DMEA Form 1

DEFENSE MINERALS EXPLORATION ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA Docket No. 4468

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USGS, BM

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To:	400	Date	9/18/56
To:	Oper Com	Date	10-10-56
To:	Admr.	Date	10-10-56
To:	Oper Com	Date	12-26-56
To:	Admr.	Date	12-26-56
To:		Date	
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CONTROLLED DOCUMENT

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

400

DEC 27 1956

Mr. Lloyd E. Barber
Barber and Schmitt, Partnership
189 Arroyo Drive
Danville, California

Re: Docket No. DMEA 4468 - Tungsten
White Phantom Claims
Mono County, California

Dear Mr. Barber:

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

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

Careful study of all our information, although noting the occurrence of tungsten and molybdenum mineralization on this property, indicates to us that the probability of disclosing minable ore reserves is not sufficiently promising to justify Government participation. Under these circumstances we regret to advise you that your application is denied.

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

Sincerely yours,

C. O. Mittendorf

Administrator

TLChapman:fec
12/21/56
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT. REG. II
Messrs. R. W. Holliday, USBM
T. H. Kiilsgaard, USGS

December 21, 1956

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance
Docket No. DMEA 4468 - Tungsten
Barber and Schmitt, Partnership
White Phantom claims
Mono County, California

Denial of the subject application is recommended by this Division on the basis of the following information:

Lloyd V. Barber, 189 Arroyo Drive, Danville, California, and A. W. Schmitt, 255 East 2nd Street, Livermore, California, partners, made an application for exploration assistance on August 30, 1956. The property was examined on November 7, 1956, by Henry W. Jones, Bureau of Mines, and Robert C. Reeves, Geological Survey, and their report recommends denial of the application.

Property: The property owned by the applicants consists of 8 unpatented lode mining claims recorded as follows:

Claim Name	Book No.	Page No.
White Phantom #1	14	40
White Phantom #2	14	41
White Phantom #3	14	41
White Phantom #4	14	42
White Phantom #5	14	43
White Phantom #6	14	43
White Phantom #8	14	278
White Phantom #9	14	149

Located in section 16 (projected) T. 4 S., R. 35 E., M.D.B.& M. an unsurveyed township, Mono County, California.

Geology: The property is in an area of highly contorted and altered Precambrian sedimentary rocks intruded by granitic rocks. Tactites formed along the contact shows scattered specks of scheelite by lamping, but no samples indicated any material near

ore grade. Only manganese stain was found along joints in the contact metamorphic rocks. Geiger counter tests showed only a slight rise over background count.

Workings: No exploration or development work has been done on the property.

Past Production: No ore has been mined or produced from the property.

Comments and Conclusions: The Field Team believes there is little possibility of developing any quantity of ore of a minable grade and recommends denial of the application. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in the conclusions and recommendations of the Field Team.

W. S. Martin

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

TLChapman:foc
12/21/56
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.

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

Date December 12, 1956

DMEA Docket No. 4460
DMEA Contract No.
Commodity Tungsten
Name of applicant Lloyd F. Barber & A. W. Schmitt
Name of property White Phantom Claims
Location of property Mono County, California
Estimated cost of project

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through Chief, Branch of Ferrous Metals & Ferroallo

From: R. W. Holliday, Commodity Specialist, Branch of Ferrous Metals & Ferroalloys

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

1. Date of subject document: 11/28/56. 2. Date received by reviewer: 12/10/56.

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

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

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

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

7. Explain items marked yes above:

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

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

10. Remarks: (Use back of page if necessary) The subject report recommends that the application be denied because the small and scattered deposits do not warrant exploration. I concur in the recommendation.

R. W. Holliday

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

Date December 12, 1956

DMEA Docket No. 4468
DMEA Contract No.
Commodity Tungsten
Name of applicant Lloyd E. Barber & A. W. Schmitt
Name of property White Phantom Claims
Location of property Mono County, California
Estimated cost of project

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Chief, Branch of Ferrous Metals & Ferroalloy

From: R. W. Holliday, Commodity Specialist, Branch of Ferrous Metals & Ferroalloys

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

1. Date of subject document: 11/28/56. 2. Date received by reviewer: 12/10/56.

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

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

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

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

7. Explain items marked yes above:

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

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

10. Remarks: (Use back of page if necessary) The subject report recommends that the application be denied because the small and scattered deposits do not warrant exploration. I concur in the recommendation.

R. W. Holliday

400

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

Date December 12, 1956

DMEA Docket No. 4468
DMEA Contract No.
Commodity Tungsten
Name of applicant Lloyd E. Barber & A. W. Schmitt
Name of property White Phanton Claims
Location of property Kern County, California
Estimated cost of project

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Chief, Branch of Ferrous Metals & Ferroalloys

From: R. W. Holliday, Commodity Specialist, Branch of Ferrous Metals & Ferroalloys

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

1. Date of subject document: 11/28/56. 2. Date received by reviewer: 12/10/56.

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

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

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

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

7. Explain items marked yes above:

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

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

10. Remarks: (Use back of page if necessary) The subject report recommends that the application be denied because the small and scattered deposits do not warrant exploration. I concur in the recommendation.

R. W. Holliday

408

IN REPLY REFER TO:

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

December 10, 1956

RECEIVED DEC 13 1956 D.M.E.A.

Re: [illegible] 4462
Lloyd [illegible] and
[illegible] Schlecht
White Phantom Claims
Mono County, Calif.
$6,450.00 - Tungsten

Memorandum

To: [illegible], Defense Minerals Exploration Administration

From: [illegible] Nelson, U. S. Geological Survey

Subject: Review of Field Team Report.

The applicants requested assistance in exploring tactite zones said to contain tungsten, molybdenum, manganese and uranium, by shallow shafts, pits and adits.

The examiners found several exposures of tactite but the mineralization by scheelite is weak and the other minerals almost non-existant. Little or no work had been done by the applicants and no centers of mineralization indicated by prospecting.

The examiners and the Field Team recommend that the application be denied.

I concur with the recommendation

N. S. Nelson

N Nelson:btr
C 12/10/56

cc: Robert Holliday, 3517
Director's reading file (4212)
Branch reading file (4212)
DMEA (3)
Chron. file
Docket file

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

RECEIVED DEC 3 1956 DMEA

1605 Evans Avenue
Reno, Nevada

November 29, 1956

Memorandum

To: Operating Committee, DMEA, Interior Building
Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: DMEA Docket No. -4468 (Tungsten)
Lloyd E. Barber and A. W. Schmitt
White Phantom Claims
Mono County, California

Enclosed are four copies of our Application Report on subject property by H. W. Jones, Bureau of Mines, and R. G. Reeves, Geological Survey.

Roscoe Smith and I concur in the recommended denial of DMEA exploration aid.

S. Ricker

Encls.

Reviewed by
DMEA OPERATING COMMITTEE

(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

APPLICATION REPORT

DMEA-4468 (Tungsten)
Lloyd E. Barber and A. W. Schmitt
White Phantom claims
Mono County, California

by

H. W. Jones
U. S. Bureau of Mines

R. G. Reeves
U. S. Geological Survey

November 28, 1956

Reviewed by
DMEA OPERATING COMMITTEE

(date)

INTRODUCTION

Mr. Lloyd E. Barber, 189 Arroyo Drive, Danville, California, and Mr. A. W. Schmitt, 255 East 2nd Street, Livermore, California, partners, applied for Government assistance in an $8,450 program under the Defense Minerals Exploration Administration, docket DMEA-4468, to explore for tungsten, molybdenum, manganese, and uranium at the White Phantom claims, Mono County, California. The application was changed by the DMEA Operating Committee to confine the exploration to tungsten. The applicant believes large deposits of scheelite and molybdenum lie just below the surface exposures and could be easily exposed by several shallow shafts and adits.

A field examination was requested by the Operating Committee, and was made November 7, 1956 by Henry W. Jones, U. S. Bureau of Mines, and Robert G. Reeves, U. S. Geological Survey, accompanied by Mr. Barber.

The property is in the White Mountains, Mono County, California, on the ridge overlooking the south side of Toler Creek canyon at about 6,500 feet altitude. It is in sec. 16 (projected),

T. 4 S., R. 35 E., M.D.B.&M., an unsurveyed township. The claims are reached by traveling 2 miles north on State Highway 3-A from the Dyer post office, thence west along a fence for 0.5 mile. Bear left and follow the road an additional 2.6 miles up Toler Creek.

CONCLUSIONS AND RECOMMENDATIONS

The White Phantom claims are in an area of highly contorted and altered Precambrian sedimentary rocks intruded by granitic rocks. Tactite outcrops that contain a few scattered specks of scheelite were seen by lamping, but samples indicated none was near ore grade. No exploration or development work has been done in the area mapped. Additional tests were made by Geiger counter of the assumed radioactive areas, but readings indicated only a very slight rise above background count. The molybdenite pointed out by the applicant occurs as scattered crystals in a quartz vein one foot wide, and is too scattered to warrant sampling. The manganese vein referred to in the application proved to be manganese stain along joints in the contact-metamorphic rocks.

