DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3301

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Exploration Assistance

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Cys to USBM, USGS, & Reg.

Routing Slip

To:	400	Date	4/6/54
To:	Oper Comm	Date	4-21-54
To:	400	Date	5-7-54
To:	Oper Comm	Date	7-12-54
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CONTROLLED DOCUMENT

400

400

3301

Mr. Creighton M. Caffee
Box 101
Cartago, California

Re: Docket No. DMEA 3301 - Tungsten
Holiday claims
Inyo County, California

Dear Mr. Caffee:

This will acknowledge your letter of July 16, 1954, requesting information concerning the Domestic Tungsten Program.

The tungsten purchase program is under the General Services Administration. If you desire to participate in this program, you should write to Mr. Robert B. Bradford, Regional Director, General Services Administration, Region 9, 49 Fourth Street, San Francisco 3, California, giving the information requested under Section 3 of the enclosed tungsten regulation. Two later changes in this regulation have been indicated.

You will note that intent to participate in the tungsten purchase program should have been filed not later than June 30, 1954. However, it is possible that this date may be extended. If interested in participating in this program, therefore, you should file as soon as possible.

Sincerely yours,

C. O. Mittenderf

Administrator

Enclosure

Copy to: Mr. Robert B. Bradford, Reg. Dir.
Gen. Services Adm., Reg. 9
San Francisco 3, Calif.

cc: DOCKET
CODE 400
ADM. READING FILE

FARutledge/ls 7/20/54

400

Hon. Clair Engle
House of Representatives
Washington 25, D. C.

My dear Mr. Engle:

Reference is made to our letter of May 7, 1954, with regard to the status of an application from Creighton F. Caffee, Box 101, Cartago, California, for aid in exploring for tungsten on the Holiday claims, Inyo County, California (our Docket No. DMRA 3301).

As the result of a field examination of the same property and consideration of all available data, it has been determined that the probability of disclosing minable ore reserves by the applicant's proposed program is not sufficiently promising to justify Government participation in an exploration project. The referenced application, therefore, has been denied.

For your information, a copy of our letter of denial to Mr. Caffee is enclosed.

Sincerely yours,

C. O. Mittendorf

Administrator

FARUTLEDGE:FOC
7-6-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.

Enclosure

JUL 12 1954

Mr. Creighton W. Caffee
Box 101
Cartago, California

Re: Docket No. DMEA 3301 - Tungsten
Holiday claims
Inyo County, California

Dear Mr. Caffee:

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

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

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

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

Sincerely yours,

C. O. Mittendorf

Administrator

FARutledge:foc
7-6-54
cc to: Docket
Code 400
FT. Reg. 3
Adm. Reading File
Operating Comm.
R. W. Geehan, USBM
T. P. Thayer, USGS
Hon. Clair Engle, House of Representatives

July 6, 1954

MEMORANDUM

To: Administrator, DMEA

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

Subject: Denial of exploration project in the amount of $12,040.25
Docket No. DMEA 3301 - Tungsten
Creighton E. Caffee
Holiday claims
Inyo County, California

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

1. The Applicant proposed to crosscut under a mineralized shear zone to explore its downward continuation 400 feet below the surface exposure. Approximately 472 feet of crosscutting would have been required.

2. The major tungsten occurrence exposed on the Holiday claims is a small, lenticular shear zone cutting roof pendants of diorite and mica schist in quartz monzonite. The weighted average of three samples taken across the shear zone is 0.07 percent WO_3. Total width was 11.3 feet. The shear zone narrows to a tight fracture within a length of 30 feet along the strike, where it contains less than 0.01 percent WO_3.

3. The examining Field Team recommended that the request for exploration assistance be denied.

4. The Field Team concurs with the recommendations of the examining engineer and geologist.

5. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in the denial.

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

FARutledge:foc
7-6-54
cc to: Docket cc: Adm. Reading File
Code 400

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

420 Custom House
555 Battery Street
San Francisco 11, Calif.

June 24, 1954

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3301 - Tungsten
Creighton E. Caffee
Holiday Claims
Inyo County, California

Reference is to your subject letter dated April 21, 1954, requesting a review and field examination of the subject property.

The property was examined on May 18, 1954, and there are attached four copies of a report entitled "DMEA-3301, Holiday Claims, Inyo County, California," by Wayne E. Hall, Geologist, U. S. Geological Survey, and George H. Holmes, Jr., Mining Engineer, U. S. Bureau of Mines, dated June 22, 1954.

