DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. DMEA-3181

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Exploration Assistance

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1cy USBM& USGS,Docket 1 retained in Region

Routing Slip

To:	Code 400	Date	10-2-53
To:	Code 400	Date	10/14/53
To:	Open Com	Date	10-28-53
To:	Code 400	Date	10/29/53
To:	Open Com	Date	3-22-54
To:	Open Com.	Date	5-21-54
To:		Date	
To:		Date	
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3181-Tung

Hon. George W. Malone
United States Senate
Washington 25, D. C.

My dear Senator Malone:

Reference is made to your letter of April 26, requesting that we give careful consideration to and furnish you with a report on a letter to you of April 20 from Mr. R. L. Rink, regarding denial of his application for exploration aid on his Ruth No. 1 claim, in Lyon County, Nevada, our Docket No. DMEA-3181 (Tungsten). A copy of Mr. Rink's letter was enclosed with your letter.

Mr. Rink offers to amend his application to conform his project to such recommendations as our Field Team may have made. Our Form MF-103, "Application for Aid in an Exploration Project, Pursuant to DMEA Order 1, Under the Defense Production Act of 1950, as Amended," instructs the applicant to give us a description of the proposed work. If such proposals apply to a property having indications of strong mineralization and promising structure, our Field Team and this office may suggest modifications of the applicant's proposed project in the interest of a more effective and economical exploration program. As you will readily appreciate, however, neither the Field Team nor this office can reasonably make suggestions or recommendations for changes unless our examination and review indicate in the first place that the property itself has sufficient merit to justify Government participation.

Mr. Rink states that he intends to continue development of the subject property, and feels that the map prepared to accompany our Field Team's report would be valuable to him. We regret that the map is a part of the report which we have before explained is confidential, and we are unable to furnish copies of either the report or the map. Nevertheless, we can say that the showings of mineralization are so scattered it does not seem likely that the map would be of any substantial assistance to Mr. Rink.

Mr. Rink indicates that in view of our action on his application he thinks that the word "exploration" is inappropriate in the title of this agency. Mining men may differ on what the word "exploration" means, but this agency is limited by the definition used in its published regulations (DMEA Order-1, Amended: 19 F.R. 1563). There, the words "exploration project" are defined to mean --

> " . . . the search for indicated or undeveloped sources of strategic or critical metals or minerals . . ."

The denial of Mr. Rink's application is based entirely on the insufficiency of indications that the work might result in any significant discovery or development of tungsten.

Of course, if further work by Mr. Rink on the subject property discloses new evidence of significant scheelite mineralization, we shall be glad to consider a revised application setting forth the new evidence.

Sincerely yours,

C. O. Mittendorf

Administrator

cc: DOCKET
CODE 400
FIELD TEAM, REG. III
R. W. GEEHAN, BUR. MINES
T. P. THAYER, USGS
ADM. READ. FILE
LEGAL

WSMartin/HCRubin JLHofflund/WSMartin/ls
5 20/54

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

Hon. George W. Malone
United States Senate
Washington 25, D. C.

My dear Senator Malone:

Reference is made to your letter of April 26, requesting that we give careful consideration to and furnish you with a report on a letter to you of April 20 from Mr. E. L. Rink, regarding denial of his application for exploration aid on his Ruth No. 1 claim, in Lyon County, Nevada, our Docket No. DMEA-3181 (Tungsten). A copy of Mr. Rink's letter was enclosed with your letter.

Mr. Rink offers to amend his application to conform his project to such recommendations as our Field Team may have made. The Field Team made no recommendation other than that the Government, on the present showing, should not participate in exploring the property.

Mr. Rink states that he intends to continue development of the subject property, and feels that the map prepared to accompany our Field Team's report would be valuable to him. We regret that the map is a part of the report which we have before explained is confidential, and we are unable to furnish copies of either the report or the map. Nevertheless, we can say that the showings of mineralization are so scattered it does not seem likely that the map would be of any substantial assistance to Mr. Rink.

Mr. Rink indicates that in view of our action on his application he thinks that the word "exploration" is inappropriate in the title of this agency. Mining men may differ on what the word "exploration" means, but this agency is limited by the definition used in its published regulations (DMEA Order-1, Amended; 19 F.R. 1563). There, the words "exploration project" are defined to mean—

> ". . . the search for <u>indicated or undeveloped</u> sources of strategic or critical metals or minerals. . ."

The denial of Mr. Rink's application is based entirely on the insufficiency of indications that the work might result in any significant discovery or development of tungsten.

Of course, if further work by Mr. Rink on the subject property discloses new evidence of significant scheelite mineralization, we shall be glad to consider a revised application setting forth the new evidence.

If there is anything further that we can do to cooperate with you, please advise us.

Sincerely yours,

Administrator

Mr. Rink offers to amend his application to conform his project to such recommendations as our Field Team may have made. Our Form MF-103, "Application for Aid in an Exploration Project, pursuant to DMEA Order-1, etc." instructs the applicant to give us a description of the proposed work. If such proposals apply to a property having indications of strong mineralization and promising structure, our Field Teams and this office may ~~do not hesitate to~~ suggest modifications of the applicant's proposed project ~~to suit what would probably be better exploration practice, and we often recommend changes that we believe will protect the Government's interest and at the same time increase the~~ effectiveness ~~of the~~ in the interest of a more and economical exploration program. As you will readily appreciate, however, neither the Field Team nor this office can reasonably make suggestions or recommendations for changes unless our examination and review indicates in the first place that the property itself has sufficient merit to justify Government participation.

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

Hon. George W. Malone
United States Senate
Washington 25, D. C.

My dear Senator Malone:

Reference is made to your letter of April 26, 1954, requesting ~~1954, enclosing~~ a letter to you of April 20 from Mr. E. L. Rink, regarding ~~our~~ denial of his application for exploration aid on his Ruth No. 1 claim, in Lyon County, Nevada, our Docket No. DMEA 3181-Tungsten. a copy of Mr. Rink's letter was enclosed with your letter.

~~In accordance with your request~~ that we give ~~the~~ above ~~letter~~ careful ~~closest~~ consideration and furnish you with a report ~~thereon, we note~~ Mr. Rink's offer to amend his application to conform to such recommendations as our Field Team may have made for an alternative project ~~suggested. We do not usually outline an exploration program for an applicant~~ unless ~~his~~ property appeared to have ~~so much merit that no great responsibility is incurred by the Field Team in suggesting a program.~~ unusual promise of successful operation. (we would not feel justified taking the initiative of outlining a program, and we are sorry.)

~~We note also that~~ Mr. Rink ~~intends~~ is expected to continue ~~the~~ development of the subject property and feels that the map prepared to accompany our Field Team's report would be valuable to him. We regret that the map ~~is~~ is a part of the report, ~~is~~ considered confidential ~~and is not available for distribution~~. ~~Because~~ the showings of mineralization are so scattered, it does not seem likely that the map would be of any ~~considerable~~ substantial assistance to Mr. Rink.

~~Finally,~~ Mr. Rink ~~suggests~~ in the last paragraph of his letter, as we understand it, is the ~~that the word "exploration" is without meaning in the procedures of the Administration, and questions~~ as to whether the Defense ~~Mineral~~ Exploration Administration can show any case ~~wherein~~ we approved expenditures of funds under our exploration program "where only ~~evidence of its likelihood was present.~~" ~~We assume~~ that the word "its" refers to ore or strong mineralization. The DMEA enters into ~~no~~ contracts ~~unless~~ only when there is evidence that the property ~~which is~~ to be ~~being~~ explored is likely to yield ore, or strong mineralization which under certain conditions might become ore, in significant quantities.

In this regard, it is not necessary to undertake the responsibility for outlining an exploration program and

Nevertheless, in particular that

We are not really conducting an "exploration" program, unless we participate in projects based only upon some evidence of the likelihood that mineralization exists. As you know, DMEA does not participate in prospecting ventures.

If Mr. Rink's further development of his property ~~intended continued development of his property finds~~ disclosures new evidence of significant scheelite mineralization, we ~~will~~ shall, of course, consider a revised application accompanied by substantiating data.

If there is anything further that we can do to cooperate with you, please advise us.

Sincerely yours,

Administrator

P 2 - Geehan says removed last sentence

P 4 Add "Structures suggesting strong continuity or something

Bring in idea of geologic targets, which may are associated with mineralization (not necessarily strong) and may or may not make ores for example, ~~eff X cuts in detail~~ exploration of unproven veins or faults in mineral districts (Coeur d'Alenes)

400

APR 7 1954

Hon. George W. Malone
United States Senate
Washington 25, D. C.

My dear Senator Malone:

This acknowledges receipt of your letter of April 1, 1954, requesting a copy of the report by our Field Team covering the examination of the Ruth No. 1 claim, Lyon County, Nevada, of Ernest L. and Ruth H. Rink, our Docket No. DMEA 3181-Tungsten.

We regret to advise you that such Field Team reports are considered confidential and are not available for distribution. We wish to cooperate with you, however, to the fullest possible extent, and we shall be glad to have someone from your office visit our Iron and Ferro-Alloys Division and review our file copy of that report here. Alternatively, we could send one of our employees to visit your office at your convenience and bring with him for your perusal the same report.

Sincerely yours,

A. O. Mittendorf

Administrator

cc: DOCKET
CODE 400
FIELD TEAM, REG. III
ADM. READ. FILE
R. W. GEEHAN, USBM
P. W. GUILD, USGS

WSMartin/ls
4/7/54

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

400

MAR 24 1954

Hon. George W. Malone
United States Senate
Washington 25, D. C.

My dear Senator Malone:

Reference is made to our letter to you dated March 5, 1954, reporting the status of the application for exploration assistance by Mr. H. L. Rink, 448 Humboldt Street, Fallon, Nevada (Our Docket No. DMEA 3181 - Tungsten). The field examination report on the property mentioned in our above-noted letter has been received and reviewed by the Iron and Ferro-Alloys Division.

The review of the Field Team report and other available information indicates that although some tungsten mineralization occurs on Mr. Rink's property it is infrequent and very low in grade. In view of the weak mineralization, as well as the lack of evidence of structure continuity, we feel that Government assistance in Mr. Rink's proposed exploration program is not warranted and have so advised him.

We regret that we are unable to find sufficient justification to furnish assistance in this case.

Sincerely yours,

C. O. Mittendorf

Administrator

JHopkins/FJohnson/ls/bih
3/24/54
cc to: Docket
Admr. Reading File
Region III (2)
Messrs. R. F. Geehan USBM
T. P. Thayer USGS
Hopkins
F. J. Johnson

Hon. George W. Malone
United States Senate
Washington 25, D. C.

My dear Senator Malone:

Reference is made to our letter to you dated March 5, 1954, reporting the status of the application for exploration assistance submitted by Mr. E. L. Rink, 448 Humboldt Street, Fallon, Nevada (Our Docket No. DMEA 3181 - Tungsten). The field examination report on the property, mentioned in our above-noted letter, has just been received and reviewed by the Iron and Ferro-Alloys Division.

A careful study of all our information, although noting small amounts of tungsten mineralization on the property owned by Mr. Rink, indicates to us that the possibility of disclosing minable ore reserves by his proposed program is not sufficiently promising to justify Government participation. Therefore, we regret to advise you, under the circumstances, that his application for exploration assistance has been denied.

We have advised Mr. Rink of this action and have expressed our appreciation for his interest in the Defense Minerals Exploration Administration program and for bringing his property to our attention.

Sincerely yours,

C. O. Mittendorf

Administrator

cc: DOCKET
FT, REG. III
CODE 400
ADM. READ. FILE
R. W. GEEHAN, USBM
T. P. THAYER, USGS

JHopkins/ls
3/18/54

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

Hon. George W. Malone
United States Senate
Washington 25, D. C.

My dear Senator Malone:

Reference is made to our letter to you dated March 5, 1954, reporting the status of the application for exploration assistance submitted by Mr. E. L. Rink, 448 Humboldt Street, Fallon, Nevada (Our Docket No. DMEA 3181 - Tungsten). The field examination report on the property, mentioned in our above-noted letter, has just been received and reviewed by the Iron and Ferro-Alloys Division.

A careful study of all our information, although noting small amounts of tungsten mineralization on the property owned by Mr. Rink, indicates to us that the possibility of disclosing minable ore reserves by his proposed program is not sufficiently promising to justify Government participation. Therefore, we regret to advise you, under the circumstances, that his application for exploration assistance has been denied.

We have advised Mr. Rink of this action and have expressed our appreciation for his interest in the Defense Minerals Exploration Administration program and for bringing his property to our attention.

Sincerely yours,

Administrator

March 18, 1954

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance in the amount of $26,163.00
Docket No. DMEA 3181 - Tungsten
Ernest L. Rink and Ruth H. Rink
Ruth No. 1 claim
Lyon County, Nevada

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

(1) The applicants requested exploration assistance in the amount of $26,130.00 to explore for tungsten on the Ruth No. 1 claim, Lyon County, Nevada.

(2) The area is underlain with quartzite, hornfels, and metavolcanic rocks that have been intruded by a granodiorite stock and by andesite-porphyry dikes, and are overlain by andesite flows. The metamorphic rocks have been cut by faults in several systems and locally contain a few layers of tactite several inches wide.

(3) The tungsten ore bodies are fracture zones along faults. The ore mineral is scheelite. Only one ore body was mined; this was 50 feet long, 6 feet high, and 15 feet wide, and may have averaged .4 to .5 percent WO_3. The lower adit was driven under the ore body but revealed no tungsten ore.

(4) The tungsten showings covered by the DMEA application occur in 4 small pits 150 feet from the granodiorite contact. Samples were taken from pits that showed scheelite. Results were as follows:

No.	% WO_3	Description
1623	0.16	Cut 18" broken material South Pit
1624	0.01	2½ ft. cut at Discovery Stake
1625	0.01	3' altered material in North Cut.

(5) The geologist and engineer of the examining team conclude that the showings of scheelite are too widely scattered and are not in sufficient quantity to justify development.

(6) The Field Team recommends that no further consideration be given to the property by the Defense Minerals Exploration Administration.

(7) The Commodity Divisions of the U. S. Bureau of Mines and Geological Survey concur in the recommendation of the Field Team.

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

cc: DOCKET
CODE 400
OPER. COMM.
ADM. READ. FILE

JHopkins/ls
3/18/54

400

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

1012 Flood Bldg.
870 Market Street
San Francisco 2, Calif.

March 11, 1954

Memorandum

To: George C. Selfridge, Operating Committee, DMEA, Washington, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3181 - Tungsten
Ernest L. & Ruth E. Rink
Ruth Claims, Lyon County, Nevada

Reference is made to your letter dated October 29, 1953, requesting a field examination of the subject property.

Attached are four copies of an examination report, entitled "DMEA-3181, Ruth Tungsten, Lyon County, Nevada, " by W. T. Benson, Mining Engineer, U. S. Bureau of Mines, and Roscoe M. Smith, Geologist, U.S.Geological Survey, dated March 5, 1954.

According to the report, the showings of scheelite on the subject property are too widely scattered and are not in sufficient quantity to justify development. Further consideration of the property by the DMEA is not therefore recommended.

H. C. Miller
Executive Officer, DMEA Field Team
Region III

Attachment

Copy to: R. M. Smith, USGS
A. C. Johnson, Reno

Reviewed by
DMEA OPERATING COMMITTEE
3-19-54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA-3181, Ruth Tungsten

Lyon County, Nev.

W. T. Benson, Mining Engineer
U. S. Bureau of Mines

Roscoe M. Smith, Geologist
U. S. Geological Survey

March 5, 1954

Reviewed by
DMEA OPERATING COMMITTEE
3-19-54
(date)

EXAMINATION REPORT

Docket No.: DMEA-3181 (Tungsten)

Name and address of applicant: Ernest L. Rink
448 Humboldt Street
Fallon, Nev.

Name and location of property: Ruth Tungsten, Lyon County, Nev.

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

Ernest L. And Ruth Rink, co-partners, 448 Humboldt Street, Fallon, Nev., applied to the Defense Minerals Exploration Administration for government assistance in a $26,163.00 program to explore surface and underground showings of scheelite on the Ruth claim, situated in north central Lyon County, Nev.

