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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 12 1953

224 New Customhouse
Denver 2, Colorado

November 9, 1953.

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: 200

From: Field Team, Region IV

Subject: Report of Examination - DMEA Docket 3172 (Tungsten), Mining Ventures, Inc., Venture No. 1 claim, Fremont County, Colorado.

Enclosed are four copies of the report of examination on the subject property, a copy of the letter of denial to the applicant, and two copies of Form 3b.

W. H. King

E. M. Haschmann
for A. H. Koschmann

Enclosures

DENIED

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

C O P Y

224 New Customhouse
Denver 2, Colorado

November 9, 1953

Mr. Howard D. Kellogg, President
Mining Ventures, Inc.
303 Bon Durant Bldg.
Pueblo, Colorado

Re: Docket DMEA-3172

Dear Mr. Kellogg:

Reference is made to your application for Government aid on the Venture No. 1.

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

A careful study of your property and data available to this agency reveals that the probability of disclosing mineable reserves of Tungsten is not considered sufficiently promising to justify Government participation. Under these circumstances, we regret to advise that your application for exploration aid is denied.

Very truly yours,

W. H. King
Field Team, Region IV

E. N. Harshmann
For A. H. Koschmann

DENIED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

DEPARTMENT OF THE INTERIOR
RECEIVED
NOV 12 1953

Mining Division
Region IV

November 9, 1953.

Memorandum

To: Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Report of Examination, DMEA Docket 3172 (Tungsten), Mining Ventures, Inc., Venture No. 1 claim, Fremont County, Colo.

Enclosed are eight copies of the engineering report of examination on the subject property.

The applicant requested $16,356.00 to drive a 300 foot adit with 20 feet of crosscut and 50 feet of raise.

The examiners conclude that there is little likelihood of discovering a significant scheelite deposit and they recommend that the application be denied.

We concur in this recommendation.

W. H. King

W. H. King

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
November 4, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 3172 (Tungsten) Venture No. 1 claim, Mining Ventures, Inc., Fremont County, Colorado

Enclosed are the original and eight copies of the "Summary, Conclusions, and Recommendations," by D. R. MacLaren and Carl Belser, and of Belser's engineering report on the above docket.

The applicant, Mining Ventures, Inc., proposed driving a 300-foot adit in a zone showing sparse tungsten mineralization with 20 feet of crosscut and 50 feet of raise from the adit. Their estimate of cost of the work was $17,231.39, incorrectly stated in the loan request as $16,356.00.

Belser concludes from his investigation and careful sampling of the deposit that scheelite mineralization is weak and the likelihood of discovering worthwhile reserves by the proposed exploration are poor. He recommends denial of the application and I approve his recommendation.

The brochure and material included with your memorandum of September 15, 1953, instructing us to submit a suitable report, is also enclosed.

W. M. Traver

W. M. Traver

enclosures

cc 8
DMEA 3172
DMEA Chron.

WMT/pam

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
Denver Federal Center
Denver 2, Colorado

November 2, 1953

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 3172, Mining Ventures, Inc., Venture No. 1 Claim, Fremont County, Colorado

Attached are 8 copies of the geological report by D. R. MacLaren covering DMEA Docket 3172, Mining Ventures, Inc., Venture No. 1 claim, Fremont County, Colorado.

The applicant proposes to explore for tungsten ore (scheelite) by a 300-foot drift, a 20-foot crosscut, and a 50-foot raise at an estimated cost of $16,356.80.

Scheelite occurs as small crystals, flakes, grains, and coatings associated with garnet, quartz, epidote, and calcite, in lime-silicate beds in pre-Cambrian schist.

Assays of samples taken by the U. S. Bureau of Mines indicate that the deposit is very low grade. MacLaren concludes that a significant scheelite deposit will not be discovered by the proposed exploration and recommends denial of the application.

I concur in this recommendation.

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

Enclosures (8)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMEA 3172, Mining Ventures, Inc.

Venture No. 1 claim

Fremont County, Colorado

Tungsten

D. R. MacLaren, Geologist
Geological Survey

Carl Belser, Mining Engineer
Bureau of Mines

October 8, 1953

DMEA 3172

VENTURE NO. 1 CLAIM
MINING VENTURES, INC.
FREMONT COUNTY, COLORADO

Summary, Conclusions, and Recommendations

By D. R. MacLaren
Geologist
Geological Survey

Carl Belser
Mining Engineer
Bureau of Mines

DMEA 3172

VENTURE NO. 1 CLAIM
MINING VENTURES, INC.
FREMONT COUNTY, COLORADO

SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

By D. R. MacLaren and Carl Belser

Mining Ventures, Inc., Dr. Howard Kellogg, president, 303 Bon Durant Building, Pueblo, Colo., has applied for a Defense Minerals Exploration Administration loan of $16,356.80 to explore the Venture No. 1 claim for tungsten by driving 300 feet of adit, 20 feet of crosscut, 50 feet of raise, and constructing an access road, including preparation of a tunnel site.

A field investigation was made on September 18, 1953, by a Geological Survey and Bureau of Mines examining team.

The rocks of the area are pre-Cambrian schists and gneisses, largely of sedimentary origin, that have been intruded by Pikes Peak granite and pegmatite dikes. These rocks for the most part have been covered by Tertiary volcanic flows, breccias, agglomerates, and tuffs. In a northwest trending belt, about 12 miles long and 7 miles wide, scheelite occurs as small crystals, flakes, grains, and thin coatings associated with garnet, quartz, epidote, and calcite in lime-silicate beds within the schists and gneisses.

On the Venture No. 1 claim, the deposition occurs along a series of nearly vertical, garnetized lime-silicate beds in schist which appear to be in a more or less vein-like form and extend for at least 800 feet in a northwesterly direction.

No ore production has been made from the property nor has any substantial production of tungsten ores been made from the area. From

the present examination and careful sampling, it is concluded that the lenticular beds of lime-silicate within the schist contain scheelite in very small amounts and that the chances of discovering a significant deposit on the property is poor. Therefore, it is recommended that the application be denied.

MINING VENTURES, INC.

VENTURE NO. I CLAIM

FREMONT COUNTY, COLORADO

DMEA DOCKET 3172

Geologic Report

By D. R. MacLaren
U. S. Geological Survey

VENTURE NO. 1 CLAIM
FREMONT COUNTY, COLORADO

INTRODUCTION

Mining Ventures, Inc. of Pueblo, Colorado, has applied to the Defense Minerals Exploration Administration for assistance to explore for tungsten in Fremont County, Colorado. The applicant proposes to explore on the Venture No. 1 claim in sec. 29, T. 16 S., R. 72 W., by driving 300 feet of drift, 20 feet of crosscut, and 50 feet of raise at an estimated cost of $16,356.80 (Government's share 75 percent or $12,267.60).

The Venture No. 1 claim is about seven and one-half miles south and one-quarter mile east of Guffy, and is reached by following a stream bed for three quarters of a mile west from State Highway 9. The property is inaccessible during periods of rain and snow. The property was first visited July 17, 1953, accompanied by Carl Belser and Will Dare of the U. S. Bureau of Mines, William T. Burris and Harry Green, respectively vice president and engineer for the applicant company, during an examination for DMEA Docket 3114. September 23, 1953, the property was again visited in company of C. M. Harrer of the Bureau of Mines for the purpose of mapping for this report.

It is concluded that the chance of finding a significant deposit of scheelite on this claim is poor and therefore it is recommended that the application be denied.

