlain by quartz monzonite of the Boulder batholith which contains many east-trending, steeply dipping quartz veins. Some of the veins contain ore bodies that are valuable chiefly for their content of silver and lead. Near Rimini the veins are spaced a few tens of feet to several hundred feet apart. Mining has been successful only where ore bodies were found at or very near the surface. A few of the veins are radioactive and contain some uranium but in accessible mine workings the radioactivity is of very limited extent along the veins.

The Mineral Deposit and Transit claims contain three veins, all of which are only a few inches wide (see map attached). The Mineral Deposit vein, which strikes N. 80° E. and dips 62° S., has

been explored by two short adits now caved, a short incline, and a shaft 31 feet deep from the bottom of which a short drift extends eastward. In a trench about 100 feet east of the shaft, the wall of a stope was exposed at the intersection of the Mineral Deposit vein and a vein about 12 inches wide that strikes N. 58° E. and dips vertically. A third vein, only 4 inches wide, which strikes N. 77° E. and dips 80° S., is exposed in the bank of Ten Mile Creek about 100 feet north of the Mineral Deposit vein.

Radioactivity was found at only three places on the claims: in the vein exposed in the creek bank, and at two places in the Mineral Deposit vein in the drift from the bottom of the shaft. The radioactivity from the vein in the creek bank was very weak and a sample taken across the vein contained only 0.03 percent U_3O_8. Selected samples of two highly radioactive spots in the drift on the Mineral Deposit vein contained 0.14 and 2.61 percent U_3O_8. After sampling, these spots were no longer radioactive; apparently the entire "uranium deposit" was exhausted by sampling. A third sample from the vein in the drift contained considerable gold, silver, lead, and zinc, but only 0.02 percent U_3O_8.

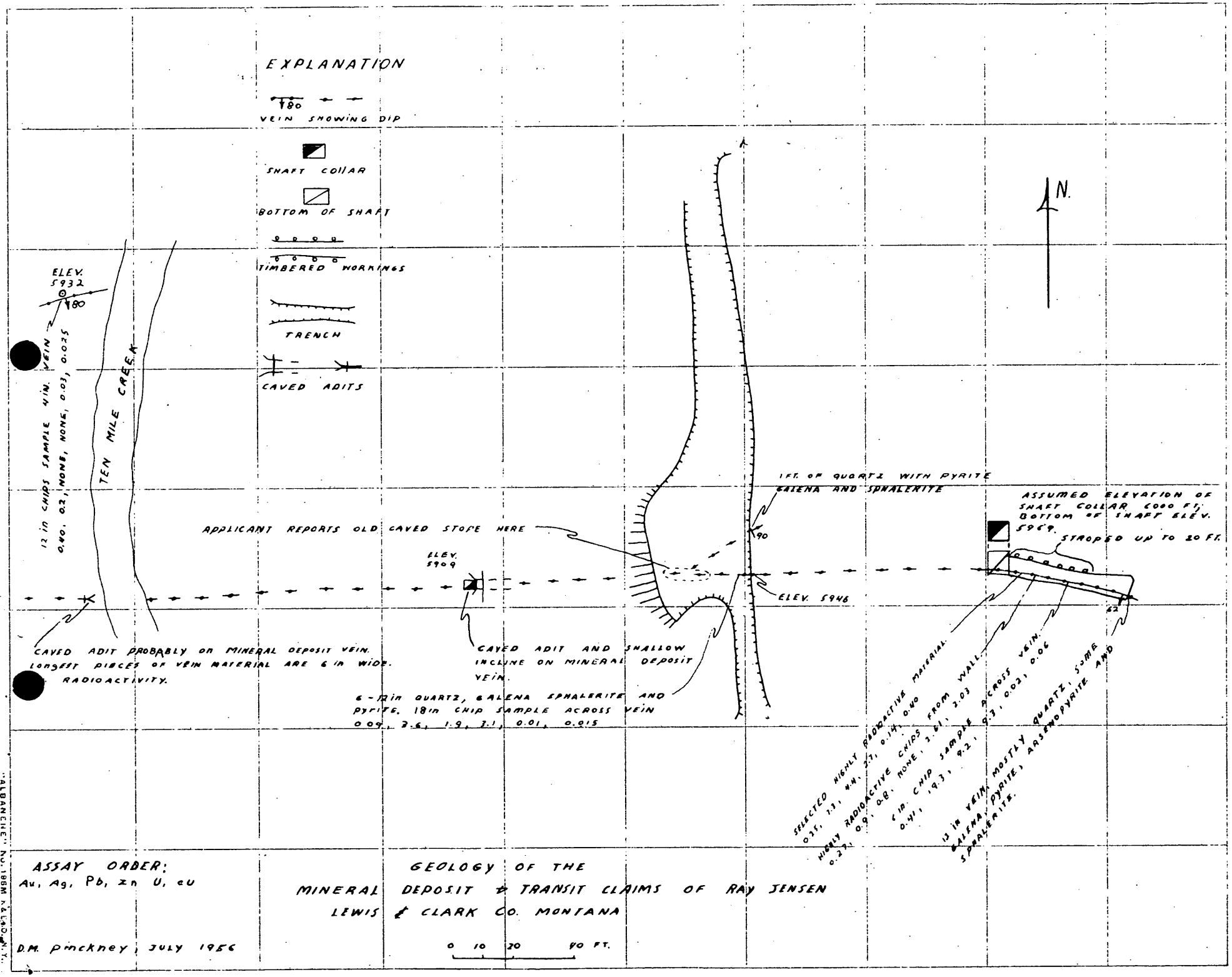
CONCLUSION

It is recommended that the Government not enter into a contract to explore the veins on the Mineral Deposit and Transit claims either for uranium or for base metals. The veins are narrow and the uranium is scattered in small bunches containing not over a few pounds of ore-grade material. Base metal ore bodies are not exposed at the surface and the chance of finding any by underground exploration seems remote.

Attachment 1

Distribution:
DMEA (4)
USBM (2)
USGS(SRO)
AEC, SLC
Docket
Pinckney

DOCKET NO. DMEA 4243



ASSAY ORDER:
Au, Ag, Pb, Zn U, Cu

GEOLOGY OF THE
MINERAL DEPOSIT & TRANSIT CLAIMS OF RAY JENSEN
LEWIS & CLARK CO. MONTANA

D.M. Pinckney, JULY 1956

"ALBANENE" No. 188M K&E CO. N.Y.
REG. U.S. PAT. OFF.

9/17/56 gh

RECEIVED
SEP 17 1956

xxxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

September 1., 1956

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

Re: Docket No. DMEA-4243 (Uranium)
Ray Jensen
Mineral Deposit Claim
Lewis and Clark County, Montana

Dear Mr. Selfridge:

Enclosed are four copies of a memorandum report of examination of the Mineral Deposit claim in Lewis and Clark County, Montana, by Darrell M. Pinckney of the Geological Survey.

Pinckney concludes that the veins are narrow, and the uranium is scattered in small pods containing no more than a few pounds of ore-grade material. He also concludes that the chance of finding significant base metal deposits is poor. Therefore, Pinckney recommends that the application be denied.

The Field Team concurs with this recommendation.

By Field Team, Region I, NW District

A. L. Weissenborn, Executive Officer
U. S. Geological Survey

Wing G. Agnew, Member
U. S. Bureau of Mines

Enclosures

cc: USBM (2)
USGS(SRO)
AEC, SLC
Pinckney

Reviewed by
DMEA OPERATING COMMITTEE
9-19-56
(date)

RECEIVED
SEP 1 1956

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

August 27, 1956

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: Darrell M. Pinckney, Geologist, U. S. Geological Survey

Subject: Field Examination Report, Docket No. DMEA-4243 (Uranium), Ray Jensen, Mineral Deposit Claim, Lewis and Clark County, Montana

RECOMMENDATION

It is recommended that the Government not enter into a contract to explore the Mineral Deposit claim. The vein is a narrow silver-lead-zinc vein that contains a few very small high-grade bunches of uranium ore. The chance of finding a workable deposit of either uranium or base metals seems remote.