The examining engineer and geologist are in agreement that financial assistance by the Government for further exploration on this property is not warranted. Samples across the shear zone prospected by the applicant contained 0.07 per cent WO_3 over a width of 11.3 feet. The shear zone narrows to a tight fracture along the strike where it contains less than 0.01 per cent WO_3.

I concur with the conclusions and recommendations of the engineer and geologist who examined the property.

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

Attachment

Copy to: Roscoe Smith, USGS
A. C. Johnson, Reno

Closed 0.C
7/2
JAR.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

EXAMINATION REPORT

DMEA-3381, Holiday Claims

Inyo County, California

Wayne E. Hall, Geologist
U. S. Geological Survey

George H. Holmes, Jr., Mining Engineer
U. S. Bureau of Mines

June 22, 1954

EXAMINATION REPORT

Docket No.: DMEA-3301 (Tungsten)

Name and address of applicant: Creighton E. Caffee
% Taylor F. Johnson
Cartago, Calif.

Name and location of property: Holiday Claims
Inyo County, California

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

Mr. Creighton E. Caffee, Cartago, Calif., applied on March 19, 1954 to the Defense Minerals Exploration Administration for assistance in a $11,514 program to intersect by drifting the downward extension of a scheelite-bearing mineralized zone on the Holiday No. 4 claim near Cartago, Inyo County, Calif.

A field examination was made on May 18 by G. H. Holmes, Jr., mining engineer of the U.S. Bureau of Mines and Wayne E. Hall, geologist of the U.S. Geological Survey.

The Holiday claims are a tungsten prospect that exposes low-grade scheelite ore in a small, lenticular-shaped shear zone cutting screens or roof pendants of diorite and mica schist in quartz monzonite. Samples taken across the shear zone prospected by the applicant contained 0.07 percent WO_3 over a width of 11.3 feet. The shear zone narrows to a tight fracture within a length of 30 feet along the strike, where it contains less than 0.01 percent WO_3.

The applicant proposes to explore the downward continuation of the

shear zone by means of an adit 472 feet long at an altitude 400 feet below the surface exposure in the open cut. It is recommended that the applicant's request for Government aid in the exploration be denied as the ore is too low grade to be commercial.

TIME SPENT ON PROPERTY

The Holiday tungsten claims were examined on May 18, 1954 by an engineer of the Bureau of Mines and a geologist of the Geological Survey, accompanied by Creighton E. Caffee, applicant and owner of the property and Tayler F. Johnson, consultant to Mr. Caffee.

NAME AND LOCATION OF PROPERTY

The Holiday claims are in sec. 13, T. 18 S., R. 36 E., M.D. B. &M., Inyo County, Calif., about 6 miles by road and trail northwest of Cartage, a town on U.S. Highway 6 and 395 (fig. 1).

ACCESSIBILITY

The route to the property is rather circuitous as it is necessary to travel north on U.S. Highway 6 - 395 from Cartage for 3.4 miles; west on a graded dirt road for 0.3 miles; then south along the graded Los Angeles aqueduct road for 0.9 miles. The aqueduct is crossed at this point and a rough, ungraded road traveled about 0.5 mile westerly. A jeep or power-wagon is necessary for this part of the trip. From the end of this road an obscure trail extends up a steep, rocky canyon for about one mile to the open cut on the Holiday No. 6 claim. The property is accessible during the entire year.

COMPETENCY OF APPLICANT

The applicant's mining experience has consisted mainly of prospecting with but little actual mining work. He is a bulldozer and heavy road machinery operator. Taylor Johnson, the applicant's mining consultant, states that he has had much practical mining experience in Colorado and California.

Financing of any exploration would have to be done with their current earnings. Neither one appears able to finance an exploration project.

The applicant and his consultant were evidently of the opinion that costs of exploration assistance could be repaid from production and could be partially defraged by supervision and consulting salaries.

APPLICANT'S PROPERTY RIGHTS

Twelve unpatented mining claims, designated Holiday No. 1 to 12, incl., comprise the Holiday group. They were located during February 1953 by the applicant and are on record in the Inyo County Mining records, Volume 66, Pages 293 to 331.

