3294

DMEA 3294 - Tungsten
DuBois, Bacher & Tryon

Withdrawn by applicants - Region 4 application

Interior Dept.

Defense Minerals Exploration Administration

APR 2 1954

14X4401(01) Revolving Fund, Defense Production Act, Interior (Allocated Working Fund to the Office of the Secy.)

TELETYPE

To: W. H. King, DMEA Executive Officer, Region IV
Denver, Colorado

Our review of application by Karl W. DuBois, Edward J. Bacher, and Wilbur L. Tryon, Docket DMEA 3234-Tungsten, Green Rock Lode, Larimer County, Colorado, indicates that in case you decide to write contract additional ground should be added if controlled by the applicant.

George C. Selfridge

G. C. Selfridge
Chairman, Operating Committee

cc: Field Team, Region IV
Docket
Code 400
Adm. Read. File
Oper. Comm.
Audits Divn., Bur. Mines
R. W. Geehan, USBM
P. W. Guild, USGS

WSMartin/ls
4/2/54

SENT
APR 2 1954
Clerical Service Section

Administrator, DMEA 3-31-54

Chief, Iron and Ferro-Alloys Division, DMEA

Region IV application
Docket No. DMEA 3294 - Tungsten
Karl W. DuBois, Edward J. Becker and Wilbur L. Tryon
Green Rock Lode
Larimer County, Colorado

The subject application lists only one claim, the Green Rock lode claim, under Article 3 of MF-103. The descriptions of the property and the maps attached to the application indicate, however, that the vein or dike to be explored is continuous for several claim lengths.

Therefore, if a contract is warranted, we trust that the Field Team in the interest of the Government will include the adjoining claims on each end of the Green Rock claim in the land covered by the contract, unless such claims are outside the applicant's control.

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

FARutledge:foc
3-31-54
cc to: Docket
Code 400
Adm. Reading File

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

224 New Customhouse
Denver 2, Colorado

June 24, 1954

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: Code 200

From: Field Team, DMEA, Region IV

Subject: Report of Examination, DMEA Docket 3294 (Tungsten), Karl W. DuBois et al., Green Rock lode claim, Larimer County, Colorado

Enclosed are four copies of the report of examination on the subject property and two copies of Form 3b.

Also enclosed are four copies of a letter from the applicant dated May 20, 1954 in which he requests that his application be withdrawn.

W. H. King
W. H. King
DMEA Field Team, Reg. IV

Enclosures

for E. N. Hershman
A. H. Koschmann
DMEA Field Team, Reg. IV

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

224 New Customhouse
Denver 2, Colorado

June 24, 1954

Mr. Karl W. DuBois
1460 Cook Street
Denver, Colorado

Re: DMEA Docket 3294 (Tungsten)
Karl W. DuBois et al., Green Rock lode claim, Larimer County, Colorado

Dear Mr. DuBois:

We hereby acknowledge receipt of your letter dated May 20, 1954 withdrawing your application for Government assistance to explore your Green Rock claim for tungsten.

Based on this letter, we have closed DMEA Docket 3294 as of this date.

We thank you for your interest in the Defense Minerals Exploration program.

Very truly yours,

W H King

W. H. King
Executive Officer
DMEA Field Team
Region IV

RDB:es

cc: Docket 3294
Administrator DMEA (4)
Traver
Koschmann
DMEA
Mining Division
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

June 24, 1954.

Memorandum

To: DMEA Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Report of Examination - DMEA Docket 3294 (Tungsten), Karl W. DuBois et al., Green Rock lode claim, Larimer County, Colorado.

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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
June 8, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

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

Subject: DMEA 3294 (Tungsten), Karl W. Du Bois, Edward J. Bacher and Wilbur T. Tryon, (Green Rock claim), Larimer Co., Colorado

Enclosed are the original and eight copies of a brief engineering report on the subject docket by R. L. Bolmer in which he concludes there is little possibility of developing any appreciable reserves of scheelite at a reasonable cost and exploration is not warranted. I concur.

No recommendations are made as the applicant by letter of May 20, 1954, (nine copies enclosed), withdrew his application.

The brochure forwarded with your memorandum of March 26, 1954, instructing us to submit a suitable report is also enclosed.

Wm. Traver

W. M. Traver

Enclosures

cc: 8
DMEA 3294
DMEA Chron.