Deposits of economic minerals are too small and scattered to justify exploration.

It is recommended that the application be denied.

GEOLOGY AND ORE DEPOSITS

The White Phantom claims are on both sides of Toler canyon, a broad, steep-sided canyon extending eastward from the crest of the White Mountains. The general geology of the area was mapped by Anderson[1/], who paid particular attention

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1/ Anderson, C. H., 1937, Granitization, albitization, and related phenomena in the northern Inyo Range of California-Nevada: Geol. Soc. America Bull. V. 48, No. 1, pp. 1-74.

---

to the petrology of the igneous rocks and the contact metamorphism of the sedimentary rocks. Two granitic rocks occur in the area: the Pellisier granite believed to have resulted from the "granitization" of pre-existing rocks, and the Boundary Peak granite, believed to be "true igneous" rock. The Boundary Peak granite varies from granite to granodiorite and quartz diorite.

The metamorphism of the limestone to tactite and marble by the Boundary Peak granite, and the occurrence of scheelite with the tactite were described.

In the vicinity of Toler canyon the eastern flank of the range is composed of sedimentary rocks generally thought to be Precambrian or lower Cambrian that have been intruded and metamorphosed by Boundary Peak granitic rocks of Late Mesozoic age.

The sedimentary rocks limestone, shale, and sandstone have been metamorphosed to marble, phyllite and schist, and quartzite. The marble strikes northwest to west, and dips about 50° N. It is cut by an inferred northeast-trending, northwest-dipping fault. The marble is silicified and in part silicated along the fault, and interbedded shaly material has been converted to a calc-silicate hornfels (fig. 2).

The tungsten deposits on the White Phantom No. 3 claim are small pods of tactite along the contact between marble and a poorly exposed cupola of granite. Three tactite pods are exposed along the northern contact. The easternmost is about 40 feet long and a maximum of 25 feet wide; the center one is 18 feet long and 5 feet wide, and the westernmost is 50 feet long and 20 feet wide. Lamping and chemical analyses disclosed only a trace of tungsten.

Elsewhere on the White Phantom claims, narrow quartz veins that contain a little molybdenite and some torbenite are widely scattered. None of the occurrences are large enough or contain sufficient molybdenum, tungsten, or uranium to be ore.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA-4468
(Tungsten)