INTRODUCTION

On July 25, 1956, the writer examined in considerable detail the vein on the Mineral Deposit and Transit claims, accompanied and assisted by the applicant Mr. Ray Jensen.

The property is at the confluence of Banner and Tenmile Creeks about 1¼ miles south of the village of Rimini, Montana.

Reviewed by
DMEA TECHNICAL MINING COMMITTEE
9-19-56
(date)

GEOLOGY

The property is underlain by quartz monzonite of the Boulder batholith which contains many east-trending, steeply dipping quartz veins. Some of the veins contain ore bodies that are valuable chiefly for their content of silver and lead. Near Rimini the veins are spaced a few tens of feet to several hundred feet apart. Mining has been successful only where ore bodies were found at or very near the surface. A few of the veins are radioactive and contain some uranium but in accessible mine workings the radioactivity is of very limited extent along the veins.

The Mineral Deposit and Transit claims contain three veins, all of which are only a few inches wide (see map attached). The Mineral Deposit vein, which strikes N. 80° E. and dips 62° S., has

been explored by two short adits now caved, a short incline, and a shaft 31 feet deep from the bottom of which a short drift extends eastward. In a trench about 100 feet east of the shaft, the wall of a stope was exposed at the intersection of the Mineral Deposit vein and a vein about 12 inches wide that strikes N. 58° E. and dips vertically. A third vein, only 4 inches wide, which strikes N. 77° E. and dips 80° S., is exposed in the bank of Ten Mile Creek about 100 feet north of the Mineral Deposit vein.

Radioactivity was found at only three places on the claims: in the vein exposed in the creek bank, and at two places in the Mineral Deposit vein in the drift from the bottom of the shaft. The radioactivity from the vein in the creek bank was very weak and a sample taken across the vein contained only 0.03 percent U_3O_8. Selected samples of two highly radioactive spots in the drift on the Mineral Deposit vein contained 0.14 and 2.61 percent U_3O_8. After sampling, these spots were no longer radioactive; apparently the entire "uranium deposit" was exhausted by sampling. A third sample from the vein in the drift contained considerable gold, silver, lead, and zinc, but only 0.02 percent U_3O_8.

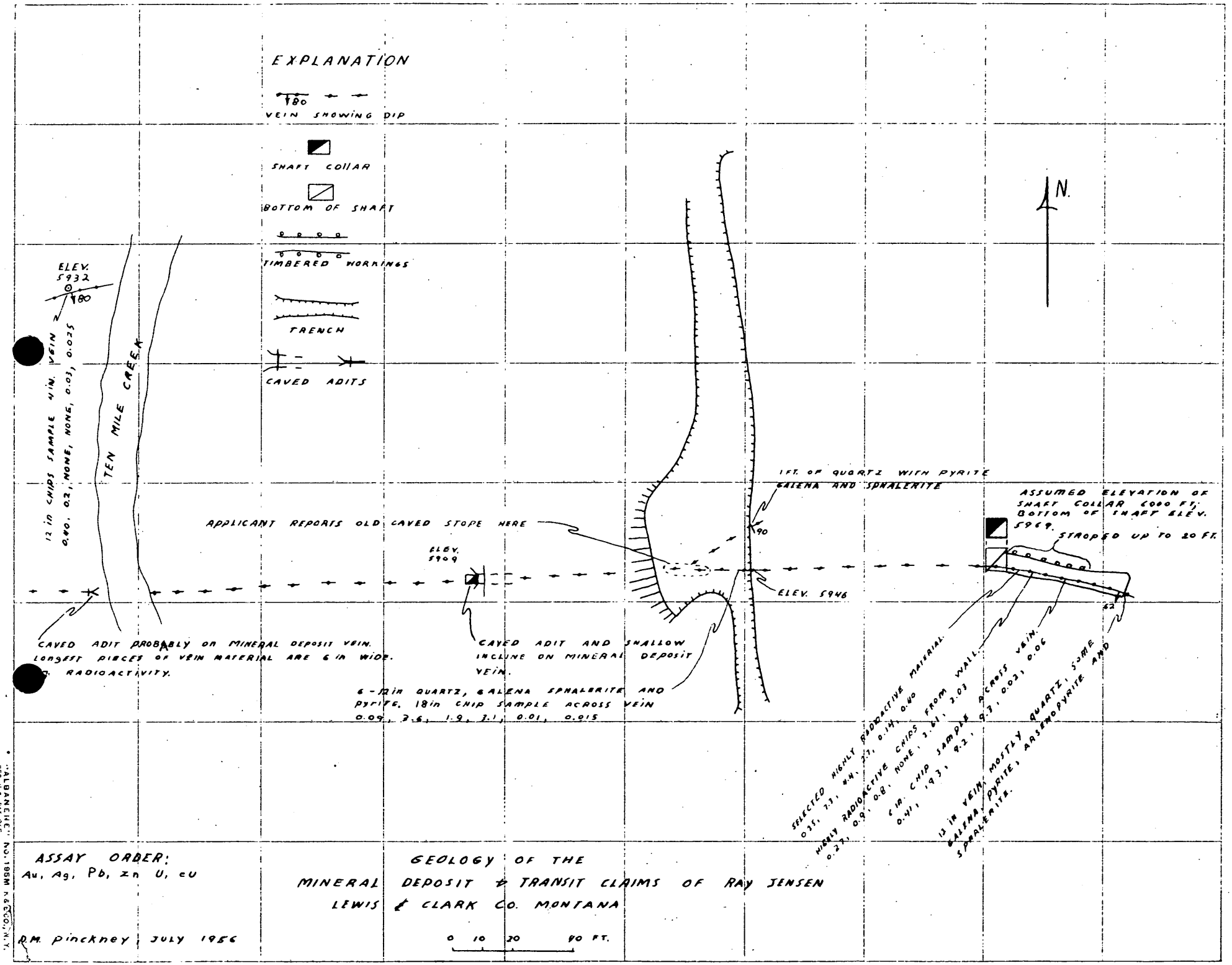
CONCLUSION

It is recommended that the Government not enter into a contract to explore the veins on the Mineral Deposit and Transit claims either for uranium or for base metals. The veins are narrow and the uranium is scattered in small bunches containing not over a few pounds of ore-grade material. Base metal ore bodies are not exposed at the surface and the chance of finding any by underground exploration seems remote.

Attachment 1

Distribution:
DMEA (4)
USBM (2)
USGS(SRO)
AEC, SLC
Docket
Pinckney

DOCKET NO. DMEA 4243



"ALBANENE" NO. 185M K&E CO., N.Y. REG. U.S. PAT. OFF.

9/24/56 gla

RECEIVED

SEP 24 1956

xxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

September 11, 1956

SEP 1 1956

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

Re: Docket No.DMEA-4243 (Uranium)
Ray Jensen
Mineral Deposit Claim
Lewis and Clark County, Montana

Dear Mr. Granger:

Enclosed is an application received from Ray Jensen of Fairfield, Montana, to explore the Mineral Deposit claim in Lewis and Clark County, Montana. Also enclosed is an examination report by Darrell M. Pinckney of the Geological Survey; he recommends denial of a contract on the basis of the chance being very remote of finding a workable deposit of either uranium or base metals because the vein is a narrow silver-lead-zinc vein containing a few very small high-grade bunches of uranium.