DESCRIPTION OF THE PROPERTY

The property is on the east slope of the Sierra Nevada mountains at an elevation of about 4800 feet. The relief of the area is rugged. The climate is semi-arid with hot, dry summers and moderate winters. Vegetation is sparse and comprises the usual desert shrubs and plants. No structures of any type are on the property.

The only mine workings are on the Holiday No. 6 claims and consists of an open cut 11.3 feet wide, excavated southward along the intersection of two narrow shear zones. This open cut was excavated by hand. Current work is being done along this mineralized zone. No work has been done on the other 11 claims.

Equipment comprises an old Dodge power wagon and miscellaneous hand tools. No major mining equipment is owned by the applicant.

Sample locations are shown on the geologic map. Assay data are as follows:

Sample No.	Width, Feet	%, WO_3	Location
257	2.8	*0.01	Face - open cut - west
258	5.7	0.12	" - " " - center
259	2.7	0.05	" - " " - east
260	1.4	*0.01	West split - 30 feet south

*Less than.

GEOLOGY

The Holiday claims are underlain by quartz monzonite of the Sierra Nevada batholith containing abundant screens or roof pendants of mica schist and diorite and cut by many thin aplite dikes. The quartz monzonite is cut by two sets of steep faults and shear zones that trend N. 20° W. and N. 25° E. (fig. 2). The fractures in the sheared zones are coated with limonite, which colors the rock a dark reddish-brown.

The shear zones localize the tungsten minerals. They are lenticular in shape and can be traced for only short distances. They are widest

where they cut the diorite and mica schist seriously and tighten where they cut quartz monzonite. The shear zone exposed in the open cut on the Holiday prospect trends N. 25° E. and dips 80° to 85° to the east. It is 11.3 feet wide in the open cut, but it splits and narrows to a thickness of 1 to 2 feet in less than 30 feet both to the northeast and southwest of the open cut.

ORE DEPOSITS

Scheelite occurs in shear zones in a gangue of limonite, sheared quartz monzonite and diorite, and minor amounts of calcite. The open cut on the Holiday No. 6 claim exposes a shear zone that averages 0.07 percent WO_3 over a width of 11.3 feet. The shear zone strikes N. 25° E. and dips 80° to 85° to the east. Most of the scheelite is in crystals 1/16 inch to 1/4 inch in diameter along fractures, and the rock between fractures is unmineralized. South of the open cut the shear zone splits and can be traced only about 50 feet. The westerly most split 30 feet south of the open cut contains less than 0.01 percent WO_3 over a width of 1.4 feet. The easterly split also showed only minor amounts of scheelite under the ultraviolet light, and was estimated to contain less than 0.1 percent WO_3. North of the open cut the shear zone can be traced for 30 feet where it narrows to a tight fracture. It was not possible to examine the fracture further to the northeast because of steep topography and broken rock from the pit.

A quartz vein 1 to 2 feet thick containing small amounts of scheelite is exposed 120 feet N. 25° W. of the open cut. It strikes N. 45° W.

and dips vertical. The quartz vein can be traced about 50 feet into an unmineralized fracture; it is too small and contains too little scheelite to be commercial.

ORE RESERVES

No ore reserves are present on the Holiday claims in the shear zones examined by the geologist and examining engineer; the scheelite-bearing shear zones have been mineralized too sparsely to be considered ore. Samples cut across the mineralized zone averaged only 0.07 percent WO_3 over a width of 11.3 feet. The tonnage of even this low-grade tungsten ore is not greater than 384 tons in a block 30 feet long having an assumed depth of 20 feet. The rest of the shear zone is tight and contained less than 0.01 percent WO_3 across a width of 1.4 feet.

Other limonite-stained shear zones are present in higher, more inaccessible places on the Holiday claims and also west of the Holiday claims. As these shear zones have not been prospected or even lamped with ultraviolet light by the applicant, they were not examined by the field team.

PAST OPERATION

There has been no production from the property; the open cut excavation is the only work done.

MANPOWER, SUPPLIES, ETC.

Labor, materials, supplies and equipment are available at Lone Pine and Bishop, Calif. No water or transmitted electric power is avail-

able on the property.

The current wage scale for miners is $16.00 per day.