GEOLOGY

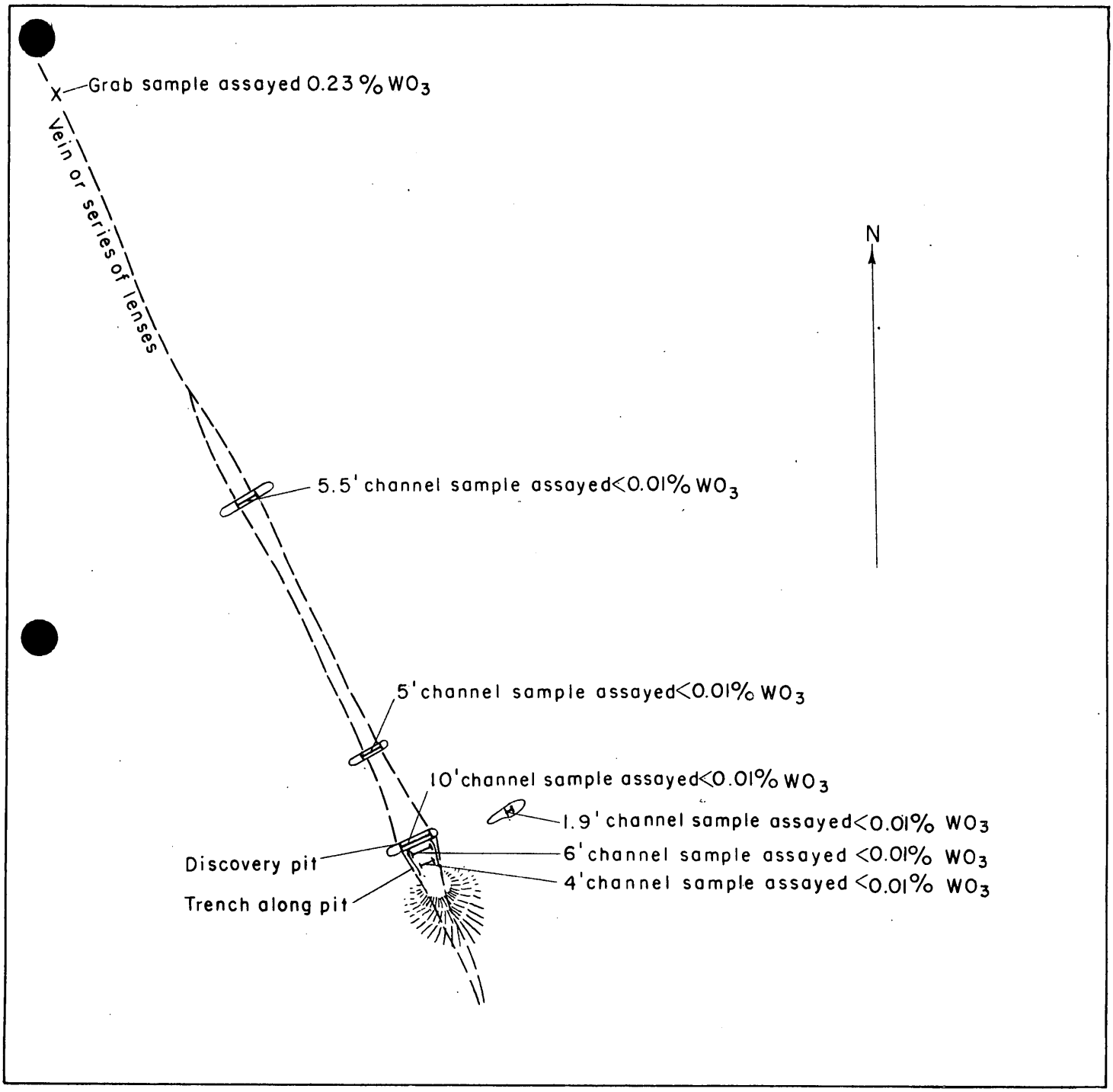
The rocks of the area are pre-Cambrain schist and gneiss, largely of sedimentary origin, that have been intruded by Pikes Peak granite and pegmatite dikes. To the north and west these rocks have, for the most

part, been covered by Tertiary volcanic flows, breccias, agglomerates, and tuffs. In a northwest trending belt, about 12 miles long and 7 miles wide, scheelite occurs as small crystals, flakes, grains, and thin coatings associated with garnet, quartz, epidote, and calcite in lime silicate beds within the schist.

On the Venture No. 1 claim a zone of lime silicate rocks, up to 10 feet wide has been traced for a little over 250 feet by following a series of outcrops and intervening float (figure 2). The zone has been exposed by three shallow trenches, about a foot deep, and by a discovery pit up to three feet deep and eight feet along the vein. Although the zone is easily traced along the strike, it is doubtful that the mineralization is continuous, as there are short stretches between trenches where float seems to be lacking. A parallel zone is indicated by a small trench about 25 feet east of the discovery pit. Assays of six channel samples and one grab sample of float taken by the Bureau of Mines examiner were discouragingly low, the channels assaying less than 0.01 percent WO_3 over widths ranging from 1.9 to 10 feet.

CONCLUSIONS AND RECOMMENDATIONS

It is concluded that small lens-like beds of lime silicate within the schist contain scheelite in small amounts and that the chance of discovering a significant deposit on this claim is poor. Therefore it is recommended that this application be denied.



D.R. MacLaren, October 1953

FIGURE 2.- PLAN SHOWING WORKINGS ON VENTURE NO.1 CLAIM, MINING VENTURES INC., FREMONT COUNTY, COLORADO

40 0 40 Feet

DMEA 3172

VENTURE NO. 1 CLAIM
MINING VENTURES, INC.
FREMONT COUNTY, COLORADO

Engineering Report

By Carl Belser
Mining Engineer
Bureau of Mines

DMEA 3172

VENTURE NO. 1 CLAIM
MINING VENTURES, INC.
FREMONT COUNTY, COLORADO

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Ownership and extent 3
Description of deposits 3
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  Mining and milling equipment and other facilities 4
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Conclusions 5
Recommendations 6

ILLUSTRATIONS

Figure	Follows Page
1. Location map, Venture No. 1 claim, Mining Ventures, Inc., Fremont County, Colorado	2
2. Plan showing surface workings on Venture No. 1 claim, Mining Ventures, Inc., Fremont County, Colorado	3

DMEA 3172

VENTURE NO. 1 CLAIM
MINING VENTURES, INC.
FREMONT COUNTY, COLORADO

ENGINEERING REPORT

By

Carl Belser

INTRODUCTION

Mining Ventures, Inc., Dr. Howard Kellogg, president, and William T. Burris, secretary-treasurer, 303 Bon Durant Building, Pueblo, Colo., on August 4, 1953, submitted an application to the Defense Minerals Exploration Administration for aid in an exploration project on the Venture No. 1 claim, located in Fremont County, Colo. The application, DMEA 3172, requested aid in driving 300 feet of adit, 50 feet of raise, 20 feet of crosscut, and building an access road including preparation of a tunnel site at an estimated cost of $16,356.80 of which the Government's participation (75 percent for tungsten) would be $12,267.60. This proposed project is designed to explore a tungsten-bearing deposit which was assumed to have been opened by surface exploration.

A field examination of the Venture No. 1 claim was made by Bureau of Mines engineers on September 18, 1953, and by a geologist of the Geological Survey on September 23, 1953.

ACKNOWLEDGMENTS

Messrs. Harry Green and William T. Burris of Mining Ventures, Inc., conducted the examining team over the property on July 27, 1953, when they made an investigation under docket DMEA 3114, but no representatives of the applicant were present during the September examination.

D. R. MacLaren, geologist, was assigned to make the examination as the Geological Survey member of the examining team, and W. L. Dare accompanied the Bureau of Mines engineer on both examinations and assisted in the sampling.

LOCATION, TOPOGRAPHY, AND PHYSICAL FEATURES

The Venture No. 1 claim is located in the NW1/4 sec. 29, T. 16 S., R. 72 W., sixth principal meridian, Fremont County, Colo. (fig. 1).

The claim extends northwesterly up the south flank of a small hill. The altitude of the location shaft is about 7,900 feet. An access road, in poor condition, 7 miles long, connects the property with State Highway No. 7, from whence it is 10 miles to Guffey, the nearest post office and store, 15 miles to Parkdale, the nearest railhead, and 22 miles to Canon City, the county seat of Fremont County and the nearest source of supplies. Some native timber can be procured near the property and native lumber can be purchased at Guffey. A small amount of water flows down Currant Creek, but the nearest good mill site is at Parkdale where both ample water and electric power are available. Miners required for exploratory work can be hired in Guffey or Canon City and can be housed in Guffey.

Annual rainfall is about 15 inches. Although the winters are somewhat severe, State Highway No. 9 is kept open and interruptions to year-around operations would be few.