We are forwarding the report to Washington, concurring in Pinckney's recommendation for denial. We would appreciate receiving your comments as to whether or not you believe the property has merit. As soon as we hear from you we shall forward your comments to Washington.

Sincerely,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW District

Enclosures

cc: DMEA (2)
USBM (2)
Pinckney

700

Surname copy

Ching
Ellis
Kilsgaard
Geelan
Selfridge

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

JUL 6 - 1956

Mr. Ray Jensen
Box 246
Fairfield, Montana

Re: Docket No. DMEA-4243 (Uranium)
Mineral Deposit Claim
Lewis and Clark County, Montana

Dear Mr. Jensen:

The application for assistance in exploring your claim, under the captioned docket number, has been reviewed by the Rare and Miscellaneous Metals Division of the Defense Minerals Exploration Administration. It has been referred to:

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

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

Sincerely yours,

C. O. Mittendorf

Administrator

MChing/ai 7-3-56
cc to; Admr.'s Reading File
Docket
Code 700
Mr. Ching
DMEA Field Team, Region I
Northwest District

700

Surname copy

Ching
Selfridge

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

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

JUL 6 - 1956

Re: Docket No. DMEA-4243 (Uranium)
Ray Jensen
Mineral Deposit Claim
Lewis and Clark County, Montana

Dear Mr. Weissenborn:

The subject application is being referred to you for investigation, a field examination if warranted, and recommendations. A copy of the application was retained in your office.

Copies of memoranda by M. E. Nelson, USGS, dated April 11, 1956, by James Paone, USBM, dated April 13 and June 21, 1956, and by T. H. Kiilsgaard, USGS, dated June 28, 1956, all related to the application, are enclosed for your information.

Also enclosed are two copies of a letter dated June 12, 1956 from Ray Jensen and one copy of a Preliminary Geology Report, dated June, 1956, by Virgil R. Chamberlain, which are supplemental to the original application.

In the event a contract is recommended by the Field Team a Consent to Lien would be required of A. T. Cooper and a Performance Bond supplied in lieu of Consent to Lien by the Red Mountain Consolidated Mining Company.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Enclosures

MChing/ai 7-3-56
cc to: Admr. Reading File
Docket
Oper. Comm.
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700
Mr. Ching

APPROVED:

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

Thor H. Kiilsgaard
Member, Geological Survey

6/28/56

IN REPLY REFER TO:

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

June 28, 1956

RECEIVED
JUN 29 1956

Memorandum

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

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

Subject: Review of supplemental information on application DMEA 4243, Jensen prospect, Lewis and Clark Co., Montana.

The cited application was previously reviewed by Bureau and Survey commodity men on April 13 and April 11, respectively; both reviewers found the application incomplete and recommended that it be returned to the applicant for more information, which was done by letter from E. W. Ellis on April 12. In response to Mr. Ellis' letter the applicant has submitted a report by consulting geologist on the property, the report being the subject of this review.

The geologist's report is of very little assistance in evaluating the applicant's proposal. He states that a quartz vein with some lead sulfides and uranium mineralization is to be explored, and that it can best be explored by a 180-foot drift, which is what the applicant wanted to do in the first place.

The Ten Mile Mining district was formerly an active producer of prcious metals but it has been closed down for so long that its trading center, the town of Rimini, is now little more than a ghost town. In recent years the district has experienced some renewed interest from the finding of uranium ore on mine dumps. The uranium ore apparently occurs in trace amounts associated with lead-silver mineralization in the quartz veins. None of the examined veins have warranted exploration from a uranium standpoint. Mr. Jack Hampton, mentioned as the possible contractor in this application, previously submitted a DMEA application on such a property in the district, which was subsequently denied.

From the information on hand, DMEA would be justified in denying the application for the possibility of making a significant uranium discovery at Rimini is indeed remote. However, in the interests of public relations, it is suggested that the applicant's property be examined by the Field Team. In all probability their report will recommend denial.

T. H. Kiilsgaard

T. H. Kiilsgaard

6-26-56

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

RECEIVED
JUN 25 1956

June 21, 1956

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

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

Subject: Supplemental Information, DMEA Docket 4243, Ray Jensen, Lewis & Clark County, Montana

I have reviewed the supplemental information, DMEA Docket 4243, Ray Jensen, Lewis & Clark County, Montana, dated June, 1956, and received in this office June 18, 1956. I have also discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The supplemental information contains little data in support of an application for exploration assistance. A definite program is not outlined and no cost figures are given.

Inasmuch as the subject claims are located in an area in which the AEC has performed a considerable amount of exploration, it is recommended that the application be referred to the field and the field team consult with A. E. Granger, AEC representative, Salt Lake City, Utah. Sufficient information regarding the area may be contained in the Commission files at Salt Lake to preclude a field examination.

James Paone

James Paone

Fairfield Mont.
June 12, 1956

Mr. Ernest Wm Ellis
U.S. Department of Interior
Washington 25, D.C.

RECEIVED
JUN 14 1956

Re: Docket No. DMEA 4243

Dear Sir:

Enclosed are two copies of Sedwick's report. If you need more copies let me know and I will send them to you.

My estimate of cost would include two hundred feet of drifting and timbering at thirty dollars ($30.00) per ft., forty hours of dozer work at $14.00 per hr., timber and labor for one bridge across Ten Mile Creek costing $400.00

That amount would be sufficient unless you recommend core drilling before drifting.

Yours truly
Ray Jensen
Fairfield, Montana

Box 246

Hold. Additional information requested. 4-16-56

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

RECEIVED
APR 13 1956

April 13, 1956

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

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

Subject: Application for Assistance, DMEA Docket 4243, Ray Jensen, Lewis & Clark County, Montana

I have reviewed the attached application, Ray Jensen, DMEA Docket 4243, dated March 20 and received in this office April 10. I have also discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The applicant has requested DMEA assistance in order that he may search for uranium on a claim located in Lewis & Clark County, Montana. The proposed exploration work includes 180 feet of drift at a unit cost of $25 and an unspecified footage of timbering at a unit cost of $5.

The application is sketchy and incomplete. Additional information is necessary in order to properly evaluate the property.

James Paone
James Paone

Attachment

4-13-56

IN REPLY REFER TO:

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

RECEIVED
APR 12 1956

April 11, 1956

Re: DMEA 4243
Ray Jensen
Jensen prospect
Lewis and Clark Co., Mont.
Uranium

Memorandum

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

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

Subject: Review of application

The applicant requests are unstated amount of assistance to be used in exploring a vein of which little information is given, but which would seem to have claimed the attention of A.E.C. officials.

The vein is opened by a 40-foot vertical shaft and a 40-foot drift. Just what the vein looks like is not given us to know, except that there is ore in place in the vein and in the wallrock. The applicant says 6% U_3O_8 material was taken from the dump.

When the snow goes a geologist is expected to make a report on the prospect. Until the report is in hand and reviewed, no recommendation is made.

N. E. Nelson

N. E. Nelson

#-23-56

Fairfield Mont.
April 17, 1956

RECEIVED
APR 23 1956

Ernest Wm Ellis
Rare and Misc. Metals
Washington, D.C.

Re: Docket No. 4243

Dear Sir:

The receipt of your letter dated April 12, 1956 is hereby acknowledged. I agree that it would be appropriate for you to hold my application in abeyance until my Geologist can get to the claim to make his report. I will send you the supplemental information that you requested along with the geologic report as soon as possible.

I am quiet sure the snow will be melted enough in two or three weeks for the report to be made.

