DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

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DMA Docket No. 3466

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To:	400	Date	8/30/54
To:	Oper Comm	Date	9-10-54
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NOV 4 - 1954

Mr. William Schierding
President and General Manager
Mineral Exploration and Production, Inc.
Yellow Pine, Idaho

Re: Docket No. DMEA 3466 - Tungsten
Emma claims
Valley County, Idaho

Dear Mr. Schierding:

Your application for aid for an exploration project and other data available to us in Washington concerning the above-referenced 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 the occurrence of tungsten 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. Under these circumstances, we regret to advise you that your application is denied.

Our denial, however, is made without prejudice to the property. If at some future date additional prospecting finds evidence of significant tungsten mineralization, we shall be glad to consider a revised application for exploration assistance. The revised application should contain all of the necessary supporting data required by form MF-103 and refer to the present docket.

Sincerely yours,

C. O. Mittendorf

Administrator

FARutledge:foc
10-29-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. REG. II
R. W. Geehan, USBM
Thor H. Kiilsgaard, USGS

October 29, 1954

Memorandum

To: Administrator, DMEA

From: Chief, Iron and Ferro-Alloys Division, DMEA

Subject: Denial of exploration project in the amount of $50,000.00
Docket No. DMEA 3466 - Tungsten
Mineral Exploration and Production, Inc.
Emma claims
Valley County, Idaho

The denial of the subject application by this Division is based on the following information:

1. The applicant proposed to explore for scheelite mineralization in a tactite located about 4½ miles southeast of Yellow Pine, Idaho. The tactite was said to be embedded in granite and have a northwest strike and bedding planes dipping to the northeast at 65 degrees. Deposition of the scheelite was thought possibly to be localized by north-south fissuring in the tactite.

Stage I of the exploration program consisted of diamond drilling to test the extensions of the tactite outcrop. This work was to be followed by drilling at greater depths and tunneling if the results of the first stage were favorable.

2. The project site was examined by a joint Bureau of Mines Geological Survey field team on October 1, 1954; Mr. William Schierding, president and general manager of Mineral Exploration and Production, Inc., accompanied the field team during the examination. As a result of the examination, it was determined that the outcrop of tactite was not in place.

3. The applicant does not hold this opinion, however, and plans on drilling several short diamond drill holes next spring to prove the extension of the tactite. By letter of October 2, 1954, Mr. Schierding requested the Field Team to hold the subject application in abeyance until next spring awaiting the results of the proposed prospecting program. The examining field team recommended that this action be taken.

4. The Field Team recommended that the subject application be denied without prejudice and the applicant advised to file a revised application if the results of the proposed prospecting are favorable.

5. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in the denial without prejudice.

W. S. Martin, Chief
Iron and Ferro-Alloys Division

FARutledge:fec
10-28-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.

IN REPLY REFER TO:

400

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 2 - 1954

November 1, 1954

Re: DMEA-3466
Mineral Exploration and
Production, Inc.
(Bunn Claims)
Valley Co., Idaho
$50,000
Tungsten

Memorandum

To: W. E. Martin
Defense Mineral Exploration Administration

From: E. L. Newcomb
U. S. Geological Survey

Subject: Concurrence with Field Team recommendation for denial.

The field examination indicated that exposures of tungsten mineralization were not in place. Considerable talus and boulder material occurs in the area of the proposed exploration.

The conclusions of the examiners appear to be well founded and I concur with their recommendation for denial.

In the event that the applicant does the drilling mentioned in the Field Team report and submits positive evidence of mineralization in bedrock, then further consideration should be taken on this application.

E. L. Newcomb

ELNewcomb:edf

Copy to: Director;s reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
R. W. Geehan, 3513

400

XXXXXXXXXXXXXXXXXXX
So. 157 Howard Street
Spokane 4, Washington

October 7, 1954

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

WSM

Re: Docket No. DMEA-3466 (tungsten)
Mineral Exploration and Production, Inc.
Emma Group
Valley County, Idaho

Dear Mr. Selfridge:

Enclosed is a memorandum by Willard P. Puffett, Geological Survey, and Webster S. Anderson, Bureau of Mines, dated October 6, 1954, on the Emma group of claims belonging to Mineral Exploration and Production, Inc., Valley County, Idaho.

On examining the property Puffett and Anderson reached the conclusion that the exposure of tactite is not in place. Mr. Schierding, president and manager of Mineral Exploration and Production, Inc., disagreed with this but, after some discussion, he stated that he plans on drilling a few short holes next spring to determine whether or not the tactite is in place. A copy of his letter to this effect is attached.

Puffett and Anderson recommend that the application be kept open until next spring to give Mr. Schierding time to do this.

The Field Team has no great objection to this procedure but believes that it might be preferable to deny the application on the basis that the present showings are inconclusive and do not permit an exploration program to be planned but at the same time inform Mr. Schierding that the application could be reactivated merely by writing us and giving the results of any drilling or other work which he may have done. We prefer this because it would close the docket unless more work is done and make Mr. Schierding responsible for initiating any further action.

By Field Team, Region II

Reviewed by
DMEA OPERATING COMMITTEE

10-22-54
(date)

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

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

cc: BLM (2)
Puffett
USGS (SRO)
Enclosures

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

October 11, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: Willard P. Puffett, Geologist, Geological Survey, and Webster S. Anderson, Engineer, Bureau of Mines

Subject: Docket No. DMEA-3465 (tungsten), application examination, Mineral Exploration and Production, Inc., Emma Group, Valley County, Idaho.