WMT/ici

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMEA 3294, Karl W. Du Bois, Edward J. Bacher,
and Wilbur L. Tryon, Applicants

Green Rock Claim

Larimer County, Colorado

(Tungsten)

R. L. Bolmer, Mining Engineer
Bureau of Mines

May 26, 1954

DMEA 3294

Karl W. Du Bois, Edward J. Bacher
and Wilbur L. Tryon, Applicants
GREEN ROCK CLAIM
LARIMER COUNTY, COLORADO

Engineering Report

By R. L. Bolmer
Mining Engineer
Bureau of Mines

DMEA 3294

Karl W. Du Bois, Edward J. Bacher,
and Wilbur L. Tryon, Applicants
GREEN ROCK CLAIM
LARIMER COUNTY, COLORADO

ENGINEERING REPORT

By R. L. Bolmer

INTRODUCTION

Karl W. Du Bois, Edward J. Bacher, and Wilbur L. Tryon, applied for aid in an exploration project, pursuant to DMEA Order 1, Defense Production Act of 1950, as amended (Docket No. DMEA 3294). The applicants - lessees of the Green Rock claim, Larimer County, Colo. - proposed to explore that property for tungsten by drifting some 500 feet at an estimated cost of $15,743.00. The property was examined May 18, 1954, with E. N. Harshman of the Geological Survey, and Karl W. Du Bois. Subsequent to the examination, the applicants withdrew their request for exploration assistance. The reasons given were that facilities for milling scheelite ore are not available and that, upon further examination, there appeared little chance of commercial production from the deposit. Recommendations regarding the proposed exploration of this property, therefore, have not been included with this report.

LOCATION

The specific location of the property is SW1/4 sec. 26, NW1/4, sec. 35, T. 9 N., R. 71 W., sixth principal meridian, Larimer County, Colo. It is accessible from Columbine, a community in the Poudre River Canyon about 20 miles north and west of Ft. Collins, Colo. via U. S. Highway 287 and State Highway 14. The deposit is 2-1/2 miles

north of Columbine via a ranch road which follows Gordon Creek up Hewlett Canyon. The last half mile of road from the creek to the deposit is in poor condition.

The deposit is at an approximate altitude of 6,500 feet. Its outcrop - more residual than the surrounding rocks - forms the backbone of a rounded, northeasterly sloping ridge between two tributary gullies of Gordon Creek. Gordon Creek carries a small amount of water most of the year; its tributaries generally are dry. The property is covered mostly with oak brush, but some timber suitable for mining purposes occurs nearby. The Colorado and Southern Railway crosses State Highway 14 near its junction with U. S. Highway 287, a trucking distance from the deposit of about 14 miles.

HISTORY AND PRODUCTION

The Green Rock claim was located in recent years by ranchers in the area. A production of from 30 to 50 tons of scheelite ore averaging from 1 to 2.5% WO_3 - most of which resulted from assessment work - reportedly was shipped to custom mills in Boulder County. The crude ore apparently was hand sorted to some extent before shipment. The property is not being worked at present and contains no mining equipment or other facilities. On the adjoining property east of the Green Rock claim - in Hewlett Canyon proper - some mining has been performed on what appears to be an extension of the same tungsten zone. This property reportedly is worked for assessment purposes only. Its past production, if any, is unknown.

OWNERSHIP AND EXTENT

The property consists of the single, unpatented Green Rock lode mining claim, a rectangular area 1,500 feet in length by 600 feet in width. The claim is laid out approximately east - west along the outcrop and apparent extensions of the tungsten formation. The property is held through location by Clifford Woodhams of 944 Sicamore Street, Ft. Collins, Colo., and is recorded in Book 779, page 154 of the records of Larimer County. The applicants hold the property under a bond and lease.

DESCRIPTION OF THE DEPOSIT

A contact metamorphic zone within schists and gneisses of the pre-Cambrian Idaho Springs formation outcrops intermittently for some 500 feet up the lower eastern slope of the Green Rock claim. Its outcrop is obscured by overburden on the western sections of the property. What appears to be an extension of the same contact zone can be traced easterly onto the adjoining property, over an intervening ridge, and into and across Hewlett Canyon where it has been developed at lower elevations by short adits on either side of the canyon. The zone probably represents a more limey bed of the original formation which has been recrystallized and garnetized. It strikes N. 87°W., dips 85° South, and averages about 8 feet in width over its traceable length on the Green Rock claim. The difference in elevation between the lowest and highest observed points along its outcrop is about 225 feet.

On the eastern slope of the claim, the outcrop of the zone is fully exposed for a continuous length of only 150 feet.

All of the development of the zone on the property is confined to this section of its outcrop. Within this section, a 30-foot shaft was sunk vertically on the structure; 60 feet farther westerly along the outcrop, a crosscut trench was driven to the south edge of the zone. These workings, as well as the outcrop between them, were examined thoroughly with a Mineralight.