Yours truly
Ray Jensen
Box 246
Fairfield Mont.

700

FILE COPY
Surname: Chiang
Ellis

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

APR 12 1956

Mr. Ray Jensen
Box 246
Fairfield, Montana

Re: Docket No. DMEA-4243 (Uranium)
Mineral Deposit Claim
Lewis and Clark County, Montana

Dear Mr. Jensen:

We have reviewed your application for aid in an exploration project and find it too incomplete for further processing at this time.

In order that we may make a preliminary appraisal of your property the following additional information should be supplied by you:

1. A map or sketch, drawn to scale, of your property, showing outstanding geologic features, the location of the present shaft, and the location of the proposed drift, all in relation to the boundaries of the property. In this connection, we note that you have included only the Mineral Deposit claim in your application, although your lease covers four claims. Is it your intention to include only the one claim in the proposed project?

2. You state that the deposit is a vein and that there is ore in place in the vein. It is suggested that you take representative channel samples across the vein in the shaft, have the samples analyzed by reliable assayers, and send certified copies of the reports to this office. A supplemental report by you describing the locations from which the samples were taken and the manner in which they were taken should accompany the assay reports.

3. Your estimate of cost appears to be somewhat indefinite. Would the $25.00 per foot figure cover all costs of the project aside from timbering?

It is important that you furnish us with all the information possible to show that there is a geologic probability of making a significant discovery on your property. Since you plan to have a geologist examine your property as soon as the weather permits, we believe that it would be appropriate for us to hold your application in abeyance for a reasonable time until the geologist's report is available and the supplemental information requested above has been received. Please advise us promptly whether or not this procedure meets with your approval.

For your information, in the event your application reaches the contract stage, a Consent to Lien would be required of A. T. Cooper and you would be required to furnish a Performance Bond in the amount of the Government's participation in lieu of a Consent to Lien by the Owner, the Red Mountain Consolidated Mining Company.

All information should be supplied in quadruplicate.

Sincerely yours,

SIGNED

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

MChing/ism 4-12-56
cc to: Docket
Code 700
Mr. Ching
Admr.'s Reading File
Contracts Consultant
Region I, N.W. District Field Team, (2)
Messrs. JECrawford, Rm. 3641
THKillagaard, Rm. 5224
JOHosted, Rm. 3210, GSA

April 10, 1956
Subject: DMEA-4243
Re: Exploration Assistance
Mineral Deposit Claim

Mr. Ray Jensen
Box 246
Fairfield, Montana

My dear Mr. Jensen:

The receipt of your application dated March 20, 1956, for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4243 and referred to the Rare & Misc. Metals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

April 10, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region I NW

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 I NW.

DMEA - 4243 Ray Jensen

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

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

RECEIVED
APR 9 - 1956

So. 157 Howard Street
Spokane 4, Washington

March 30, 1956

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

Re: New application (Uranium)
Ray Jensen
Mineral Deposit Claim
Lewis & Clark Co., Montana

Dear Mr. Selfridge:

Enclosed are the original and two copies of an application received from Mr. Ray Jensen, P. O. Box 246, Fairfield, Montana.

Mr. Jensen says that the owner of the claim, The Red Mountain Consolidated Mining Co. of St. Paul, Minnesota, will not sign a consent to lien.

Very truly yours,

A. E. Weissenborn

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW. Dist.

Enclosure 1 (in trip.)

cc: USBM (2)
Pinckney

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
MAR 23 1956
U. S. D. S.
SPOKANE, WASH.

RECEIVED
APR 9 - 1956

DMEA

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-4243
Metal or Mineral Uranium
Date Received 4-9-56
Estimated Cost $no amount given
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: RAY JENSEN
BOX 246
FAIRFIELD MONT.

(*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
MINERAL DEPOSIT CLAIM SURVEY NO. 543
SECTION 8, T. 8 NO. R. 5 WEST
TEN MILE UNORGANIZED MINING DIST. LEWIS-CLARK Co.

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise LESSEE

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

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

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

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

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

(*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. Roads fair . 17 miles to R. R. shipping point. Helena Mont.

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

16—66551-1

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

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

(*c*) The work will start within 30 days and be completed within 5 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)? yes

(*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 March 20, 1956

Ray Jensen
(Applicant)

By

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

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

RECEIVED
APR 9 - 1956

The owner of this claim, The Red Mountain Consolidated Mining of St. Paul, Minn. will not sign any consent to lien.

I am negotiating for a lease from the Red Mountain Consolidated Mining Co. for five years after this lease expires.

If you want me to send a copy to you after I get it let me know.

Ray Jensen

(2)

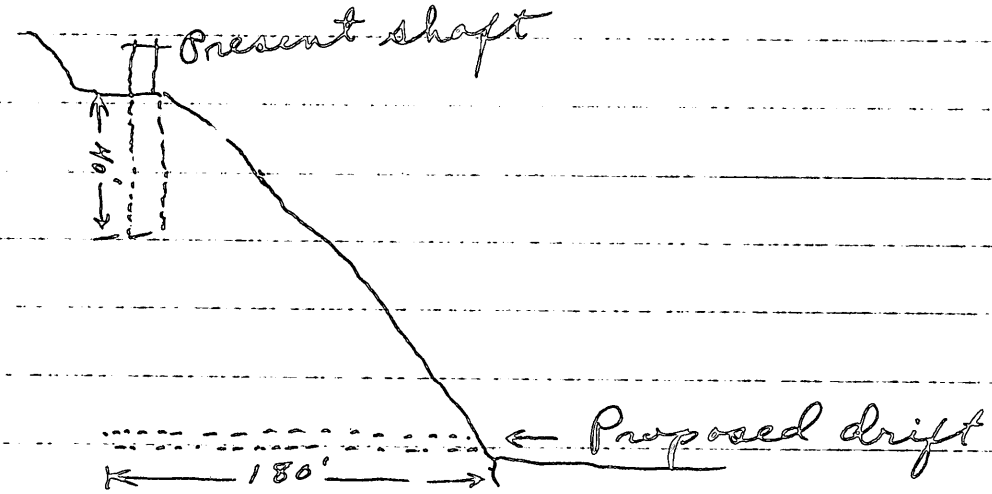
RECEIVED
APR 9 - 1956

(a) There hasn't been any work done on this claim since 1942. The only mine opening is a vertical shaft 40 ft. deep with a 40 ft. drift from the bottom of shaft. There is a good ladder down the shaft for examination purposes.

(c) The deposit is a vein with a dip of about 75°. There is ore in place in the vein and in the wall rock. I found ore in the dump which assayed 6% Uranium. Mr. S.D. Jarrard of the A.E.C. office in Butte did the assay. Mr. Jarrard was out to look at the claim but did not go down the shaft as there was water in it at that time, later Mr. Moen and another Geologist from the Butte office were down the shaft and suggested drifting in to the vein from down at the creek bed. They said they couldn't see any reason why I shouldn't be able to get a D.M.E.A. loan.

As soon as some of the snow melts Mr. Virgil Chamberlain a Geologist from Great Falls will make a geologic report and I will send it to you.

(b)



RECEIVED
APR 9 - 1956

(d) The work would be contracted to Mr. Jack Hampton of Helena. He has the necessary mining equipment and he has had years of experience in mining.

-6-

(a) Mr. Hampton said he would contract the drifting for twenty five ($25.00) per ft., and the timbering for five dollars ($5.00) per ft.