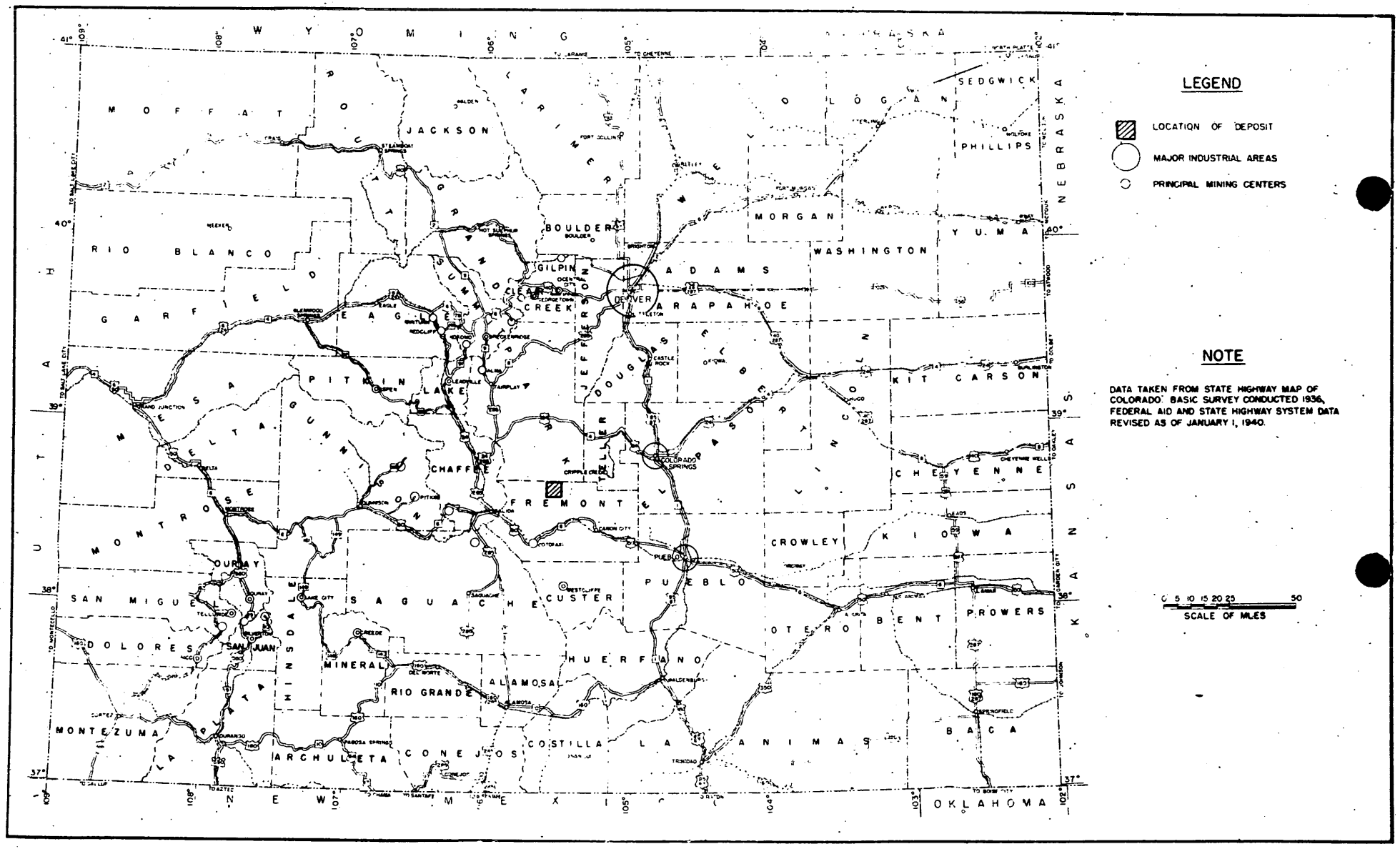


FIGURE 1. - LOCATION MAP, VENTURE NO. 1 CLAIM, MINING VENTURES, INC., FREMONT COUNTY, COLO. (DMEA 3172)

HISTORY AND PRODUCTION

Scheelite has been known to occur in the area for a number of years and a few deposits have been worked intermittently on a small scale.

The Venture No. 1 claim was located July 22, 1953, and recorded on August 5, 1953. A discovery was made 145 feet above the gulch and six shallow trenches have been dug on the hillside above the discovery shaft. No production has been made from the property.

OWNERSHIP AND EXTENT

The property consists of one unpatented claim, the Venture No. 1, held by right of location, and was recorded in book 334, page 90, on August 5, 1953, of the records of the County Clerk and Recorder of Fremont County, Colo.

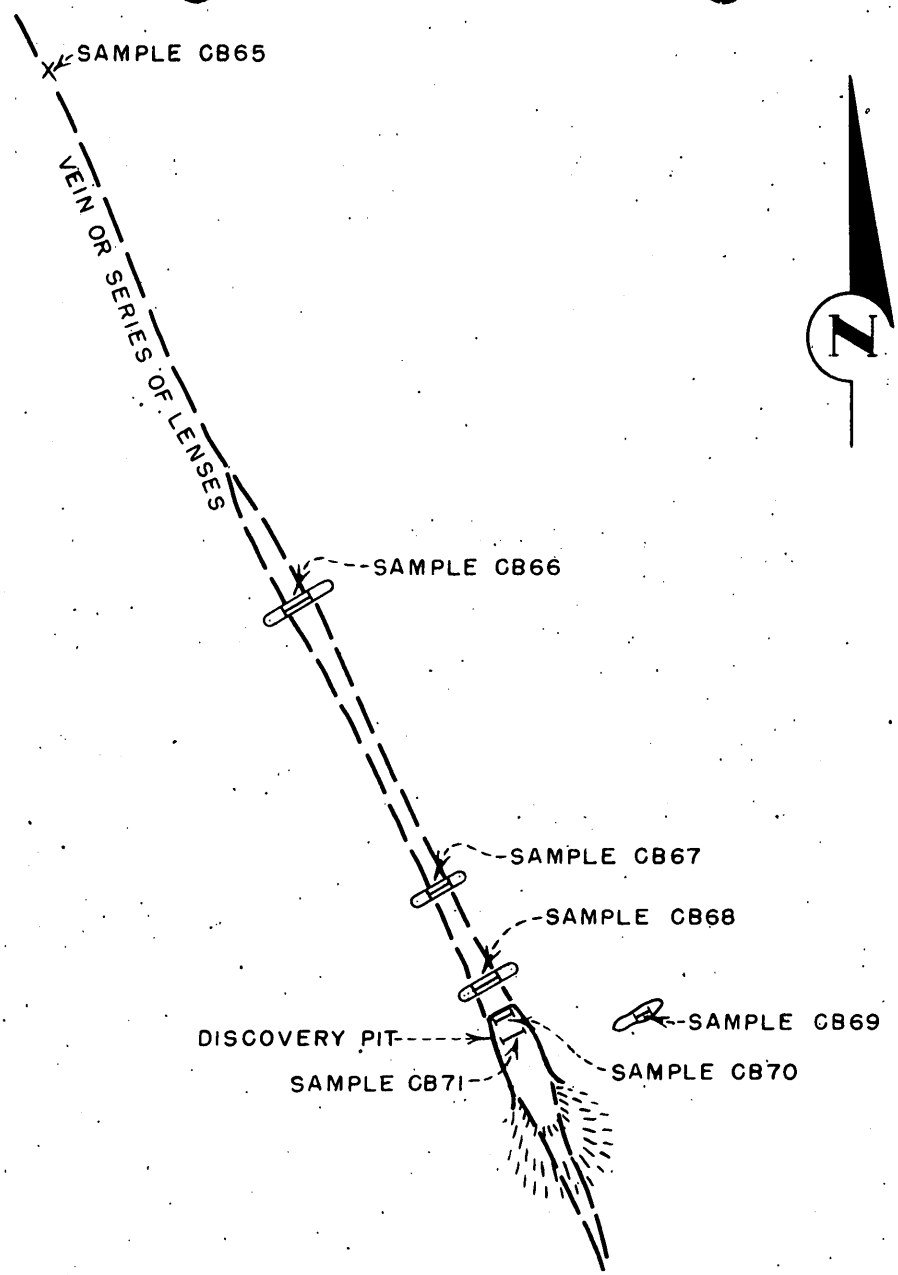
The applicant states that the property is free of all liens or encumbrances.

DESCRIPTION OF DEPOSITS

The ore occurs as scheelite in garnetized lime-silicate beds in schist. These beds appear to be nearly vertical and to roughly parallel pegmatite dikes. The garnetized zone can be roughly followed for about 800 feet up the hillside and is 10 feet wide a short distance above the discovery cut. Scheelite occurs as small crystals, flakes, grains, and thin coatings associated with garnet, quartz, epidote, and calcite.