A field examination was requested by the Executive Officer, DMEA Field Team, Region III, to determine if the ore reserves are sufficient to justify the project proposed by the applicant and to obtain data necessary to complete a contract. Accordingly, an examination was made of the property on November 16, 1953 by an engineer of the Bureau of Mines and a geologist of the U.S. Geological Survey.

The applicant proposed to do some surface stripping and trenching with a bulldozer and to do some shaft sinking and drifting estimated to cost $26,163.

The showings of scheelite on the property are too widely scattered and are not in sufficient quantity to justify development.

Further consideration of the property by the Defense Minerals Exploration Administration is not recommended.

INTRODUCTION

In connection with an application for exploration assistance (docket DMEA-3181), the Ruth mining claims were visited on Nov. 16, 1953 by an engineer of the Bureau of Mines and a geologist of the U.S. Geological Survey. The purpose of the visit was to inspect development openings that pertain to Mr. Ernest L. Rink's application for aid in exploring tungsten showings found on the Ruth claims.

PROPERTY HOLDINGS AND ACCESSIBILITY

Property holdings comprise one claim known as the Ruth which is situated in T. 17 N., R. 24 E., Lyon County, Nev., about three miles north of Old Fort Churchill. It is 38 miles southwest of Fallon, the supply base (fig. 1) and 3.5 miles southwest of Weeks, where there is a loading ramp on the Hazen to Mina branch line of the Southern Pacific Railroad.

To reach the property from Fernley, State highway 95, alternate route, is followed south 25 miles to the Fort Churchill turnoff. From this point a poor mountain road is traveled north and west two miles to the property.

COMPETENCY OF APPLICANT

The experience of Ernest L. Rink comprises merchandising as owner, independent mine owner, and from 1936 to 1945 superintendent

and general manager of Cambridge Mining Co., Inc.

HISTORY

Aside for some prospecting, the only mining done in the area was during the World War II period at which time it is estimated that possibly 50 tons of 0.5 percent tungsten ore was mined from the old Ruth workings (fig. 3).

The Rink location adjoining the old Ruth location was made May 3, 1951. Only location and assessment work has been done on the claim in recent years.

PHYSICAL FEATURES

The claim is located in the low foothills of a range of mountains that front the Carson river basin on the west. The altitudes in the vicinity range from 5500 feet on the property to 6500 feet in the higher hills immediately to the west. The climate in the area is semi-arid with long hot summers and moderately cold winters. Precipitation occurs usually as snow with occasional rains during the fall and spring months. Winter storms are not severe enough to impede mining operations. Water for domestic and mine use is scarce. For general use, it would have to be supplied in drums by truck from a farm house on the Carson river, three miles south. A scattered growth of desert grass constitutes the vegetation on the property.

No transmitted electric power is available. For generation of

power, it would be necessary to supply fuel oil in drums by truck from Fallon, 38 miles northeast.

HOUSING FACILITIES AND EQUIPMENT

No housing facilities or equipment is on the property.

DEVELOPMENT

Development openings on the property comprise four small trenches and a pit 6 feet deep.

GEOLOGY

In the area of the Ruth Tungsten mine, quartzite, hornfels, and meta-volcanic rocks have been intruded by a granodiorite stock and by andesite-porphyry dikes, and are overlain by andesite flows. The metamorphic rocks have been cut by faults in several systems, and locally contain a few layers of tactite several inches wide.

ORE DEPOSITS

The tungsten ore bodies in the Ruth mine are fracture zones along faults of small displacement which cut metamorphic rocks. The ore mineral is scheelite which occurs without gangue. Only one ore body was mined: this was 50 feet long, 6 feet high and 15 feet wide and may have averaged 0.4 to 0.5 percent WO_3. The Lower adit of the Ruth mine (fig. 3) was driven under the ore body but revealed no tungsten ore.

The tungsten showings covered by the DMEA application occur in four small prospect pits (fig. 2) about 1,000 feet north of the Ruth Tungsten mine and about 150 feet from the granodiorite contact. Scheelite is revealed

in three of the pits as shown in figure 3. In the most northerly pit a few crystals of scheelite occur in tactite on one side of the pit only, and a few pieces of ore (0.5 percent WO_3) occur on the dump. The most westerly pit reveals scheelite on one side of the pit only in a triangular shape 16 inches high. In the most southerly pit, a patch of scheelite-bearing tactite 5 inches long and 1-1/2 inches wide occurs on one side of the pit. These patches of tactite may average 0.5 percent WO_3.

North of the scheelite showings there are a few small pits along the granodiorite contact where specimens containing thin crusts of hyalite (which fluoresces blue green) have been found and reported by the owner to be uranium. Samples taken from these pits assayed 0.00 percent U_3O_8.

SAMPLING

For the purpose of record, samples were taken from pits showing scheelite. Location of the samples are shown on figures 2 and 3. The samples were tested for scheelite and radioactivity since it was reported specimens taken from the area fluoresced blue green. Results were as follows:

Sample No.	%, WO_3	Radioactivity	Description
1623	0.16	None detected	Cut across 18 inches broken material in south pit.
1624	0.01	" "	Cut across 2-1/2 feet in cut at discovery stake.
1625	0.01	" "	Cut across 3 feet altered surface material in north cut.

ORE RESERVES

There are no ore reserves of any class at the Ruth Tungsten prospect.

PROPOSED EXPLORATION

The applicant proposed to do exploratory work in two stages. In the first stage some surface stripping and trenching was proposed. Resulting from this work and providing worthwhile tungsten showings were disclosed, some shaft sinking and drifting would be done. For this work, it would be necessary to purchase a truck, mining equipment, and construct a bunk house. To complete the two stages, it was estimated the cost would be $26,163.

CONCLUSIONS

The showings of tungsten on the property are too widely scattered and are not in sufficient quantity to justify development. Further consideration of the property by the Defense Minerals Exploration Administration is not recommended.

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
DOCKET NO. 3181

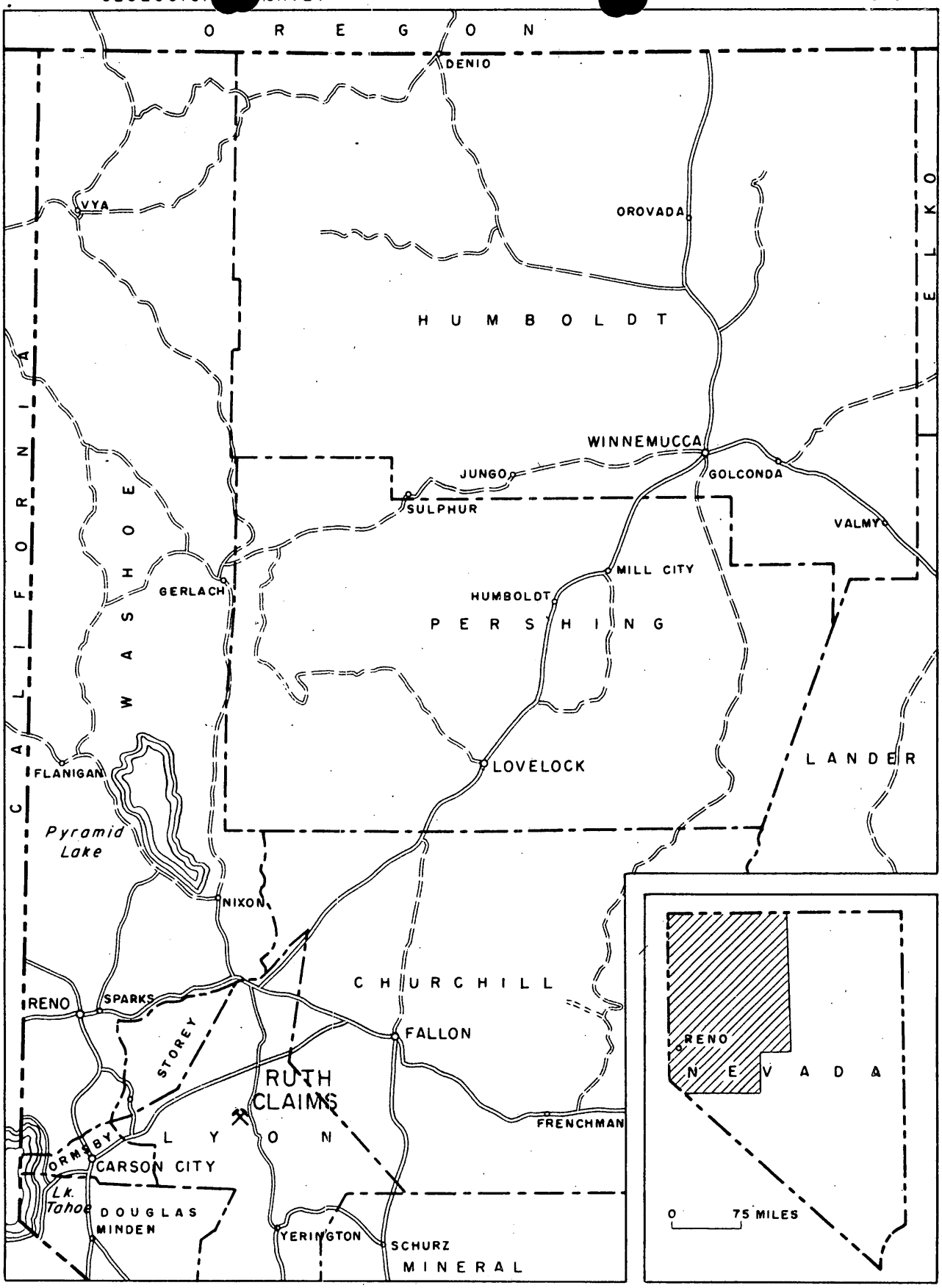

FIG. I INDEX MAP OF NORTH WEST NEVADA

10 0 10 20 MILES

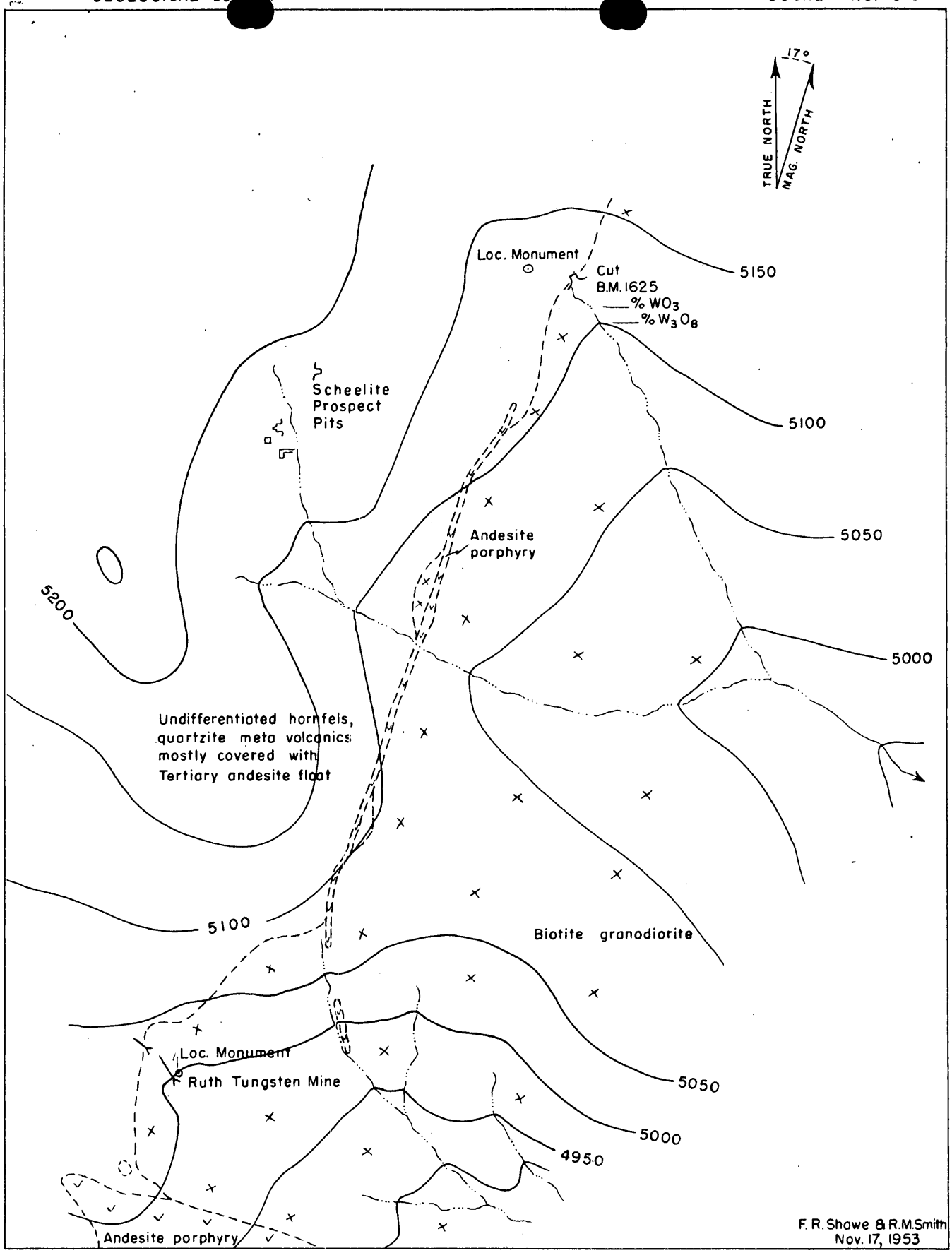

FIG. 2 GEOLOGIC SKETCH MAP – RUTH CLAIMS
LYON COUNTY, NEVADA

0 200 400 FEET
SCALE

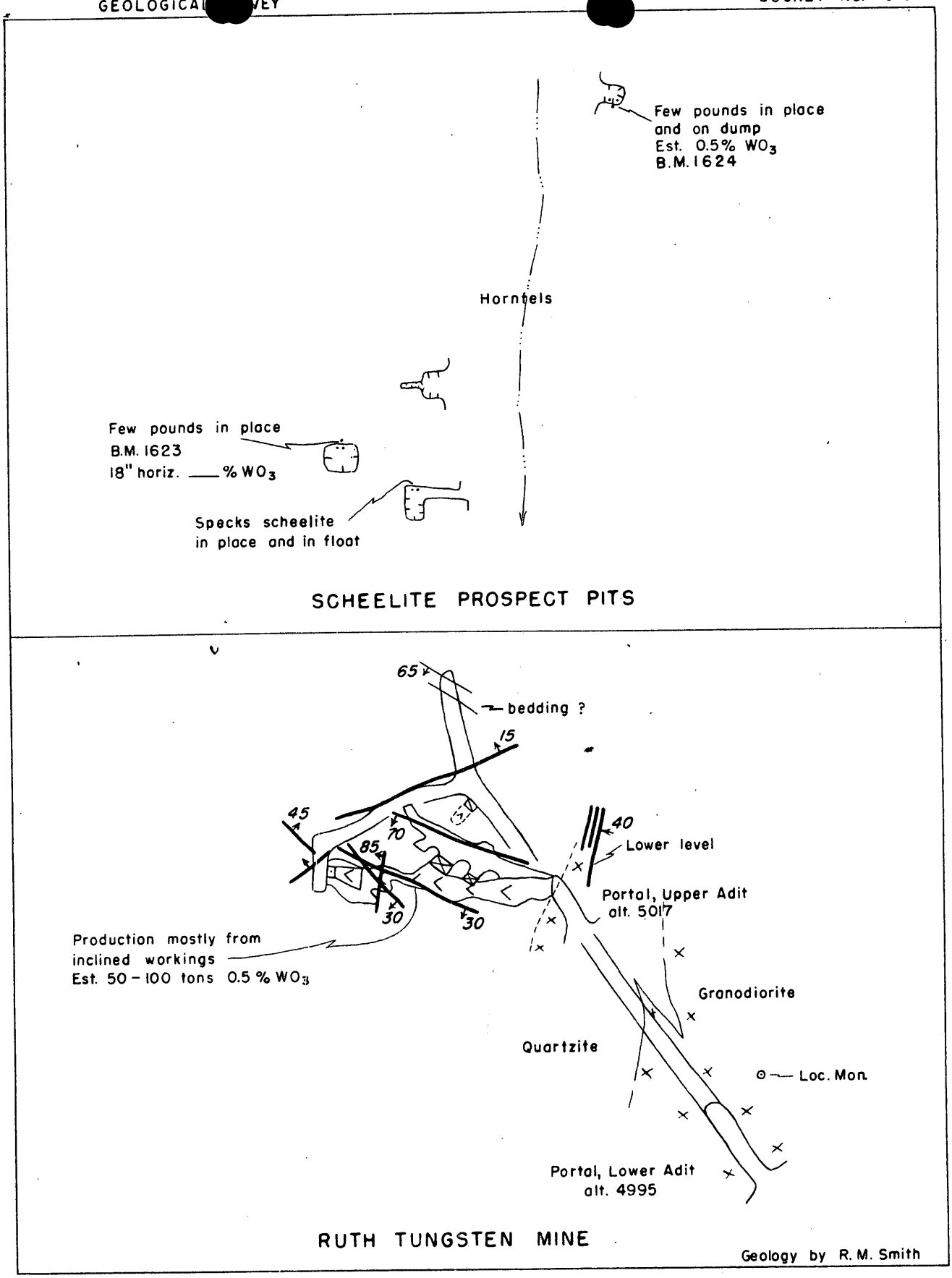

FIG. 3

RUTH TUNGSTEN PROSPECT
LYON COUNTY, NEVADA

0 40 80 FEET
Scale

400

MAR 5 1954

Hon. George W. Malone
United States Senate
Washington 25, D. C.