The southwall of the structure, as exposed in the trench, contained no visible scheelite. The shaft, except for some very limited, widely disseminated occurrences of mineral near its collar, also was barren. This shaft reportedly was the source of all former production from the property. An estimated 1-ton of sorted ore, stockpiled near and apparently originating from the shaft, displayed fairly high concentrations of scheelite under the Mineralight, and assayed 3.5% WO_3. The remaining unsorted material in and around the shaft dump contained only traces of mineral. The outcrop between the trench and the shaft contained only occasional patches of disseminated scheelite, none of which approached commercial concentrations. The only commercial grade material in this section of the zone apparently had been confined to a single small lens, whose dimensions did not exceed the limits of the shaft. The outcrop of the zone exposed elsewhere on the property, as well as two short adits lower on the hillside but not on the structure, also were tested with the Mineralight with negative results in all instances.

CONCLUSIONS

While the zone does contain scheelite along one exposed section of its outcrop and may be similarly mineralized at other

locations along its probable extensions, there is no indication that other such occurrences will be more extensive or of greater concentration. The tungsten concentrations in this zone appear too low in grade, too erratic in occurrence, and too limited in extent for possible economic extraction. The possibility of discovering any appreciable reserves at a reasonable cost in a deposit of this type was considered unlikely and exploration of the property was considered unwarranted.

DIST. ENGR. WMT
EXAMINATION
DIST. CLERK
PERSONNEL
FILES
3294
RLB RRB

Denver,
Colo.

Mineral Resources Branch

May 20,
1954

Date Rec'd
MAY 25 1954
BUREAU OF MINES
Denver, Colorado

U.S.Bureau of Mines
Denver,Colo/

Attention of
Mr.W.M.Traver

Dear Sir ;

I hereby withdraw my application for a loan on a property known as the Green Rock lode,situate in Larimer,County,Colo., for these reasons :

(1) There is now no mill which will treat Scheelite ore available.

(2) After further examination by myself and the Bureaus engineers it appears that there is very little chance to develope a deposite of commercial ore.

Thank you for your consideration and I regret that this was a "wild goose " chase!

Yours truly,
Karl W. Du Bois
Karl W.Du Bois

1460 Cook Phone FR. 7-4537

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

224 New Customhouse
Denver 2, Colorado

June 24, 1954

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: Code 200

From: Field Team, DMEA, Region IV

Subject: Report of Examination, DMEA Docket 3294 (Tungsten), Karl W. DuBois et al., Green Rock lode claim, Larimer County, Colorado

Enclosed are four copies of the report of examination on the subject property and two copies of Form 3b.

Also enclosed are four copies of a letter from the applicant dated May 20, 1954 in which he requests that his application be withdrawn.

W. H. King
W. H. King
DMEA Field Team, Reg. IV

Enclosures

for E. N. Hardman
A. H. Koschmann
DMEA Field Team, Reg. IV

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

224 New Customhouse
Denver 2, Colorado

June 24, 1954

Mr. Karl W. DuBois
1460 Cook Street
Denver, Colorado

Re: DMEA Docket 3294 (Tungsten)
Karl W. DuBois et al., Green Rock lode claim, Larimer County, Colorado

Dear Mr. DuBois:

We hereby acknowledge receipt of your letter dated May 20, 1954 withdrawing your application for Government assistance to explore your Green Rock claim for tungsten.

Based on this letter, we have closed DMEA Docket 3294 as of this date.

We thank you for your interest in the Defense Minerals Exploration program.

Very truly yours,

W H King

W. H. King
Executive Officer
DMEA Field Team
Region IV

RDB:es

cc: Docket 3294
Administrator DMEA (4)
Traver
Koschmann
DMEA
Mining Division
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

June 24, 1954.

Memorandum

To: DMEA Field Team, Region IV

From: Chief, Mining Division, Region IV

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Enclosures

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Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
June 8, 1954

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To: Executive Officer, DMEA Field Team, Region IV

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cc: 8
DMEA 3294
DMEA Chron.

WMT/ici

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DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMEA 3294, Karl W. Du Bois, Edward J. Bacher, and Wilbur L. Tryon, Applicants

Green Rock Claim

Larimer County, Colorado

(Tungsten)

R. L. Bolmer, Mining Engineer
Bureau of Mines

May 26, 1954

DMEA 3294

Karl W. Du Bois, Edward J. Bacher
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GREEN ROCK CLAIM
LARIMER COUNTY, COLORADO

Engineering Report

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Mining Engineer
Bureau of Mines

DMEA 3294

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Denver,
Colo.

May 20,
1954

U.S.Bureau of Mines
Denver,Colo/

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Denver 2, Colorado

June 24, 1954

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Executive Officer
DMEA Field Team
Region IV

RDB:es

cc: Docket 3294
Administrator DMEA (4)
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BUREAU OF MINES

Mining Division
Region IV

June 24, 1954.