MINEABLE ORE RESERVES

Results of sampling, shown on figure 2, are summarized as follows:



SAMPLE DATA

SAMPLE NO	LENGTH FEET	TYPE	PERCENT	
			WO_3	P
CB65		GRAB	0.23	
CB66	5.5	CHANNEL	<0.01	
CB67	5.0	CHANNEL	<0.01	
CB68	10.0	CHANNEL	<0.01	
CB69	1.9	CHANNEL	<0.01	
CB70	6.0	CHANNEL	<0.01	
CB71	4.0	CHANNEL	<0.01	
*				0.06

*COMPOSITE CB65 - CB71 INCL.
< LESS THAN

0 40 80
SCALE IN FEET

MINERAL RESOURCES BRANCH
MINING DIV. - REGION IV
BUREAU OF MINES

FIGURE 2 - PLAN SHOWING SURFACE WORKINGS ON VENTURE NO.1 CLAIM, MINING VENTURES INC., FREMONT COUNTY, COLO. (DMEA 3172)

Sample No.	Type	Length (feet)	Percent WO_3	Description
CB-65	Grab	--	0.23	Garnetized zone - top of ridge
CB-66	Channel	5.5	<0.01	Trench 120 feet below CB-65
CB-67	Channel	5.0	<0.01	Trench 66 feet below CB-66
CB-68	Channel	10.0	<0.01	Trench 22 feet below CB-67 and 10 feet above discovery cut
CB-69	Channel	1.9	<0.01	Trench 23 feet east of discovery cut
CB-70	Channel	6.0	<0.01	Face of discovery cut
CB-71	Channel	4.0	<0.01	Bottom of discovery cut 4.0 feet back from face

< = less than

A composite of all seven samples assayed 0.06 percent phosphorous.

Samples CB-67, -68, and -70 were reassayed by the Metallurgical Division, Region IV, with the same results as reported in the original assays.

These assays indicate that mineable ore reserves are nonexistant.

PRESENT STATUS

Exploration and Development

All present workings are shown on figure 2. They consist of a 10-foot discovery cut and six shallow trenches.

Mining and Milling Equipment and Other Facilities

The short but poor access road is the only facility on the property and there is no mining or milling equipment. Water for milling purposes could be developed 3,000 feet below the claim on Currant Creek but such a development might run into difficulty with the ranchers. The applicant plans the erection of a mill at Parkdale if substantial ore reserves are developed. Metallurgical tests made by the Denver Equipment Company on the applicant's School Section ore, which is similar to the Venture No. 1 ore in character, indicate a 91.85 percent recovery with a

64.5 percent WO_3 concentrate by gravity concentration. The recovery is much higher than is usually obtained by this method of concentration.

PROPOSED EXPLORATION WITH ESTIMATED COSTS

The applicant proposed driving a 300-foot adit, following the ore zone, from a point about 100 feet above the bottom of the gulch with 20 feet of crosscut and 50 feet of raise from the proposed adit. The following estimate of costs was included in the application:

(a)	Independent Contracts	$ 7,400.00
(b)	Labor, Supervision, Consultants	900.00
(c)	Operating Materials and Supplies	1,334.90
(d)	Operating Equipment	2,930.00
(e)	Rehabilitation and Repairs	---
(f)	New Buildings, Improvements, and Installations	1,000.00
(g)	Miscellaneous	1,000.00
(h)	Access roads and portal site	1,000.00
(i)	Contingencies (10 percent)	1,486.99
		$16,356.80

Government participation 75 percent or $12,267.60.

The applicant's addition was in error and the total estimated cost, including a revised 10 percent for contingencies, should read $17,231.39 of which the Government's participation would be 75 percent, or $12,923.54.

CONCLUSIONS

Seven large and fairly taken samples showed no ore and each of the six samples cut from the garnetized area contained less than 0.01 percent WO_3. Commercial ore has not been produced or developed by any work to date

on the Venture No. 1 claim, and it is not believed that Government participation in this project is warranted.

RECOMMENDATIONS

It is recommended that the application be denied.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 13 1953

224 New Customhouse
Denver 2, Colorado

November 9, 1953.

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: 200

From: Field Team, Region IV

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Enclosed are four copies of the report of examination on the subject property, a copy of the letter of denial to the applicant, and two copies of Form 3b.

W H King
W. H. King

E. N. Harshman
for A. H. Koschmann

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
11-18-53
(date)

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

224 New Customhouse
Denver 2, Colorado

November 9, 1953.

Mr. Howard D. Kellogg, President
Mining Ventures, Inc.
303 Bon Durant Bldg.
Pueblo, Colorado

Re: Docket DMEA-3172

Dear Mr. Kellogg:

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A careful study of your property and data available to this agency reveals that the probability of disclosing mineable reserves of Tungsten is not considered sufficiently promising to justify Government participation. Under these circumstances, we regret to advise that your application for exploration aid is denied.

Very truly yours,

W H King

W. H. King
Field Team, Region IV

E. N. Harshmann

E. N. Harshmann
For A. H. Koschmann

HMC:cwm

cc: Docket
Administrator, DMEA
WMTraver
AHKoschmann (2)
Chron.

Reviewed by
DMEA OPERATING COMMITTEE
11-18-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

November 9, 1953.

Memorandum

To: Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Report of Examination, DMEA Docket 3172 (Tungsten), Mining Ventures, Inc., Venture No. 1 claim, Fremont County, Colo.

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The applicant requested $16,356.00 to drive a 300 feet adit with 20 feet of crosscut and 50 feet of raise.

The examiners conclude that there is little likelihood of discovering a significant scheelite deposit and they recommend that the application be denied.

We concur in this recommendation.

W. H. King

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
11-18-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
November 4, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 3172 (Tungsten) Venture No. 1 claim, Mining Ventures, Inc., Fremont County, Colorado

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Belser concludes from his investigation and careful sampling of the deposit that scheelite mineralization is weak and the likelihood of discovering worthwhile reserves by the proposed exploration are poor. He recommends denial of the application and I approve his recommendation.

The brochure and material included with your memorandum of September 15, 1953, instructing us to submit a suitable report, is also enclosed.

W. M. Traver

W. M. Traver

enclosures

cc 8
DMEA 3172
DMEA Chron.

WMT/pam

Reviewed by
DMEA OPERATING COMMITTEE

11-18-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D.C.
Denver Federal Center
Denver 2, Colorado

November 2, 1953

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 3172, Mining Ventures, Inc., Venture No. 1 Claim, Fremont County, Colorado

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Scheelite occurs as small crystals, flakes, grains, and coatings associated with garnet, quartz, epidote, and calcite, in lime-silicate beds in pre-Cambrian schist.

Assays of samples taken by the U. S. Bureau of Mines indicate that the deposit is very low grade. MacLaren concludes that a significant sheelite deposit will not be discovered by the proposed exploration and recommends denial of the application.

I concur in this recommendation.

E. M. Harshman
for A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (8)

Provided by
DMA MINING COMPANY
11-18-53
(Date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMEA 3172, Mining Ventures, Inc.

Venture No. 1 claim

Fremont County, Colorado

Tungsten

D. R. MacLaren, Geologist
Geological Survey

Carl Belser, Mining Engineer
Bureau of Mines

October 8, 1953

11-19-53

DMSA 3172

VENTURE NO. 1 CLAIM
MINING VENTURES, INC.
FREMONT COUNTY, COLORADO

Summary, Conclusions, and Recommendations

By D. R. MacLaren
Geologist
Geological Survey

Carl Belser
Mining Engineer
Bureau of Mines

DMEA 3172

VENTURE NO. 1 CLAIM
MINING VENTURES, INC.
FREMONT COUNTY, COLORADO

SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

By D. R. Maclaren and Carl Belser

Mining Ventures, Inc., Dr. Howard Kellogg, president, 303 Bon Durant Building, Pueblo, Colo., has applied for a Defense Minerals Exploration Administration loan of $16,356.80 to explore the Venture No. 1 claim for tungsten by driving 300 feet of adit, 20 feet of crosscut, 30 feet of raise, and constructing an access road, including preparation of a tunnel site.

A field investigation was made on September 18, 1953, by a Geological Survey and Bureau of Mines examining team.

The rocks of the area are pre-Cambrian schists and gneisses, largely of sedimentary origin, that have been intruded by Pikes Peak granite and pegmatite dikes. These rocks for the most part have been covered by Tertiary volcanic flows, breccias, agglomerates, and tuffs. In a northwest trending belt, about 12 miles long and 7 miles wide, scheelite occurs as small crystals, flakes, grains, and thin coatings associated with garnet, quartz, epidote, and calcite in lime-silicate beds within the schists and gneisses.