(Copy)

RECEIVED
APR 9 - 1956

MINE LEASE AND SUB-LEASE

This Lease, made the 6th day of September, 1955 by and between A. T. COOPER of Helena, Montana, as Lessee of the Red Mountain Consolidated Mining Company (said A. T. COOPER being hereinafter referred to as the Lessor), and RAY JENSEN, (hereinafter referred to as the Lessee):

WITNESSETH

That the Lessor, being Lessee of the mining property below described, with the Red Mountain Consolidated Mining Company as owner and Lessor, hereby leases to the Lessee and sub-leases to the Lessee herein, all of Lessors right, title and interest in and to the following described mining claims situated in the Ten Mile unorganized mining district of Lewis and Clark County, State of Montana:

Avon & Mill Site Claim	Survey No. 463 A & B
Green Grove Claim	Survey No. 464
Mineral Deposit Claim	Survey No. 543
Red Mountain Central Mining Claim	Survey No. 904

The term of this lease shall extend for the period beginning with the date of execution of same and ending November 1, 1961, unless sooner terminated hereunder: Subject to the conditions and covenants hereinafter set forth.

Lessee will abide, keep and perform all the conditions and covenants applicable to the Lessor under that certain lease dated November 1, 1941, between the Red Mountain Consolidated Mining Company, a Montana corporation, as Lessor, and A. T. Cooper as Lessee, and including extensions thereof; provided, however, that the Lessee herein names shall not be liable under any circumstances for payment of advance royalties.

Lessee will prevent (acts of God, alone, excluded) any pollution of Ten Mile Creek or of its water shed from or by Lessee's operation under this lease.

Lessee will perform, or cause to be performed, on the above named claims, in the aggregate, in actual mining operations, a minimum of 350 man labor shifts per each and every year during the term of this lease.

Lessee will, in the case of all low grade ores mined and extracted by Lessee, and which Lessee does not ship directly to a smelter or which

Lessee does not mill and ship, place all thereof in a separate dump, clearly identifiable and physically removed from all other dumps on the property or other dumping area, and there preserve the same for the Lessor.

Lessee will promptly pay and discharge all bills and accounts for labor and material incurred in his operations as or before the same are due, and unconditionally keep the said premises absolutely free and clear from any liens and encumbrances and likewise wholly indemnify and wholly save harmless the Lessor and the Red Mountain Consolidated Mining Company from all such bills, accounts, liens and encumbrances.

Lessee will conduct all operations in a good miner-like manner and particularly so as to perserve the property and develop it properly as an active mining enterprise.

Lessee will pay, on duplicate original smelter or mill certificates properly authenticated, royalties as follows:

(a.) To Red Mountain Consolidated Mining Company, ten per cent of the net smelter or mill returns (after smelting and milling charges and transportation charges, the latter subject toagreement with the undersigned),

(b.) To A. T. Cooper, five per cent of the net smelter or mill returns (after smelting and milling charges and transportation charges, the latter subject to agreement with the undersigned),

The above stated royalties are to be paid directly by the smelter or mill. If Lessee receives other amounts from the sale of such ores over and above the settlement amounts by mill or smelter, Lessee shall pay to Lessor the above stated royalty amounts for Lessor and the said Red Mountain Co.

Lessee will pay promptly as they mature and before delinquency; all taxes, exactions, assessments and governmental charges, State of Federal, (except as hereinafter provided):

(a.) Upon or against the leased premises; and

(b.) Arising out of or on account of, mining or other operations conducted thereon by the sub-lessee, including especially all ad valoreum taxes, the Montana net proceeds of mines tax, the Montana metalliferous mines tax, and all taxes on royalties, if any, due the State of Montana, or any county or subdivision thereof, or the United States of America by reason of, or growing out of, said royalty or the receipt thereof by the Lessor to the

end that said royalty and all thereof including the ten per cent royalty to Red Mountain Consolidated Mining Company and the five per cent royalty to A. T. Cooper, shall be received net by the owners and Lessor herein from the Lessee herein, and enjoyed by the owners and Lessor without any deduction on account of any such taxes or exactions or on account of any governmental charges whatsoever against said royalty, but nothing herein contained shall be construed to require the sub-lessee to pay any income taxes or corporation license taxes, whether imposed by the State of Montana, or any subdivision thereof, or the United States of America, against the Lessor or owner. Property taxes will be paid by Lessee.

Lessee shall have sixty days from and after the termination of this lease and sub-lease, whether by expiration of term, forfeiture, operation of law or otherwise, within which to remove from the lease premises all of the mining machinery, equipment, tools, supplies, and other movable personal property (but excluding structures attached to the surface of the premises or intergraded in the workings thereof) and in the event such personal property is not removed in said period, then this sub-lease shall operate to transfer all of Lessee's right, title and interest therein to the Lessor named herein.

IN WITNESS WHEREOF, the parties hereto haver hereunto subscribed their names this sixth day of September, 1955.

S/ A. T. Cooper
LESSOR

S/ Ray Jensen
LESSEE

RECEIVED
APR 9 - 1956

STATE OF MONTANA)
COUNTY OF LEWIS AND CLARK) SS.

On this sixth day of September in the year 1955, before me, Clayton R. Herron, personally appeared RAY JENSEN, known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same.

S/ Clayton R. Herron
Notary Public for the State of Montana. Residing at Helena, Montana. My commission expires August 12, 1958.

(SEAL)

STATE OF MONTANA)
COUNTY OF LEWIS AND CLARK) SS.

On this sixth day of September in the year 1955, before me, Clayton R. Herron, personally appeared A. T. COOPER, know to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same.

S/ Clayton R. Herron
Notary Public for the State of Montana. Residing at Helena, Montana. My commission expires August 12, 1958.

(SEAL)

7190 1

State of Montana
County of Lewis & Clark } ss.
I hereby certify that the within instrument was filed in my office on this 27 day of Oct A.D. 1955 at 9 o'clock A.M. and duly recorded on page ___ records of Lewis and Clark County State of Montana

Florence Thielen Fauver
County Recorder
By Lorraine C Russell
Deputy.
$ Fee Recording 5.00
Certificate 4.50

Book 5-7
Page 5-37

Recorder's Office
STATE OF MONTANA,
County of Lewis and Clark. } ss.

I, Florence Thielen Fauver, County Clerk and Ex-Officio Recorder, in and for said County and State, hereby certify that the above and foregoing is a true, full and correct copy of MINE LEASE AND SUB*LEASE A. T. COOPER Lessor RAY JENSEN, Lessee

filed for record the 27th day of Sept, A. D., 19 55

IN WITNESS WHEREOF, I hereunto set my hand and affix the seal of said County this 27th day of Sept, A. D., 19 55

Florence Thielen Fauver
County Clerk and Ex-Officio Recorder.

By Lorraine C Russell
Deputy.

1M—3-55—11781

Crawford
4/

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

So. 157 Howard Street
Spokane 4, Washington

RECEIVED
APR 9 - 1956

March 30, 1956

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

Re: New application (Uranium)
Ray Jensen
Mineral Deposit Claim
Lewis & Clark Co., Montana

Dear Mr. Selfridge:

Enclosed are the original and two copies of an application received from Mr. Ray Jensen, P. O. Box 246, Fairfield, Montana.

Mr. Jensen says that the owner of the claim, The Red Mountain Consolidated Mining Co. of St. Paul, Minnesota, will not sign a consent to lien.

Very truly yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW. Dist.

Enclosure 1 (in trip.)

cc: USBM (2)
Pinckney

MF-103
(Revised April 1952)

RECEIVED
MAR 23 1956
U. S. G. S.
SPOKANE, WASH.

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
APR 9 - 1956

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-4243
Metal or Mineral Uranium
Date Received 4-9-56
Estimated Cost this amount given
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: RAY JENSEN
BOX 246
FAIRFIELD MONT.