APPLICANT

MINERAL EXPLORATION AND PRODUCTION, INC.
Yellow Pine, Idaho

RECOMMENDATIONS

It is recommended that the application be held in abeyance until the applicant completes additional preliminary exploratory work. The applicant plans to do this work early in the spring of 1955, after which he will notify the Field Team if he is still desirous of obtaining DMEA assistance.

EXAMINATION

Webster S. Anderson, engineer, Bureau of Mines, and Willard P. Puffett, geologist, Geological Survey, examined the applicant's property on Friday afternoon and evening, October 1, 1954. Mr. William Schierding, president and general manager of Mineral Exploration and Production, Inc., furnished transportation from Yellow Pine, Idaho, and accompanied the examiners on their examination.

PROPERTY

The Emma group comprises 12 unpatented claims, most of which are in secs. 10 and 15, T. 18 N., R. 8 E., B.M., Valley County, Idaho. The claims are held by right of location.

Reviewed by
DMEA OPERATING COMMITTEE
10-22-54
(date)

LOCATION AND ACCESSIBILITY

The applicant's property is about 4½ miles southeast of Yellow Pine, Idaho. It can be reached by taking the main road south from Yellow Pine to the Riordan Creek Road, which branches to the east, then following the steep Riordan Creek Road (or Idaho Power Line Road) for about 1½ miles to the applicant's new bulldozer road which winds to the left up several switchbacks to near the top of a prominent bare ridge. It is necessary to use a four-wheel drive vehicle to traverse the Riordan Creek Road and the applicant's bulldozer road. The elevation at the end of the road is some 1,900 feet higher than Yellow Pine, Idaho.

GEOLOGY

The applicant directed the examiners to an exposure of tactite rock in the roadcut near the extreme upper extension of the newly bulldozed road. This exposure of rock is about 7 feet high and about 9 feet long, either end of which is obscured by loose rock material which mantles most bedrock exposures in the near vicinity.

The rock is composed of interbedded biotite schist and greenish-to-gray tactite, containing fine-grained epidote and reddish-amber garnets. The main portion of the rock is a fine-grained calc-silicate of some type, probably a metamorphosed dolomitic rock. The foliation in the schist and the general trend of the bands in the tactite strikes N. 42° W. and dips 45° to 50° N. A few tiny grains of scheelite were seen that apparently joined parallel to the bedding, but nothing of ore grade was in evidence. Mr. Schierding stated that this rock represented the outcrop of what he hoped would be proved to be a larger body of commercial tungsten-bearing rock.

The examiners obtained the impression that the above-described rock was an angular boulder and did not represent bedrock material. Along the roadcut, to either side of the exposure, are many boulders variously oriented, containing coarse-grained, leucocratic granodiorite, garnet tactite, biotite schist, and greenish coarse-grained marble. In some of the granodiorite boulders are xenoliths of biotite-rich gneiss, from 1 to 3 inches in diameter.

About 300 feet east of the tactite exposure is jointed, fine-grained quartzite, and east of this is finely foliated biotite schist and fine-grained granodiorite, apparently exposures of bedrock. Along the road a few tens of feet farther east is an exposure of finely banded tactite with a few narrow bands of granular marble. The broken rock along the road near this tactite contains boulders of epidote and dull amber-colored garnet. A few grains of scheelite were seen in tactite near the bands of marble.

Approximately 300 feet east and 70 feet higher in elevation than the tactite exposure which Mr. Schierding first pointed out is a boulder of tactite which may represent bedrock. The bands in this rock strike N. 20° W. and dip 25° N.

Bedrock is exposed on the bare ridge, about 150 feet above the road where the first tactite was seen. This rock is very coarse-grained granodiorite, which contains practically no mafic minerals. There are several inclusions of well-bedded argillaceous to quartzitic material in the granodiorite. The largest of these inclusions is about 10 feet long and 2 to 3 feet thick. The foliation or bedding in these inclusions strikes N. 15° W. and dips 28° N.

The hillslope below the tactite exposure in the roadcut is covered with very coarse talus, the blocks averaging about 1 foot in diameter. Thus it was impossible to inspect any bedrock exposures in this area.

APPLICANT'S PROPOSAL

The applicant proposes to drill several diamond drill holes to explore for extensions of the tactite exposed in the road cut. If this work is successful, he plans to drive a crosscut to explore it at depth.

Mr. Schierding was advised by the examiners that they had reason to doubt that the tactite in the roadcut represented bedrock material and thus at the present time there was little justification for further work.

The applicant stated that he plans to drill at least four short holes next spring to prove the extension of the tactite. He will notify DMEA when this work is completed and will save his diamond drill core for inspection by DMEA examiners. If the drilling is successful, he desires further consideration of his original proposal.

Distribution:
DMEA (4)
USBM (2)
USGS(SRO)
Docket
Puffett

COPY COPY

MINERAL EXPLORATION & PRODUCTION, INC.
MINES AND OFFICE AT
YELLOW PINE, IDAHO

Oct. 2, 1954.

Mr. A. E. Weissenborn,
Executive Officer, DMEA.
Spokane, Wash.

Re: Docket No. DMEA 3466
Tungston, Emma Group,
Valley County, Idaho.

Dear Mr. Weissenborn:--

Your field team, Mr. Anderson and Mr. Puffett, were here yesterday on schedule, to examine the Emma group in connection with our application for a defense minerals exploration loan.

In our application, I stated under 4,c. "A discovery of scheelite in place was made in an altered lime formation - a garnit-rich tactite." By this I meant to be understood that the tactite in which the scheelite occurs is in place. I am qualified to make that statement and I am ready to prove this to be correct.