On the Venture No. 1 claim, the deposition occurs along a series of nearly vertical, garnetized lime-silicate beds in schist which appear to be in a more or less vein-like form and extend for at least 800 feet in a northwesterly direction.

No ore production has been made from the property nor has any substantial production of tungsten ores been made from the area. From

the present examination and careful sampling, it is concluded that the lenticular beds of lime-silicate within the schist contain scheelite in very small amounts and that the chances of discovering a significant deposit on the property is poor. Therefore, it is recommended that the application be denied.

MINING VENTURES, INC.

VENTURE NO. 1 CLAIM

FREMONT COUNTY, COLORADO

DMEA DOCKET 3172

Geologic Report

By D. R. MacLaren
U. S. Geological Survey

Reviewed by
DMEA OPERATING COMMITTEE
11-18-53
(date)

VENTURE NO. 1 CLAIM
FREMONT COUNTY, COLORADO

INTRODUCTION

Mining Ventures, Inc. of Pueblo, Colorado, has applied to the Defense Minerals Exploration Administration for assistance to explore for tungsten in Fremont County, Colorado. The applicant proposes to explore on the Venture No. 1 claim in sec. 29, T. 16 S., R. 72 W., by driving 300 feet of drift, 20 feet of crosscut, and 50 feet of raise at an estimated cost of $16,356.80 (Government's share 75 percent or $12,267.60).

The Venture No. 1 claim is about seven and one-half miles south and one-quarter mile east of Guffy, and is reached by following a stream bed for three quarters of a mile west from State Highway 9. The property is inaccessible during periods of rain and snow. The property was first visited July 17, 1953, accompanied by Carl Belser and Will Dare of the U. S. Bureau of Mines, William T. Burris and Harry Green, respectively vice president and engineer for the applicant company, during an examination for DMEA Docket 3114. September 23, 1953, the property was again visited in company of C. M. Harrer of the Bureau of Mines for the purpose of mapping for this report.

It is concluded that the chance of finding a significant deposit of scheelite on this claim is poor and therefore it is recommended that the application be denied.

GEOLOGY

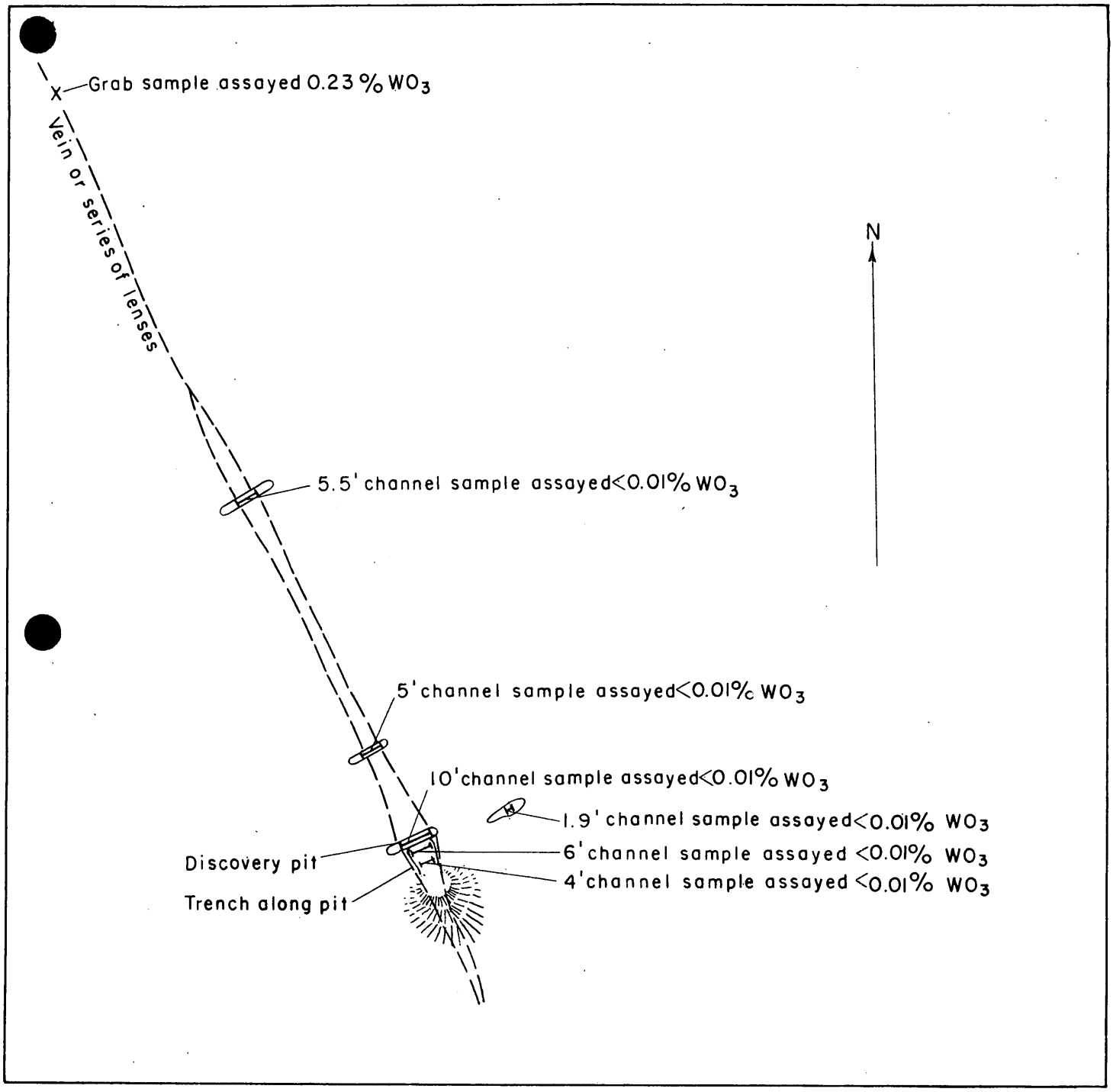
The rocks of the area are pre-Cambrain schist and gneiss, largely of sedimentary origin, that have been intruded by Pikes Peak granite and pegmatite dikes. To the north and west these rocks have, for the most

part, been covered by Tertiary volcanic flows, breccias, agglomerates, and tuffs. In a northwest trending belt, about 12 miles long and 7 miles wide, scheelite occurs as small crystals, flakes, grains, and thin coatings associated with garnet, quartz, epidote, and calcite in lime silicate beds within the schist.

On the Venture No. 1 claim a zone of lime silicate rocks, up to 10 feet wide has been traced for a little over 250 feet by following a series of outcrops and intervening float (figure 2). The zone has been exposed by three shallow trenches, about a foot deep, and by a discovery pit up to three feet deep and eight feet along the vein. Although the zone is easily traced along the strike, it is doubtful that the mineralization is continuous, as there are short stretches between trenches where float seems to be lacking. A parallel zone is indicated by a small trench about 25 feet east of the discovery pit. Assays of six channel samples and one grab sample of float taken by the Bureau of Mines examiner were discouragingly low, the channels assaying less than 0.01 percent WO_3 over widths ranging from 1.9 to 10 feet.

CONCLUSIONS AND RECOMMENDATIONS

It is concluded that small lens-like beds of lime silicate within the schist contain scheelite in small amounts and that the chance of discovering a significant deposit on this claim is poor. Therefore it is recommended that this application be denied.



D.R. MacLaren, October 1953

FIGURE 2.- PLAN SHOWING WORKINGS ON VENTURE NO.1 CLAIM, MINING VENTURES INC., FREMONT COUNTY, COLORADO

40 0 40 Feet

DMRA 3172

VENTURE NO. 1 CLAIM
MINING VENTURES, INC.
FREMONT COUNTY, COLORADO

Engineering Report

By Carl Belser
Mining Engineer
Bureau of Mines

DMEA 3172

VENTURE NO. 1 CLAIM
MINING VENTURES, INC.
FREMONT COUNTY, COLORADO

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DMEA 3172

VENTURE NO. 1 CLAIM
MINING VENTURES, INC.
FREMONT COUNTY, COLORADO

ENGINEERING REPORT

By

Carl Belser

INTRODUCTION

Mining Ventures, Inc., Dr. Howard Kellogg, president, and William T. Burris, secretary-treasurer, 303 Bon Durant Building, Pueblo, Colo., on August 4, 1953, submitted an application to the Defense Minerals Exploration Administration for aid in an exploration project on the Venture No. 1 claim, located in Fremont County, Colo. The application, DMEA 3172, requested aid in driving 300 feet of adit, 50 feet of raise, 80 feet of crosscut, and building an access road including preparation of a tunnel site at an estimated cost of $16,356.80 of which the Government's participation (75 percent for tungsten) would be $12,267.60. This proposed project is designed to explore a tungsten-bearing deposit which was assumed to have been opened by surface exploration.