(*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
MINERAL DEPOSIT CLAIM, SURVEY NO. 543
SECTION 8, T. 8 No. R. 5 WEST
TEN MILE UNORGANIZED MINING DISTRICT LEWIS-CLARK Co.

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise LESSEE

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

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

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

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

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

(*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. Roads fair. 17 miles to R.R. shipping point. Helena, Mont.

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

16—66551-1

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

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

(*c*) The work will start within 30 days and be completed within 5 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)? yes

(*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 March 20, 1956

Ray Jensen
(Applicant)

By

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

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APR 9 - 1956

(a) There hasn't been any work done on this Claim since 1942. The only mine opening is a vertical shaft 40 ft. deep with a 40 ft. drift from the bottom of shaft. There is a good ladder down the shaft for examination purposes.

(c) The deposit is a vein with a dip of about 75°. There is ore in place in the vein and in the wall rock. I found ore in the dump which assayed 6% uranium. Mr. L. D. Jarrard of the A.E.C. office in Butte did the assay. Mr. Jarrard was out to look at the claim but did not go down the shaft as there was water in it at that time, later Mr. Moore and another Geologist from the Butte Office were down the shaft and suggested drifting in to the vein from down at the creek bed. They said they couldn't see any reason why I shouldn't be able to get a D.M.E.A. Loan.

As soon as some of the snow melts Mr. Virgil Chamberlain a Geologist from Great Falls will make a Geologic report and I will send it to you.

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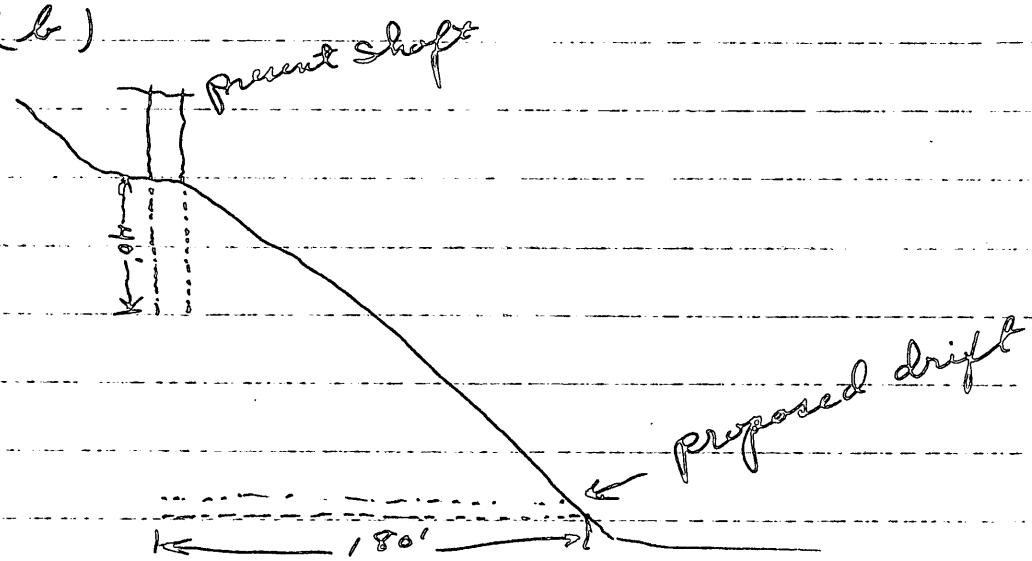
APR 9 - 1956

(b)



(d) The work would be contracted to Mr. Jack Hampton of Helena. He has the necessary mining equipment and He has had years of experience mining.

-6-

(a) Mr. Hampton said he would contract the drifting for twenty five dollars ($25.00) per ft., and the timbering for five dollars ($5.00) per ft.

RECEIVED
JUN 14 1956

PRELIMINARY GEOLOGY REPORT

MINERAL DEPOSIT CLAIM
DMEA-4243
TEN MILE DISTRICT - RIMINI

LEWIS AND CLARK COUNTY, MONTANA

Virgil R. Chamberlain June, 1956

PRELIMINARY GEOLOGY REPORT

MINERAL DEPOSIT CLAIM

TEN MILE DISTRICT - RIMINI

LEWIS AND CLARK COUNTY, MONTANA

INTRODUCTION

This report was made at the request of Mr. Ray Jenson, Fairfield, Montana, to obtain information relative to his claims in the Rimini district near the junction of Ten Mile and Banner Creeks. Mr. Jenson had found rocks containing a high amount of radio activity scattered through the dumps of old workings in this area. He was interested in finding the best approach in finding additional deposits of the uranium and lead mineralization and the most economical method of exploration.

Method

A reconnaissance Brunton - Aneroid survey was made of the surface pits and the older workings on the claim. Prior to Mr. Jenson's recent surface operations, considerable tunneling and some mining had been done on the lead - silver vein. Most of these workings are very old and were probably mined during the early 1900's and possibly earlier.

Recent work has been done by Mr. Jenson along the outcrop which has been exposed by bulldozing operations. The last actual mining in the area was performed in 1942 when the shaft near the north point of the vein outcrop was sunk for a distance of 40 feet and a drift driven 40 feet to the east.

VIRGIL R. CHAMBERLAIN
CONSULTING GEOLOGIST
GREAT FALLS, MONTANA

There is some evidence of stoping. This work is still accessible and a map of this working is included with the report.

Exhibits

This report contains three exhibits. The first exhibit is an index map showing the location of the town of Rimini, and the area of interest in this report. Exhibit No. 2 is a plan view showing the relationship of the surface workings both old and new. Exhibit No. 3 contains two cross sections; one looking east or at right angles to the strike of the vein and shows the position of the workings at right angles to the vein. The same exhibit shows a cross section looking south showing the relative elevations of the new and older workings along the strike of the vein.

Geology

The surface rock in this area is quartz monzonite which has been intruded by quartz veins containing a high amount of lead sulphides. The predominate mineral in these veins appears to be galena although some lead carbonate is exposed in the eroded outcrop. The vein strikes nearly east - west (North 86° West) and dips from 86 to 76° south. Mineralization is from six inches to an estimated three feet as judged by the older workings. The principal ore mineral is lead but it is probable that there is also a fairly high silver content. This conclusion is based on the fact that in the early days of the

workings it would not have paid to mine the vein for lead alone. The writer has seen no assays of the vein material.

There is no radio activity in the bulldozer cut opened by Mr. Jenson. There is some high grade uranite-type ore on the dump near the surface shaft. There is also some high grade uranium mineralization along the hanging wall and in the floor of the 40 foot level. Many of these individual showings are considerably above the ore grade. Mr. Jenson had samples sent in for analysis which contained 7% U_3O_8. Some samples of uranium mineralization were also found in the dumps of the lower workings. It seems possible that uranium ore is occurring in stringers in the hanging wall and possibly in the foot wall of the lead vein.

Work to Date

All work prior to 1942 consisted of a series of adits driven east at an elevation of approximately 50 feet above the Ten Mile Creek. These workings are all caved and inaccessible. From surface examination, some stoping is indicated. In 1942 an incline shaft was sunk on a vein to a depth of 40 feet and a drift driven easterly along the vein for a distance of 42 feet. Limited stoping was done off this drift. The latter workings are still accessible. It was a high grade uranium ore found on the dump of the surface shaft that first interested Mr. Jenson in this claim. At approximately 40 foot level west of the shaft Mr. Jenson has made a bulldozer cut along the hillside. This cut exposed a quartz vein with lead sulfide values but no U_3O_8 content.