Your examiners expressed their doubt that I am correct, they appear to believe that the tactite is not in place.

I also stated in the application under 4,c. "It has not been established if the scheelite follows the course of the tactite (meaning the bedding planes) or if it follows the North-South fissuring in and through the tactite in which it is found. It is the intention to prove this by diamond core drilling."

Your examiners expressed the belief that the scheelite will follow the bedding planes of the tactite. If this proves correct, it will be to the good of the property.

It is too late in the season now to move drilling equipment to the property and start core drilling to prove my contention that the tactite with the scheelite is in place, as we already had snow up there and expect more any day.

In this connection I kindly ask you to hold our application in abeyance until early next spring, when we will diamond core drill on the property to prove my contention and to determine the quality, width and depth of the scheelite deposit.

Your DMEA will then be in better position to decide on whether our exploration project will merit government support.

Kindly advise me at your convenience after your field team's report.

Very truly yours

/s/ M. SCHLEMMING Pres. Mgr.

400

XXXXXXXXXXXXXXXXXX
So. 157 Howard Street
Spokane 4, Washington

October 7, 1954

Mr. William Schierding, President
and Manager
Mineral Exploration and Production, Inc.
Yellow Pine, Idaho

Re: Docket No. DMEA-3466 (tungsten)
Mineral Exploration and Production, Inc.
Emma Group
Valley County, Idaho

Dear Mr. Schierding:

This will acknowledge your letter of October 2, 1954, requesting that your application for exploration of the Emma property be kept open until early next spring in order to permit you to do core drilling.

After discussion with Mr. Puffett and Mr. Anderson, we agree that after the drilling you propose is complete we will be in a better position to appraise the property. We are inclined to doubt that the application can be kept open until spring but we wish to point out that we would be able to reconsider the application at any time you procure additional evidence on the potentialities of the property, either through diamond drilling or by other means.

Sincerely yours,

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

cc: DMEA (2)
USBM (2)
Puffett

400

SEP 10 1954

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

Re: Docket No. DMEA 3466 - Tungsten
Mineral Exploration & Production, Inc.
Emma claims
Valley County, Idaho

Dear Mr. Weissenborn:

Reference is made to the subject docket and your letter of August 23, 1954, which states that a field examination of the property will be scheduled as soon as possible.

We will, therefore, hold this application in abeyance until the report and recommendations by the Field Team are received.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

cc: DOCKET
FT, REG. II
CODE 400
OPER. COMM.
ADM. READ. FILE
R. W. GEEHAN, USBM
T. KIILSGAARD, USGS

FARutledge/ls
9-7-54

Code 400

400

SEP 10 1954

Mr. William Schierding
President and General Manager
Mineral Exploration and Production, Inc.
Yellow Pine, Idaho

Re: Docket No. DMEA 3466 - Tungsten
Emma claims
Valley County, Idaho

Dear Mr. Schierding:

The above-docketed application for exploration assistance has been reviewed by the Iron and Ferro-Alloys Division of the Defense Minerals Exploration Administration and referred to Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region II, South 157 Howard Street, Spokane, Washington, for a field examination of the property.

Any assistance that you can render the members of the Field Team will be appreciated.

Sincerely yours,

E. O. Mittendorf

Administrator

cc: DOCKET
FT, REG. II
CODE 400
ADM. READ. FILE
OPER. COMM.
R. W. GEEHAN, USBM
T. KIILSGAARD, USGS

FARutledge/ls 9-7-54

DOCKET SURNAME

400

Rutledge
Martin
Geehan
Newcomb
Kulogaard
Hedges
Selfridge

NOV 4 - 1954

Mr. William Schierding
President and General Manager
Mineral Exploration and Production, Inc.
Yellow Pine, Idaho

Re: Docket No. DMEA 3466 - Tungsten
Emma claims
Valley County, Idaho

Dear Mr. Schierding:

Your application for aid for an exploration project and other data available to us in Washington concerning the above-referenced 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 the occurrence of tungsten 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. Under these circumstances, we regret to advise you that your application is denied.

Our denial, however, is made without prejudice to the property. If at some future date additional prospecting finds evidence of significant tungsten mineralization, we shall be glad to consider a revised application for exploration assistance. The revised application should contain all of the necessary supporting data required by form MF-103 and refer to the present docket.

Sincerely yours,

C. O. Mittendorf

Administrator

FARutledge:foc
10-29-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. REG. II
R. W. Geehan, USBM
Thor H. Kiilsgaard, USGS

P.C.G.

Docket

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 2 - 1954

November 1, 1954

WSM

Re: DMEA-3466
Mineral Exploration and
Production, Inc.
(Emma Claims)
Valley Co., Idaho
$50,000
Tungsten

Memorandum

To: W. S. Martin
Defense Mineral Exploration Administration

From: E. L. Newcomb
U. S. Geological Survey

Subject: Concurrence with Field Team recommendation for denial.

The field examination indicated that exposures of tungsten mineralization were not in place. Considerable talus and boulder material occurs in the area of the proposed exploration.

The conclusions of the examiners appear to be well founded and I concur with their recommendation for denial.

In the event that the applicant does the drilling mentioned in the Field Team report and submits positive evidence of mineralization in bedrock, then further consideration should be taken on this application.