A field examination of the Venture No. 1 claim was made by Bureau of Mines engineers on September 18, 1953, and by a geologist of the Geological Survey on September 23, 1953.

ACKNOWLEDGMENTS

Messrs. Harry Green and William T. Burris of Mining Ventures, Inc., conducted the examining team over the property on July 27, 1953, when they made an investigation under docket DMEA 3114, but no representatives of the applicant were present during the September examination.

D. R. Maclaren, geologist, was assigned to make the examination as the Geological Survey member of the examining team, and W. L. Bare accompanied the Bureau of Mines engineer on both examinations and assisted in the sampling.

LOCATION, TOPOGRAPHY, AND PHYSICAL FEATURES

The Venture No. 1 claim is located in the NW1/4 sec. 29, T. 16 S., R. 72 W., sixth principal meridian, Fremont County, Colo. (fig. 1).

The claim extends northwesterly up the south flank of a small hill. The altitude of the location shaft is about 7,900 feet. An access road, in poor condition, 7 miles long, connects the property with State Highway No. 7, from whence it is 10 miles to Guffey, the nearest post office and store, 15 miles to Parkdale, the nearest railhead, and 22 miles to Canon City, the county seat of Fremont County and the nearest source of supplies. Some native timber can be procured near the property and native lumber can be purchased at Guffey. A small amount of water flows down Current Creek, but the nearest good mill site is at Parkdale where both ample water and electric power are available. Miners required for exploratory work can be hired in Guffey or Canon City and can be housed in Guffey.

Annual rainfall is about 15 inches. Although the winters are somewhat severe, State Highway No. 9 is kept open and interruptions to year-around operations would be few.

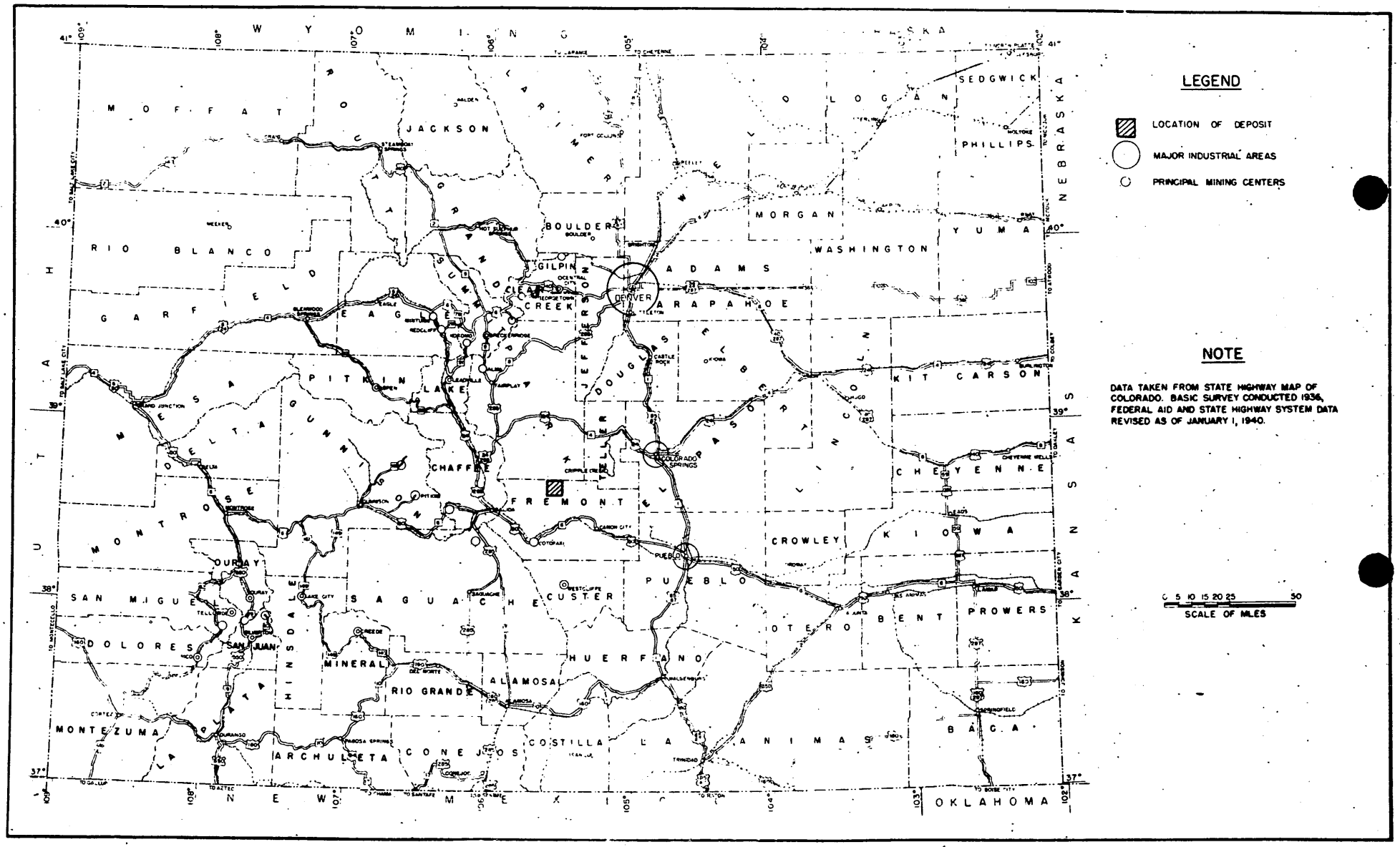


FIGURE 1. - LOCATION MAP, VENTURE NO. 1 CLAIM, MINING VENTURES, INC., FREMONT COUNTY, COLO. (DMEA 3172)

HISTORY AND PRODUCTION

Scheelite has been known to occur in the area for a number of years and a few deposits have been worked intermittently on a small scale.

The Venture No. 1 claim was located July 28, 1953, and recorded on August 5, 1953. A discovery was made 145 feet above the gulch and six shallow trenches have been dug on the hillside above the discovery shaft. No production has been made from the property.

OWNERSHIP AND EXTENT

The property consists of one unpatented claim, the Venture No. 1, held by right of location, and was recorded in book 334, page 90, on August 5, 1953, of the records of the County Clerk and Recorder of Fremont County, Colo.

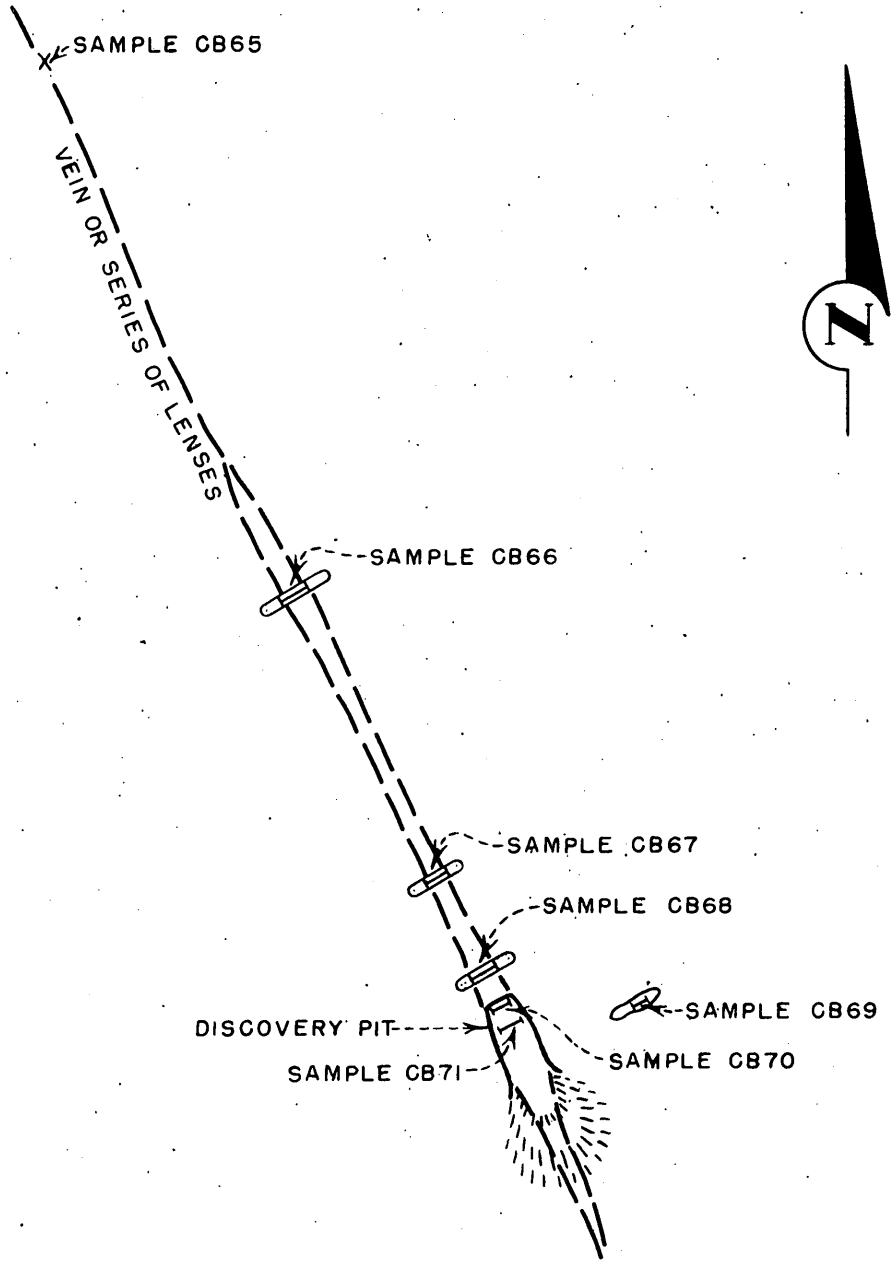
The applicant states that the property is free of all liens or encumbrances.