Memorandum

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Enclosures

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BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
June 8, 1954

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To: Executive Officer, DMEA Field Team, Region IV

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cc: /8
DMEA 3294
DMEA Chron.

WMT/iei

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMEA 3294, Karl W. Du Bois, Edward J. Bacher,
and Wilbur L. Tryon, Applicants

Green Rock Claim

Larimer County, Colorado

(Tungsten)

R. L. Bolmer, Mining Engineer
Bureau of Mines

May 26, 1954

DMEA 3294

Karl W. Du Bois, Edward J. Bacher
and Wilbur L. Tryan, Applicants
GREEN ROOM CLAIM
LARIMER COUNTY, COLORADO

Engineering Report

By E. L. Palmer
Mining Engineer
Bureau of Mines

DMEA 3294

Karl W. Du Bois, Edward J. Bacher,
and Wilbur L. Tryon, Applicants
GREEN ROCK CLAIM
LARIMER COUNTY, COLORADO

ENGINEERING REPORT

By R. L. Bolmer

INTRODUCTION

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The Green Rock claim was located in recent years by ranchers in the area. A production of from 30 to 50 tons of scheelite ore averaging from 1 to 2.5% WO_3 - most of which resulted from assessment work - reportedly was shipped to custom mills in Boulder County. The crude ore apparently was hand sorted to some extent before shipment. The property is not being worked at present and contains no mining equipment or other facilities. On the adjoining property east of the Green Rock claim - in Hewlett Canyon proper - some mining has been performed on what appears to be an extension of the same tungsten zone. This property reportedly is worked for assessment purposes only. Its past production, if any, is unknown.

OWNERSHIP AND EXTENT

The property consists of the single, unpatented Green Rock lode mining claim, a rectangular area 1,500 feet in length by 600 feet in width. The claim is laid out approximately east - west along the outcrop and apparent extensions of the tungsten formation. The property is held through location by Clifford Woodhams of 944 Sicamore Street, Ft. Collins, Colo., and is recorded in Book 779, page 154 of the records of Larimer County. The applicants hold the property under a bond and lease.

DESCRIPTION OF THE DEPOSIT

A contact metamorphic zone within schists and gneisses of the pre-Cambrian Idaho Springs formation outcrops intermittently for some 500 feet up the lower eastern slope of the Green Rock claim. Its outcrop is obscured by overburden on the western sections of the property. What appears to be an extension of the same contact zone can be traced easterly onto the adjoining property, over an intervening ridge, and into and across Hewlett Canyon where it has been developed at lower elevations by short adits on either side of the canyon. The zone probably represents a more limey bed of the original formation which has been recrystallized and garnetized. It strikes N. 87°W., dips 85° South, and averages about 8 feet in width over its traceable length on the Green Rock claim. The difference in elevation between the lowest and highest observed points along its outcrop is about 225 feet.

On the eastern slope of the claim, the outcrop of the zone is fully exposed for a continuous length of only 150 feet.

All of the development of the zone on the property is confined to this section of its outcrop. Within this section, a 30-foot shaft was sunk vertically on the structure; 60 feet farther westerly along the outcrop, a crosscut trench was driven to the south edge of the zone. These workings, as well as the outcrop between them, were examined thoroughly with a Mineralight.

The southwall of the structure, as exposed in the trench, contained no visible scheelite. The shaft, except for some very limited, widely disseminated occurrences of mineral near its collar, also was barren. This shaft reportedly was the source of all former production from the property. An estimated 1-ton of sorted ore, stockpiled near and apparently originating from the shaft, displayed fairly high concentrations of scheelite under the Mineralight, and assayed 3.5% WO_3. The remaining unsorted material in and around the shaft dump contained only traces of mineral. The outcrop between the trench and the shaft contained only occasional patches of disseminated scheelite, none of which approached commercial concentrations. The only commercial grade material in this section of the zone apparently had been confined to a single small lens, whose dimensions did not exceed the limits of the shaft. The outcrop of the zone exposed elsewhere on the property, as well as two short adits lower on the hillside but not on the structure, also were tested with the Mineralight with negative results in all instances.

CONCLUSIONS

While the zone does contain scheelite along one exposed section of its outcrop and may be similarly mineralized at other

locations along its probable extensions, there is no indication that other such occurrences will be more extensive or of greater concentration. The tungsten concentrations in this zone appear too low in grade, too erratic in occurrence, and too limited in extent for possible economic extraction. The possibility of discovering any appreciable reserves at a reasonable cost in a deposit of this type was considered unlikely and exploration of the property was considered unwarranted.

Denver,
Colo.