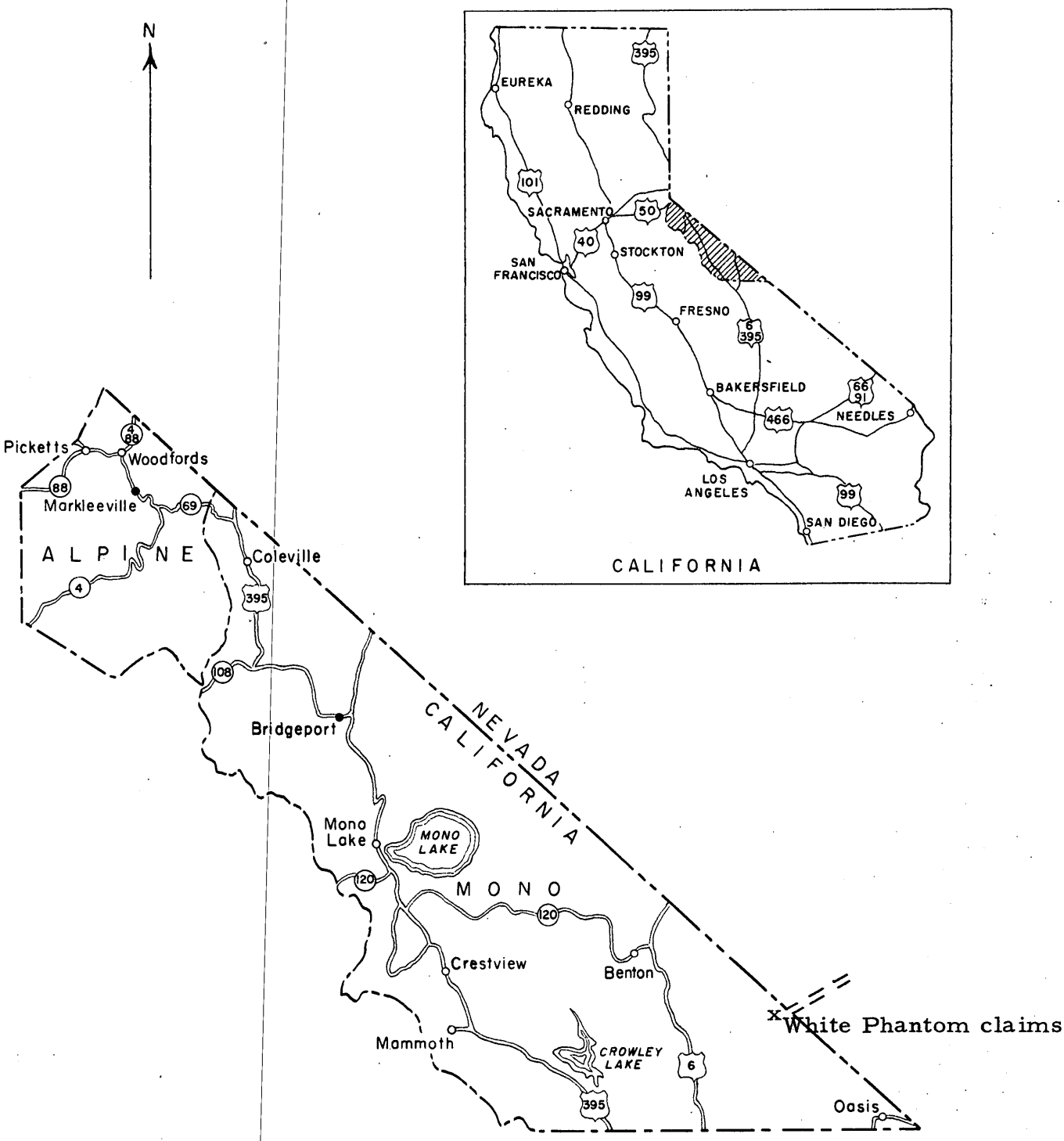


Figure 1. INDEX MAP OF ALPINE AND MONO COUNTIES, CALIFORNIA

0 20 40 80 Miles

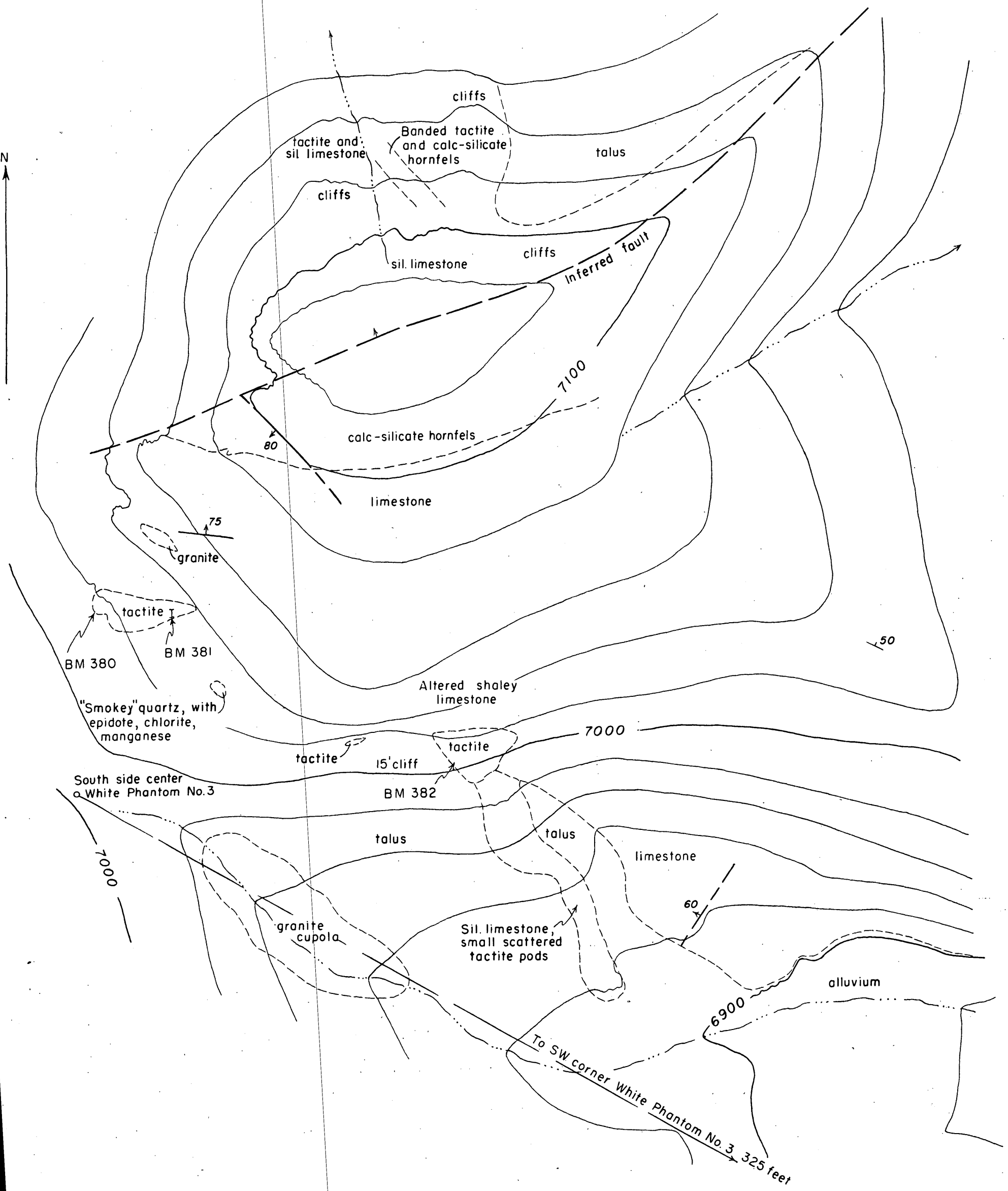


Figure 2. GEOLOGIC SKETCH MAP, WHITE PHANTOM CLAIMS, MONO COUNTY, CALIFORNIA

0 50 100 150 Feet

400

Mr. Spangler Picker
Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA-4468, Tungsten
Lloyd E. Barber and A. W. Schmitt
White Phantom Claims
Mono County, California

Dear Mr. Picker:

The above docketed application for exploration assistance is being referred to your office for a field examination of the property.

Copies of memoranda dated September 19 and 26, 1956, by N. E. Nelson, Geological Survey, and R. W. Holliday, Bureau of Mines, respectively, relating to the project are enclosed.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures

APPROVED:

Frank D. Lamb

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

TLChapman/esf - 10/10/56
cc to: Docket
Code 400 ✓
Admr. Read. File
Oper. Comm.
RWHolliday, USBM
THKiilsgaard, USGS

400

OCT 10 1956

Mr. Lloyd E. Barber
189 Arroyo Drive
Danville, California

Re: Docket No. DMEA-4468, Tungsten
White Phantom Claims
Mono County, California

Dear Mr. Barber:

The above docketed application for exploration assistance for tungsten ores has been reviewed by the Washington office of the Defense Minerals Exploration Administration and referred to Mr. Spangler Richer, Executive Officer, DMEA Field Team, Region II, 1605 Evans Avenue, Reno, Nevada, for a field examination of the property.

Any assistance you may give the examining engineers will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

TLChapman/esf - 10/10/56
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
RWHolliday, USBM
TMKiilsgaard, USGS
FT, REG. II

406

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

RECEIVED
SEP 27 1956

Date September 26, 1956

DMEA Docket No. 4468
DMEA Contract No.
Commodity Tungsten
Name of applicant Lloyd E. Barber
Name of property
Location of property White Phantom 1,2,3,4,5,6,8,& 9.
Estimated cost of project $8,450.-

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Chief, Branch of Ferrous Metals & Ferroalloys

From: R. W. Holliday, Commodity Specialist, Branch of Ferrous Metals & Ferroalloys

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

1. Date of subject document: 9/17/56. 2. Date received by reviewer: 9/21/56
3. Prior reports on this property known to reviewer: Yes [ ], No [x].
4. Prior reports on nearby properties known to reviewer: Yes [ ], No [x].
5. Information available on past production: Yes [ ], No [x].
6. Other pertinent factors known to reviewer: Yes [ ], No [x].
7. Explain items marked yes above:

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

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

10. Remarks: (Use back of page if necessary) A Bureau of Mines letter is cited in one of the sketch maps accompanying the application, but I have no copy of the letter. The sketch indicates several places where shafts should be dug but there is no definite proposal. Additional information either from the applicant or the Field Team is needed in order to appraise this application.

R. W. Holliday

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
SEP 17 1956

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. 4468
Metal or Mineral Tungsten
Date Received 9/17/56
Estimated Cost $8,450
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: Lloyd E. Barber - Partnership - 189 A rroyo Drive, Danville, California
A.W. Schmidt - Other Partner - 255 East 2nd St. Livermore, Calif

(*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 White Phantom #1, #2, #3, #4, #5, #6, #8, #9, Mining Claims situated in Tober Toler Creek Canyon, as mapped on accompanying diagram, Mono County, Calif., and near Dyer, Nev. Recorded at Bridgeport, Mono County.

(*b*) State any mine name by which the property is known. None.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner of eight unpatented claims, in Inyo National Forest

(*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. #1-Vol.14,p.40; #2-Vol.14,p.41; #3-Vol.14,p.41; #4-Vol.14,p.42; #5-Vol.14,p.43; #6-Vol.14,p.43; #8-Vol.14,p.278; #9-Vol.14,p.149

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. Prospect holes; Good road to claims.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you. See attachment 4-C

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. Good tar access roads, 49 miles to railhead, 60 miles to supply, 35 mi. to residence.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power. Manpower, materials, supplies, equipment available 60 to 70 miles, Tonopah, Nev. and Bishop, Calif. Water by drilling on claims. Power tie in 10 miles away.

16—66551-1

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

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. See attachment 5-B

(*c*) The work will start within 60 days and be completed within 8 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations. See 5-d attachment.

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.). None.

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants. See attachment 6-b

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel. See attachment 6-c

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented; purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be. See attachment 6-d

(*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. Not applicable.

(*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. see 6-f

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes. See attachment 6-g

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above. See 6-h

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

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

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

☐ Money ☒ Use of equipment owned by you ☒ Other

Explain in detail on acompanying paper.
See attachment 7-b

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 30, 1956

Lloyd E. Barber
(Applicant)

By Albert H. Johnson

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

L. E. Barber
189 Arroyo Drive
Danville, Calif

(Assay Originals furnished on request)

4.(c) Chemical Assay Report of Molybdenum vein on Claim #9
Done by Pittsburgh Testing Labs.

MoO_3 - 1.42%

Surface samples only:

Assay Report of ore from west end of tactite vein Claim #3
Done by Abbot A. Hanks, Inc.

Molybdenum	-	.07%
Tungsten	-	.38%

Assay Report on sample from prospect hole on east end of tactite vein Claim #3

Molybdenum	-	to .3%
Titanium	-	.3%
U_3O_8	-	.015%

Assay Report on sample from Claim #8
Done by Abbot A. Hanks, Inc.

Molybdenum	-	.03% to .30%

On this interesting prospect located on the east side of the White Mountains of California, Jurassic Acid intrusive granite (porphyry) has intruded Cambrian marine meta sediments and formed a contact-metamorphic zone in which tungsten as scheelite and molybdenum has been discovered - and proven by assay - for a distance of about 2,500 feet. Additionally, an ore-shoot of manganese lies above the tactite vein on Claim #3. This was pointed out by a mining engineer from the Molybdenum Corp. of America who are very much interested in the prospect. The tactite vein, composed of epidote-garnet-hornfels, contains tungsten, molybdenum, and uranium assayed from surface samples. (See enclosed sketch of assay locations). Molybdenum and tungsten (scheelite) are present in the tactite vein of 400 to 500 feet in length, and in quartz veins on two claims. Powellite is found over a distance of 1/2 mile and in proximity to the claims. It is believed a large commercial deposit of both molybdenum and tungsten lie below the surface of the tactite vein and an opened exposed vein some two feet wide on Claim #9. This is believed to be a stringer from a large deposit west of it and in a big quartz hill, which appears to be high-temperature vein gangue material. About five tunnels dug on the existing veins should reveal richer, commercial-grade ore.

L.E.Barber
189 Arroyo Drive
Danville,Calif.

5. (d) Applicant worked about three years for the U.S.Geological Survey in the Engineering Geology Division under the Chief of the Denver Branch. Applicant has extensive knowledge of geological maps and general formations. He has had intimate contact with field notebooks and maps of great geologists from Hayden on. Applicant and his partner have prospected for more than a year in the region of this property. Partner has share in another mine which has been shafted and explored in various places. His knowledge of dynamiting and drilling are sufficient to supervise workmen involved in actual exploratory shaft operations.

The applicant will consult an impartial geologist for the scientific assistance required for actual location of preliminary exploratory work.

6. See separate attachment.

7.(b) 1. Use of jeep and various tools and miscellaneous equipment owned by partner.

2. Other - Supervision of one partner to see that the work keeps moving and is done properly.

Value - $150 a week for 3 months - $1,950.

L.E.Barber
189 Arroyo Drive
Danville, Calif.