400

Dear Senator Malone:

This will acknowledge receipt of your letter of March 2, 1954, inquiring of our Iron and Ferro-Alloys Division as to the status of an application submitted by Mr. E. L. Rink, 448 Humboldt Street, Fallon, Nevada, for exploration assistance at the Ruth claims, Lyon County, Nevada, our Docket No. DMEA 3181-Tungsten

By an exchange of telegrams we are informed that the report of our Field Team will probably be mailed to us in the next few days. Review of such reports by the several commodity group members here is usually completed within one week for projects clearly warranting the exploration assistance proposed or those in our judgment without sufficient merit for Government aid. Borderline cases may take a little longer to approve or disapprove.

As soon as the report of the Field Team is received here, our review of Mr. Rink's application will be expedited, and you will be advised promptly about our action.

Sincerely yours,

E. O. Mittenbergh

Administrator

cc: Docket
Field Team, Reg. 3
Code 400
Adm. Read. File
R. W. Geehan - USBM
T. P. Thayer - USGS

WSMartin/ls 3/5/54

400

MAR 5 1954

AIR MAIL

400

Mr. Ernest L. Rink
448 Humboldt Street
Fallon, Nevada

Re: Docket No. DMEA 3181 - Tungsten
Rink, Ernest L. & Ruth H.
Ruth claims
Lyon County, Nevada

Dear Mr. Rink:

Reference is made to your letter of February 23, 1954, inquiring of our Iron and Ferro-Alloys Division as to the status of the subject application.

We have been advised that the report by our Field Team will probably be mailed to us in the next few days. Review of such reports by the several commodity group members here is usually completed within one week for projects clearly warranting the exploration assistance proposed, or those in our judgment without sufficient merit for Government aid. Borderline cases may take a little longer to approve or disapprove.

As soon as the Field Team report is received here, our review of your application will be expedited and you will be advised promptly about our action.

Sincerely yours,

C. O. Mittendorf

Administrator

CC: Docket
FT, Reg. 3
Code 400
Adm. Read. File
R. W. Geehan, USBM
T. P. Thayer, USGS

WSMartin/ls 3/5/54

Department of the Interior

Defense Minerals Exploration
Administration

14X 3923.970 - Working Fund - DMEA

TELETYPE

MARCH 4, 1954

To: H. C. Miller, DMEA Executive Officer, Region 3,
San Francisco, California

Re Docket DMEA 3181-Tungsten, E. L. Rink. Please advise approximately when report of field examination can be expected. Applicant is anxious to start work.

George C. Selfridge

G. C. Selfridge,
Chairman, Operating Committee

cc: Docket
FT, Reg. 3 - confirmation
Adm. Read. File
Oper. Committee
Code 400
Audits Division, Bur. Mines
R. W. Geehan, USBM
T. P. Thayer, USGS

WSMartin/ls
3/4/54

400

3181

Extract from Region III Report
for
January 1954
on
DMEA Activities

DMEA-3181 - (Tungsten) Ruth Tungsten Claims, Lyon County, Nevada

A joint report is being prepared by the Bureau of Mines and U. S. Geological Survey. The engineer and geologist are in agreement that the property does not have sufficient merit to warrant an exploration loan.

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OCT 29 1953

Mr. and Mrs. E. L. Rink
448 Humboldt Street
Fallon, Nevada

Re: Docket No. DMEA 3181, Tungsten
Ruth claims
Lyon County, Nevada

Dear Mr. and Mrs. Rink:

This will acknowledge your letter of October 20, 1953. Reference is also made to the above-docket application for exploration assistance, which has been reviewed by the Iron and Ferro-Alloys Division of the Defense Minerals Exploration Administration and referred to Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region III, 1012 Flood Building, 870 Market Street, San Francisco 2, California, for a field examination of the property.

The Regional Office will contact you at an early date with regard to an examination of your property. Any assistance that you can render the members of the Field Team during the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

CC: DOCKET
FT. REG. III
CODE 400
ADM. HEAD. FILE
R. W. GEEHAN, USBM
T. P. THAYER, USGS

FARutledge/ls
10/23/53

400

OCT 29 1953

Mr. H. C. Miller, Executive Officer
DMEA Field Team, Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket No. DMEA 3181 - Tungsten
Ernest L. & Ruth E. Rink
Ruth claims
Lyon County, Nevada

Dear Mr. Miller:

Reference is made to the above-docket application for exploration assistance which is being referred to your office for a field examination of the property.

In reviewing the application, it was noted that Stage I is composed of bulldozing for construction of an access road and trenching and stripping of the mineralized zone. The map submitted by the applicants indicates that they have at least one additional claim in the area that would benefit from the access road. If an exploration project is recommended, this and any other claims owned by the applicants that would benefit from the exploration program should be included in the description of the property.

The costs estimated under Stage II of the proposed project are high. The ownership of the equipment to be used should be investigated during the examination. If, as the applicants state, the leasing of the equipment will be part of their share of the project costs, then they possibly may be classed as owners and the use of the equipment should be on a depreciation basis.

A memorandum by T. P. Thayer, Geological Survey, has been prepared and is enclosed for your information. Also enclosed are copies of additional information obtained from the applicants.

During the course of your examination you may find it advisable to explain to the applicants that our program does not include the prospecting that necessarily precedes exploration, and that we therefore require every applicant to provide enough information about his property to enable us to determine whether a field

examination is warranted. Furthermore, the applicant quotes answer No. 15 of the DMEA pamphlet, but has apparently overlooked answer No. 14, which states (underlining not included in original): "If the Government has sufficient data on hand to determine whether <u>or not</u> a project is worthwhile, it may act on your application at once."

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures

APPROVED:

J. H. Hedges

Member, Bureau of Mines

T. P. Thayer

Member, Geological Survey

CC: DOCKET
FT, REG. 3
CODE 400
OPER. COMMITTEE
ADM. READ. FILE
R. W. GEEHAN, USBM
T. P. THAYER, USGS

FARutledge/WSMartin/ls
10/23/53

400

COPY

448 Humboldt Street
Fallon, Nevada
October 20, 1953

W. S. Martin, Chief
Iron and Ferro-Alloys Division
US Department of Interior
Defense Minerals Exploration Administration
Washington, D.C.

RE: Docket No. DMEA 3181 - Tungsten
Ruth Claims
Lyon County, Nevada

Dear Mr. Martin:

In answer to your letter dated October 13, 1953, insofar as possible I will answer the three questions requested.

1. The length of veins is very evident to be a 1000 feet or more. One such vein on contact being 2 feet wide and running the full length of the claim, and is referred to in the inclosed assay report as #2. While the No. 1 sample in the report showed 0.46% scheelite and came from the outcrop approximately 10 feet width of tactite and otherwise known as alaskite is in evidence for over 500 feet.

2. An inclosed assay report of this same tactite or alaskite is hereby furnished. This assay was taken from one specific location at Point A on the map inclosed with the original application and from the float uncovered at this point most any grade of sample could be obtained, from 15% to a trace of scheelite. This sample was taken with the idea of giving an average sample across the 10 foot structure.

3. Reference is made to 4. c. on the original application to which I can add no more. Since the purpose of Part I of the exploration project was to further explore the width and extent of the vein systems, this question of a necessity must be incomplete.

I am of the opinion that exploration as is meant in the DMEA program would be applicable where evidence leading to the likely presence of certain minerals from a geological standpoint occur and would cease to be an exploration project after the minerals sought for and found in place in workable quantity and quality. Therefore, if I had all the data as appeared that your office desires I could safely say that it was or was not a mine and likely not need the assistance of the DMEA. In expressing my opinion thus, I do not wish to take the position of dictating your policy but merely expressing my personal view, which I think is fully substantiated in the Question and Answers of The DMEA pamphlet issued by your office, on page 4, article 15, item 1. Quote, " based on the geological possibilities on making a significance discovery".

Will you promptly give this your attention as the weather is advancing fast toward winter and would be greatly appreciated.

I also feel that since the examining office is at Reno, Nevada, and is so close to this property at Weeks, Nevada, that even a statement as originally made in the application would warrant an examination, and especially when the application comes from a man of many years of mining experience is involved.

Very truly yours,
/s/ Ernest L. Rink

Encl. 1 Assay Report

E. L. RINK

COPY

ROCK AND MINERAL ANALYTICAL ASSAY REPORT BY GEORGE GIBBONS HAYES

4452 Raleigh Street Denver 12, Colorado

SAMPLE NO. - 3 - DATE April 20 - 1953 FOR E. L. Rink, Babbitt, Nevada..

Name of Rock Calcareous Alaskite (alaskit is also called "feldspathic quartz"
Rock Type Igneous; medium hard to medium soft quartz with a great deal of spar..
Streak Plate Color Slight; yellow-brown from limonite..
Mineralight Reaction Scattered spots of flue-white--from scheelite reactions..
Geiger Counter 44 "clicks" per minute Average radioactive..
Alpha Gamma Ray Counter X "counts" per minute
Microscope Check Pale green augite crystals; with calcite appearing in amber, resinous crystals in contrast to glassy, transparent crystals of quartz. Limonite, brown-yel.
Blowpipe Reactions (flame color, etc.) With Hcl acid, a red flame from calcite.. and with a solution of cobalt nitratr--a deep blue sublimate from aluminum in feldspar..
Hard Rock Comments: With a sample pulverized, then heated in concentrated Hcl acid, plus tin metal (20 mesh)--a pale blue precipitate proves better than just traces in tungsten--and Mineralight proves the scheelite--so this could be a source of tungsten. Now alaskite favors granite structure--and wolframite and ferberite, the important source of tungsten always favors granite and gneiss structures--so--any granite or gneiss in close vicinity, such as No. 2--the granitic quartz--might show some tungsten--this would not fluorescent, as only scheelite will--the name "alaskite" is from quartz dikes high in feldspar--common in Alaska..

APPROXIMATE NON-METALLIC VALUES PER TON

Talc	1.7%	Form	Magnesium silicate..
Quartz	47%	Form	Silica..
Calcium	5.7%	Form	Carbon--calcite--fizzes lively in acids..
Feldspar	22%	Form	Orthoclase--often called pink spar (KAlSi)
Pyroxene Group	18.5%	Form	Augite and diopside...

APPROXIMATE METALLIC VALUES PER TON

Iron	6%		Form	Oxide--limonite---
Tungsten	0.46%	*	Form	Scheelite---* Value undetermined....

Approx. Values per ton $ * Undetermined...

OCT 13 1953

Mr. & Mrs. E. L. Rink
448 Humboldt Street
Fallon, Nevada

Re: Docket No. DMEA 3181 - Tungsten
Ruth claims
Lyon County, Nevada

Dear Mr. & Mrs. Rink:

Your application for exploration assistance in exploring for tungsten on the referenced property has been reviewed by the Iron and Ferro-Alloys Division, Defense Minerals Exploration Administration.

The information submitted with your application is insufficient to justify a field examination by the Government. No data were submitted to substantiate the occurrence of tungsten on the Ruth claims. Before your application can be considered further, you should furnish us with the following data:

1. Length and width of tungsten-bearing veins.

2. Assays of representative samples of ore.

3. Location and number of veins. Please indicate their relative position on a sketch map and show location and length of samples.

We will, therefore, hold your application in abeyance until the requested data have been received.

Sincerely yours,

SIGNED

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

FARutledge:foc
10-12-53
cc: Docket
Code 400
Admr. Reading File

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

400

October 6, 1953

Memorandum

To: W. S. Martin, DMEA

From: T. P. Thayer, USGS

Subject: DMEA-3181, Tungsten
Ernest Loyd Ring and
Ruth Evelyn Rink
448 Humboldt Street
Fallon, Nevada

The applicants propose to spend $26,163 for surface trenching, shaft sinking and drifting, on veins in limestone near a "granite" contact. The location of the deposit is not given in enough detail to tell whether it is one examined by the Geological Survey in 1942 or not. It probably is not, but at time of examination of district in 1942, no significant deposits were known.

The applicant presents no data on dimensions, grade, or number of veins. It is necessary, therefore, that such information be gotten before considering referring the application to the field. The lack of data cause me to wonder how competent the applicant would be, despite his claim to being "an independent mine owner for a number of years".

When the applicant presents specific data on grade and size of veins, the docket will have to be referred to the field.

T. P. Thayer

Copy retained 400

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT - 2 1953

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-3181
Metal or Mineral
Date Received 10-2-53
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Ernest Loyd Rink and Ruth Evelyn Rink, copartners, man and wife residing at 448 Humboldt Street, Fallon, Nevada

(*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 an unpatented mining claim, named Ruth No. 1 owned entirely by Ernest L. Rink and Ruth E. Rink unencumbered. Located February 6, 1951, Certificate of Location filed at Yerington Nevada, May 3, 1951 File No. 58976, Book W, Page 469

(*b*) State any mine name by which the property is known. see 3a

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise see 3a

(*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 see 3a

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. see3a

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. none

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

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

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

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

(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 10 days and be completed within 24 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 September 24, 1953

Ernest L. Rink
(Applicant)

By Ruth E. Rink

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT - 2 1953

4.(a) Surface prospecting by hand trenching and shallow prospect holes. Good grade scheelite float found in a well defined zone as shown on map through (a) and (b). At (a) Hole No. 2 which is 5 feet in depth exposes tactite with one bunch of scheelite about 4 feet below the surface in decomposed tactite with much good grade float in surface detritus. At Point B the same structure has been trenched with surface showings of scheelite. At Points C and D on map shallow trenching has exposed nearly vertical talc slips with no scheelite in evidence. This preliminary work being done this season. It is accessable by jeep only to Point E on map. I have a jeep and would be able to take examining parties from the highway to Point E on map.

4.(b) No.

4.(c) Refer to map which is self explanatory as to geology. All indications are that veins systems are vertical and parallel to the grantic contact as shown and that the scheelite float so far found is about 100 to 150 feet from the true contact. No geologists or engineers have been called in on this prospect.

4.(d) The shipping point would be 3 1/2 miles to a siding and ramp at Weeks, Nevada on Southern Pacific, Hawthorne and Hazen Branch. Nearest point to resident town is about 8 miles which is a new town site called Silver Springs, Nevada located at the intersection of U.S. Highways No 50 and Alternate 95.

4.(e) Availability of manpower is questionable. Material is ample of this date. Supplies ample. Equipment available and complete. Water is located 3 1/2 miles at Weeks, Nevada. Power is 2 1/2 miles where reducing transormers would have to be installed if used.