DESCRIPTION OF DEPOSITS

The ore occurs as scheelite in garnetized lime-silicate beds in schist. These beds appear to be nearly vertical and to roughly parallel pegmatite dikes. The garnetized zone can be roughly followed for about 800 feet up the hillside and is 10 feet wide a short distance above the discovery cut. Scheelite occurs as small crystals, flakes, grains, and thin coatings associated with garnet, quartz, epidote, and calcite.

MINERABLE ORE RESERVES

Results of sampling, shown on figure 2, are summarized as follows:



SAMPLE DATA

SAMPLE NO	LENGTH FEET	TYPE	PERCENT	
			WO_3	P
CB65		GRAB	0.23	
CB66	5.5	CHANNEL	<0.01	
CB67	5.0	CHANNEL	<0.01	
CB68	10.0	CHANNEL	<0.01	
CB69	1.9	CHANNEL	<0.01	
CB70	6.0	CHANNEL	<0.01	
CB71	4.0	CHANNEL	<0.01	
*				0.06

*COMPOSITE CB65 - CB71 INCL.
< LESS THAN

0 40 80
SCALE IN FEET

MINERAL RESOURCES BRANCH
MINING DIV. - REGION IV
BUREAU OF MINES

FIGURE 2 - PLAN SHOWING SURFACE WORKINGS ON VENTURE NO.1 CLAIM, MINING VENTURES INC., FREMONT COUNTY, COLO. (DMEA 3172)

Sample No.	Type	Length (feet)	Percent WO_3	Description
CB-65	Grab	--	0.23	Garnetized zone - top of ridge
CB-66	Channel	5.5	<0.01	Trench 120 feet below CB-65
CB-67	Channel	5.0	<0.01	Trench 66 feet below CB-66
CB-68	Channel	10.0	<0.01	Trench 22 feet below CB-67 and 10 feet above discovery cut
CB-69	Channel	1.9	<0.01	Trench 23 feet east of discovery cut
CB-70	Channel	6.0	<0.01	Face of discovery cut
CB-71	Channel	4.0	<0.01	Bottom of discovery cut 4.0 feet back from face

< = less than

A composite of all seven samples assayed 0.06 percent phosphorous.

Samples CB-67, -68, and -70 were reassayed by the Metallurgical Division, Region IV, with the same results as reported in the original assays.

These assays indicate that mineable ore reserves are nonexistant.

PRESENT STATUS

Exploration and Development

All present workings are shown on figure 2. They consist of a 10-foot discovery cut and six shallow trenches.

Mining and Milling Equipment and Other Facilities

The short but poor access road is the only facility on the property and there is no mining or milling equipment. Water for milling purposes could be developed 3,000 feet below the claim on Currant Creek but such a development might run into difficulty with the ranchers. The applicant plans the erection of a mill at Parkdale if substantial ore reserves are developed. Metallurgical tests made by the Denver Equipment Company on the applicant's School Section ore, which is similar to the Venture No. 1 ore in character, indicate a 91.85 percent recovery with a

64.5 percent WO_3 concentrate by gravity concentration. The recovery is much higher than is usually obtained by this method of concentration.

PROPOSED EXPLORATION WITH ESTIMATED COSTS

The applicant proposed driving a 300-foot adit, following the ore zone, from a point about 100 feet above the bottom of the gulch with 20 feet of crosscut and 50 feet of raise from the proposed adit. The following estimate of costs was included in the application:

(a)	Independent Contracts	$ 7,400.00
(b)	Labor, Supervision, Consultants	900.00
(c)	Operating Materials and Supplies	1,334.90
(d)	Operating Equipment	2,930.00
(e)	Rehabilitation and Repairs	---
(f)	New Buildings, Improvements, and Installations	1,000.00
(g)	Miscellaneous	1,000.00
(h)	Access roads and portal site	1,000.00
(i)	Contingencies (10 percent)	1,486.99
		$16,356.80

Government participation 75 percent or $12,267.60.

The applicant's addition was in error and the total estimated cost, including a revised 10 percent for contingencies, should read $17,231.39 of which the Government's participation would be 75 percent, or $12,923.54.

CONCLUSIONS

Seven large and fairly taken samples showed no ore and each of the six samples cut from the garnetized area contained less than 0.01 percent WO_3. Commercial ore has not been produced or developed by any work to date

on the Venture No. 1 claim, and it is not believed that Government participation in this project is warranted.

RECOMMENDATIONS

It is recommended that the application be denied.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

SUBSTITUTE

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-3172
Metal or Mineral
Date Received 9-21-53
Estimated Cost
Participation (Government %)

SUBSTITUTE FOR APPLICATION FOR LOAN ON SCHOOL FACILITY

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: Mining Ventures, Inc., 703 Don Durant Bldg., Pueblo, Colorado, a Colorado corporation. Officers: Dr. Howard Kellogg, President and William T. Burris, Secretary and Treasurer, both of Don Durant Bldg., and Harry Green, Franklin Hotel, Pueblo, Colorado.

(*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 For description see certified copy of location certificate hereto attached.

(*b*) State any mine name by which the property is known. Ventures No. 1

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

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

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

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

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

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

(*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 will explore scheelite

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

(*c*) The work will start within 15 days and be completed within 3 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?

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

Explain in detail on acompanying paper. The sale of Treasury Stock of Mining Ventures, Inc.

CERTIFICATION

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

Dated August 4th, 1953.

ATTEST:

Secretary

MINING VENTURES, INC.
(Applicant)

By Howard L. Kellogg
President

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

Appended Sheet #1.

3. Applicant's Property Rights.

(a) One unpatented claim held by right of location, named Venture No. 1, located in Fremont County, Sec. 29, T. 16 S. R. 72 W., as more particulary described in the Certified Copy of such Location Certificate hereto attached, which was recorded in the office of the County Clerk and Recorder of Fremont County on August 5th, 1953 in Book 334 at Page 90.

Appended Sheet #2.

Mining Ventures, Inc., 303 Bon Durant Bldg., Pueblo, Colorado.

4. Physical description:

This claim is located in the southern part of the Guffey area about 3/4 mile west of State Highway No. 9, in Sec. 29, T. 16 S. R. 72 W. It is approximately one and one quarter mile east of the Five Claim Group (Application for Loan on Five Claim Group being filed same date as this Application). The north boundry line is directly opposite the south boundry line of the Five Claim Group. The tactite bed trends north and south, the same as on the Five Claim Group, the Four Claim Group and the School Section, referred to in Report of S. J. Burris, Jr., E. M., dated December 30, 1952 hereto attached.