6. (b) Labor, Supervision, Consultants:

1. Supervision @ $150 a week for 3 months.... $1,950
   (Applicant's share of cost)

2. Two laborers @ $2.00 per hour for 3 months $2,100

3. Consulting geologist or engineering geologist - $50 per day for two weeks approx.... $500

6. (c) Materials and Supplies: .... ~~$400~~ 800

1. Dynamite and caps.....$200.
2. Drills 100.
3. Forge and anvil 50.
4. 3 Picks 30.
5. 2 Shovels 20.
6. Fuel 400

6. (d) Equipment:

One compressor and drill - rental (est) $800

6. (f) Buildings, etc.:

1. One utility and tool bldg. $500

2. Improve road in several places and, if necessary, build small wooden bridge..... $250

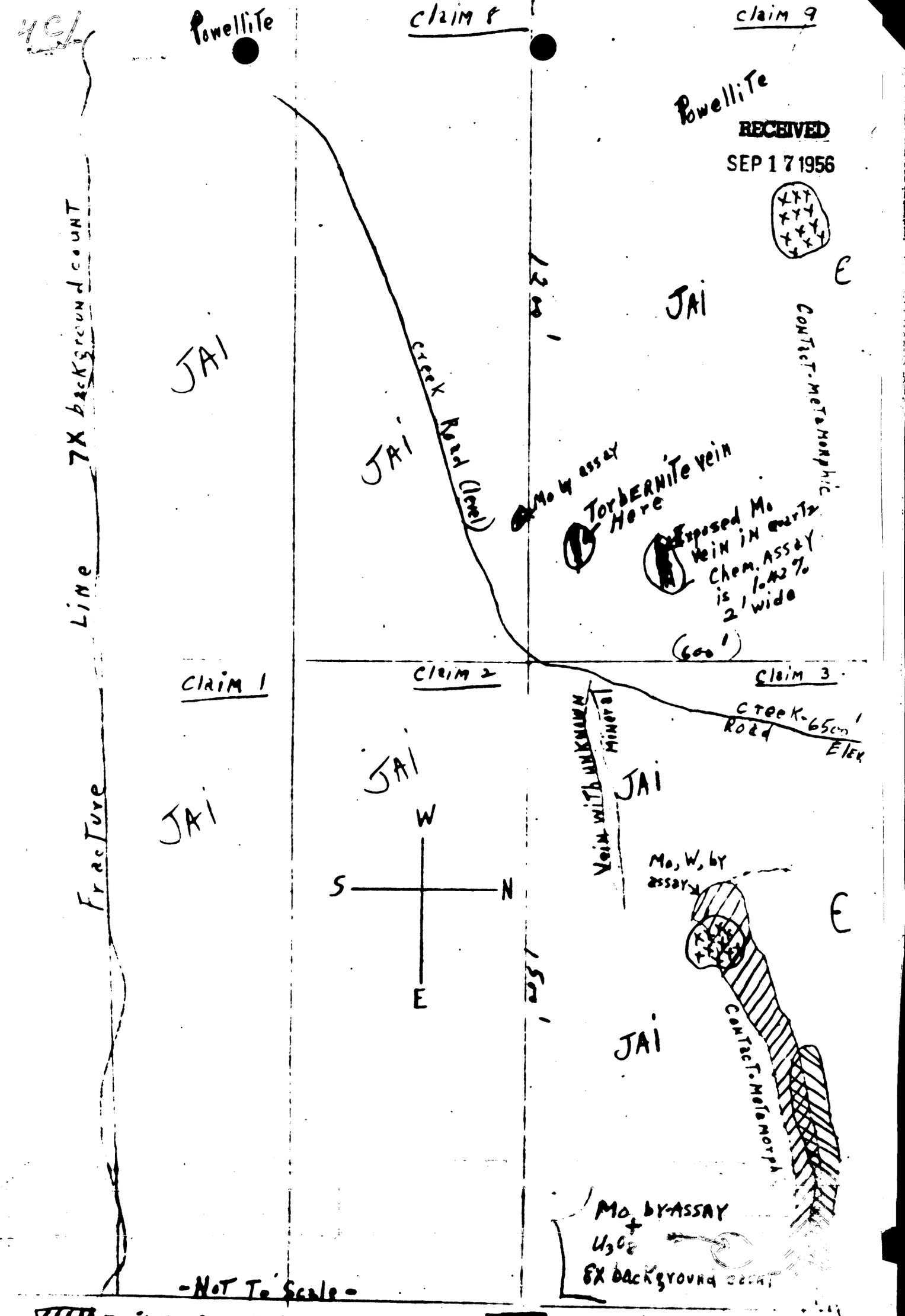
6. (g) Miscellaneous:

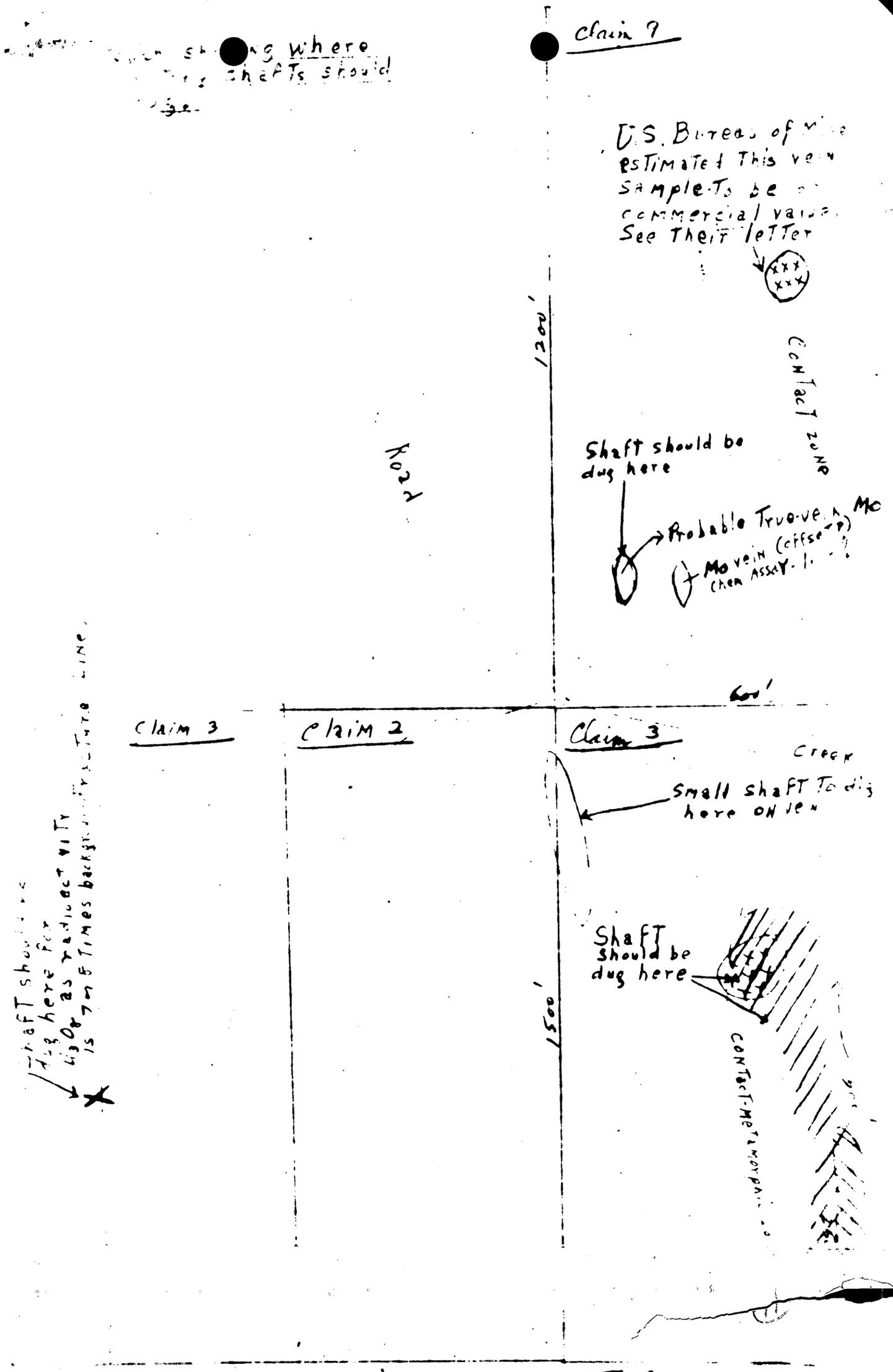
Workmen's compensation and employers' liability insurance..... $500

Analytical work 250

6.(h) Allowances for contingencies $800

Total estimated cost $8,450


Powellite
claim 8
claim 9
Powellite
RECEIVED
SEP 17 1956
7X background count
Line
Fracture
JAI
JAI
JAI
Creek Road (level)
Mo W assay
Torbernite vein Here
Exposed Mo vein in quartz Chem. Assay is 1.42% is 2' wide
Contact-metamorphic
E
1280'
(600')
Claim 1
Claim 2
Claim 3
Creek Road
65cm'
Elev
JAI
JAI
JAI
Vein with Mn
Mo, W, by assay
W
S
N
E
1550'
E
JAI
Contact-metamorph
Mo by assay + U_3O_8
8X background count
-Not To Scale-
Epidote-Garnet Tactite Vein with W and Mo by assay-500' Long
Scheelite in Quartz
MN vein - 250' Long
JAI - Jurassic acid intrusive Granite
€ - Cambrian Meta-Sediments Marine


Claim 9
U.S. Bureau of Mines estimated this vein sample to be commercial value. See their letter
1200'
Contact zone
Road
Shaft should be dug here
Probable Truo-vein Mo
Mo vein (offset?)
Chem Assay
600'
Claim 3
Claim 2
Claim 3
Creek
Small shaft to dig here on vein
Shaft should be dug here
1500'
Contact-metamorphic
Shaft showing Tungsten here for 4.30 as radioactivity is 7 times background
Tactite vein assaying moly, selenium and tungsten. 500' long.
Quartz veins containing tungsten
Project site assaying uranium and molybdenum.
Manganese vein
NOT-TO-SCALE

IN REPLY

400

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

September 19, 1956

Re: DMEA 4468
Lloyd E. Barber and A. W. Schmitt
White Phantom Group
Nome County, California
$8,450.00 - Tungsten

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

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

Subject: Review of application.