May 20,
1954

U.S.Bureau of Mines
Denver,Colo/

Attention of
Mr.W.M.Traver

Dear Sir ;

I hereby withdraw my application for a loan on a property known as the Green Rock lode,situate in Larimer,County,Colo., for these reasons :

(1) There is now no mill which will treat Scheelite ore available.

(2) After further examination by myself and the Bureaus engineers it appears that there is very little chance to develope a deposite of commercial ore.

Thank you for your consideration and I regret that this was a "wild goose " chase!

Yours truly,
Karl W.Du Bois

1460 Cook Phone FR. 7-4537

Rutledge
Martin
Hedges
Lazarus
Selfridge
Gilmore
Wickendoff

APR 2 1954

Interior Dept.
Defense Minerals Exploration Administration

14X4401(01) Revolving Fund, Defense Production Act, Interior (Allocated Working Fund to the Office of the Secy.)

TELETYPE

To: W. H. King, DMEA Executive Officer, Region IV
Denver, Colorado

Our review of application by Karl W. DuBois, Edward J. Bacher, and Wilbur L. Tryon, Docket DMEA 3294-Tungsten, Green Rock Lode, Larimer County, Colorado, indicates that in case you decide to write contract additional ground should be added if controlled by the applicant.

George C. Selfridge

G. C. Selfridge
Chairman, Operating Committee

cc: Field Team, Region IV
Docket
Code 400
Adm. Read. File
Oper. Comm.
Audits Divn., Bur. Mines
R. W. Geehan, USBM
P. W. Guild, USGS

WSMartin/ls
4/2/54

SENT
APR 2 1954
Clerical Service Section

R.G.S.

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : Administrator, DMEA DATE: 3-31-54

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

SUBJECT: Region IV application
Docket No. DMEA 3294 - Tungsten
Karl W. DuBois, Edward J. Bacher and Wilbur L. Tryon
Green Rock Lode
Larimer County, Colorado

The subject application lists only one claim, the Green Rock lode claim, under Article 3 of MF-103. The description of the property and the maps attached to the application indicate, however, that the vein or dike to be explored is continuous for several claim lengths.

Therefore, if a contract is warranted, we trust that the Field Team in the interest of the Government will include the adjoining claims on each end of the Green Rock claim in the land covered by the contract, unless such claims are outside the applicant's control.

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

Docket
Surname
Rutledge
Martin

Administrator, DMEA 3-31-54

Chief, Iron and Ferro-Alloys Division, DMEA

Region IV application
Docket No. DMEA 3294 - Tungsten
Karl W. DuBois, Edward J. Becher and Wilbur L. Tryon
Green Rock Lode
Larimer County, Colorado

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SIGNED

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

FARutledge:fcc
3-31-54
cc to: Docket
Code 400
Adm. Reading File

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 29 1954

224 New Customhouse
Denver 2, Colorado

March 26, 1954.

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: Code 200

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docketing for Exploration Assistance

Enclosed herewith in duplicate is DMEA Form 3a and MF-103 and supporting data pertaining to the following application for Government assistance in exploration work:

Karl W. Dubois et al. (Tungsten)
1460 Cook Street
Denver, Colorado

John F. Shaw
For W. H. King

Enclosures

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Adm.
RECEIVED
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1460 Cook Street
Denver, Colorado

John F. Shaw
John F. Shaw
For W. H. King

Enclosures

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
MAR 29 1954

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. 3294
Metal or Mineral Tungsten
Date Received
Estimated Cost $15,743
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: Karl W. DuBois, 1460 Cook, Denver, Colorado
Edward J. Bacher, Chicago Creek, Idaho Springs, Colorado
Wilbur L. Tryon, 1343 Havana Street, Aurora, 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. Partnership

(*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 Situate in SW ¼ Sec. 26 and NW ¼ Sec. 35
T9N Range 71 West, Larimer County, Colorado
Green Rock lode claim

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

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

(*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 Not to our knowledge

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. Book 779, page 134, Larimer County

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 wish to explore Scheelite (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 5 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Explain in detail on acompanying paper. See attached

CERTIFICATION

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

Dated March 25, 1954

Karl W. Du Bois
(Applicant)

By

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

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

DEPARTMENT OF THE INTERIOR
Bureau of Mines Administration
RECEIVED

4(a) Physical description.

Development work done as assessment work consists of a shaft some 30 feet deep on the dyke or vein, one tunnel some 30 feet long and one tunnel some 40 feet long off of which a cross extends some 25 feet.

All of the works are accessible for examination, as is the dyke or vein which can be traced the full length of the claim.

(b) Due to the fact that, until recently the tungsten mills near Boulder, Colorado (the nearest and only mills available for the treatment of tungsten ore) could not treat Schulite ore only test runs were made, some 30 to 50 tons of ore mined from the shaft gave net returns of from 1 to 2.5 percent WO_3.