5. (b) Reference is made to inclose map. The dotted lines show the proposed courses of bulldozing and stripping. The v structures leading down hill to the contact granite are in fact erosion depressions on a steep side hill from which much loose surface material would be stripped from the ridge portions. This stage of the development completes the first part of the exploratory program and before proceeding with part two it should be determined by an inspector from the Bureau of Mines whether a profitable workable ore has been exposed if not does the showing so far made warrant entering upon a part two program of exploration by sinking a shaft 100 feet and 100 feet of crosscut or drift.

5. (d) Business experience includes a number of years in the merchandising business as owner, was a former preliminary examiner for Federal Housing Administration, an independent mine owner for a number of years. From 1936 to 1945 superintendent and general manager of Cambridge Mining Co., Inc. now president of same. Have spent much time in research and discovery and identification of complex ores.

Part I of Exploration Program - Estimated Costs

6. (a) The bulldozing operation as outlined in Part 1 including access road and all trenching and stripping an estimated 30 days. This said work to be set up as a contract with the Cambridge Mining Company, Inc. at $12.00 per hour. All supplies which include operator gas and oil to be furnished by the contractor but does not include the bringing in of said supplies. Since the road itself will be very steep it is deemed advisable to purchase a 6x6 Army type truck and to this end I have taken an option on a 1947 GMC at $1250.00. This said truck to bring in supplies would require a driver whose combined duties would be handling of this truck and sampling all ground uncovered by means of panning and use of the mineral light. The light to be furnished without charge.

Total.....$2880.00

6.(b) Truck Driver and sampler at $16.00 per day for 30 days. Since I will be the bulldozer operator no supervisor charge will be made. Total.....$ 480.00

6. (c) Gas and oil and miscellaneous incidents for the operation of truck at $10.00 per day for 30 days. Total.....$ 300.00

6. (d) Operating equipment to be purchased is a 6x6 GMC truck. Total.....$1250.00

6. (e) none

6. (f) none

6. (g) Insurance on truck Total.....$ 48.00
Accounting Work for 30 days Total.....$ 75.00
Analytical work Total.....$ 50.00
Workmen compensation Total.....$ 40.00

6. (h) Possibly five days of going over all ground re-checking the results of all sampling and properly marking the ground by flag and number. Said locations to be placed on a chart of the area, so that inspection can be faciliated and determination quickly made as to whether Part 2 of the program should apply and where best to apply it.

Total.....$ 125.00

Estimated Cost for Part I
of the Program .....Total $5248.00

Part 2 of Exploration Program

6. (a)	No independent contract.	
6. (b)	Supervisor	$3500.00
	Labor	9000.00
6. (c)	Oil	50.00
	Gasoline (less gas tax refund)	720.00
	Respirators & Carbide Lights	25.00
6. (d)	Jackhammers	350.00
	Hoses	100.00
	3 sets of drill steels	100.00
	Timken bits	170.00
	Lease of portable hoist	250.00
	Lease of 340 cu ft Sullivan compressor	600.00
	Dynamite fuse and caps	1600.00
6. (e)	none	
6. (f)	Bunk house	1500.00
	Gallows frame over shaft	150.00
	Timber for shaft	1000.00
	Timber for crosscut or drifts depending on nature of rock encountered	500.00
6. (g)	Accounting	500.00
	Analytical work	100.00
	Insurance on truck	100.00
	Workmen compensation, employers' liability insurance and payroll taxes	600.00
	Estimated cost for Part II	$20,915.00
	" " " " I	5,248.00
	Total for Entire Program	$26,163.00

If the DMEA would rather contract Part 2 of the project, the Cambridge Mining Co., Inc., a Nevada corporation in good standing will take said contract at $20,000. Settlement to be made monthly for shaft sinking and timbering at $100 per foot. Settlement to be made for drift or cross-cut at $75 per foot the balance to be paid on completion. Truck to be purchased by DMEA and the title to be transferred to Cambridge Mining Co. upon repayment to DMEA at completion of thecontract from the final settlement.

7. In case this proposed contract is not approved and DMEA prefers to proceed under the outline and estimates stated above then our share of cost should be deducted from supervisory fund then the leasing of equipment until full one-fourth of monthly settlement is covered.

DATE September 24, 1953

Signed Ernest L. Rink

Signed Ruth E. Rink

SUPPLEMENT TO APPLICATION

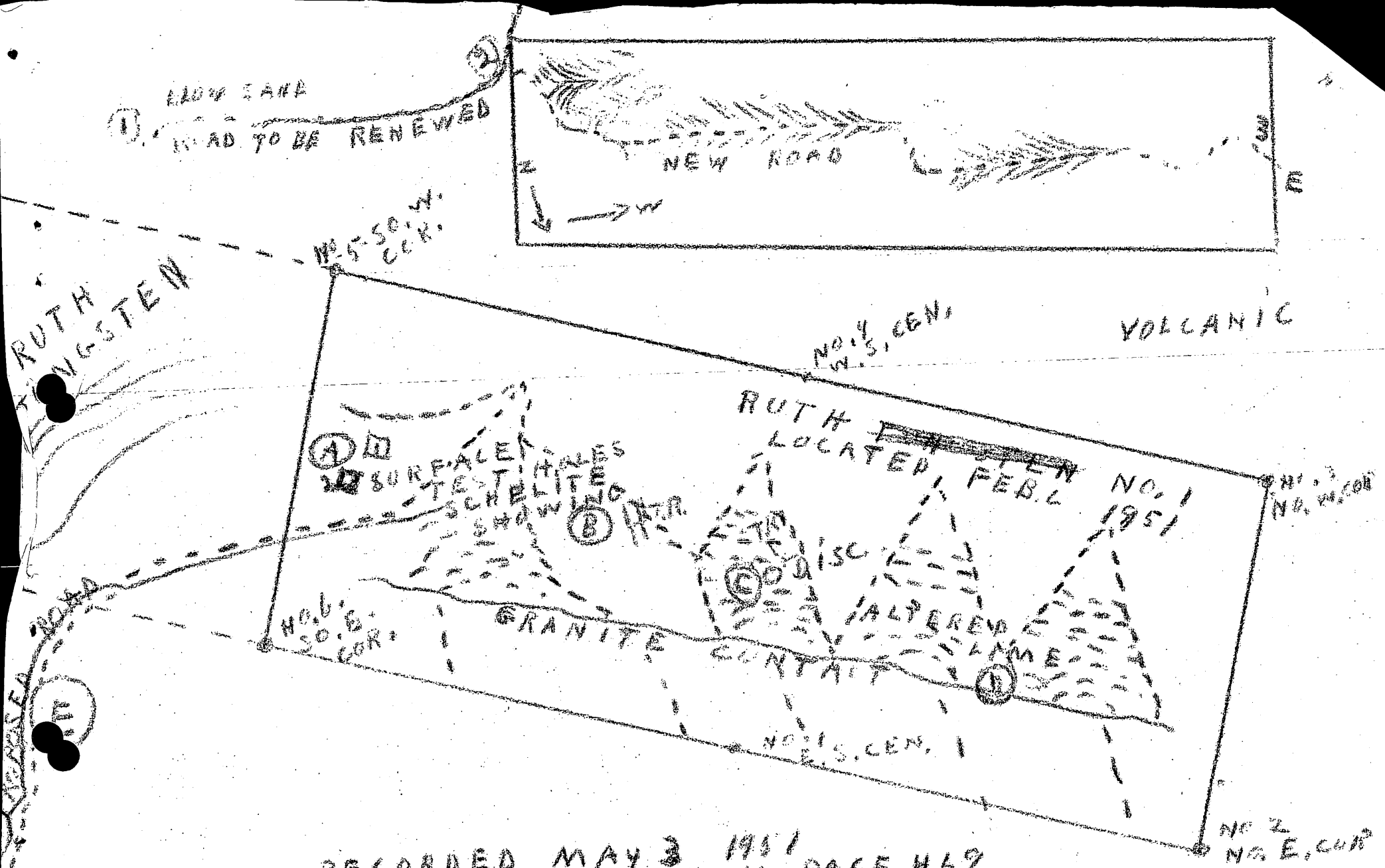
The co-owners of this claim further agrees to pay royalties as specified in DMEA on any ores they develop on contiguous claims now established or any other claims that may be established within one mile of the original claim by them during the tenure of the DMEA contract.

The Cambridge Mining Co., Inc will authorize the the DMEA to deduct from each monthly settlement 25% of the total as the contribution of Ernest L. Rink and Ruth E. Rink for their protion of the project costs.

This arrangement can be accomplished because the major portion of the Cambridge stock is owned by E.L. and Ruth E. Rink, man and wife also co-partners in this tungsten project.

Ernest L. Rink
Ruth E. Rink

Cambridge Mining Co. Inc.
Ernest L. Rink Pres
& Gen Manager



RECORDED MAY 3 1951
FILE NO. 58976 BOOK W. PAGE 469
NO. 2 SO. END OF CLAIM PROPOSED SHAFT
DOTTED LINES PROPOSED DOZING AND STRIPPING

SUPLIMENT MAP AT TOP OF PAGE SHOWS ACCESS ROAD
POINTS 1 TO 2 EXISTING BUT IN BAD SHAPE POINTS 2 TO 3
JEEP TRAIL ON HOGBACKS ABOUT 2 MI. IN ALL TO POINT E LARGE MAP

FILE COPY
Surname:
Martin
Geehan
Rewritten: Rubin
Rewritten: Hofflund
Martin
Guild
Rubin
Hedges
Lethridge
Jefferson

C & 140

MAY 24 1951

Hon. George W. Malone
United States Senate
Washington 25, D. C.

My dear Senator Malone:

Reference is made to your letter of April 26, requesting that we give careful consideration to and furnish you with a report on a letter to you of April 20 from Mr. E. L. Rink, regarding denial of his application for exploration aid on his Ruth No. 1 claim, in Lyon County, Nevada, our Docket No. DMEA-3181 (Tungsten). A copy of Mr. Rink's letter was enclosed with your letter.

Mr. Rink offers to amend his application to conform his project to such recommendations as our Field Team may have made. Our Form NF-103, "Application for Aid in an Exploration Project, Pursuant to DMEA Order 1, Under the Defense Production Act of 1950, as Amended," instructs the applicant to give us a description of the proposed work. If such proposals apply to a property having indications of strong mineralization and promising structure, our Field Team and this office may suggest modifications of the applicant's proposed project in the interest of a more effective and economical exploration program. As you will readily appreciate, however, neither the Field Team nor this office can reasonably make suggestions or recommendations for changes unless our examination and review indicate in the first place that the property itself has sufficient merit to justify Government participation.

Mr. Rink states that he intends to continue development of the subject property, and feels that the map prepared to accompany our Field Team's report would be valuable to him. We regret that the map is a part of the report which we have before explained is confidential, and we are unable to furnish copies of either the report or the map. Nevertheless, we can say that the showings of mineralization are so scattered it does not seem likely that the map would be of any substantial assistance to Mr. Rink.

Mr. Rink indicates that in view of our action on his application he thinks that the word "exploration" is inappropriate in the title of this agency. Mining men may differ on what the word "exploration" means, but this agency is limited by the definition used in its published regulations (DMEA Order-1, Amended: 19 F.R. 1563). There, the words "exploration project" are defined to mean --

> " . . . the search for indicated or undeveloped sources of strategic or critical metals or minerals . . ."

The denial of Mr. Rink's application is based entirely on the insufficiency of indications that the work might result in any significant discovery or development of tungsten.

Of course, if further work by Mr. Rink on the subject property discloses new evidence of significant scheelite mineralization, we shall be glad to consider a revised application setting forth the new evidence.

Sincerely yours,

C. O. Mittendorf

Administrator

cc: DOCKET
CODE 400
FIELD TEAM, REG. III
R. W. GEEHAN, BUR. MINES
T. P. THAYER, USGS
ADM. READ. FILE
LEGAL

WSMartin/HCRubin/JLHofflund/WSMartin/ls
5/20/54

FILE COPY
SURNAME:

140

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

Rewritten:
Rewritten:

Martin
Geehan
Rubin
Hollund
Martin
Martin

Revised 5/20/54

Hon. George W. Malone
United States Senate
Washington 25, D. C.

My dear Senator Malone:

Reference is made to your letter of April 26, requesting that we give careful consideration to and furnish you with a report on a letter to you of April 20 from Mr. E. L. Rink, regarding denial of his application for exploration aid on his Ruth No. 1 claim, in Lyon County, Nevada, our Docket No. DMEA-3181 (Tungsten). A copy of Mr. Rink's letter was enclosed with your letter.

Mr. Rink offers to amend his application to conform his project to such recommendations as our Field Team may have made. The Field Team made no recommendation other than that the Government, on the present showing, should not participate in exploring the property.

Mr. Rink states that he intends to continue development of the subject property, and feels that the map prepared to accompany our Field Team's report would be valuable to him. We regret that the map is a part of the report which we have before explained is confidential, and we are unable to furnish copies of either the report or the map. Nevertheless, we can say that the showings of mineralization are so scattered it does not seem likely that the map would be of any substantial assistance to Mr. Rink.

Mr. Rink indicates that in view of our action on his application he thinks that the word "exploration" is inappropriate in the title of this agency. Mining men may differ on what the word "exploration" means, but this agency is limited by the definition used in its published regulations (DMEA Order-1, Amended; 19 F.R. 1563). There, the words "exploration project" are defined to mean—

> ". . . the search for <u>indicated or undeveloped</u> sources of strategic or critical metals or minerals. . ."

The denial of Mr. Rink's application is based entirely on the insufficiency of indications that the work might result in any significant discovery or development of tungsten.

Of course, if further work by Mr. Rink on the subject property discloses new evidence of significant scheelite mineralization, we shall be glad to consider a revised application setting forth the new evidence.

If there is anything further that we can do to cooperate with you, please advise us.

Sincerely yours,

Administrator

WSMartin:HCR:JLH:ep 5-11-54

Copy to: Docket
Admin. Reading File
Administrator
Field Team, Reg. III (2)
Mr. R. W. Geehan, B/M
Mr. T. P. Thayer, USGS
Mr. Martin
Mr. Hofflund
Mr. Rubin
Chron.
Pending

File Copy
Martin Gehen

Hon. George W. Malone
United States Senate
Washington 25, D. C.

My dear Senator Malone:

Reference is made to your letter of April 26, 1954, enclosing a letter to you of April 20 from Mr. E. L. Rink, regarding our denial of his application for exploration aid on his Ruth No. 1 claim, in Lyon County, Nevada, our Docket No. DMEA 3181-Tungsten.

In accordance with your request that we give the above letter closest consideration and furnish you with a report thereon, we note Mr. Rink's offer to amend his application to conform to such recommendations as our Field Team may have suggested. We do not usually outline an exploration program for an applicant unless his property appears to have so much merit that no great responsibility is incurred by the Field Team in suggesting a program.

We note also that Mr. Rink intends to continue the development of the subject property and feels that the map prepared to accompany our Field Team's report would be valuable to him. We regret that the map, like the report, is considered confidential and is not available for distribution. Because the showings of mineralization are so scattered, it does not seem likely that the map would be of any considerable assistance to Mr. Rink.

Finally, Mr. Rink suggests that the word "exploration" is without meaning in the procedures of the Administration, and questions whether the Defense Mineral Exploration Administration can show any case wherein we approved expenditures of funds under our exploration program "where only evidence of its likelihood was present." We assume that the word "its" refers to ore or strong mineralization. The DMEA enters into no contracts unless there is evidence that the property which is being explored is likely to yield ore, or strong mineralization which under certain conditions might become ore, in significant quantities.

If Mr. Rink's intended continued development of his property finds new evidence of significant scheelite mineralization, we will, of course, consider a revised application accompanied by substantiating data.

If there is anything further that we can do to cooperate with you, please advise us.

Sincerely yours,

Administrator

xx

cc: DOCKET
FIELD TEAM, REG. III
CODE 400
ADM. READ. FILE
R. W. GEEHAN, USBM
T. P. THAYER, USGS

WSMartin/ls
5/6/54

HUGH BUTLER, NEBR., CHAIRMAN

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PRICE DANIEL, TEX.