The applicants request assistance in exploring by shaft and/or pit a tactite zone from which scheelite-bearing samples have been taken. Molybdenum also is present.

A rough sketch map indicates the places where, in the opinion of the applicants, 5 proposed shafts of unstated depths would be sunk and outlines, crudely, the tactite zone, a zone containing manganese and the location of molybdenite and uranium veins.

The information is not well presented, but an examination appears warranted.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-9/19/56
cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
R. Holliday, 3517

DOCKET
SURNAME
Chapman
Martin
Kilogaard
Lamb
Selfridge

400

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

DEC 27 1956

Mr. Lloyd E. Barber
Barber and Schmitt, Partnership
189 Arroyo Drive
Danville, California

Re: Docket No. DMEA 4468 - Tungsten
White Phantom Claims
Mono County, California

Dear Mr. Barber:

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

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

Careful study of all our information, although noting the occurrence of tungsten and molybdenum mineralization on this property, indicates to us that the probability of disclosing minable ore reserves is not sufficiently promising to justify Government participation. Under these circumstances we regret to advise you that your application is denied.

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

Sincerely yours,

C. O. Mittendorf

Administrator

TLChapman:foc
12/21/56
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT. REG. II
Messrs. R. W. Holliday, USBM
T. H. Kiilsgaard, USGS

R.C.S.

DOCKET
SURNAME
Chapman
Martin

400

December 21, 1956

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance
Docket No. DMEA 4468 - Tungsten
Barber and Schmitt, Partnership
White Phantom claims
Mono County, California

Denial of the subject application is recommended by this Division on the basis of the following information:

Lloyd E. Barber, 189 Arroyo Drive, Danville, California, and A. W. Schmitt, 255 East 2nd Street, Livermore, California, partners, made an application for exploration assistance on August 30, 1956. The property was examined on November 7, 1956, by Henry W. Jones, Bureau of Mines, and Robert C. Reeves, Geological Survey, and their report recommends denial of the application.

Property: The property owned by the applicants consists of 8 unpatented lode mining claims recorded as follows:

Claim Name	Book No.	Page No.
White Phantom #1	14	40
White Phantom #2	14	41
White Phantom #3	14	41
White Phantom #4	14	42
White Phantom #5	14	43
White Phantom #6	14	43
White Phantom #8	14	278
White Phantom #9	14	149

Located in section 16 (projected) T. 4 S., R. 35 E., M.D.B.& M. an unsurveyed township, Mono County, California.

Geology: The property is in an area of highly contorted and altered Precambrian sedimentary rocks intruded by granitic rocks. Tactites formed along the contact shows scattered specks of scheelite by lamping, but no samples indicated any material near

ore grade. Only manganese stain was found along joints in the contact metamorphic rocks. Geiger counter tests showed only a slight rise over background count.

Workings: No exploration or development work has been done on the property.

Past Production: No ore has been mined or produced from the property.

Comments and Conclusions: The Field Team believes there is little possibility of developing any quantity of ore of a minable grade and recommends denial of the application. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in the conclusions and recommendations of the Field Team.

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

TLChapman:foc
12/21/56
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.

Docket

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

Date December 12, 1956

DMEA Docket No. 4468 WSM
DMEA Contract No.
Commodity Tungsten
Name of applicant Lloyd E. Barber & A. W. Schmitt
Name of property White Phantom Claims
Location of property Mono County, California
Estimated cost of project

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Chief, Branch of Ferrous Metals & Ferroalloy HR

From: R. W. Holliday, Commodity Specialist, Branch of Ferrous Metals & Ferroalloys

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

1. Date of subject document: 11/28/56. 2. Date received by reviewer: 12/10/56.

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

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

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

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

7. Explain items marked yes above:

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

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

10. Remarks: (Use back of page if necessary) The subject report recommends that the application be denied because the small and scattered deposits do not warrant exploration. I concur in the recommendation.

R W Holliday

R. W. Holliday

Docket

IN REPLY REFER TO:

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

RECEIVED DEC 13 1956 D.M.E.A.

December 10, 1956

Re: DMEA 4468
Lloyd E. Barber and
A. W. Schmitt
White Phantom Claims
Mono County, Calif.
$8,450.00 - Tungsten

Memorandum

WSM

To: W. S. Martin, Defense Minerals Exploration Administration

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

Subject: Review of Field Team Report.

The applicants requested assistance in exploring tactite zones said to contain tungsten, molybdenum, manganese and uranium, by shallow shafts, pits and adits.

The examiners found several exposures of tactite but the mineralization by scheelite is weak and the other minerals almost non-existant. Little or no work had been done by the applicants and no centers of mineralization indicated by prospecting.

The examiners and the Field Team recommend that the application be denied.

I concur with the recommendation

N. E. Nelson

Copy retained 400

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

RECEIVED DEC 3 1956 D.M.E.A.

1605 Evans Avenue
Reno, Nevada

November 29, 1956

Memorandum

To: Operating Committee, DMEA, Interior Building
Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: DMEA Docket No. -4468 (Tungsten)
Lloyd E. Barber and A. W. Schmitt
White Phantom Claims
Mono County, California

Enclosed are four copies of our Application Report on subject property by H. W. Jones, Bureau of Mines, and R. G. Reeves, Geological Survey.

Roscoe Smith and I concur in the recommended denial of DMEA exploration aid.

S. Ricker

Encls.

Reviewed by
DMEA OPERATING COMMITTEE
12-7-56
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

RECEIVED
DEC 3 1956
DMEA

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

APPLICATION REPORT

DMEA-4468 (Tungsten)
Lloyd E. Barber and A. W. Schmitt
White Phantom claims
Mono County, California

by

H. W. Jones
U. S. Bureau of Mines

R. G. Reeves
U. S. Geological Survey

November 28, 1956

Reviewed by
DMEA OPERATING COMMITTEE
12-7-56
(date)

RECEIVED
DEC 3 1956
D.M.E.A.

INTRODUCTION

Mr. Lloyd E. Barber, 189 Arroyo Drive, Danville, California, and Mr. A. W. Schmitt, 255 East 2nd Street, Livermore, California, partners, applied for Government assistance in an $8,450 program under the Defense Minerals Exploration Administration, docket DMEA-4468, to explore for tungsten, molybdenum, manganese, and uranium at the White Phantom claims, Mono County, California. The application was changed by the DMEA Operating Committee to confine the exploration to tungsten. The applicant believes large deposits of scheelite and molybdenum lie just below the surface exposures and could be easily exposed by several shallow shafts and adits.

A field examination was requested by the Operating Committee, and was made November 7, 1956 by Henry W. Jones, U. S. Bureau of Mines, and Robert G. Reeves, U. S. Geological Survey, accompanied by Mr. Barber.

The property is in the White Mountains, Mono County, California, on the ridge overlooking the south side of Toler Creek canyon at about 6,500 feet altitude. It is in sec. 16 (projected),

T. 4 S., R. 35 E., M.D.B.&M., an unsurveyed township. The claims are reached by traveling 2 miles north on State Highway 3-A from the Dyer post office, thence west along a fence for 0.5 mile. Bear left and follow the road an additional 2.6 miles up Toler Creek.

CONCLUSIONS AND RECOMMENDATIONS

The White Phantom claims are in an area of highly contorted and altered Precambrian sedimentary rocks intruded by granitic rocks. Tactite outcrops that contain a few scattered specks of scheelite were seen by lamping, but samples indicated none was near ore grade. No exploration or development work has been done in the area mapped. Additional tests were made by Geiger counter of the assumed radioactive areas, but readings indicated only a very slight rise above background count. The molybdenite pointed out by the applicant occurs as scattered crystals in a quartz vein one foot wide, and is too scattered to warrant sampling. The manganese vein referred to in the application proved to be manganese stain along joints in the contact-metamorphic rocks.

Deposits of economic minerals are too small and scattered to justify exploration.