E. L. Newcomb

E. L. Newcomb

Copy retained 400

DOCKET
SURNAME
Rutledge
Martin
Gehan
Newcomb

400

October 29, 1954

Memorandum

To: Administrator, DMEA

From: Chief, Iron and Ferro-Alloys Division, DMEA

Subject: Denial of exploration project in the amount of $50,000.00
Docket No. DMEA 3466 - Tungsten
Mineral Exploration and Production, Inc.
Emma claims
Valley County, Idaho

The denial of the subject application by this Division is based on the following information:

1. The applicant proposed to explore for scheelite mineralization in a tactite located about 4½ miles southeast of Yellow Pine, Idaho. The tactite was said to be embedded in granite and have a northwest strike and bedding planes dipping to the northeast at 65 degrees. Deposition of the scheelite was thought possibly to be localized by north-south fissuring in the tactite.

Stage I of the exploration program consisted of diamond drilling to test the extensions of the tactite outcrop. This work was to be followed by drilling at greater depths and tunneling if the results of the first stage were favorable.

2. The project site was examined by a joint Bureau of Mines Geological Survey field team on October 1, 1954, Mr. William Schierding, president and general manager of Mineral Exploration and Production, Inc., accompanied the field team during the examination. As a result of the examination, it was determined that the outcrop of tactite was not in place.

3. The applicant does not hold this opinion, however, and plans on drilling several short diamond drill holes next spring to prove the extension of the tactite. By letter of October 2, 1954, Mr. Schierding requested the Field Team to hold the subject application in abeyance until next spring awaiting the results of the proposed prospecting program. The examining field team recommended that this action be taken.

R.C.G.

4. The Field Team recommended that the subject application be denied without prejudice and the applicant advised to file a revised application if the results of the proposed prospecting are favorable.

5. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in the denial without prejudice.

W. S. Martin, Chief
Iron and Ferro-Alloys Division

FARutledge:foc
10-28-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.

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

October 29, 1954

Memorandum

To: Administrator, DMEA

From: Chief, Iron and Ferro-Alloys Division, DMEA

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Emma claims
Valley County, Idaho

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5. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in the denial without prejudice.

W S Martin

W. S. Martin, Chief
Iron and Ferro-Alloys Division

Docket

XXXXXXXXXXXXXXXXX
So. 157 Howard Street
Spokane 4, Washington

October 7, 1954

WSM

Mr. William Schierding, President
and Manager
Mineral Exploration and Production, Inc.
Yellow Pine, Idaho

Re: Docket No. DMEA-3466 (tungsten)
Mineral Exploration and Production, Inc.
Emma Group
Valley County, Idaho

Dear Mr. Schierding:

This will acknowledge your letter of October 2, 1954, requesting that your application for exploration of the Emma property be kept open until early next spring in order to permit you to do core drilling.

After discussion with Mr. Puffett and Mr. Anderson, we agree that after the drilling you propose is complete we will be in a better position to appraise the property. We are inclined to doubt that the application can be kept open until spring but we wish to point out that we would be able to reconsider the application at any time you procure additional evidence on the potentialities of the property, either through diamond drilling or by other means.

Sincerely yours,

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

cc: DMEA (2)
USBM (2)
Puffett

Copy received 430

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Docket

October 7, 1954

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

WSM

Re: Docket No. DMEA-3466 (tungsten)
Mineral Exploration and Production, Inc.
Emma Group
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By Field Team, Region II

A. E. Weissenborn

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

closed O C
10/22/54
JJR

Thomas E Howard

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

cc: USBM (2)
Puffett
USGS (SRO)
Enclosures

K. Mere

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

Defense Minerals Exploration Administration
Received
OCT 18 1954

October 11, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: Willard P. Puffett, Geologist, Geological Survey, and Webster S. Anderson, Engineer, Bureau of Mines

Subject: Docket No. DMEA-3465 (tungsten), application examination, Mineral Exploration and Production, Inc., Emma Group, Valley County, Idaho.

APPLICANT

MINERAL EXPLORATION AND PRODUCTION, INC.
Yellow Pine, Idaho

RECOMMENDATIONS

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GEOLOGY

The applicant directed the examiners to an exposure of tactite rock in the roadcut near the extreme upper extension of the newly bulldozed road. This exposure of rock is about 7 feet high and about 9 feet long, either end of which is obscured by loose rock material which mantles most bedrock exposures in the near vicinity.

The rock is composed of interbedded biotite schist and greenish-to-gray tactite, containing fine-grained epidote and reddish-amber garnets. The main portion of the rock is a fine-grained calc-silicate of some type, probably a metamorphosed dolomitic rock. The foliation in the schist and the general trend of the bands in the tactite strikes N. 42° W. and dips 45° to 50° N. A few tiny grains of scheelite were seen that apparently joined parallel to the bedding, but nothing of ore grade was in evidence. Mr. Schierding stated that this rock represented the outcrop of what he hoped would be proved to be a larger body of commercial tungsten-bearing rock.

The examiners obtained the impression that the above-described rock was an angular boulder and did not represent bedrock material. Along the roadcut, to either side of the exposure, are many boulders variously oriented, containing coarse-grained, leucocratic granodiorite, garnet tactite, biotite schist, and greenish coarse-grained marble. In some of the granodiorite boulders are xenoliths of biotite-rich gneiss, from 1 to 3 inches in diameter.

About 300 feet east of the tactite exposure is jointed, fine-grained quartzite, and east of this is finely foliated biotite schist and fine-grained granodiorite, apparently exposures of bedrock. Along the road a few tens of feet farther east is an exposure of finely banded tactite with a few narrow bands of granular marble. The broken rock along the road near this tactite contains boulders of epidote and dull amber-colored garnet. A few grains of scheelite were seen in tactite near the bands of marble.

Approximately 300 feet east and 70 feet higher in elevation than the tactite exposure which Mr. Schierding first pointed out is a boulder of tactite which may represent bedrock. The bands in this rock strike N. 20° W. and dip 25° N.