KIRKLEY S. COULTER, CHIEF CLERK

United States Senate

COMMITTEE ON
INTERIOR AND INSULAR AFFAIRS

From MeF
Routing slip dated
May 3, 1954
WSM

April 26, 1954

Mr. C. O. Mittendorf
Administrator, DMEA
Department of the Interior
Washington 25, D. C.

Dear Mr. Mittendorf:

On April 7 I received a letter from you regarding the application of Ernest L. and Ruth H. Rink, Docket No. DMEA 3181-Tungsten.

You informed me that report of your field team was considered confidential and not available for distribution, consequently, I am enclosing a copy of a letter received from Mr. Rink and would appreciate your giving it your closest consideration and furnishing me a report on this matter.

Your cooperation is very much appreciated.

Sincerely yours,

George W. Malone, USS

Encl.

448 Humboldt Street
Fallon, Nevada
April 20, 1954

Hon. George W. Malone
United States Senate
Washington 25, D. C.

Re: Docket No. DMEA 3181 - Tungsten
Ernest L. Rink and Ruth E. Rink
Ruth No. 1 claim
Lyon County, Nevada

My dear Senator Malone:

In answer to your letter of April 12th, I further state that if Mr. Mittendorf's committee has rejected my program as outlined quote 3rd paragraph of their rejection, "the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation" brings up the question in my mind did the field team have suggestions other than that outlined by myself that might be acceptable to the administration? If so I would be willing to amend my application to conform with such recommendations that may have been made.

In view of a rejection having been made after an extensive field survey and mapping of this property I feel that information so established at considerable expense of the government that informationgained by such examination should be made available to the applicant in order that this information already established could be of benefit to the applicant in the future development of this property since it is my intent to continue the development of this perperty.

From the processes that have been applied and the answer received on this application, I certainly think that the word "exploration" is without meaning in the procedure of the administration. Therefore, can the DMEA show any case wherein they approve expenditure monies under this program for actual exploration where only evidence of its likelihood was present?

I am particularily interested in the report and mapping set up by Mr. Raymond Smith, U. S. Geological Survey Office, Salt Lake City, Utah and the map so prepared would be valuable to me.

Thanking you for your interest in this matter, I remain

Very truly yours,

/s/ E. L. Rink

400

Martin
Lechan
Guild

APR 7 1954

Hon. George W. Malone
United States Senate
Washington 25, D. C.

My dear Senator Malone:

This acknowledges receipt of your letter of April 1, 1954, requesting a copy of the report by our Field Team covering the examination of the Ruth No. 1 claim, Lyon County, Nevada, of Ernest L. and Ruth H. Rink, our Docket No. DMRA 3181-Tungsten.

We regret to advise you that such Field Team reports are considered confidential and are not available for distribution. We wish to cooperate with you, however, to the fullest possible extent, and we shall be glad to have someone from your office visit our Iron and Ferro-Alloys Division and review our file copy of that report here. Alternatively, we could send one of our employees to visit your office at your convenience and bring with him for your perusal the same report.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

cc: DOCKET
CODE 400
FIELD TEAM, REG. III
ADM. READ. FILE
R. W. GEEHAN, USBM
P. W. GUILD, USGS

WSMartin/ls
4/7/54

R.C.G.

HUGH BUTLER, NEBR., CHAIRMAN
EUGENE D. MILLIKIN, COLO.
GUY CORDON, OREG.
GEORGE W. MALONE, NEV.
ARTHUR V. WATKINS, UTAH
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FRANK A. BARRETT, WYO.
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PRICE DANIEL, TEX.
KIRKLEY S. COULTER, CHIEF CLERK

United States Senate

COMMITTEE ON
INTERIOR AND INSULAR AFFAIRS

April 1, 1954

WSM

Mr. C. O. Mittendorf
Administrator, DMEA
Department of the Interior
Washington 25, D. C.

Dear Mr. Mittendorf:

I received word recently from your agency that DMEA application 3181, Tungsten, Ruth No. 1, had been rejected. I would appreciate a copy of the report your field team made in investigating the merits of this application.

Your cooperation in this matter is greatly appreciated.

Sincerely yours,

GEORGE W. MALONE, USS

400

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

Hopkins
Martin
Geehan
Guild
Thayer
Hedges
Selfridge

MAR 2 4 1954

Mr. Ernest L. Rink
448 Humboldt Street
Fallon, Nevada

Re: Docket No. DMEA 3181 - Tungsten
Ernest L. Rink and Ruth H. Rink
Ruth No. 1 claim
Lyon County, Nevada

Dear Mr. Rink:

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

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

Careful study of all our information, although noting small amounts 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. We regret to advise, under these circumstances, that your application for exploration assistance is denied.

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

Sincerely yours,

G. O. Mittendorf (fw)
Administrator

cc: DOCKET
FT, REG. III
CODE 400
ADM. READ. FILE
R. W. GEEHAN, USBM
T. P. THAYER, USGS
Open Com
JHopkins/ls
3/18/54

R.C.J. 3-24-54

Hopkins
Martin
Lechan
Gigli
Farraker

March 18, 1954

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance in the amount of $26,163.00
Docket No. DMEA 3181 - Tungsten
Ernest L. Rink and Ruth H. Rink
Ruth No. 1 claim
Lyon County, Nevada

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

(1) The applicants requested exploration assistance in the amount of $26,130.00 to explore for tungsten on the Ruth No. 1 claim, Lyon County, Nevada.

(2) The area is underlain with quartzite, hornfels, and metavolcanic rocks that have been intruded by a granodiorite stock and by andesite-porphyry dikes, and are overlain by andesite flows. The metamorphic rocks have been cut by faults in several systems and locally contain a few layers of tactite several inches wide.

(3) The tungsten ore bodies are fracture zones along faults. The ore mineral is scheelite. Only one ore body was mined; this was 50 feet long, 6 feet high, and 15 feet wide, and may have averaged .4 to .5 percent WO_3. The lower adit was driven under the ore body but revealed no tungsten ore.

(4) The tungsten showings covered by the DMEA application occur in 4 small pits 150 feet from the granodiorite contact. Samples were taken from pits that showed scheelite. Results were as follows:

No.	% WO_3	Description
1623	0.16	Cut 18" broken material South Pit
1624	0.01	2½ ft. cut at Discovery Stake
1625	0.01	3' altered material in North Cut.

R.C.G.
3-24-54

(5) The geologist and engineer of the examining team conclude that the showings of scheelite are too widely scattered and are not in sufficient quantity to justify development.

(6) The Field Team recommends that no further consideration be given to the property by the Defense Minerals Exploration Administration.

(7) The Commodity Divisions of the U. S. Bureau of Mines and Geological Survey concur in the recommendation of the Field Team.

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

cc: DOCKET
CODE 400
OPER. COMM.
ADM. READ. FILE

JHopkins/ls
3/18/54

FILE COPY
SURNAME:

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

MAR 2 4 1954

Hon. George W. Malone
United States Senate
Washington 25, D. C.

My dear Senator Malone:

Reference is made to our letter to you dated March 5, 1954, reporting the status of the application for exploration assistance by Mr. R. L. Rink, 448 Humboldt Street, Fallon, Nevada (Our Docket No. DME 3181 - Tungsten). The field examination report on the property mentioned in our above-noted letter has been received and reviewed by the Iron and Ferro-Alloys Division.

The review of the Field Team report and other available information indicates that although some tungsten mineralization occurs on Mr. Rink's property it is infrequent and very low in grade. In view of the weak mineralization, as well as the lack of evidence of structure continuity, we feel that Government assistance in Mr. Rink's proposed exploration program is not warranted and have so advised him.

We regret that we are unable to find sufficient justification to furnish assistance in this case.

Sincerely yours,

C. O. Mitterdorf

Administrator

JHopkins/FEJohnson/ls/bih
3/24/54
cc to: Docket
Admr. Reading File
Region III (2)
Messrs. R.W.Geehan USBM
T.P.Thayer USGS
Hopkins
F.E.Johnson

R.C.S. 3-24-54

Hopkins
Martin
Gehan
Guild
Lovatke
Hedges
Selfridge

Hon. George W. Malone
United States Senate
Washington 25, D. C.

My dear Senator Malone:

Reference is made to our letter to you dated March 5, 1954, reporting the status of the application for exploration assistance submitted by Mr. E. L. Rink, 448 Humboldt Street, Fallon, Nevada (Our Docket No. DMEA 3181 - Tungsten). The field examination report on the property, mentioned in our above-noted letter, has just been received and reviewed by the Iron and Ferro-Alloys Division.

A careful study of all our information, although noting small amounts of tungsten mineralization on the property owned by Mr. Rink, indicates to us that the possibility of disclosing minable ore reserves by his proposed program is not sufficiently promising to justify Government participation. Therefore, we regret to advise you, under the circumstances, that his application for exploration assistance has been denied.

We have advised Mr. Rink of this action and have expressed our appreciation for his interest in the Defense Minerals Exploration Administration program and for bringing his property to our attention.

Sincerely yours,

S. O. Mittendorf

Administrator

cc: DOCKET
FT, REG. III
CODE 400
ADM. READ. FILE
R. W. GEEHAN, USBM
T. P. THAYER, USGS

JHopkins/ls
3/18/54

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

March 18, 1954

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance in the amount of $26,163.00
Docket No. DMEA 3181 - Tungsten
Ernest L. Rink and Ruth H. Rink
Ruth No. 1 claim
Lyon County, Nevada

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

(1) The applicants requested exploration assistance in the amount of $26,130.00 to explore for tungsten on the Ruth No. 1 claim, Lyon County, Nevada.

(2) The area is underlain with quartzite, hornfels, and metavolcanic rocks that have been intruded by a granodiorite stock and by andesite-porphyry dikes, and are overlain by andesite flows. The metamorphic rocks have been cut by faults in several systems and locally contain a few layers of tactite several inches wide.

(3) The tungsten ore bodies are fracture zones along faults. The ore mineral is scheelite. Only one ore body was mined; this was 50 feet long, 6 feet high, and 15 feet wide, and may have averaged .4 to .5 percent WO_3. The lower adit was driven under the ore body but revealed no tungsten ore.

(4) The tungsten showings covered by the DMEA application occur in 4 small pits 150 feet from the granodiorite contact. Samples were taken from pits that showed scheelite. Results were as follows:

No.	% WO_3	Description
1623	0.16	Cut 18" broken material South Pit
1624	0.01	2½ ft. cut at Discovery Stake
1625	0.01	3' altered material in North Cut.

(5) The geologist and engineer of the examining team conclude that the showings of scheelite are too widely scattered and are not in sufficient quantity to justify development.

(6) The Field Team recommends that no further consideration be given to the property by the Defense Minerals Exploration Administration.

(7) The Commodity Divisions of the U. S. Bureau of Mines and Geological Survey concur in the recommendation of the Field Team.

W S Martin

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

Docket

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

1012 Flood Bldg.
870 Market Street
San Francisco 2, Calif.

March 11, 1954

WSAY

Memorandum

To: George C. Selfridge, Operating Committee, DMEA, Washington, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3181 - Tungsten
Ernest L. & Ruth E. Rink
Ruth Claims, Lyon County, Nevada

Reference is made to your letter dated October 29, 1953, requesting a field examination of the subject property.

Attached are four copies of an examination report, entitled "DMEA-3181, Ruth Tungsten, Lyon County, Nevada, " by W. T. Benson, Mining Engineer, U. S. Bureau of Mines, and Roscoe M. Smith, Geologist, U.S.Geological Survey, dated March 5, 1954.

According to the report, the showings of scheelite on the subject property are too widely scattered and are not in sufficient quantity to justify development. Further consideration of the property by the DMEA is not therefore recommended.

H. C. Miller
Executive Officer, DMEA Field Team
Region III

Attachment

Copy to: R. M. Smith, USGS
A. C. Johnson, Reno

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

3/22/54

DMEA-3181, Ruth Tungsten

Lyon County, Nev.

W. T. Benson, Mining Engineer
U. S. Bureau of Mines

Roscoe M. Smith, Geologist
U. S. Geological Survey

March 5, 1954

EXAMINATION REPORT

Docket No.: DMEA-3181 (Tungsten)

Name and address of applicant: Ernest L. Rink
448 Humboldt Street
Fallon, Nev.

Name and location of property: Ruth Tungsten, Lyon County, Nev.

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

Ernest L. and Ruth Rink, co-partners, 448 Humboldt Street, Fallon, Nev., applied to the Defense Minerals Exploration Administration for government assistance in a $26,163.00 program to explore surface and underground showings of scheelite on the Ruth claim, situated in north central Lyon County, Nev.

A field examination was requested by the Executive Officer, DMEA Field Team, Region III, to determine if the ore reserves are sufficient to justify the project proposed by the applicant and to obtain data necessary to complete a contract. Accordingly, an examination was made of the property on November 16, 1953 by an engineer of the Bureau of Mines and a geologist of the U.S. Geological Survey.

The applicant proposed to do some surface stripping and trenching with a bulldozer and to do some shaft sinking and drifting estimated to cost $26,163.

The showings of scheelite on the property are too widely scattered and are not in sufficient quantity to justify development.

Further consideration of the property by the Defense Minerals Exploration Administration is not recommended.

INTRODUCTION

In connection with an application for exploration assistance (docket DMEA-3181), the Ruth mining claims were visited on Nov. 16, 1953 by an engineer of the Bureau of Mines and a geologist of the U.S. Geological Survey. The purpose of the visit was to inspect development openings that pertain to Mr. Ernest L. Rink's application for aid in exploring tungsten showings found on the Ruth claims.

PROPERTY HOLDINGS AND ACCESSIBILITY

Property holdings comprise one claim known as the Ruth which is situated in T. 17 N., R. 24 E., Lyon County, Nev., about three miles north of Old Fort Churchill. It is 38 miles southwest of Fallon, the supply base (fig. 1) and 3.5 miles southwest of Weeks, where there is a loading ramp on the Hazen to Mina branch line of the Southern Pacific Railroad.

To reach the property from Fernley, State highway 95, alternate route, is followed south 25 miles to the Fort Churchill turnoff. From this point a poor mountain road is traveled north and west two miles to the property.

COMPETENCY OF APPLICANT

The experience of Ernest L. Rink comprises merchandising as owner, independent mine owner, and from 1936 to 1945 superintendent

and general manager of Cambridge Mining Co., Inc.

HISTORY

Aside for some prospecting, the only mining done in the area was during the World War II period at which time it is estimated that possibly 50 tons of 0.5 percent tungsten ore was mined from the old Ruth workings (fig. 3).

The Rink location adjoining the old Ruth location was made May 3, 1951. Only location and assessment work has been done on the claim in recent years.

PHYSICAL FEATURES

The claim is located in the low foothills of a range of mountains that front the Carson river basin on the west. The altitudes in the vicinity range from 5500 feet on the property to 6500 feet in the higher hills immediately to the west. The climate in the area is semi-arid with long hot summers and moderately cold winters. Precipitation occurs usually as snow with occasional rains during the fall and spring months. Winter storms are not severe enough to impede mining operations. Water for domestic and mine use is scarce. For general use, it would have to be supplied in drums by truck from a farm house on the Carson river, three miles south. A scattered growth of desert grass constitutes the vegetation on the property.

No transmitted electric power is available. For generation of

power, it would be necessary to supply fuel oil in drums by truck from Fallon, 38 miles northeast.

HOUSING FACILITIES AND EQUIPMENT

No housing facilities or equipment is on the property.

DEVELOPMENT

Development openings on the property comprise four small trenches and a pit 4 feet deep.

GEOLOGY

In the area of the Ruth Tungsten mine, quartzite, hornfels, and meta-volcanic rocks have been intruded by a granodiorite stock and by andesite-porphyry dikes, and are overlain by andesite flows. The metamorphic rocks have been cut by faults in several systems, and locally contain a few layers of tactite several inches wide.