Assays on this tactite bed are as follows: top of hill 0.57%, approximately 200 feet down hill 1.14%, approximately 50 ft. further down hill 0.37%, approximately 150 ft. further down hill 0.47%, boulder at bottom of gulch 0.37% WO_3. Assay return from Minerals Engineering Company on examination near discovery cut 0.98% WO_3.

The average width of this tactite bed is approximately eight feet and may be traced for a distance of approximately 400 feet from the gulch to the top of the hill.

It is proposed to drive a tunnel commencing approximately 100 feet above the bottom of the gulch. This property was seen on July 17, 1953 by Messers. Carl Belsner and Dare of the Bureau of Mines and Don MacClaren of the U.S.G.S, in connection with an application for a loan on the School Section for which this is a substituted application. Reference is made to the application for loan on School Section for more detailed information concerning the Guffey area.

An access road of a quarter to a half a mile will be required. This will be mostly bulldozzer work and little powder required.

Appended Sheet #3.

5. The Exploration Project.

(d) Harry Green, Vice President of Mining Ventures, Inc., will supervise the exploration operation. He has had a very broad and diversified experience in the mining industry, having worked as a miner, timberman, shifter, foreman, superintendent, lessee and manager of numerous mining operations in Nevada, California, Colorado and New Mexico.

Appended Sheet #4.

Mining Ventures, Inc., 303 Bon Durant Bldg., Pueblo, Colorado.

6. Estimate of Costs.

(a) Independent contracts covering labor, power, fuses, caps, explosives, workmen's compensation and employer's liability insurance and payroll taxes:

300 ft. adit tunnel @ $20/ft	$6,000.00
50 ft. raise @$20/ft	1,000.00
20 ft. cross-cut @ $20/ft	400.00
	$7,400.00

(b) Labor, supervision, consultants. Labor included under (a) above. No engineering or geological consultants contemplated. The work will be carried out under the supervision of Harry Green, General Superintendent.

General Superintendent. 3 Mos. @ $300.00/mo. $900.00

(c) Operating materials and supplies. Power and explosives included under (a) above.

4 sets 1" hex drill steel - timkin threads @$45/ea	$180.00
2 -3/4" air hose @ $25/ea	50.00
2000 Timkin bits @ 5/m	10.00
700 ft. 12 lb rail @ $8.12/100 lbs	568.40
350 ft. 2" black pipe @ $34/96/100 ft.	112.50
150 track ties @ 20¢ ea	30.00
7 tunnel sets @ $12/ea	84.00
3000 BM of lagging @ 10¢/BM	300.00
	$1,334.90

(d) Operating equipment. It is contemplated to rent the necessary machinery and equipment with the exception of tram cars.

	Rental per Mo.
Compressor (220) cu. ft.)	$350.00
Jackhammer	45.00
Jackleg	25.00
Mucking machine	275.00
	$695.00
3 mos. @$695	$2,085.00
1 tram car (54" x 30" x 24")	150.00
	$2,930.00
(e) Rehabilitation and repairs	nil

Mining Ventures, Inc., 303 Bon Durant Bldg., Pueblo, Colorado.

6 Estimates Costs contd.

(f) New buildings, improvements and installations.

Combination shop and compressor building	
300 sq. ft. @ $2.50 per sq. ft.	$750.00
Installation of Machinery	250.00
	$1,000.00

(g) Miscellaneous. Workmens' compensation and employers' liability insurance and payroll taxes included under (a) above.

Rental and maintenance of truck @ $100.00per mo.	$300.00
Repair and maintenance of operating equipment	200.00
Analytical work	300.00
Accounting	300.00
	$1,100.00
(h) Access road and portal site	$1,000.00

(i) Contengiencies. An allowance of 10% to cover contingencies amounts to $1,486.99

Recapitulation:

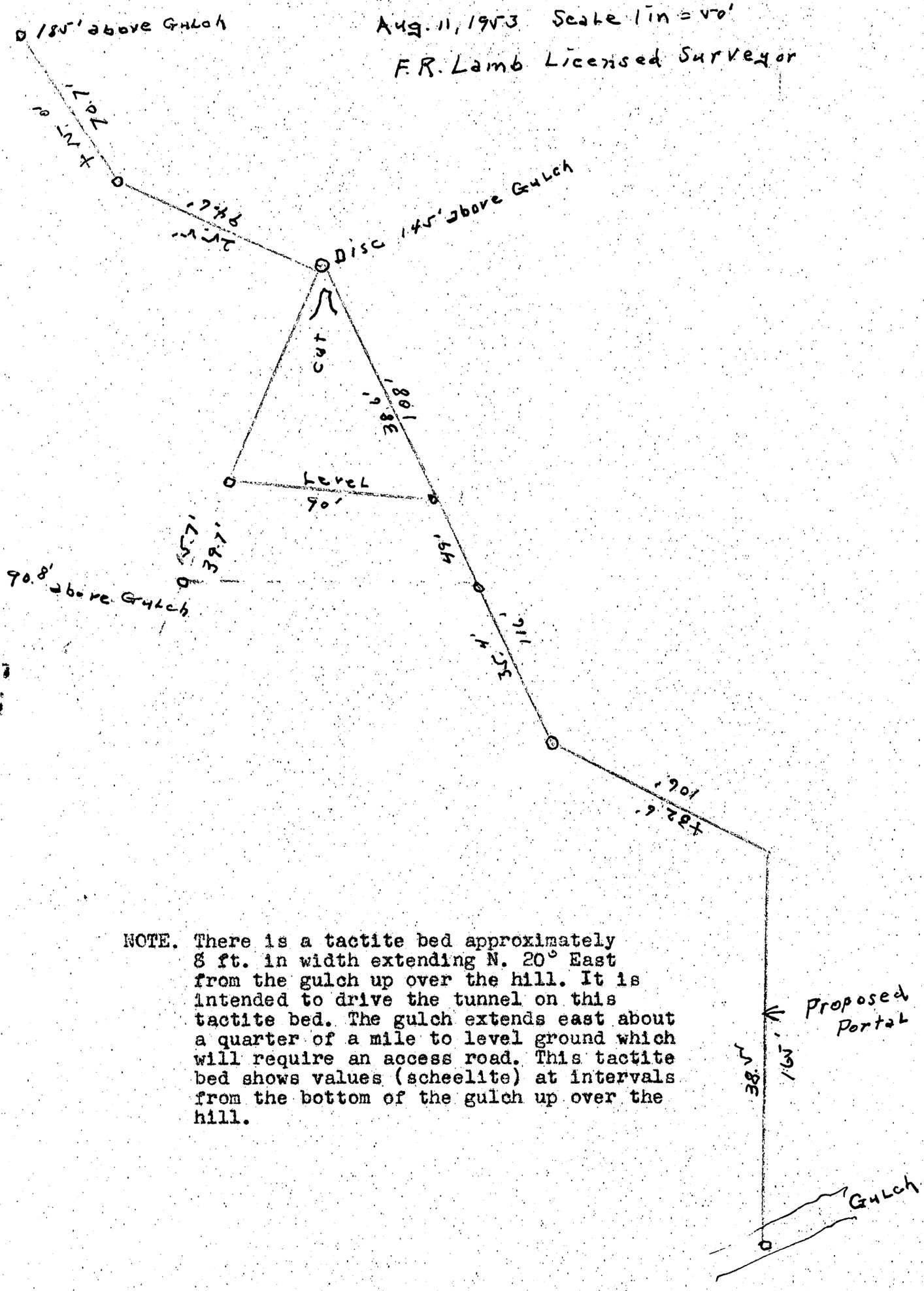
(a) Independent contracts	$7,[illegible].00
(b) Labor, supervision, consultants	[illegible],900.00
(c) Operating materials and supplies	$1,334.90
(d) Operating equipment	2,930.00
(e) Rehabilitation and repairs	nil
(f) New buildings, improvements and installations	1,000.00
(g) Miscellaneous	1,000.00
(h) Access road and portal site	1,000.00
	$14,869.90
(i) Contingencies 10% of the above	1,486.99
	$16,356.80

Appended sheet 5 (b)

Traverse and Elevations on Venture No1 Lode

Aug. 11, 1953 Scale 1in = 40'

F.R. Lamb Licensed Surveyor



NOTE. There is a tactite bed approximately 8 ft. in width extending N. 20° East from the gulch up over the hill. It is intended to drive the tunnel on this tactite bed. The gulch extends east about a quarter of a mile to level ground which will require an access road. This tactite bed shows values (scheelite) at intervals from the bottom of the gulch up over the hill.

Appended Sheet 5 (b)