Bedrock is exposed on the bare ridge, about 150 feet above the road where the first tactite was seen. This rock is very coarse-grained granodiorite, which contains practically no mafic minerals. There are several inclusions of well-bedded argillaceous to quartzitic material in the granodiorite. The largest of these inclusions is about 10 feet long and 2 to 3 feet thick. The foliation or bedding in these inclusions strikes N. 15° W. and dips 28° N.

The hillslope below the tactite exposure in the roadcut is covered with very coarse talus, the blocks averaging about 1 foot in diameter. Thus it was impossible to inspect any bedrock exposures in this area.

APPLICANT'S PROPOSAL

The applicant proposes to drill several diamond drill holes to explore for extensions of the tactite exposed in the road cut. If this work is successful, he plans to drive a crosscut to explore it at depth.

Mr. Schierding was advised by the examiners that they had reason to doubt that the tactite in the roadcut represented bedrock material and thus at the present time there was little justification for further work.

The applicant stated that he plans to drill at least four short holes next spring to prove the extension of the tactite. He will notify DMEA when this work is completed and will save his diamond drill core for inspection by DMEA examiners. If the drilling is successful, he desires further consideration of his original proposal.

Distribution:
DMEA (4)
USBM (2)
USGS(SRO)
Dockat
Puffett

COPY

COPY

MINERAL EXPLORATION & PRODUCTION, INC.
MINES AND OFFICE AT
YELLOW PINE, IDAHO

Oct. 2, 1954.

DMEA

Mr. A. E. Weissenborn,
Executive Officer, DMEA.
Spokane, Wash.

Re: Docket No. DMEA 3466
Tungsten, Emma Group,
Valley County, Idaho.

Dear Mr. Weissenborn:--

Your field team, Mr. Anderson and Mr. Puffett, were here yesterday on schedule, to examine the Emma group in connection with our application for a defense minerals exploration loan.

In our application, I stated under 4,c. "A discovery of scheelite in place was made in an altered lime formation - a garnit-rich tactite." By this I meant to be understood that the tactite in which the scheelite occurs is in place. I am qualified to make that statement and I am ready to prove this to be correct.

Your examiners expressed their doubt that I am correct, they appear to believe that the tactite is not in place.

I also stated in the application under 4,c. "It has not been established if the scheelite follows the course of the tactite (meaning the bedding planes) or if it follows the North-South fissuring in and through the tactite in which it is found. It is the intention to prove this by diamond core drilling."

Your examiners expressed the belief that the scheelite will follow the bedding planes of the tactite. If this proves correct, it will be to the good of the property.

It is too late in the season now to move drilling equipment to the property and start core drilling to prove my contention that the tactite with the scheelite is in place, as we already had snow up there and expect more any day.

In this connection I kindly ask you to hold our application in abeyance until early next spring, when we will diamond core drill on the property to prove my contention and to determine the quality, width and depth of the scheelite deposit.

Your DMEA will then be in better position to decide on whether our exploration project will merit government support.

Kindly advise me at your convenience after your field team's report.

Very truly yours

/s/ WM. SCHIERDING Pres. Mgr.

COPY COPY

MINERAL EXPLORATION & PRODUCTION, INC.
MINES AND OFFICE AT
YELLOW PINE, IDAHO

Oct. 2, 1954.

Mr. A. E. Weissenborn,
Executive Officer, DMEA.
Spokane, Wash.

Re: Docket No. DMEA 3466
Tungsten, Emma Group,
Valley County, Idaho.

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Kindly advise me at your convenience after your field team's report.

Very truly yours

/s/ WM. SCHERDING Pres. Mgr.

400

DOCKET
Surname:

Rutledge
Newcomb
Mulder
Selfridge
Johnson

SEP 10 1954

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

Re: Docket No. DMEA 3466 - Tungsten
Mineral Exploration & Production, Inc.
Emma claims
Valley County, Idaho

Dear Mr. Weissenborn:

Reference is made to the subject docket and your letter of August 23, 1954, which states that a field examination of the property will be scheduled as soon as possible.

We will, therefore, hold this application in abeyance until the report and recommendations by the Field Team are received.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GCS)

Approved:

J. H. Hedges
Member, Bureau of Mines (JHH)

Thor H. Kiilsgaard
Member, Geological Survey (THK)

cc: DOCKET
FT, REG. II
CODE 400
OPER. COMM.
ADM. READ. FILE
R. W. GEEHAN, USBM
T. KIILSGAARD, USGS

FARutledge/ls
9-7-54

RCH

DOCKET
Surname:
Rutledge
Newcomb
Kuehler
Kiilsgaard
Hedges
Selfridge
Johnson

SEP -10 1954

Mr. William Schierding
President and General Manager
Mineral Exploration and Production, Inc.
Yellow Pine, Idaho

Re: Docket No. DMEA 3466 - Tungsten
Emma claims
Valley County, Idaho

Dear Mr. Schierding:

The above-docketed application for exploration assistance has been reviewed by the Iron and Ferro-Alloys Division of the Defense Minerals Exploration Administration and referred to Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region II, South 157 Howard Street, Spokane, Washington, for a field examination of the property.

Any assistance that you can render the members of the Field Team will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

cc: DOCKET
FT, REG. II
CODE 400
ADM. READ. FILE
OPER. COMM.
R. W. GEEHAN, USBM
T. KIILSGAARD, USGS

FARutledge/ls 9-7-54

RGG.

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

August 30, 1954

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 - 3466 Mineral Exploration & Production, Inc.