Future Methods of Exploration

It is impossible to know the extent of older workings as they are now inaccessible. To my knowledge, there are no records or maps of any of these older workings. Some mining was done probably primarily for silver content. An attempt was made to sink a winze at the creek level. It is not known what depth this winze reached as it is filled to the collar with water and the lower part is caved. As the dump for this winze as well as the lower workings is in the flood plain of Ten Mile Creek much of the dump for this mining operation could have been washed away.

It appears from a preliminary examination that the best uranium ore content came from the hanging wall side of the vein. Mineralization appeared to be spotty.

There seems to be two methods of exploratory work. A series of wagon drill holes could be drilled to intersect the vein at depth. A wagon drill with a large compressor can reach a depth of approximately 250 feet with no difficulty unless a large amount of water is encountered. By late summer this method of exploration might be feasible. The holes would have to be relatively closely spaced and samples should be caught at two foot intervals and examined under a microscope for mineral content and checked for radiation. A radio-metric log of the hole could be made.

Another method of exploration would be to drive a lateral east along the hanging wall side of the vein for a distance of approximately 180 feet. The lateral

should begin at the lowest elevation of vein exposure but far enough above Ten Mile Creek so as not to be readily flooded. Cross cuts or drill holes could be drilled northerly periodically to test whether or not the vein had been worked. As soon as older workings are bypassed, the lateral could be turned and drifts could be driven along the vein.

The price for driving a lateral or drifts would run approximately $25 a foot. The cost of drilling drill holes would vary as to the depth drilled and will begin at approximately a dollar a foot for the first 50 feet and up to near $5 a foot per hole at 300 feet. It would also be possible to cross cut from down on the Banner Creek side of mineralization in under the present shaft. However, there would be a large amount of surface soil and boulders present for the first 50 feet of such a cross cut and such a cut would have to be driven entirely in waste until the vein was intersected. Of course, this method of reopening would explore the foot wall for any additional veins. Either of the above exploratory methods are applicable to this property. I believe that driving the lateral with cross cuts at intervals into the foot and hang wall would best explore and develop this property.

Respectfully submitted,

Virgil R. Chamberlain

Virgil R. Chamberlain
June, 1956

VIRGIL R. CHAMBERLAIN
CONSULTING GEOLOGIST
GREAT FALLS, MONTANA

EXHIBIT NO. 1

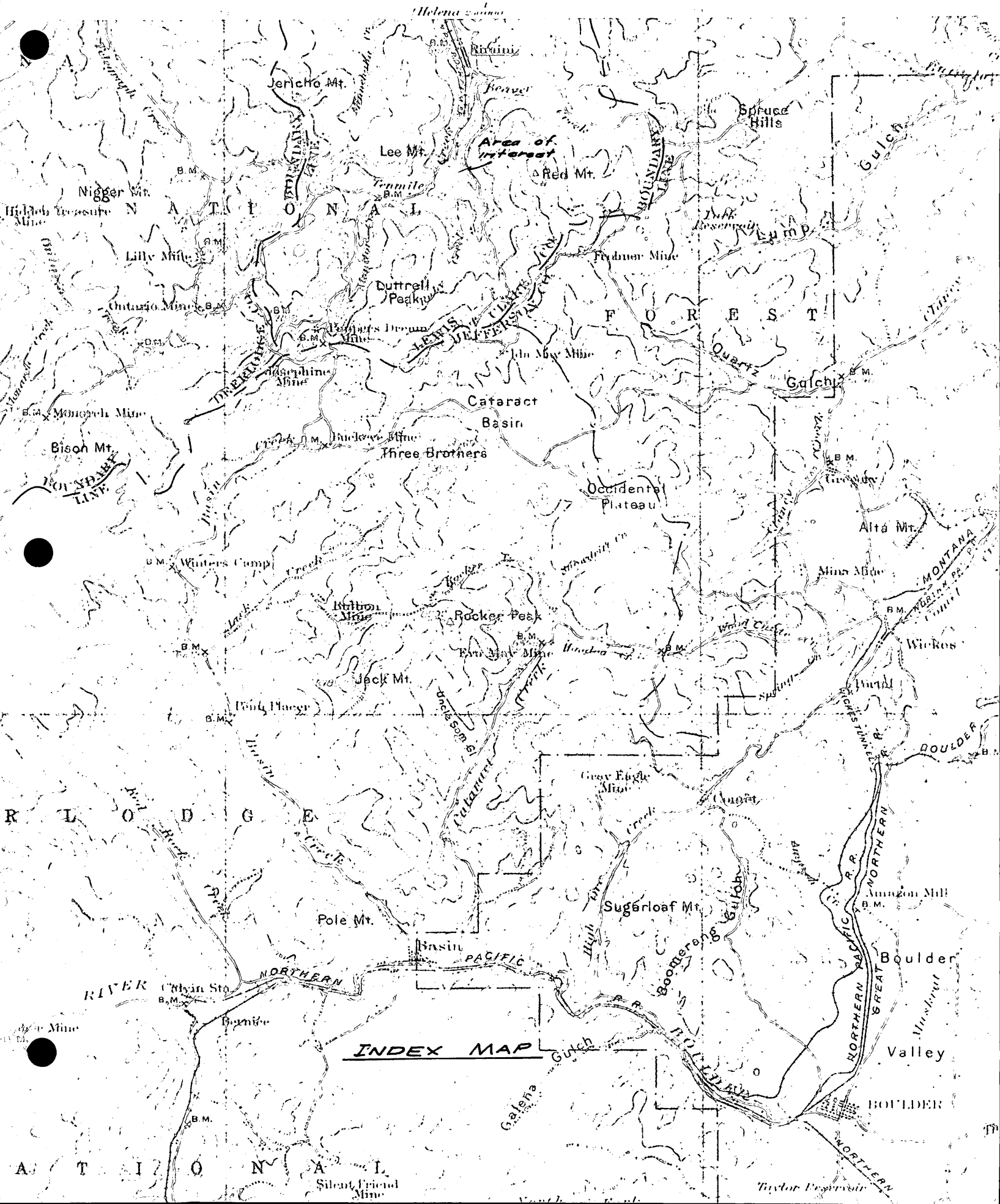
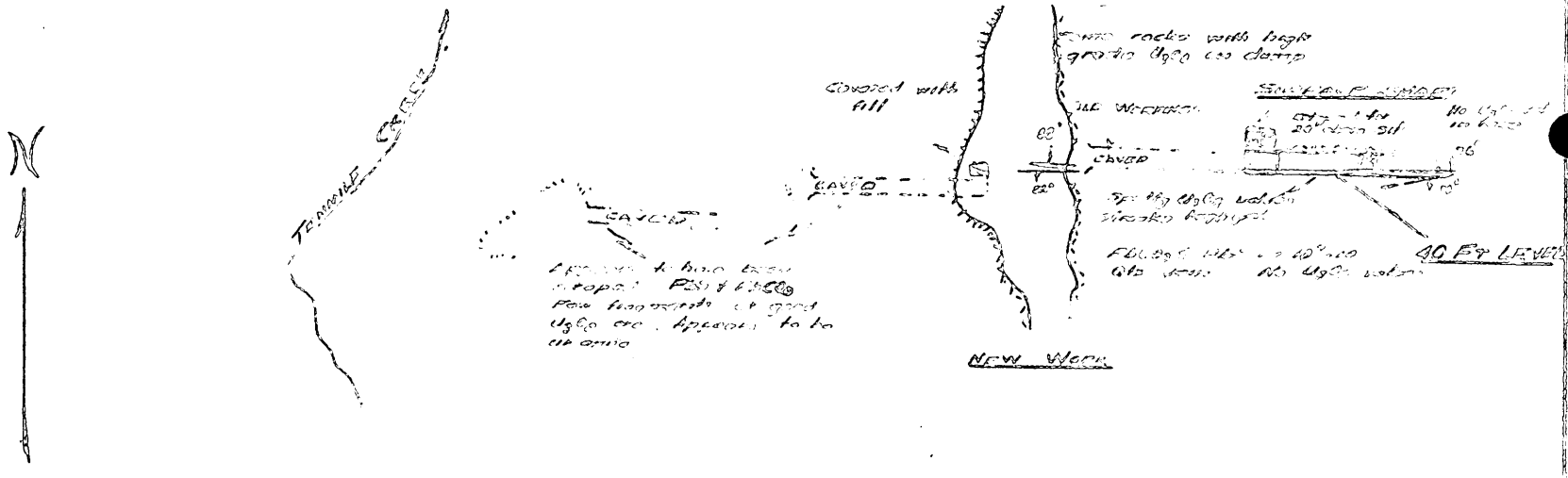