(c) The deposit appears to be an intrusive dyke of material harder than the surrounding rock and has therefor not eroded as fast so that it stands up, in most places, above the level of the surrounding land.

The dyke apparently from 4 to 6 feet wide and appears to be impregnated with Schulite in more or less amounts through its width.

It is apparently almost vertical, at least to a depth of the shaft, 30 feet, and can be traced the full length of the claim.

It forms the ridge from which the ground slopes, very steeply to the south, and at a lesser grade towards the north.

From the lower (easterly) end of the claim the ground rises very steeply the first 200 feet, gaining an altitude of some 75 feet to 100 feet, from thereon an elevation of perhaps 350 to 400 feet is gained at the westerly end of the claim.

(d) It is accessible by a road, of which the last ¼ mile or so needs some repair. The property is about 2½ miles off of the Poudre River oiled highway, about 23 miles from Fort Collins, Colorado the nearest shipping and supply depot.

As the elevation above sea level is about 7000 feet no great difficulty should be encountered by bad winter weather.

Residences probably can be rented at the village of Columbine a distance of about 2½ miles from the property.

(e) Man power will be furnished by doing the work ourselves, excepting, should we find it adviseable and economical to hire more men for another shift.

Materials and supplies are available at Fort Collins, Colorado a distance of about 23 miles.

Water is available for all mining purposes (and in sufficient amount for milling at least 25 tons a day) at a distance of about ½ mile. Additional water is available from the Poudre River 2½ miles away.

Power will be furnished by gasoline engines.

5(b) The exploration project.

Object is to determine the depth, width, extent and value of the deposits by driving an exploration tunnel 500 feet on the vein or dyke.

This tunnel will, we believe, prove the deposits to be of sufficient value to justify the building of a mill for the treatment of this kind of ore.

The proposed tunnel when completed to this distance (500 feet) would be at an elevation of some 200 to 250 feet below the surface.

(d) The work would be under the supervision of the applicant, K. W. DuBois, who has had some 35 years experience in the mining industry, as mine owner, lessee, and operator.

6 Estimation of costs.

(a) It is expected that, with the exception of repairing the road and bridges, which may be contracted, that we will do all of the work ourselves.

These two items estimated at $750.00 — $ 750.00

(b) Labor

3 men, 120 shifts at $15.00 per man per shift
3 x 120 x 15.00 equals $5,400.00
1 man, supervisor 5 months at $400.00 equals $2,000.00 — $ 7,400.00

(c) Operation material and supplies

Small tools	$ 125.00	
Gasoline 4000 gallons at $.25	1,000.00	
Oil 100 gallons at $1.00	100.00	
Powder 3000 lbs at $.18	540.00	
Fuse 10,000 feet	125.00	
Primers 2000	35.00	
Oil, grease, etc.	50.00	
Nails (assorted) 50 lbs	30.00	
Spikes 100 lbs	60.00	
600 feet 2 inch pipe at $.40	240.00	
Pipe fittings, valves, etc.	100.00	
1400 feet 16 lb track rail at $.07	98.00	
Spikes, fist plates, etc.	25.00	
360 track ties at $.25	90.00	
Mine timber	500.00	
Lumber ore bin (10 x 10 x 10 = 2,500 feet)	250.00	
700 feet 1 inch water pipe at $.20	140.00	
50 feet air hose	25.00	
50 feet water hose	25.00	
1 pressure water tank	75.00	
	$3,633.00	$ 3,633.00

6 Estimation of costs (Continued)

(d) Operating equipment

Compressor 160 cubic feet (rental allowance)			
	120 days at $5.00	$600.00	
Hammer	120 days at $5.00	$600.00	(Rental purchase contract)
Car loader	120 days at $5.00	$600.00	(Rental purchase contract)
Ore car		$ 75.00	
Drill studs (2500 feet estimated at $.01		$250.00	
Grinding wheel, motor, etc.		$ 25.00	
Blacksmith forge, tools, etc.		$ 75.00	
		$2225.00	$2,225.00

(f) Buildings

Compressor House 10 x 15 x 7		
Lumber 1000 B.F. at $100.00	100.00	
Nails 50 lbs	30.00	
Roofing paper 8 rolls at $3.00	24.00	
4 windows at $4.00	16.00	
Hardware, locks, etc.	5.00	
Labor	175.00	
	$350.00	$ 350.00
Storage shed (gasoline and oil) (6 x 8 x 7)		
Lubmer 500 B.F. at $100.00	50.00	
Roofing paper 4 rolls at $3.00	12.00	
Hardware, locks, etc.	5.00	
Labor	35.00	
	$102.00	$ 102.00
		$ 452.00