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

August 30, 1954
Subject: DMEA-3466
Re: Exploration Assistance
The Emma Group

Minerals Exploration &
Production, Inc.
Yellow Pine, Idaho

Gentlemen:

The receipt of your application dated August 14, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3466 and referred to the Iron and Ferro Alloys Division.

Kindly refer to in any future correspondence relating to your application.

Sincerely yours,

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

August 23, 1954

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

Re: New Application (scheelite)
Mineral Exploration & Production, Inc.
The Emma Group
Valley County, Idaho

Dear Mr. Selfridge:

Enclosed are 3 copies of MF-103 submitted by Mineral Exploration and Production, Inc. One copy is being retained for our files.

A field examination will be scheduled as soon as possible as the property is in the Yellow Pine, Idaho, area, at a fairly high altitude, and snow can be expected earlier this year.

Sincerely,

Verne C. Fryklund

Verne C. Fryklund
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosure

cc: USBM (2)
Puffett

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

August 23, 1954

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

Re: New Application (scheelite)
Mineral Exploration & Production, Inc.
The Emma Group
Valley County, Idaho

Dear Mr. Selfridge:

Enclosed are 3 copies of MF-103 submitted by Mineral Exploration and Production, Inc. One copy is being retained for our files.

A field examination will be scheduled as soon as possible as the property is in the Yellow Pine, Idaho, area, at a fairly high altitude, and snow can be expected earlier this year.

Sincerely,

Verne C. Fryklund
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosure

cc: USBM (2)
Puffett

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

August 23, 1954

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

Re: New Application (scheelite)
Mineral Exploration & Production, Inc.
The Ruma Group
Valley County, Idaho

Dear Mr. Selfridge:

Enclosed are 3 copies of MF-103 submitted by Mineral Exploration and Production, Inc. One copy is being retained for our files.

A field examination will be scheduled as soon as possible as the property is in the Yellow Pine, Idaho, area, at a fairly high altitude, and snow can be expected earlier this year.

Sincerely,

Verne C. Fryklund
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosure

cc: USGS (2)
Puffett

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
AUG 19 1954
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. 3466
Metal or Mineral Tungsten
Date Received
Estimated Cost $50,000
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: Mineral Exploration & Production, Inc.
Yellow Pine, Idaho.
Incorporated under the Laws of Idaho, on May 13, ~~1~~ 1953.

(*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. as above

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

(*d*) If a partnership, add to the above statement the names and addresses of all partners. Not Applicable

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 The Emma group of 12 lode mining claims, located in Yellow Pine Mining District, Valley County, Idaho.

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise This company is owner of the property.

(*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. Not applicable.

(*e*) If you own the land, describe any liens or encumbrances on it No liens or any other encumbrances are against the property.

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

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

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. Not applicable.

(*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. See accompanying paper,

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

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

16—66551-1

Manpower, Material, Supplies, and part of the needed equipent is available here in Yellow Pine, Riordan Creek with abundance of Water crosses the property and so does the power line of the Idaho Power Co.

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

(*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. See accompanying paper,

(*c*) The work will start within 10 days and be completed within 18 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. See accompanying paper

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: also

(*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.). See accompanying paper,

(*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. See accompanying paper,

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

(*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. See accompanying paper,

(*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. See accompanying paper,

(*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. also,

(*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. See accompanying paper,

(*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. See accompanying paper,

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, WE DO,

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

[X] Money and [X] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper. See accompanying 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 August 14, 1954

MINERAL EXPLORATION & PRODUCTION, INC.
(Applicant)

By O. Schierding Pres.
and Gen. Manager

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

CONTRACT DIAMOND CORE DRILLING MINE DEVELOPMENT BY CONTRACT

MINERAL PROPERTIES: BOUGHT, EXPLORED, DEVELOPED, MINED, LEASED OR SOLD

MINERAL EXPLORATION & PRODUCTION, INC.

~~POST OFFICE BOX 795~~
~~BOISE, IDAHO~~

Yellow Pine, Ida.
~~xxxxxxxxxxxxxxxx~~

Accompanying paper page 1

1, c. President & Gen.Manager, Wm. Schierding, Yellow Pine, Idaho.
Vice- President, Ervin Schierding, Grangeville, Idaho.
Secretary, Gordon Greenway, Boise, Idaho.
Treasurer, Emma Schierding, Capitol Courts, Boise, Idaho.

3, f. Emma No. 1, bookll page 319, Emma No. 2, book 11 page 320,
Emma No. 3, book 11 page 321, Emma No. 4, book 11 page 322,
Emma No. 5, book 11 page 323, Emma No. 6, book 11 page 324,
Emma No. 7, book 11 page 325, Emma No. 8, book 11 page 326,
Emma No. 9, book 11 page 327, Emma No. 10 book 11 page 328,
Emma No. 11 book 11 page 329, Emma No. 12 book 11 page 330.

4, a. Exploration and improvements on the property, since its location in 1944, consist of two short prospect tunnels, numerous open cuts, trail making, surface excavation by caterpillar and the construction of about 1½ miles of new road. Most of this work was done by the former owner and locator, Wm. Schierding, now President and Manager of this company. Thd two pospect tunnels have no connection with the Scheelite disvovery. Work now being carried on is with caterpillar dozer on surface excavation and clearing ground for diamond core drilling.