ORE DEPOSITS

The tungsten ore bodies in the Ruth mine are fracture zones along faults of small displacement which cut metamorphic rocks. The ore mineral is scheelite which occurs without gangue. Only one ore body was mined: this was 50 feet long, 6 feet high and 15 feet wide and may have averaged 0.4 to 0.5 percent WO_3. The Lower adit of the Ruth mine (fig. 3) was driven under the ore body but revealed no tungsten ore.

The tungsten showings covered by the DMEA application occur in four small prospect pits (fig. 2) about 1,000 feet north of the Ruth Tungsten mine and about 150 feet from the granodiorite contact. Scheelite is revealed

in three of the pits as shown in figure 3. In the most northerly pit a few crystals of scheelite occur in tactite on one side of the pit only, and a few pieces of ore (0.5 percent WO_3) occur on the dump. The most westerly pit reveals scheelite on one side of the pit only in a triangular shape 16 inches high. In the most southerly pit, a patch of scheelite-bearing tactite 5 inches long and 1-1/2 inches wide occurs on one side of the pit. These patches of tactite may average 0.5 percent WO_3.

North of the scheelite showings there are a few small pits along the granodiorite contact where specimens containing thin crusts of hyalite (which fluoresces blue green) have been found and reported by the owner to be uranium. Samples taken from these pits assayed 0.00 percent U_3O_8.

SAMPLING

For the purpose of record, samples were taken from pits showing scheelite. Location of the samples are shown on figures 2 and 3. The samples were tested for scheelite and radioactivity since it was reported specimens taken from the area fluoresced blue green. Results were as follows:

Sample No.	%, WO_3	Radioactivity	Description
1623	0.16	None detected	Cut across 18 inches broken material in south pit.
1624	0.01	" "	Cut across 2-1/2 feet in cut at discovery stake.
1625	0.01	" "	Cut across 3 feet altered surface material in north cut.

ORE RESERVES

There are no ore reserves of any class at the Ruth Tungsten prospect.

PROPOSED EXPLORATION

The applicant proposed to do exploratory work in two stages. In the first stage some surface stripping and trenching was proposed. Resulting from this work and providing worthwhile tungsten showings were disclosed, some shaft sinking and drifting would be done. For this work, it would be necessary to purchase a truck, mining equipment, and construct a bunk house. To complete the two stages, it was estimated the cost would be $26,163.

CONCLUSIONS

The showings of tungsten on the property are too widely scattered and are not in sufficient quantity to justify development. Further consideration of the property by the Defense Minerals Exploration Administration is not recommended.

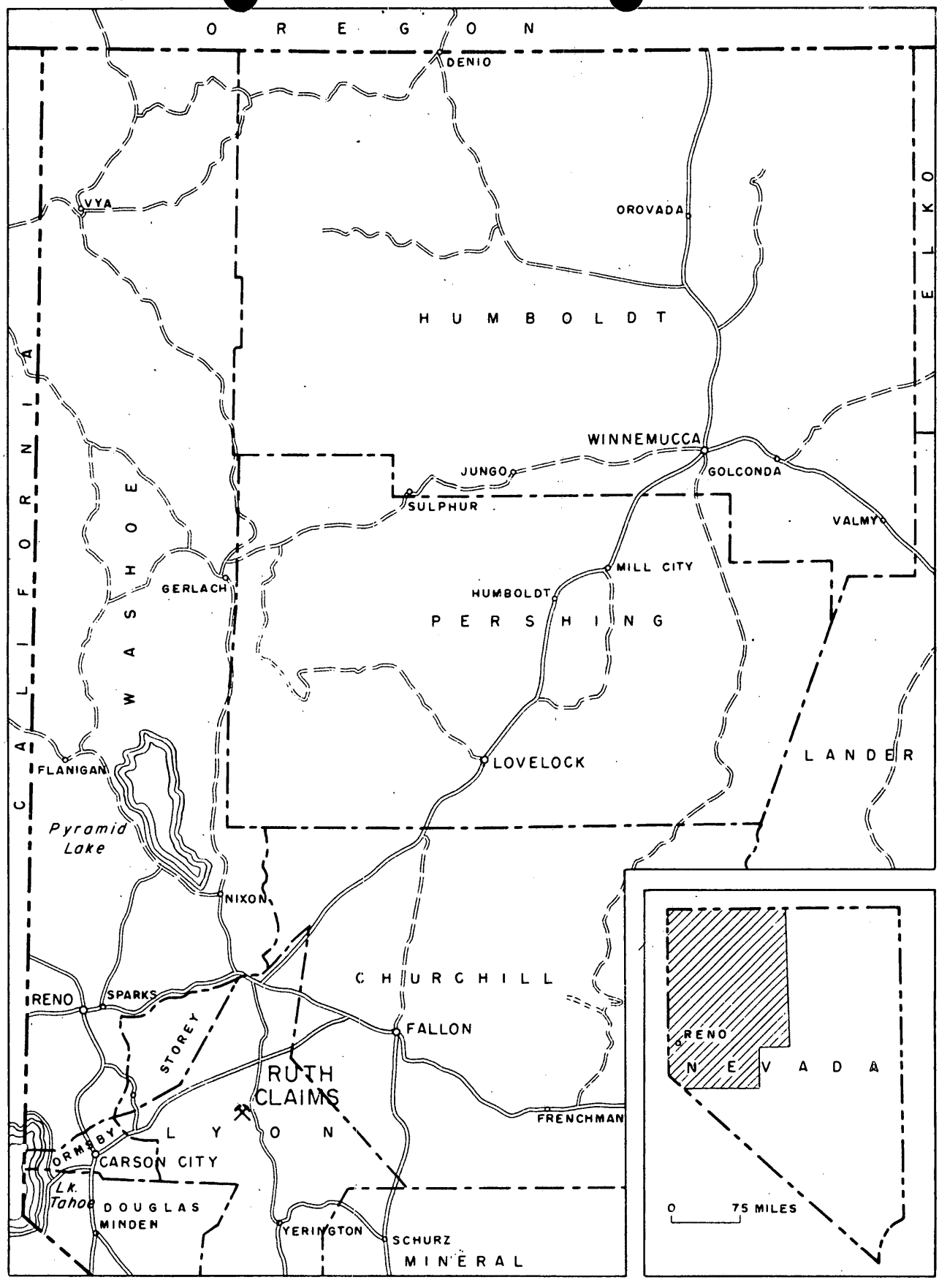

FIG. I INDEX MAP OF NORTH WEST NEVADA

10 0 10 20 MILES

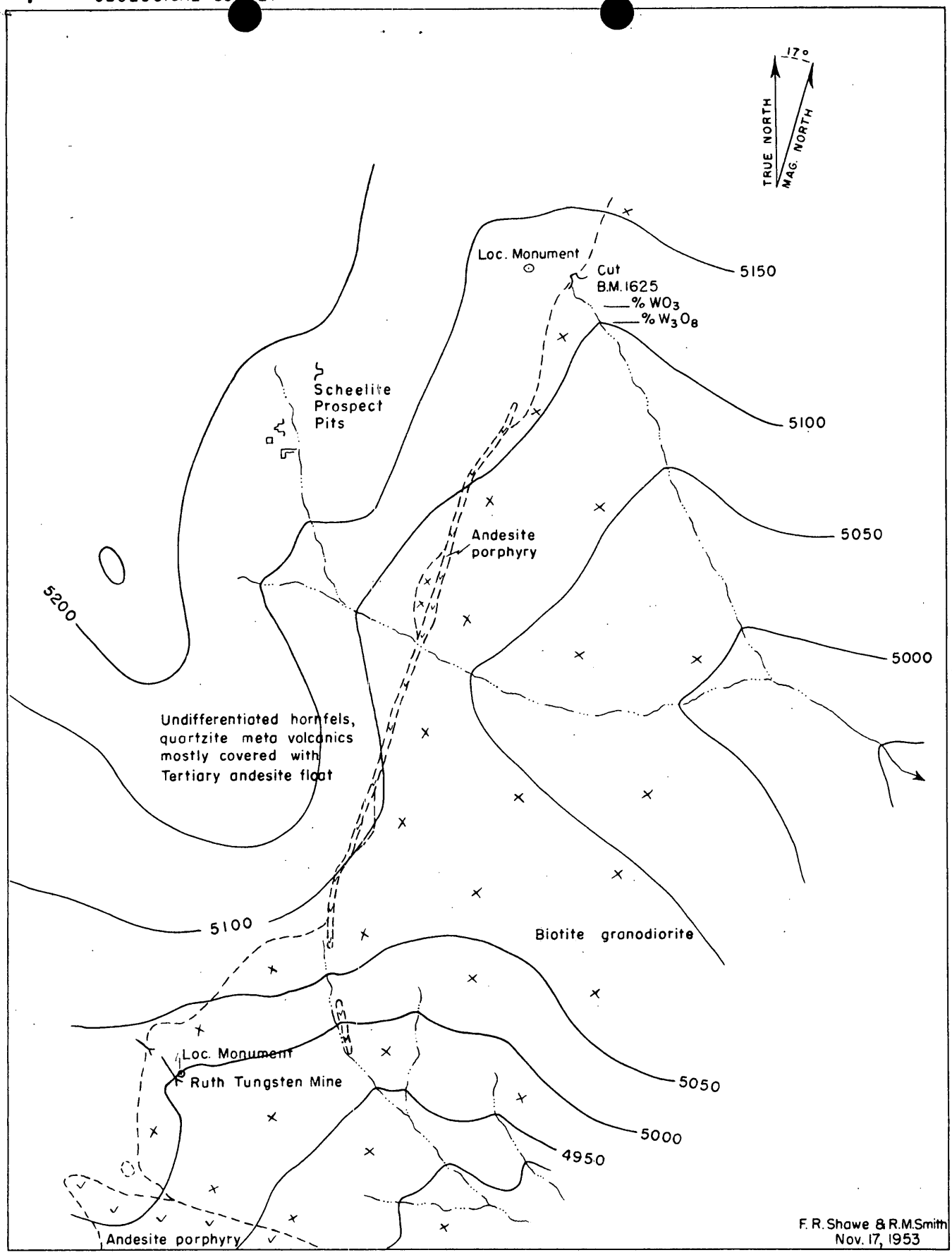

FIG. 2 GEOLOGIC SKETCH MAP – RUTH CLAIMS
LYON COUNTY, NEVADA

0 200 400 FEET
SCALE

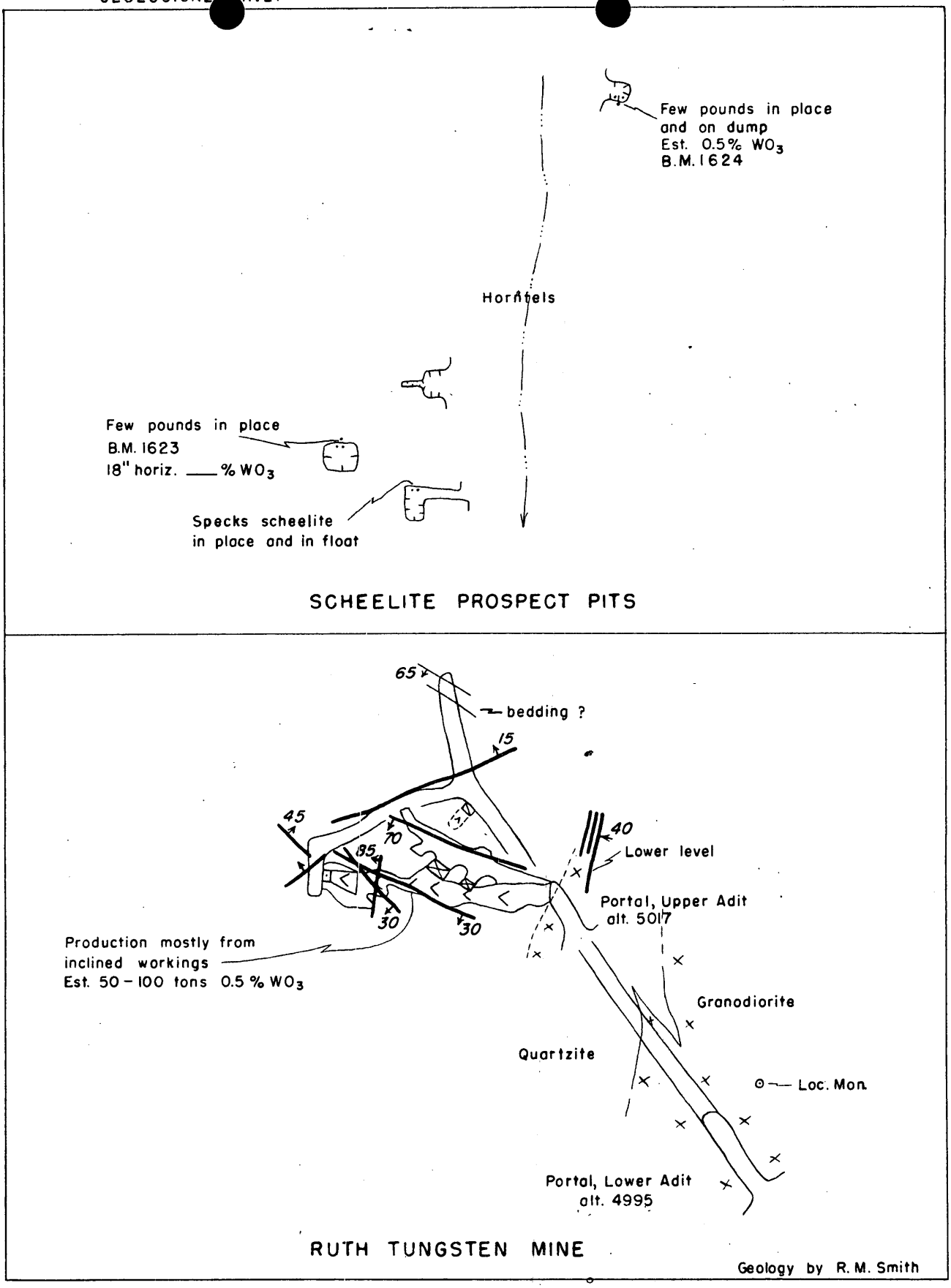

FIG. 3 RUTH TUNGSTEN PROSPECT
LYON COUNTY, NEVADA

0 40 80 FEET
Scale

DOCKET

Martin

MAR 5 1954

Hon. George W. Malone
United States Senate
Washington 25, D. C.

Dear Senator Malone:

This will acknowledge receipt of your letter of March 2, 1954, inquiring of our Iron and Ferro-Alloys Division as to the status of an application submitted by Mr. E. L. Rink, 448 Humboldt Street, Fallon, Nevada, for exploration assistance at the Ruth claims, Lyon County, Nevada, our Docket No. DMEA 3181-Tungsten

By an exchange of telegrams we are informed that the report of our Field Team will probably be mailed to us in the next few days. Review of such reports by the several commodity group members here is usually completed within one week for projects clearly warranting the exploration assistance proposed or those in our judgment without sufficient merit for Government aid. Borderline cases may take a little longer to approve or disapprove.

As soon as the report of the Field Team is received here, our review of Mr. Rink's application will be expedited, and you will be advised promptly about our action.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

cc: Docket
Field Team, Reg. 3
Code 400
Adm. Read. File
R. W. Geehan - USBM
T. P. Thayer - USGS

WSMartin/ls 3/5/54

DOCKET

Martin
Yeffman

00

AIR MAIL

Mr. Ernest L. Rink
448 Humboldt Street
Fallon, Nevada

MAR 5 1954

Re: Docket No. DMEA 3181 - Tungsten
Rink, Ernest L. & Ruth H.
Ruth claims
Lyon County, Nevada

Dear Mr. Rink:

Reference is made to your letter of February 23, 1954, inquiring of our Iron and Ferro-Alloys Division as to the status of the subject application.

We have been advised that the report by our Field Team will probably be mailed to us in the next few days. Review of such reports by the several commodity group members here is usually completed within one week for projects clearly warranting the exploration assistance proposed, or those in our judgment without sufficient merit for Government aid. Borderline cases may take a little longer to approve or disapprove.

As soon as the Field Team report is received here, our review of your application will be expedited and you will be advised promptly about our action.