It is recommended that the application be denied.

GEOLOGY AND ORE DEPOSITS

The White Phantom claims are on both sides of Toler canyon, a broad, steep-sided canyon extending eastward from the crest of the White Mountains. The general geology of the area was mapped by Anderson[1/], who paid particular attention

---

1/ Anderson, G. H., 1937, Granitization, albitization, and related phenomena in the northern Inyo Range of California-Nevada: Geol. Soc. America Bull. V. 48, No. 1, pp. 1-74.

---

to the petrology of the igneous rocks and the contact metamorphism of the sedimentary rocks. Two granitic rocks occur in the area: the Pellisier granite believed to have resulted from the "granitization" of pre-existing rocks, and the Boundary Peak granite, believed to be "true igneous" rock. The Boundary Peak granite varies from granite to granodiorite and quartz diorite.

The metamorphism of the limestone to tactite and marble by the Boundary Peak granite, and the occurrence of scheelite with the tactite were described.

In the vicinity of Toler canyon the eastern flank of the range is composed of sedimentary rocks generally thought to be Precambrian or lower Cambrian that have been intruded and metamorphosed by Boundary Peak granitic rocks of Late Mesozoic age.

The sedimentary rocks limestone, shale, and sandsone have been metamorphosed to marble, phyllite and schist, and quartzite. The marble strikes northwest to west, and dips about 50° N. It is cut by an inferred northeast-trending, northwest-dipping fault. The marble is silicified and in part silicated along the fault, and interbedded shaly material has been converted to a calc-silicate hornfels (fig. 2).

The tungsten deposits on the White Phantom No. 3 claim are small pods of tactite along the contact between marble and a poorly exposed cupola of granite. Three tactite pods are exposed along the northern contact. The easternmost is about 40 feet long and a maximum of 25 feet wide; the center one is 10 feet long and 5 feet wide, and the westernmost is 50 feet long and 20 feet wide. Lamping and chemical analyses disclosed only a trace of tungsten.

Elsewhere on the White Phantom claims, narrow quartz veins that contain a little molybdenite and some torbenite are widely scattered. None of the occurrences are large enough or contain sufficient molybdenum, tungsten, or uranium to be ore.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA-4468
(Tungsten)