4, c. In past years much Scheelite float was found on the lower hillsite on this and adjoining properties. In 1952, the former owner of this property, Wm. Schierding, used a caterpillar dozer for surface excavation on the Emma No. 11 and No. 12 claims near the summit of the hill and a discovery of scheelite in place was made in an altered lime formation (a garnet-rich Tacktite). The tacktite is embeded in the granit and has a north-west course with bedding planesdipping to the north-east at 65 deg. from the horizontal. It has not been established if the scheelite follows the course of the tacktite or if it follows the north- south fissuring in and through the tacktite in which it is found. It is the intention to prove this by diamond core drilling.
Due to the large amount of scheelite float being found below this outcrop it is likely that a commercial body of tungsten ore can be discowered by a proper explorationproject.

4, d. The property is located about three miles south-east of the town of Yellow Pine, it is reached from the Yellow Pine-Cascade road near the mouth of Riordan Creek by the Idaho Power line road up Riordan Creek for 1½ miles and from there our own road leads up to the outcrop near the top of the hill. By road, the discovery is about 6 miles from Yellow Pine and the later about 40 miles from the railhead at Mc Call,over the new Forest highway to be completed in September.

MINERAL EXPLORATION & PRODUCTION, INC.

~~POST OFFICE BOX 795~~ Yellow Pine, Idaho.
~~BOISE IDAHO~~

Accompanying paper page 2.

5, b. The proposed project to start with diamond core drilling of probably three or four holes of 100 to 400 ft. in depth, or a total of about 1200 ft. or less, to determine the course, width and quality of the scheelite deposit. This to be followed by driving a 5x7 ft.tunnel for a distance of about 500 feet to give about 350 ft. of depth under the outcrop. This to be followed by lower drilling and lower tunneling. A sketch of this plan is eclosed.

5, d. The President-Manager of the applicant had over 40 years of practical experience as prospector, miner, lessee, contractor and in later years as diamond drilling contractor. In 1906 he took a course in metal mining with I.C.S. and later was connected with mine development in various capacities from forman to manager, also corporation director and secretary. He is fully competent to manage and supervise the project.

6, a. Since this company is equipped and its help experient in contract work of this kind we would, if agreeable to your office, contract all work of the project and furnish all needed equipment for the following unit contract prices: Diamond core drilling of A X size hole at $ 6.50 p.ft. of EX size hole $4.50 p.ft., these prices to include standpiping,reaming, casing, etc.. On account of the place of drilling being considerably above the ground water level there will be no water near the drill and same has to be hauled by truck, requiring another extra man, therefore the prices quoted are quite reasonable.

The contract price for driving a 5x7 ft. tunnel to be $28.00 p.ft. and if timbering is required at $35.00 p.ft.

The Company to furnish everything, much of the work to be sub-contracted to our help. These prices to include 6,b. 6,c. 6,d. 6,e. 6,f. 6,g. and 6,h.

The total cost of the project, including lower drilling and lower tunneling as mentioned in 5,b. not to exceed $50,000.00.

7, b. The applicant to take full responsibility for the performence of and meeting the cost of 25% of the contracted work, and the U.S.Government in the exploration contract to meet the cost 75% of the contracted work.

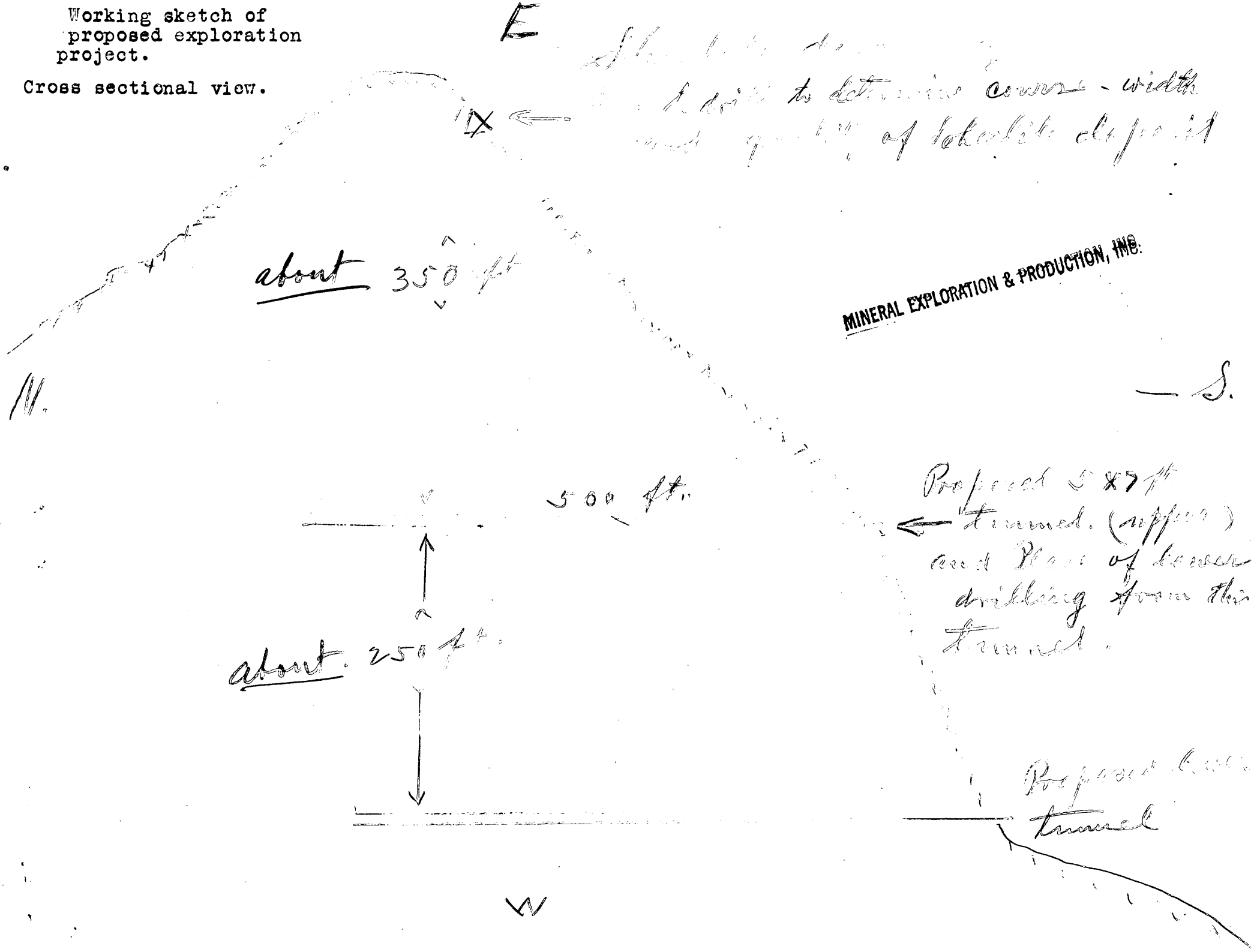
EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