Sincerely yours,

C. C. Mittendorf (fw)

Administrator

CC: Docket
FT, Reg. 3
Code 400
Adm. Read. File
R. W. Geehan, USBM
T. P. Thayer, USGS

WSMartin/ls 3/5/54

R.C.G. 3-5-54

Docket

Extract from Region III Report
for
January 1954
on
DMEA Activities

DMEA-3181 - (Tungsten) Ruth Tungsten Claims, Lyon County, Nevada

A joint report is being prepared by the Bureau of Mines and U. S. Geological Survey. The engineer and geologist are in agreement that the property does not have sufficient merit to warrant an exploration loan.

HUGH BUTLER, NEBR., CHAIRMAN
EUGENE D. MILLIKIN, COLO.
GUY CORDON, OREG.
GEORGE W. MALONE, NEV.
ARTHUR V. WATKINS, UTAH
HENRY C. DWORSHAK, IDAHO
THOMAS H. KUCHEL, CALIF.
FRANK A. BARRETT, WYO.
JAMES E. MURRAY, MONT.
CLINTON P. ANDERSON, N. MEX.
RUSSELL B. LONG, LA.
GEORGE A. SMATHERS, FLA.
EARLE C. CLEMENTS, KY.
HENRY M. JACKSON, WASH.
PRICE DANIEL, TEX.

KIRKLEY S. COULTER, CHIEF CLERK

United States Senate

COMMITTEE ON
INTERIOR AND INSULAR AFFAIRS

DEPARTMENT OF THE
Defense Minerals Adm.
RECEIVED
MAR 5 - 1954

March 2, 1954

Postmarked March 4

Mr. W. S. Martin, Chief
Iron and Ferro-Alloys Division
Defense Minerals Exploration Administration
Washington 25, D. C.

Dear Mr. Martin:

It has been brought to my attention that a constituent of mine, Mr. E. L. Rink, 448 Humboldt Street, Fallon, Nevada, has made application for a loan, your number, Docket No. DMEA 3181 - Tungsten, Ruth claims, Lyon County, Nevada.

Will you be good enough to give me a progress report on this application.

Sincerely yours,

GEORGE W. MALONE, U.S.S.

United States Senate

COMMITTEE ON
INTERIOR AND INSULAR AFFAIRS

FREE

WASHINGTON, D.C.
MAR 4
1954

U. S. S.

Mr. W. S. Martin, Chief
Iron and Ferro-Alloys Division
Defense Minerals Exploration Administration
Washington 25, D. C.

DOCKET

Ruthledge
Martin
Selfridge
Mr Burton
Whitehead

Department of the Interior

Defense Minerals Exploration Administration

XXXXXXXXXXXXXXXXXXXXX

14X3923.970 - Working Fund - DMEA

TELETYPE

March 4, 1954

To: H. C. Miller, DMEA Executive Officer, Region 3, San Francisco, California

Re Docket DMEA 3181-Tungsten, E. L. Rink. Please advise approximately when report of field examination can be expected. Applicant is anxious to start work.

George C. Selfridge
G. C. Selfridge
Chairman, Operating Committee

cc: Docket
FT, Reg. 3 - confirmation
Adm. Read. File
Oper. Committee
Code 400
Audits Divn., Bur. Mines
R. W. Geehan, USBM
T. P. Thayer, USGS

WSMartin/ls
3/4/54

R.C.Rink
3-4-54

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 26 1954

448 HumBoldt Street
Fallon, Nevada
February 23, 1954

W. S. Martin, Chief
Iron and Ferro-Alloys Division
Defense Minerals Exploration Admin.
Washington 25, D.C.

WSM

Re: Docket No.DMEA 3181 -Tungsten
Ruth claims
Lyon County, Nevada

Dear Sir:

I have not heard a word from your office since the examination conducted in November 1953 by Ramond Smith of the Geological Survey and Mr. Benson of Bureau of Mines, Reno, Nevada

Please advise as to why this has not been acted upon. I am ready to get at this project March 1st or as soon thereafter as you may give me the go ahead.

I will be expecting an answer as soon as possible.

Yours sincerely,

Ernest L Rink

E. L. RINK

Copy to: Senator George Malone.

400

FILE COPY
SURNAME:

Rutledge
Martin
Geehan
Rogers
Stoddard
Fitzhugh

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

OCT 29 1953

Mr. and Mrs. E. L. Rink
448 Humboldt Street
Fallon, Nevada

Re: Docket No. DMEA 3181, Tungsten
Ruth claims
Lyon County, Nevada

Dear Mr. and Mrs. Rink:

This will acknowledge your letter of October 20, 1953. Reference is also made to the above-docket application for exploration assistance, which has been reviewed by the Iron and Ferro-Alloys Division of the Defense Minerals Exploration Administration and referred to Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region III, 1012 Flood Building, 870 Market Street, San Francisco 2, California, for a field examination of the property.

The Regional Office will contact you at an early date with regard to an examination of your property. Any assistance that you can render the members of the Field Team during the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

CC: DOCKET
FT, REG. III
CODE 400
ADM. READ. FILE
R. W. GEEHAN, USHBM
T. P. THAYER, USGS

FARutledge/ls
10/23/53

R.C.G.
10-29-53

FILE COPY
SURNAME:

Rutledge
Mendenhall
Fulton
Selfridge
Hillendahl

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

OCT 29 1953

Mr. H. C. Miller, Executive Officer
DMEA Field Team, Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket No. DMEA 3181 - Tungsten
Ernest L. & Ruth E. Rink
Ruth claims
Lyon County, Nevada

Dear Mr. Miller:

Reference is made to the above-docket application for exploration assistance which is being referred to your office for a field examination of the property.

In reviewing the application, it was noted that Stage I is composed of bulldozing for construction of an access road and trenching and stripping of the mineralized zone. The map submitted by the applicants indicates that they have at least one additional claim in the area that would benefit from the access road. If an exploration project is recommended, this and any other claims owned by the applicants that would benefit from the exploration program should be included in the description of the property.

The costs estimated under Stage II of the proposed project are high. The ownership of the equipment to be used should be investigated during the examination. If, as the applicants state, the leasing of the equipment will be part of their share of the project costs, then they possibly may be classed as owners and the use of the equipment should be on a depreciation basis.

A memorandum by T. P. Thayer, Geological Survey, has been prepared and is enclosed for your information. Also enclosed are copies of additional information obtained from the applicants.

During the course of your examination you may find it advisable to explain to the applicants that our program does not include the prospecting that necessarily precedes exploration, and that we therefore require every applicant to provide enough information about his property to enable us to determine whether a field

R.C.H.
10-29-53

examination is warranted. Furthermore, the applicant quotes answer No. 15 of the DMEA pamphlet, but has apparently overlooked answer No. 14, which states (underlining not included in original): "If the Government has sufficient data on hand to determine whether <u>or not</u> a project is worthwhile, it may act on your application at once."

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (2/6)

Enclosures

APPROVED:

J. H. Hedges

Member, Bureau of Mines (2/6)

T. P. Thayer

Member, Geological Survey (2/6)

CC: DOCKET ✓
FT, REG. 3
CODE 400
OPER. COMMITTEE
ADM. READ. FILE
R. W. GEEHAN, USBM
T. P. THAYER, USGS

FARutledge/WSMartin/ls
10/23/53

448 Humbold[illegible] Street
Fallon, Neva[illegible]
October 20, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 22 1953

W. S. Martin, Chief
Iron and Ferro-Alloys Division
US Department of Interior
Defense Minerals Exploration Administration
Washington, D.C.

RE: Docket No. DMEA 3181 - Tungsten
Ruth Claims
Lyon County, Nevada

Dear Mr. Martin:

WSM

In answer to your letter dated October 13, 1953 in so far as possible I will answer the three question requested.

1. The length of veins is very evident to be a 1000 feet or more. One such vein on contact being 2 feet wide and running the full length of the claim, andis referred to in the inclosedassay report as #2. While the No. 1 sample in the report showed 0.46% scheelite and came from the outcrop approximately 10 feet width of tactite and otherwise known as alaskite is in evidence for over 500 feet.

2. An inclosed assay report of this same tactite or alaskite is hereby furnished. This assay was taken from one specific location at Point A on the map inclosed with the original application and from the float uncovered at this point most any grade of sample could be obtained, from 15% to a trace of scheelite. This sample was taken with the idea of giving an average sample across the 10 foot structure.

3. Reference is made to 4. c. on the original application to which I can add no more. Since the purpose of Part I of the exploration project was to further explore the width and extent of the vein systems this question of a necessity must be incomplete.

I am of the opinion that exploration as is meant in the DMEA program would be applicable where evidence leading to the likely presence of of certain minerals from a geological standpoint occur and would cease to be an exploration project after the minerals sought for and found in place in workable quantity and quality. Therefore, if I had all the data as appeared that your office desires I could safely say that it was or was not a mine and likely not need the assistance of the DMEA. In expressing my opinion thus I do not wish to take the position of dictating your policy but merely expressing my personal view which I think is fully substantiated in the Question andAnswers of The DMEA pamphlet issued by youroffice on page 4, article 15, item 1. Quote, " based on the geological possibilities on making a significance discovery".

Will you promptly give this your attention as the weather is advancing fast toward winter and would be greatly appreciated.

I also feel that since the examining office is at Reno, Nevada and is so close to this property at Weeks, Nevada that even a statement as originally made in the application would warrant an examination and especially when the application comes from a man of many years of mining experiance is involved.

Very truly yours,

Ernest L. Rink

E. L. RINK

Encl. 1 Assay Report

Copy retained 400

ROCK AND MINERAL ANALYTICAL ASSAY REPORT BY GEORGE GIBBONS HAYES

4452 Raleigh Street Denver 12, Colorado.

NOTE: All tests are Chemical and Acid assays, and are approximate. For Gold, alone, a Fire Assay is recommended. All rocks checked with microscope, magnified 50x. Every rock checked with a Mineralight for fluorescent reactions. Rocks pulverized to 60 mesh, and tested with blowpipe to a temperature of 1400 degrees C. Every rock checked with a Geiger Counter and an Alpha Gamma Ray Counter to determine uranium, thorium, and other rare minerals. A Geiger count of 70-80 "clicks" per minute is evidence of uranium traces. And a steady Geiger count of about 186 "clicks," plus 19 gamma ray counts per minute, indicates an approximate 4% uranium. Should your sample show a "good count," I will give you the address of the nearest Chief, Metallurgical Division, U.S. Bureau of Mines Branch, so you can send a like sample for their examination and reactions. This service is free—make use of it! *The Old Rockhound of The Rockies.*

SAMPLE NO. -3- DATE April-20-1953 FOR E.L.Rink,Babbitt,Nevada...

Name of Rock Calcareous Alaskite(alaskite is also called "feldspathic quartz)

Rock Type Igneous;medium hard to medium soft quartz with a great deal of spar..

Streak Plate Color Slight;yellow-brown from limonite..

Mineralight Reaction Scattered spots of blue-white--from scheelite reactions..

Geiger Counter 44 "clicks" per minute Average radioactive..

Alpha Gamma Ray Counter X "counts" per minute

Microscope Check Pale green augite crystals;with calcite appearing in amber,resinous crystals in contrast to glassy,transparent crystals of quartz. Limonite,brown-yel.

Blowpipe Reactions (flame color, etc.) With Hcl acid,a red flame from calcite..amd with a solution of cobalt nitratr--a deep blue sublimate from aluminum in feldspar..

HARD ROCK COMMENTS: With a sample pulverized,then heated in concentrated Hcl acid, plus tin metal(20 mesh)--a pale blue precipitate proves better than just traces in tungsten--and mineralight proves the scheelite--so this could be a source of tungsten.Now alaskite favors granite structure-- and wolframite and ferberite,the important source of tungsten always favors granite and gneiss structures--so-- any granite or gneiss in close vicinity,such as No.2--the granitic quartz--might show some tuntsten--this would not fluorescent,as only scheelite will--the name "alaskite" is from quartz dikes high in feldspar --commonnin Alaska..

Approximate Non-Metallic Values Per Ton

Mica		Form	
Talc	1.7%	Form	Magnesium silicate..
Barite		Form	
Quartz	47%	Form	Silica..
Carbon		Form	
Sulphur		Form	
Calcium	5.7%	Form	Carbon#--calcite--fizzes lively in acids..
Feldspar	22%	Form	Orthoclase--often called pink spar(KAlSi)
Fluorspar		Form	
Phosphate		Form	
Volcanic Ash		Form	
Pyroxene Group	18.5%	Form	Augite and diopside...
Amphibole Group		Form	
		Form	
		Form	

Approximate Metallic Values Per Ton

Iron	6%	Form	Oxide--limonite---
Gold		Form	
Lead		Form	
Zinc		Form	
Silver		Form	
Copper		Form	
Nickel		Form	
Arsenic		Form	
Uranium		Form	
Mercury		Form	
Tungsten	0.46% *	Form	Scheelite---* Value undetermined...
Titanium		Form	
Antimony		Form	
Chromium		Form	
Vanadium		Form	
Manganese		Form	
Molybdenum		Form	
		Form	

Approx. Values per ton $ *Undetermined...

400 FILE COPY
SURNAME:

Rutledge
Martin

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

OCT 13 1953

Mr. & Mrs. E. L. Rink
448 Humboldt Street
Fallon, Nevada

Re: Docket No. DMEA 3181 - Tungsten
Ruth claims
Lyon County, Nevada

Dear Mr. & Mrs. Rink:

Your application for exploration assistance in exploring for tungsten on the referenced property has been reviewed by the Iron and Ferro-Alloys Division, Defense Minerals Exploration Administration.

The information submitted with your application is insufficient to justify a field examination by the Government. No data were submitted to substantiate the occurrence of tungsten on the Ruth claims. Before your application can be considered further, you should furnish us with the following data:

1. Length and width of tungsten-bearing veins.

2. Assays of representative samples of ore.

3. Location and number of veins. Please indicate their relative position on a sketch map and show location and length of samples.

We will, therefore, hold your application in abeyance until the requested data have been received.

Sincerely yours,

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

FARutledge:foc
10-12-53
cc: Docket
Code 400
Admr. Reading File

R.C.G.
10-13-53

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 5 - 1954

20 WA SFS /I-BOM/

SAN FRANCISCO CALIF 3-4-54 253P

WSM

GEORGE C. SELFRIDGE, CHAIRMAN

OPERATING COMMITTEE, DEFENSE MINERALS EXPLORATION ADM, INTERIOR BLDG WA

DOCKET DMEA 3181 TUNGSTEN, E.L. RINK. REURTT MRACH 4. FIELD EXAMINATION COMPLETED AND REPORT BEING TYPED IN RENO. REPORT PROBABLY WILL BE MAILED TO YOU NEXT WEEK.

H. C. MILLER EXECUTIVE OFFICER, DMEA FIELD TEAM REGION III

DMEA 3181

EW 309P

AT

MAR 5 9 38 AM '54
BUREAU OF MINES
MAIL ROOM
WASHINGTON D. C.

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT - 6 1953

October 6, 1953

Memorandum

To: W. S. Martin, DMEA

From: T. P. Thayer, USGS

Subject: DMEA-3181, Tungsten
Ernest Loyd Ring and
Ruth Evelyn Rink
448 Humboldt Street
Fallon, Nevada

The applicants propose to spend $26,163 for surface trenching, shaft sinking and drifting, on veins in limestone near a "granite" contact. The location of the deposit is not given in enough detail to tell whether it is one examined by the Geological Survey in 1942 or not. It probably is not, but at time of examination of district in 1942, no significant deposits were known.

The applicant presents no data on dimensions, grade, or number of veins. It is necessary, therefore, that such information be gotten before considering referring the application to the field. The lack of data cause me to wonder how competent the applicant would be, despite his claim to being "an independent mine owner for a number of years".

When the applicant presents specific data on grade and size of veins, the docket will have to be referred to the field.