Jericho Mt.
Lee Mt.
Area of interest
Red Mt.
Spruce Hills
Nigger Mt.
Hidden Treasure Mine
N A T I O N A L
Lilly Mine
Ontario Mine
Duttrell Peak
Frohner Mine
Lump
F O R E S T
Quartz Gulch
Cataract Basin
Three Brothers
Bison Mt.
Occidental Plateau
Alta Mt.
Winters Camp
Rocker Peak
Jack Mt.
Wickes
Pole Mt.
Sugarloaf Mt.
Boomerang Gulch
Boulder
Valley
BOULDER
Galena Gulch
INDEX MAP
A T I O N A L
Silent Friend Mine
Taylor Reservoir

EXHIBIT NO. 2



PLAN VIEW

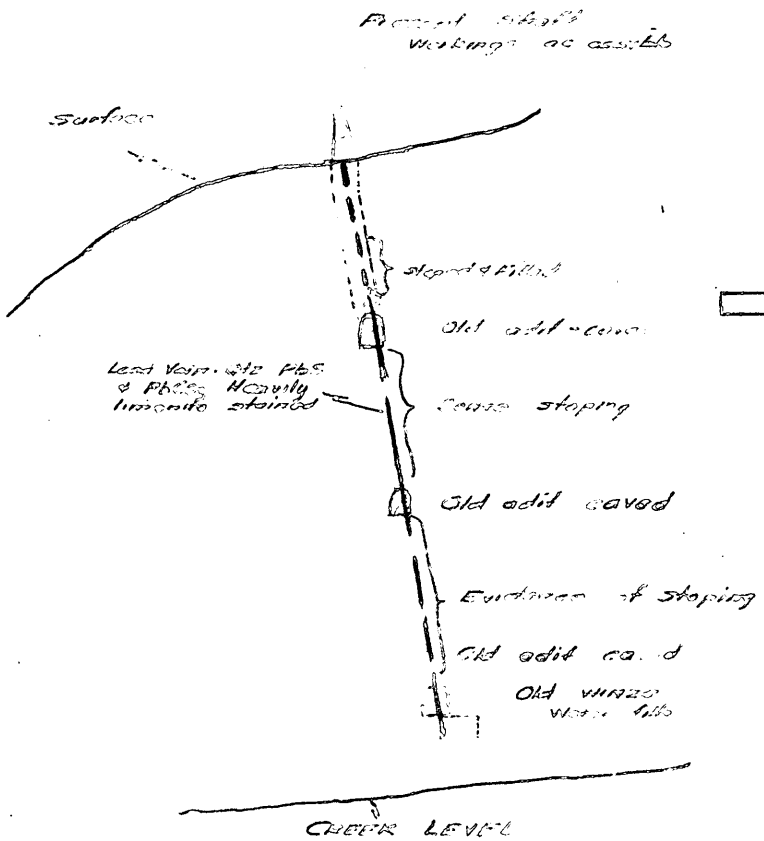
RAY JENSON
FAIRFIELD, MONT.

MINERAL DEPOSIT CLAIM

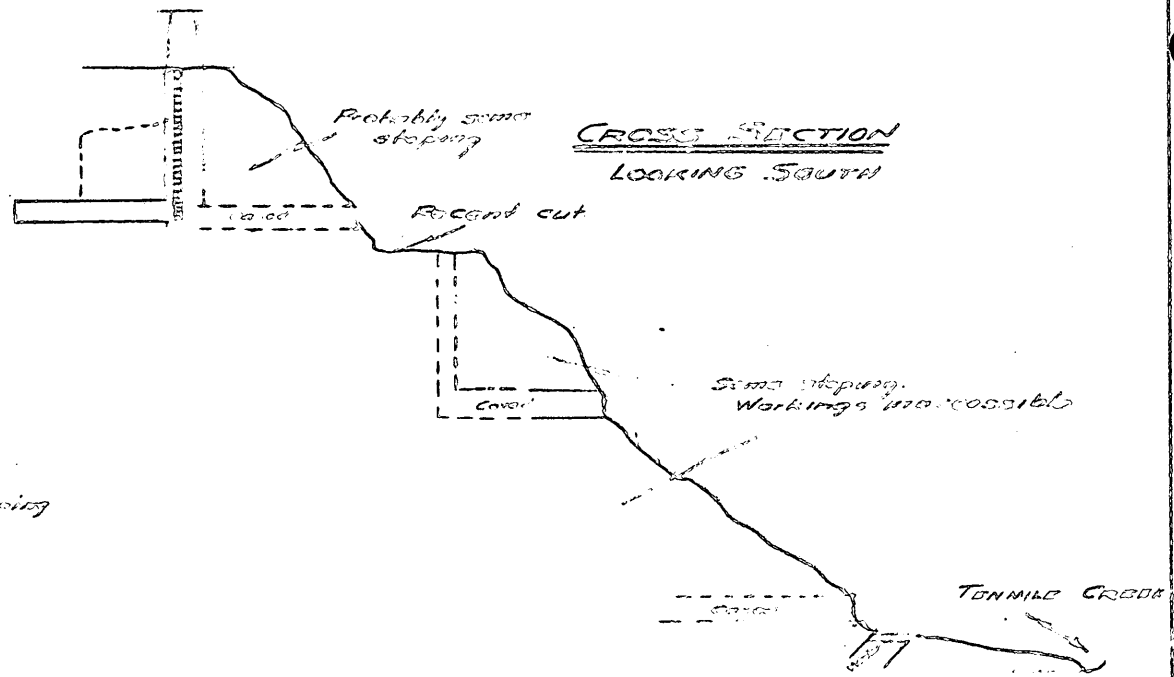
TENMILE MINING DISTRICT
LEWIS & CLARK CO., MONT.

Bearing - Approx. South

EXHIBIT NO. 9



CROSS SECTION - LOOKING EAST



CROSS SECTION
LOOKING SOUTH

RAY SECTION
FAIRFIELD, MONT.

MINERAL DEPOSIT CLAIM

TEN MILE MINING DIST.
LEWIS & CLARK CO., MONT.

BRUNTON AND SUNSTROKE
SCALE 1" = 50'

SLAO:DLD:af

September 27, 1956

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

Re: Docket No. DMEA-4243
(Uranium)

Dear Mr. Weissenborn:

We concur in your evaluation of the Ray Jensen Mineral Deposit property in Lewis and Clark County, Montana.

There are many such small base metal sulphide vein occurrences in the Boulder batholith which contain spotty uranium minerals. To date, none of these has proved economic. The narrow width of the veins at the subject property probably precludes an economic operation even if additional similar material were found.

Very truly yours,

Arthur E. Granger, Manager
Salt Lake Area Office

cc: Wayne Moon, AEC, Butte