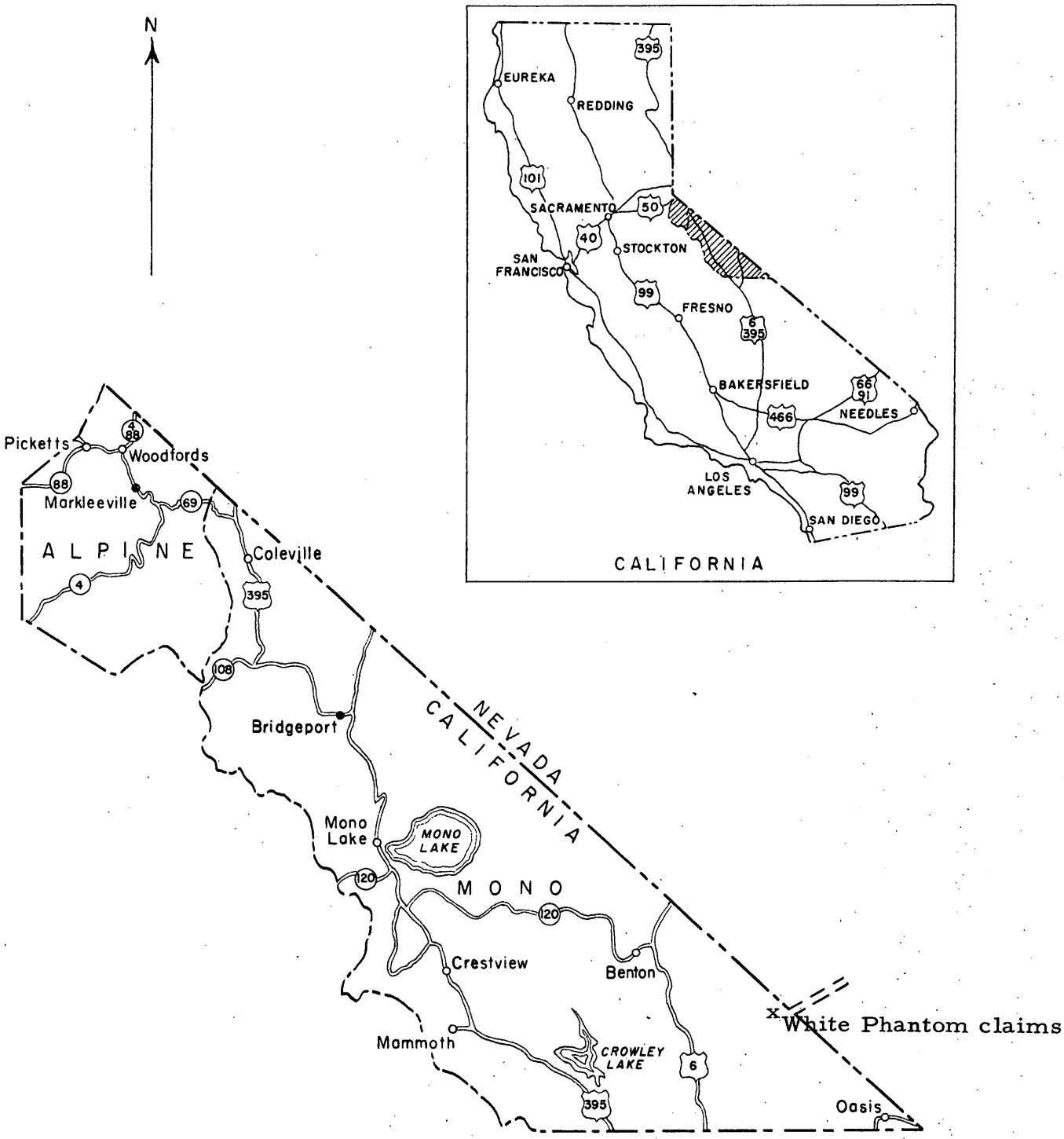


Figure 1. INDEX MAP OF ALPINE AND MONO COUNTIES, CALIFORNIA

0 20 40 80 Miles

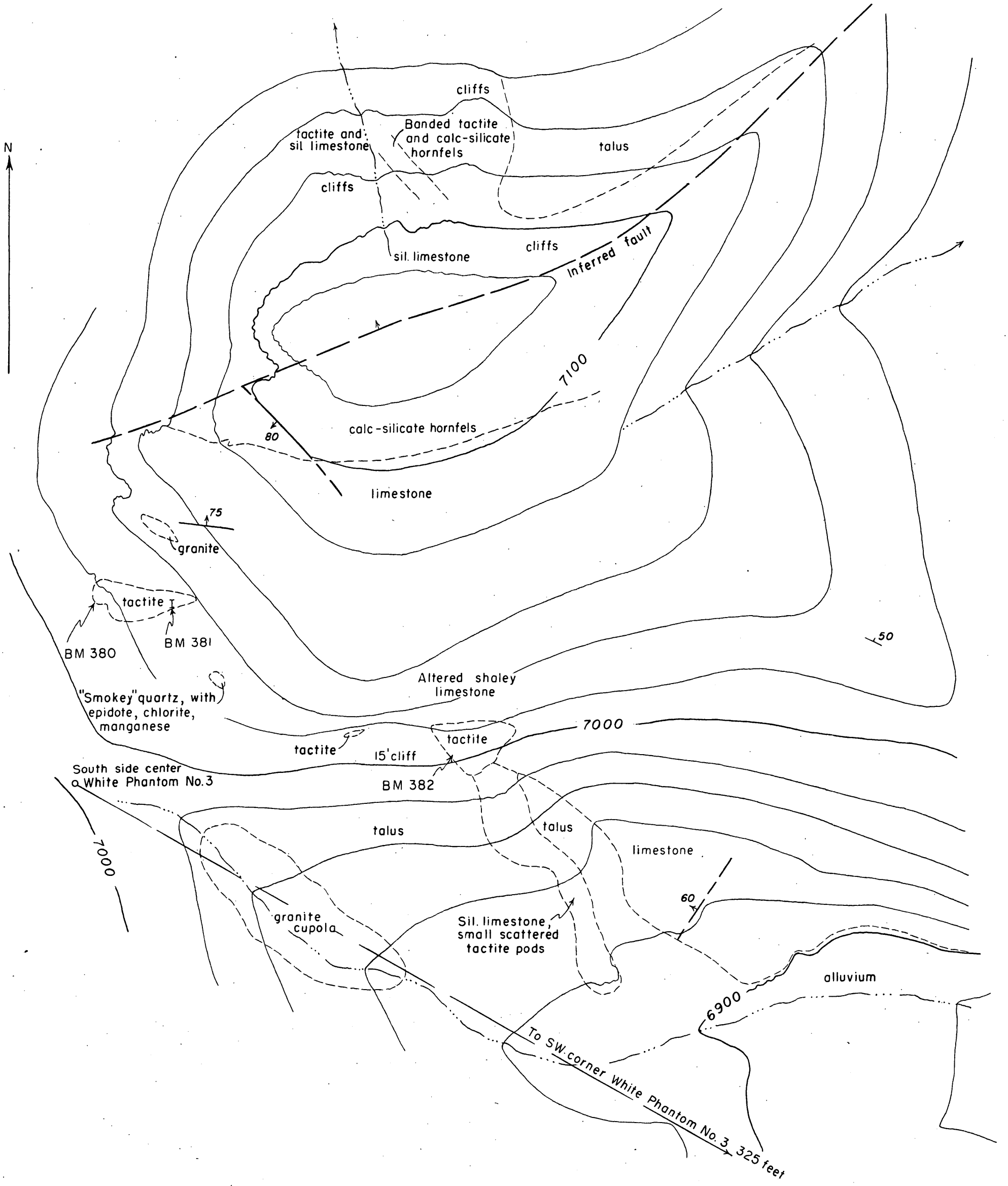


Figure 2. GEOLOGIC SKETCH MAP, WHITE PHANTOM CLAIMS, MONO COUNTY, CALIFORNIA

0 50 100 150 Feet

400

DOCKET
SURNAME
Chapman
Martin
Kiilsgaard
Lapp
Selfridge

OCT 1 0 1956

Mr. Lloyd E. Barber
189 Arroyo Drive
Danville, California

Re: Docket No. DMEA-4468, Tungsten
White Phantom Claims
Mono County, California

Dear Mr. Barber:

The above docketed application for exploration assistance for tungsten ores has been reviewed by the Washington office of the Defense Minerals Exploration Administration and referred to Mr. Spangler Richer, Executive Officer, DMEA Field Team, Region II, 1605 Evans Avenue, Reno, Nevada, for a field examination of the property.

Any assistance you may give the examining engineers will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

TLChapman/esf - 10/10/56
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
RWHolliday, USBM
THKiilsgaard, USGS
FT, REG. II

P.C.K.

DOCKET
SURNAME
Chapman
Martin
Selfridge

400

OCT 10 1956

Mr. Spangler Richer
Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA-4468, Tungsten
Lloyd E. Barber and A. W. Schmitt
White Phantom Claims
Mono County, California

Dear Mr. Richer:

The above docketed application for exploration assistance is being referred to your office for a field examination of the property.

Copies of memoranda dated September 19 and 26, 1956, by N. E. Nelson, Geological Survey, and R. W. Holliday, Bureau of Mines, respectively, relating to the project are enclosed.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Enclosures

APPROVED:

Frank D. Lamb
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

TLChapman/esf - 10/10/56
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
RWHolliday, USBM
THKiilsgaard, USGS

R.C.S.

Docket

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

RECEIVED
SEP 27 1956

Date September 26, 1956

DMEA Docket No. 4468 WSM
DMEA Contract No.
Commodity Tungsten
Name of applicant Lloyd E. Barber
Name of property
Location of property White Phantom 1,2,3,4,5,6,8,& 9.
Estimated cost of project $8,450.-

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Chief, Branch of Ferrous Metals & Ferroalloys

From: R. W. Holliday, Commodity Specialist, Branch of Ferrous Metals & Ferroalloys

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

1. Date of subject document: 9/17/56. 2. Date received by reviewer: 9/21/56.

3. Prior reports on this property known to reviewer: Yes [ ], No [x].

4. Prior reports on nearby properties known to reviewer: Yes [ ], No [x].

5. Information available on past production: Yes [ ], No [x].

6. Other pertinent factors known to reviewer: Yes [ ], No [x].

7. Explain items marked yes above:

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

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

10. Remarks: (Use back of page if necessary) A Bureau of Mines letter is cited in one of the sketch maps accompanying the application, but I have no copy of the letter. The sketch indicates several places where shafts should be dug but there is no definite proposal. Additional information either from the applicant or the Field Team is needed in order to appraise this application.

R. W. Holliday
R. W. Holliday

Copy retained 400

IN REPLY REFER TO:

Docket

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

September 19, 1956

Re: DMEA 4468
Lloyd E. Barber and A. W. Schmitt
White Phantom Group
Mono County, California
$8,450.00 - Tungsten

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

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

Subject: Review of application.

The applicants request assistance in exploring by shaft and/or pit a tactite zone from which scheelite-bearing samples have been taken. Molybdenum also is present.

A rough sketch map indicates the places where, in the opinion of the applicants, 5 proposed shafts of unstated depths would be sunk and outlines, crudely, the tactite zone, a zone containing manganese and the location of molybdenite and uranium veins.

The information is not well presented, but an examination appears warranted.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

Copy retained 400

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

September 18, 1956

Mr. Lloyd E. Barber
189 Arroyo Drive
Danville, California

Subject: DMEA-4468
Re: Exploration Assistance

Gentlemen

Your application for exploration assistance, dated August 30, 1956 submitted to our office at Reno, has been assigned Docket Number DMEA-4468 and referred to the Iron and Ferro-Alloys Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Chief
Operations Control and
Statistics Division

Copy to:

Region II. Reno, Nevada
Code 400

3571

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

RECEIVED
SEP 17 1956

1605 Evans Avenue
Reno, Nevada

September 14, 1956

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Loan Application (Tungsten-Molybdenum)
Lloyd E. Barber & A. W. Schmitt,
a partnership
White Phantom claims
Mono County, California

Enclosed are three sets of MF-103, Application for Aid forms relative to above subject. The fourth set has been retained in our files.

S. Ricker

Encl.

BUREAU OF MINES
WASHINGTON, D. C.

SEP 17 9 03 AM '56

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SRicker:gh
cc: R. M. Smith
File

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 40-R1035.2.

RECEIVED
SEP 17 1956

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. 4468
Metal or Mineral Tungsten
Date Received 9/17/56
Estimated Cost $ 8,450.00
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: Lloyd E. Barber - Partnership - 189 A rroyo Drive, Danville, California
A.W. Schmitt - Other Partner - 255 East 2nd St. Livermore, Calif

(*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 White Phantom #1, #2, #3, #4, #5, #6, #8, #9, Mining Claims situated in Tober Toler Creek Canyon, as mapped on accompanying diagram, Mono County, Calif., and near Dyer, Nev. Recorded at Bridgeport, Mono County.

(*b*) State any mine name by which the property is known. None.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner of eight unpatented claims, in Inyo National Forest

(*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. #1-Vol.14,p.40; #2-Vol.14,p.41; #3-Vol.14,p.41; #4-Vol.14,p.42; #5-Vol.14,p.43; #6-Vol.14,p.43; #8-Vol.14,p.278; #9-Vol.14,p.149

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. Prospect holes; Good road to claims.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you. See attachment 4-C

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. Good tar access roads, 49 miles to railhead, 60 miles to supply, 35 mi. to residence.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power. Manpower, materials, supplies, equipment available 60 to 70 miles, Tonopah, Nev. and Bishop, Calif. Water by drilling on claims. Power tie in 10 miles away.

16—66551-1

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

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. See attachment 5-B

(*c*) The work will start within 60 days and be completed within 8 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations. See 5-d attachment.

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.). None.

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants. See attachment 6-b

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel. See attachment 6-c

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be. See attachment 6-d

(*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. Not applicable.

(*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. see 6-f

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes. See attachment 6-g

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above. See 6-h

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

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

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

☐ Money ☒ Use of equipment owned by you ☒ Other

Explain in detail on acompanying paper.
See attachment 7-b

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 30, 1956

Lloyd E. Barber
(Applicant)

By Albert M. Dehmeit

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

L.E.Barber
189 Arroyo Drive
Danville,Calif

(Assay Originals furnished on request)

4.(c) Chemical Assay Report of Molybdenum vein on Claim #9
Done by Pittsburgh Testing Labs.

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MoO_3 - 1.42%

Surface samples only:

Assay Report of ore from west end of tactite vein Claim #3
Done by Abbot A. Hanks,Inc.

Molybdenum	-	.07%
Tungsten	-	.38%

Assay Report on sample from prospect hole on east end of tactite vein Claim #3

Molybdenum	-	to .3%
Titanium	-	.3%
U_3O_8	-	.015%

Assay Report on sample from Claim #8
Done by Abbot A. Hanks, Inc.

Molybdenum	-	.03% to .30%

On this interesting prospect located on the east side of the White Mountains of California, Jurassic Acid intrusive granite (porphyry) has intruded Cambrian marine meta sediments and formed a contact-metamorphic zone in which tungsten as scheelite and molybdenum has been discovered - and proven by assay - for a distance of about 2,500 feet. Additionally, an ore-shoot of manganese lies above the tactite vein on Claim #3. This was pointed out by a mining engineer from the Molybdenum Corp. of America who are very much interested in the prospect. The tactite vein, composed of epidote-garnet-hornfels, contains tungsten, molybdenum, and uranium assayed from surface samples. (See enclosed sketch of assay locations). Molybdenum and tungsten (scheelite) are present in the tactite vein of 400 to 500 feet in length, and in quartz veins on two claims. Powellite is found over a distance of 1/2 mile and in proximity to the claims. It is believed a large commercial deposit of both molybdenum and tungsten lie below the surface of the tactite vein and an opened exposed vein some two feet wide on Claim #9. This is believed to be a stringer from a large deposit west of it and in a big quartz hill, which appears to be high-temperature vein gangue material. About five tunnels dug on the existing veins should reveal richer, commercial-grade ore.