(g) Estimate repairs

Drill sharpening, etc.	150.00	
Accounting 5 months at $50.00	250.00	
Compensation insurance		
Deposits	125.00	
Premiums	148.00	
Withhold, tax	110.00	
	$783.00	$ 783.00

(h) Contingency fund $500.00 $ 500.00

Summary

(a)	750.00
(b)	7,400.00
(c)	3,633.00
(d)	2,225.00
(f)	452.00
(g)	783.00
(h)	500.00
	$15,743.00

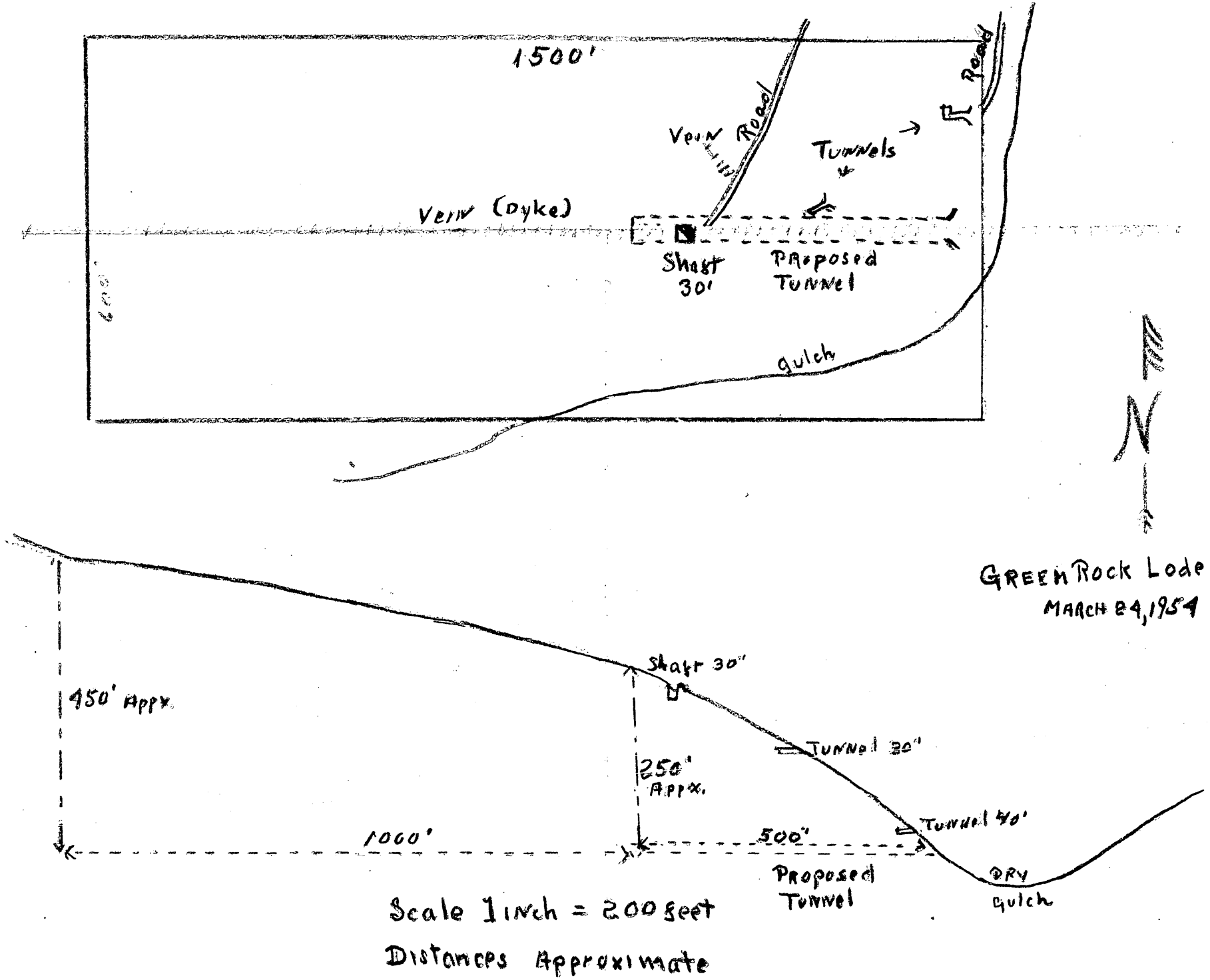
7(b)