OFFICIAL BUSINESS

Mr. William P. Williams
Executive Officer,
DMEA Field Team, Region VI
221 West 3rd Street,
Joplin, Missouri

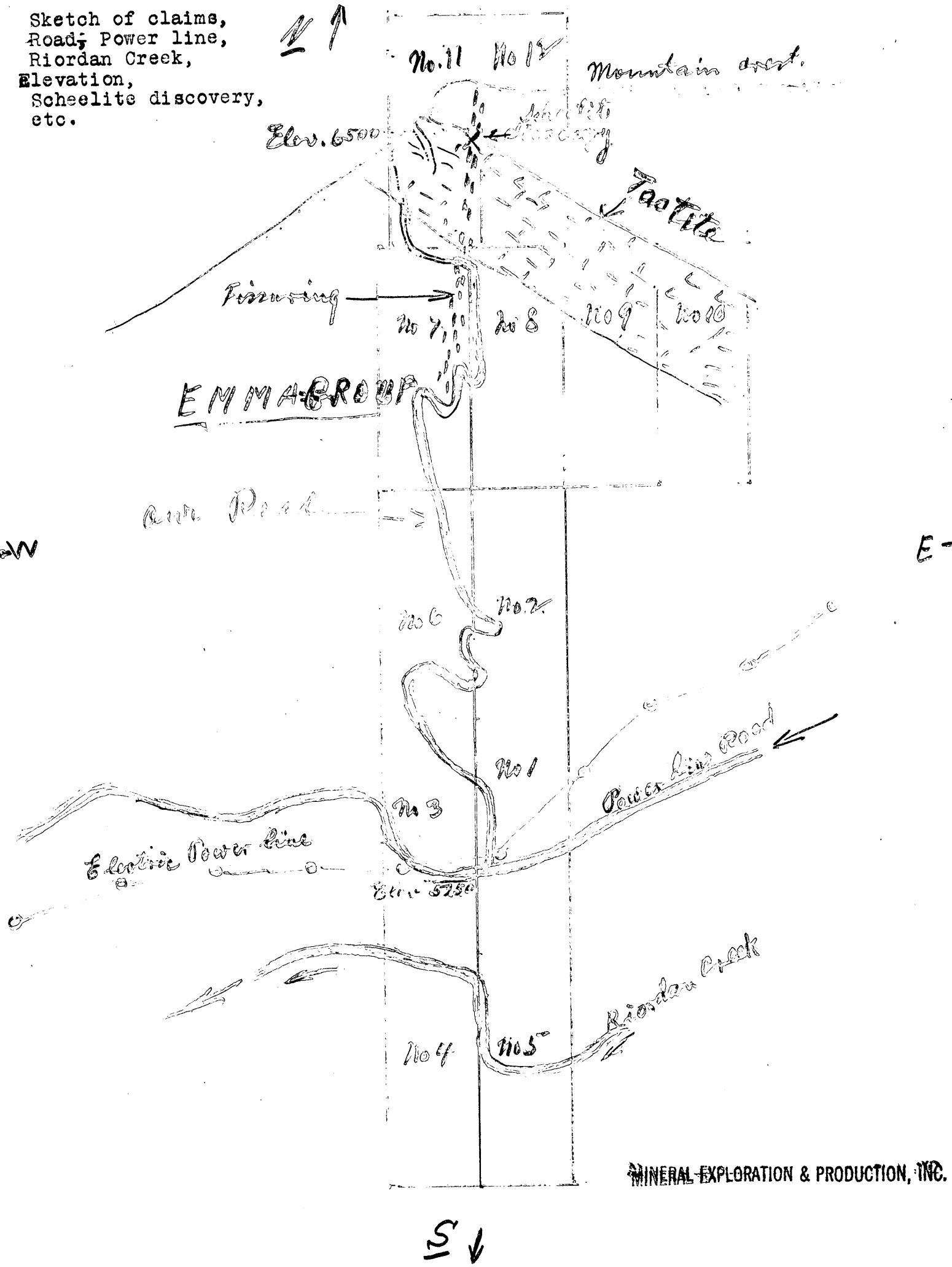
Working sketch of proposed exploration project.

Cross sectional view.



MINERAL EXPLORATION & PRODUCTION, INC.

Sketch of claims,
Road, Power line,
Riordan Creek,
Elevation,
Scheelite discovery,
etc.



MINERAL EXPLORATION & PRODUCTION, INC.