L.E.Barber
189 Arroyo Drive
Danville,Calif.

5. (d) Applicant worked about three years for the U.S.Geological Survey in the Engineering Geology Division under the Chief of the Denver Branch. Applicant has extensive knowledge of geological maps and general formations. He has had intimate contact with field notebooks and maps of great geologists from Hayden on. Applicant and his partner have prospected for more than a year in the region of this property. Partner has share in another mine which has been shafted and explored in various places. His knowledge of dynamiting and drilling are sufficient to supervise workmen involved in actual exploratory shaft operations.

The applicant will consult an impartial geologist for the scientific assistance required for actual location of preliminary exploratory work.

6. See separate attachment.

7.(b) 1. Use of jeep and various tools and miscellaneous equipment owned by partner.

2. Other - Supervision of one partner to see that the work keeps moving and is done properly.

Value - $150 a week for 3 months - $1,950.

L.E.Barber
189 Arroyo Drive
Danville,Calif.

6. (b) Labor, Supervision, Consultants:

1. Supervision @ $150 a week for 3 months.... $1,950
   (Applicant's share of cost)

2. Two laborers @ $2.00 per hour for 3 months $2,100

3. Consulting geologist or engineering geologist - $50 per day for two weeks approx.... $500

6. (c) Materials and Supplies: .... $~~400~~ 800

1. Dynamite and caps.....$200.
2. Drills 100.
3. Forge and anvil 50.
4. 3 Picks 30.
5. 2 Shovels 20.
6. Fuel 400

6. (d) Equipment:

One compressor and drill - rental (est) $800

6. (f) Buildings,etc.:

1. One utility and tool bldg. $500

2. Improve road in several places and, if necessary, build small wooden bridge..... $250

6. (g) Miscellaneous:

Workmen's compensation and employers' liability insurance..... $500

Analytical work 250

6.(h) Allowances for contingencies $800

Total estimated cost $8,450

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION II
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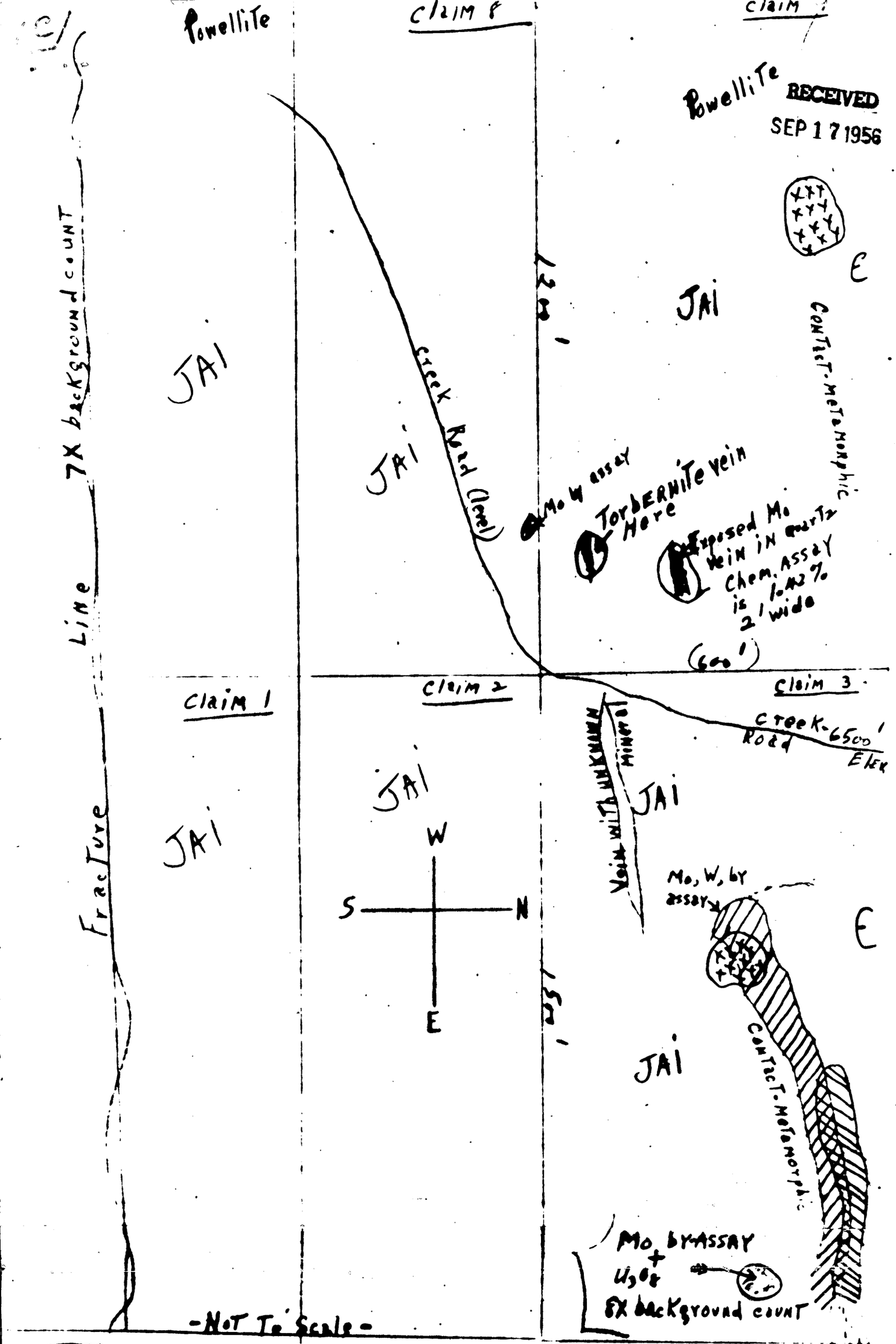
1986 SEP 10 AM 9:00

RENO, NEVADA


Powellite
Claim 8
Claim
Powellite
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SEP 17 1956
7X background count
Line
Fracture
JAI
JAI
JAI
Creek Road (level)
Mo W assay
Torbernite vein Here
Exposed Mo vein in quartz Chem. Assay is 1.42% 2' wide
Contact-metamorphic
Є
JAI
(600')
Claim 1
Claim 2
Claim 3
Creek Road
6500'
Elev
Vein with unknown mineral
JAI
JAI
JAI
W
S
N
E
Mo, W, by assay
Є
Contact-metamorphic
JAI
Mo by assay
+
U_3O_8
8X background count
-Not To Scale-
Epidote-Garnet Tactite Vein with W and Mo by assay-500' Long
Scheelite in Quartz
MN vein - 250' Long
JAI - Jurassic acid intrusive Granite
Є - Cambrian Meta-Sediments Marine

Sketch showing where exploratory shafts should be dug

Claim 1

U.S. Bureau of Mines estimated this vein sample to be of commercial value. See their letter

Contact zone

1200'

Road

Shaft should be dug here

Probable True vein

Mo vein (offset?) Chem Assay - 1.[illegible]%

Mo

600'

Claim 3

Claim 2

Claim 3

Creek

Small shaft [illegible] here on vein

Shaft should be dug here for U_3O_8 as radioactivity is 7 times background

Shaft should be dug here

1500'

Contact-metamorphic zone

Shaft [illegible]

Inactive vein assaying molybdenum and tungsten, 500' long.

Prospect shaft assaying uranium and molybdenum.

Granite [illegible]

Tree [illegible]

Molybdenum

NOT-TO-SCALE

U. S. Government Messenger Envelope

Standard Form No. 65 (Rev. 1/46)

1. Use blocks consecutively, one at
2. Void previous block.
3. Write clearly.

NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM		NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM	
Adam Hoss King	RUN		RUN
Mr. Burns	STOP		STOP
Mr. Ahern Room 3221	RUN		RUN
	STOP		STOP
	RUN		RUN
	STOP		STOP
Asst Sec'y 4459 Mr. R.	RUN		RUN
	STOP		STOP
~~Mrs Roberts~~	RUN		RUN
	STOP		STOP
Mr. Kilmer	RUN		RUN
	STOP		STOP
Mr. Ellis 4443	RUN		RUN
	STOP		STOP
	RUN		RUN
	STOP		STOP
	RUN		RUN
	STOP		STOP
	RUN		RUN
	STOP		STOP

Send surplus envelopes to supply room for reissue.

Use other side

Use RUN and STOP only when messenger service between Government buildings in Washington is required.
Your mail room has RUN and STOP information.