T. P. Thayer

T. P. Thayer

Copy retained 400

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

October 2, 1953

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number DMEA-3181

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

DMEA - 3181 Ruth No. 1

ROBERT E. ADAMS

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

Mr. & Mrs. E.L. Rink
448 Humboldt Street
Fallon, Nevada

October 2, 1953
Subject: DMEA-3181
Re: Exploration Assistance
Ruth No. 1

Dear Mr & Mrs. Rink:

The receipt of your application dated September 24, 1953, for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3181 and referred to the Iron and Ferro-Alloys Division.

Kindly refer to DMEA-3181 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Chief, Operations Control
and Statistics Division

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT - 2 1953

1012 Flood Bldg.
870 Market St.
San Francisco 2, Calif.

Sept. 28, 1953

Memorandum

To: Defense Minerals Exploration Administration,
Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Loan Application Forms MF-103 - Tungsten
Ernest L. Rink and Ruth E. Rink
448 Humboldt Street, Fallon, Nevada

Attached are three sets of MF-103 forms received in our mail today from Mr. Rink, making application for a loan totalling $26,163.00. The fourth set has been retained for our records.

H. C. Miller
Executive Officer, DMEA Field Team
Region III

Attachment

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT - 2 1953

1012 Flood Bldg.
870 Market St.
San Francisco 2, Calif.

Sept. 28, 1953

Memorandum

To: Defense Minerals Exploration Administration,
Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Loan Application Forms MF-103 - Tungsten
Ernest L. Rink and Ruth E. Rink
448 Humboldt Street, Fallon, Nevada

Attached are three sets of MF-103 forms received in our mail today from Mr. Rink, making application for a loan totalling $26,163.00. The fourth set has been retained for our records.

H. C. MILLER

H. C. Miller
Executive Officer, DMEA Field Team
Region III

Attachment

Please Process this as rapidly as possible since fall weather is here - the right time to get the bulldozing done

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT - 2 1953

In case Contract by Cambridge Mining Co. is effected on Part 2 of Project all equipment & materials will be furnished by said Co. excepting truck as described at 1250.

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED

1953 SEP 28 AM 8:20

SAN FRANCISCO, CALIFORNIA

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT - 2 1953

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- 3181
Metal or Mineral
Date Received 10-2-53
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Ernest Loyd Rink and Ruth Evelyn Rink, copartners, man and wife residing at 448 Humboldt Street, Fallon, Nevada

(*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 an unpatented mining claim, named Ruth No. 1, owned entirely by Ernest L. Rink and Ruth E. Rink, unencumbered. Located February 6, 1951, Certificate of Location filed at Yerington Nevada, May 3, 1951 File No. 58976, Book W, Page 469

(*b*) State any mine name by which the property is known. see 3a Lyon County

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise see 3a

(*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 see 3a

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. see3a

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. none

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

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

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

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

(*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 10 days and be completed within 24 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 September 24, 1953

Ernest E. Rink
(Applicant)

By Ernest E. Rink

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT - 2 1953

4.(a) Surface prospecting by hand trenching and shallow prospect holes. Good grade scheelite float found in a well defined zone as shown on map through (a) and (b). At (a) Hole No. 2 which is 5 feet in depth exposes tactite with one bunch of scheelite about 4 feet below the surface in decomposed tactite with much good grade float in surface detritus. At Point B the same structure has been trenched with surface showings of scheelite. At Points C and D on map shallow trenching has exposed nearly vertical talc slips with no scheelite in evidence. This preliminary work being done this season. It is accessable by jeep only to Point E on map. I have a jeep and would be able to take examining parties from the highway to Point E on map.

4.(b) No.

4.(c) Refer to map which is self explanatory as to geology. All indications are that veins systems are vertical and parallel to the grantic contact as shown and that the scheelite float so far found is about 100 to 150 feet from the true contact. No geologists or engineers have been called in on this prospect.

4.(d) The shipping point would be 3 1/2 miles to a siding and ramp at Weeks, Nevada on Southern Pacific, Hawthorne and Hazen Branch. Nearest point to resident town is about 8 miles which is a new town site called Silver Springs, Nevada located at the intersection of U.S. Highways No 50 and Alternate 95.

4.(e) Availability of manpower is questionable. Material is ample of this date. Supplies ample. Equipment available and complete. Water is located 3 1/2 miles at Weeks, Nevada. Power is 2 1/2 miles where reducing transformers would have to be installed if used.

5. (b) Reference is made to inclose map. The dotted lines show the proposed courses of bulldozing and stripping. The v structures leading down hill to the contact granite are in fact erosion depressions on a steep side hill from which much loose surface material would be stripped from the ridge portions. This stage of the development completes the first part of the exploratory program and before proceeding with part two it should be determined by an inspector from the Bureau of Mines whether a profitable workable ore has been exposed if not does the showing so far made warrant entering upon a part two program of exploration by sinking a shaft 100 feet and 100 feet of crosscut or drift.

5. (d) Business experience includes a number of years in the merchandising business as owner, was a former preliminary examiner for Federal Housing Administration, an independent mine owner for a number of years. From 1936 to 1945 superintendent and general manager of Cambridge Mining Co., Inc. now president of same. Have spent much time in research and discovery and identification of complex ores.

Part I of Exploration Program - Estimated Costs

6. (a) The bulldozing operation as outlined in Part 1 including access road and all trenching and stripping an estimated 30 days. This said work to be set up as a contract with the Cambridge Mining Company, Inc. at $12.00 per hour. All supplies which include operator gas and oil to be furnished by the contractor but does not include the bringing in of said supplies. Since the road itself will be very steep it is deemed advisable to purchase a 6x6 Army type truck and to this end I have taken an option on a 1947 GMC at $1250.00. This said truck to bring in supplies would require a driver whose combined duties would be handling of this truck and sampling all ground uncovered by means of panning and use of the mineral light. The light to be furnished without charge.

Total.....$2880.00

6.(b) Truck driver and sampler at $16.00 per day for 30 days. Since I will be the bulldozer operator no supervisor charge will be made. Total.....$ 480.00

6. (c) Gas and oil and miscellaneous incidents for the operation of truck at $10.00 per day for 30 days. Total.....$ 300.00

6. (d) Operating equipment to be purchased is a 6x6 GMC truck. Total.....$1250.00

6. (e) none

6. (f) none

6. (g) Insurance on truck Total.....$ 48.00
Accounting Work for 30 days Total.....$ 75.00
Analytical work Total.....$ 50.00
Workmen compensation Total.....$ 40.00

6. (h) Possibly five days of going over all ground re-checking the results of all sampling and properly marking the ground by flag and number. Said locations to be placed on a chart of the area, so that inspection can be faciliated and determination quickly made as to whether Part 2 of the program should apply and where best to apply it.

Total.....$ 125.00

Estimated Cost for Part I of the Program .....Total $5248.00

Part 2 of Exploration Program

6. (a)	No independent contract.	
6. (b)	Supervisor	$3500.00
	Labor	9000.00
6. (c)	Oil	50.00
	Gasoline (less gas tax refund)	720.00
	Respirators & Carbide Lights	25.00
6. (d)	Jackhammers	350.00
	Hoses	100.00
	3 sets of drill steels	100.00
	Timken bits	170.00
	Lease of portable hoist	250.00
	Lease of 340 cu ft Sullivan compressor	600.00
	Dynamite fues and caps	1600.00
6. (e)	none	
6. (f)	Bunk house	1500.00
	Gallows frame over shaft	150.00
	Timber for shaft	1000.00
	Timber for crosscut or drifts depending on nature of rock encountered	500.00
6. (g)	Accounting	500.00
	Analytical work	100.00
	Insurance on truck	100.00
	Workmen compensation, employers' liability insurance and payroll taxes	600.00
	Estimated cost for Part II	$20,915.00
	" " " " I	5,248.00
	Total for Entire Program	$26,163.00

If the DMEA would rather contract Part 2 of the project, the Cambridge Mining Co., Inc., a Nevada corporation in good standing will take said contract at $20,000. Settlement to be made monthly for shaft sinking and timbering at $100 per foot. Settlement to be made for drift or cross-cut at $75 per foot the balance to be paid on completion. Truck to be purchased by DMEA and the title to be transferred to Cambridge Mining Co. upon repayment to DMEA at completion of the contract from the final settlement. Sight

7. In case this proposed contract is not approved and DMEA prefers to proceed under the outline and estimates stated above then our share of cost should be deducted from supervisory fund then the leasing of equipment until full one-fourth of monthly settlement is covered.

DATE September 24, 1953

Signed Ernest L. Rink

Signed Rutt E Rink

if owners of equipment then rate should be on definite basis.

From
Julius L Miller
Garden Valley Ida

SEP 22 A.M. 1953 IDAHO

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Defense Minerals Exploration Administration

Washington 25

D. C.

32

Julius Miller
Sawtooth Valley
Idaho

Rec'd at Boise Idaho
not back stamped

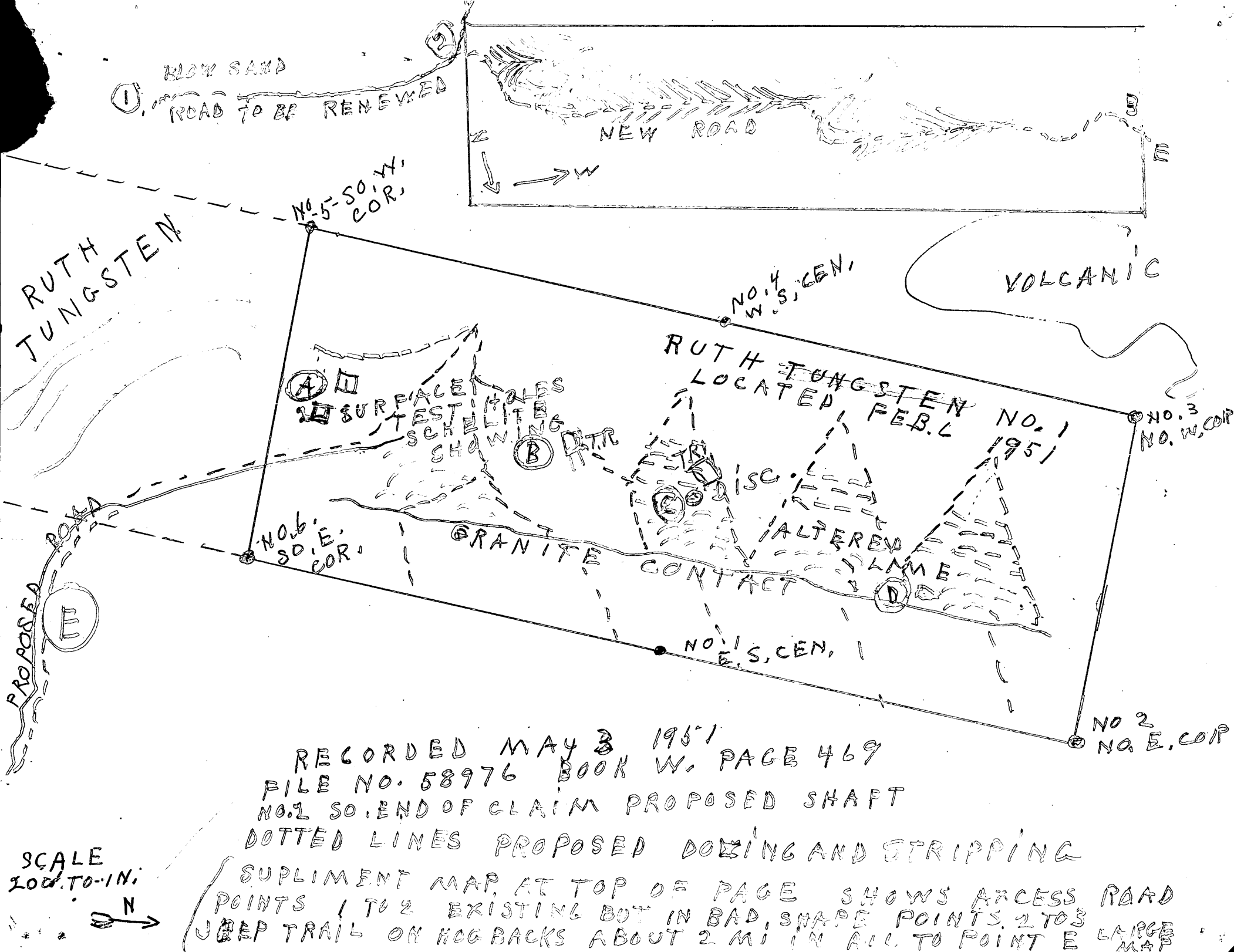
Defense Minerals Exploration Administration

Washington 25

D. C.

Rec'd at Boise Idaho
not back stamped

CHAMPION CLASP NO. 1-90



RECORDED MAY 3 1951
FILE NO. 58976 BOOK W. PAGE 469
NO. 2 SO. END OF CLAIM PROPOSED SHAFT
DOTTED LINES PROPOSED DOZING AND STRIPPING

SCALE
200 FT. TO 1 IN.
N

SUPLIMENT MAP AT TOP OF PAGE SHOWS ACCESS ROAD POINTS 1 TO 2 EXISTING BUT IN BAD SHAPE POINTS 2 TO 3 JEEP TRAIL ON HOGBACKS ABOUT 2 MI IN ALL TO POINT E LARGE MAP

SUPPLEMENT TO APPLICATION

The co-owners of this claim further agrees to pay royalties as specified in DMEA on any ores they develop on contiguous claims now established or any other claims that may be established within one mile of the original claim by them during the tenure of the DMEA contract.

The Cambridge Mining Co., Inc will authorize the the DMEA to deduct from each monthly settlement 25% of the total as the contribution of Ernest L. Rink and Ruth E. Rink for their protion of the project costs.

This arrangement can be accomplished because the major portion of the Cambridge stock is owned by E.L. and Ruth E. Rink, man and wife also co-partners in this tungsten project.

Ernest L. Rink
Ruth E Rink

Cambridge Mining Co. Inc.
Ernest L. Rink Pres
& Gen Manager

NAT'L FOREST
PLUMAS
Sutcliffe
INDIAN
Nixon
Hot Springs
Desert Pk. El. 5401
DANGER AREA
CHURCHILL
Dixie Valley
Beckwourth Pass El. 5221
Vintonia
RESERVATION
Wadsworth
TOIYABE
TAHOE
SIERRA
Reno
Sparks
Fernley
Hazen
Fallon
FALLON INDIAN RESERVATION
Stillwater
Job Pk. El. 8806
Verdi
NAT'L
NEVADA
FOREST
Mt. Rose Summit El. 8895
Historic Mining Town
Virginia City
Lahontan Dam
Lahontan Res.
Salt Wells
Truckee
PLACER
FOR.
Gold Hill
Silver City
Dayton
Frenchman
Crystal Bay
Tahoe City
Carson City
R.S.
Walbuska
YERINGTON INDIAN RES.
S.P.
DANGER AREAS
Glenbrook
Stewart
Carson Indian Agency
Spooner's Summit El. 7140
DOUGLAS
Weed Heights
WALKER
RIVER
Nevada Scheelite Mill
Genoa
Stateline
Minden
Yerington
Schurz INDIAN RESERVATION
Pilot Cone El. 6602
ELDORADO
Gardnerville
Mt. Siegel El. 9550
Meyers
Smith
Wellington
Echo Summit El. 7365
Wood-8 fords
Carson Pass El. 8650
Markleeville
Leviathan Sulphur Mine
Desert Creek Pk. El. 9020
Mt. Grant El. 11303
Babbitt
FOREST
ALPINE
Coleville
TOIYABE
U. S. Naval Ammunition Depot
Hawthorne
Luning
Ebbetts Pass El. 8800
Sweetwater
Cory Pk. El. 10516
STANISLAUS
Lost Cannon Pk. El. 11068
Mt. Patterson El. 11664
NAT'L
MINERAL
Mina
Lucky Boy Pass El. 8001
TOIYABE
Sonora Pass El. 9624
Devils Gate El. 7549
Bridgeport
To Stockton, 136 miles
To Sonora, 83 miles
To Stockton, 121 miles
To Sacramento, 99 miles
To Sacramento, 105 miles
To Quincy, 73 miles
To Quincy, 50 miles

sby County