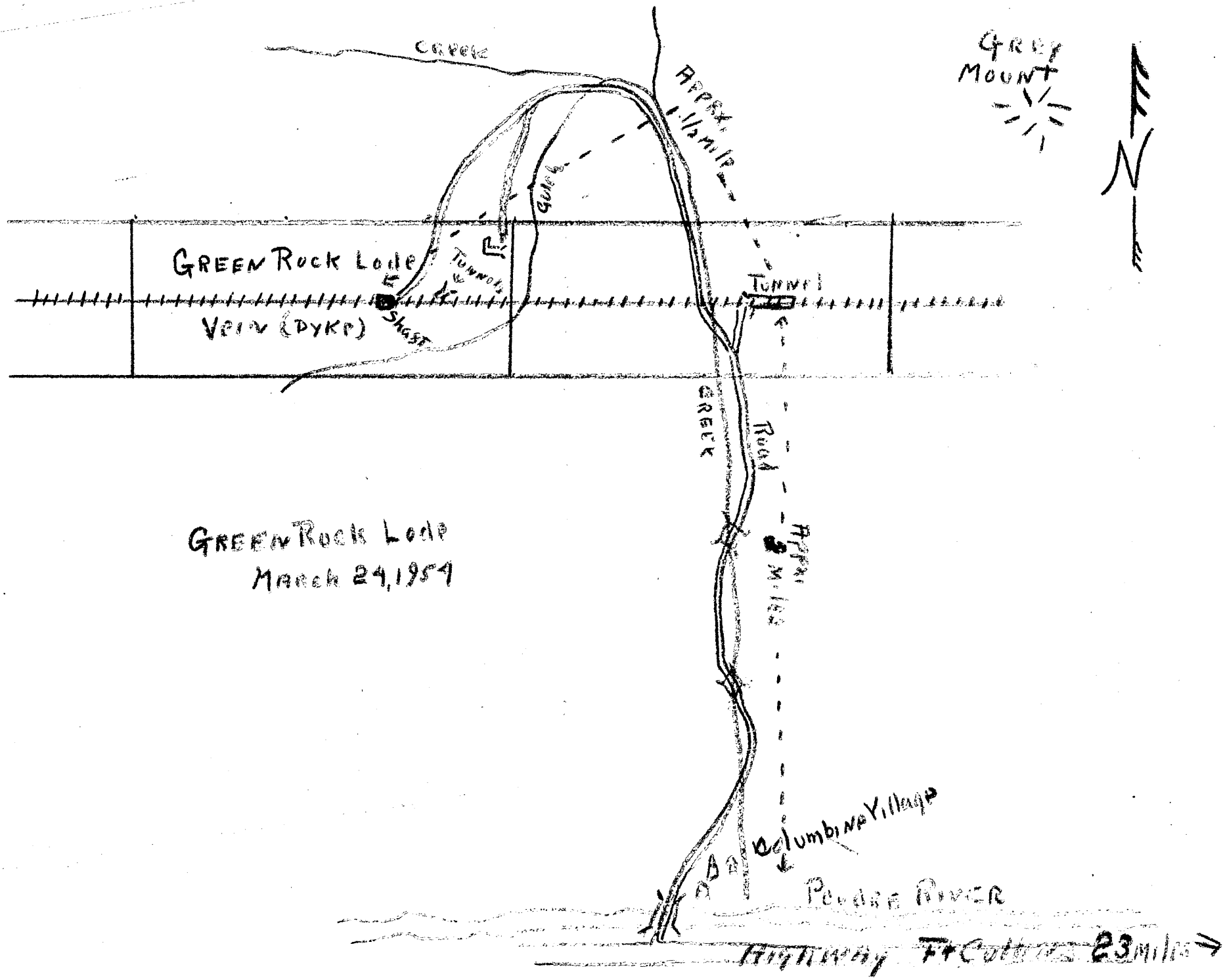
Finances will be furnished by private contributions, no stock, bonds or other forms of interest or indebtedness will be used or issued.

870 Market Street
San Francisco 2, Calif.
OFFICIAL BUSINESS

SAN FRANCISCO CALIF. MAR 23 '54 P.O. METER 169445

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


1500'
Road
Vein Road
Tunnels
Vein (Dyke)
Shaft 30'
Proposed Tunnel
Gulch
N
Green Rock Lode
March 24, 1954
Shaft 30'
450' Appx.
Tunnel 30'
250' Appx.
Tunnel 40'
1000'
500'
Proposed Tunnel
Dry Gulch
Scale 1 inch = 200 feet
Distances Approximate


Creek
Appx. 1 1/2 Mile
Grey Mount
N
Gulch
Green Rock Lode
Tunnel
Shaft
Vein (Dyke)
Tunnel
Creek
Road
Appx. 5 Miles
Green Rock Lode
March 24, 1954
Columbine Village
Bar
Poudre River
Highway Ft Collins 23 Miles