APPLICANT'S PROPOSAL

The applicant proposes to drive an adit 472 feet S. 25° W. to intersect possible ore at a depth of 400 feet below the open cut. The chances of scheelite extending to a depth of 400 feet are small; it is probable that the shear zone in the open cut will narrow to a tight fracture at a depth of less than 25 feet, similar to what it has done along its strike.

No modified proposal of the applicant's program is warranted. The possible tonnage from the lenticular-shaped shear zone is too small and the grade of tungsten ore is too low to warrant further exploratory work.

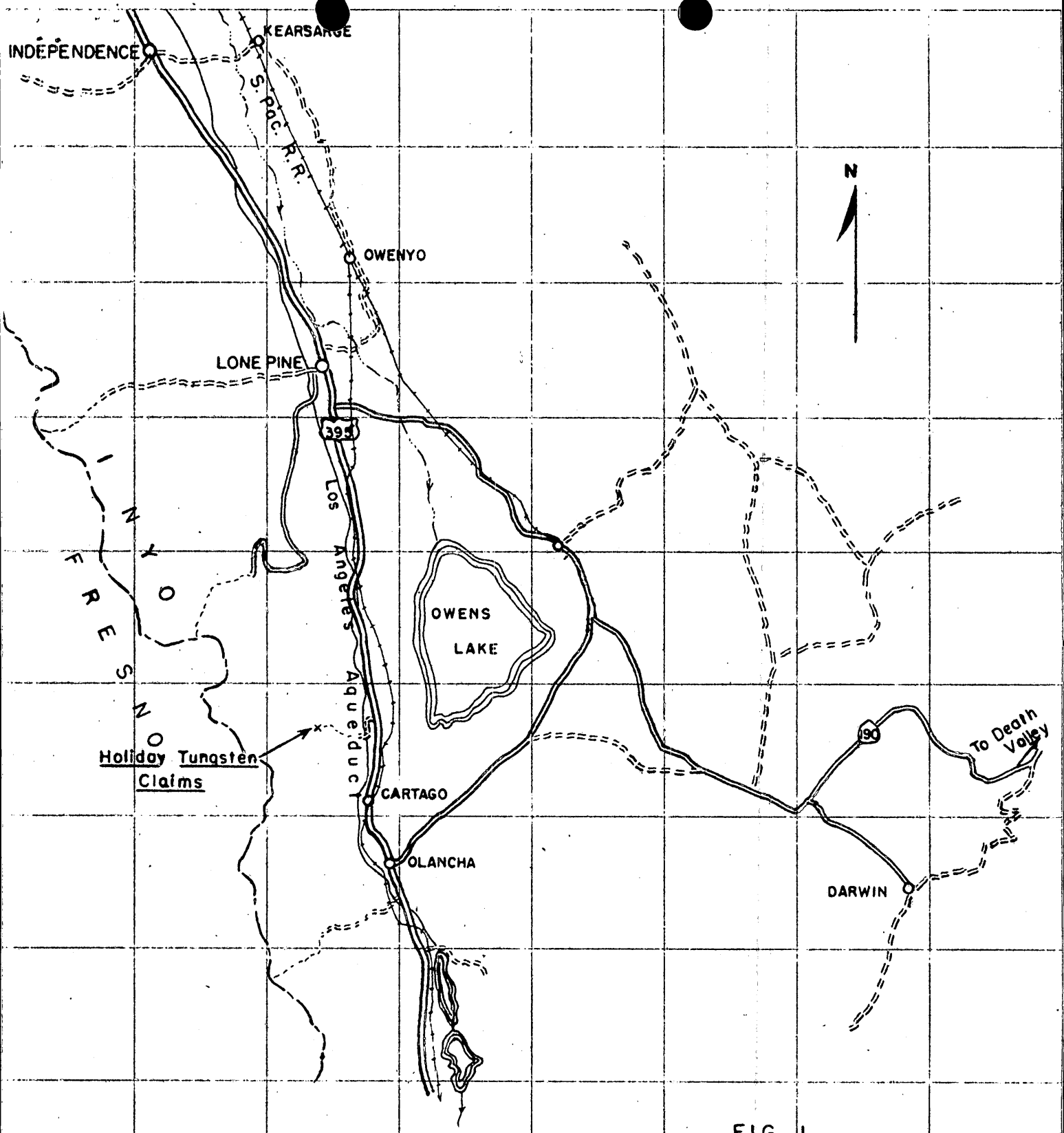
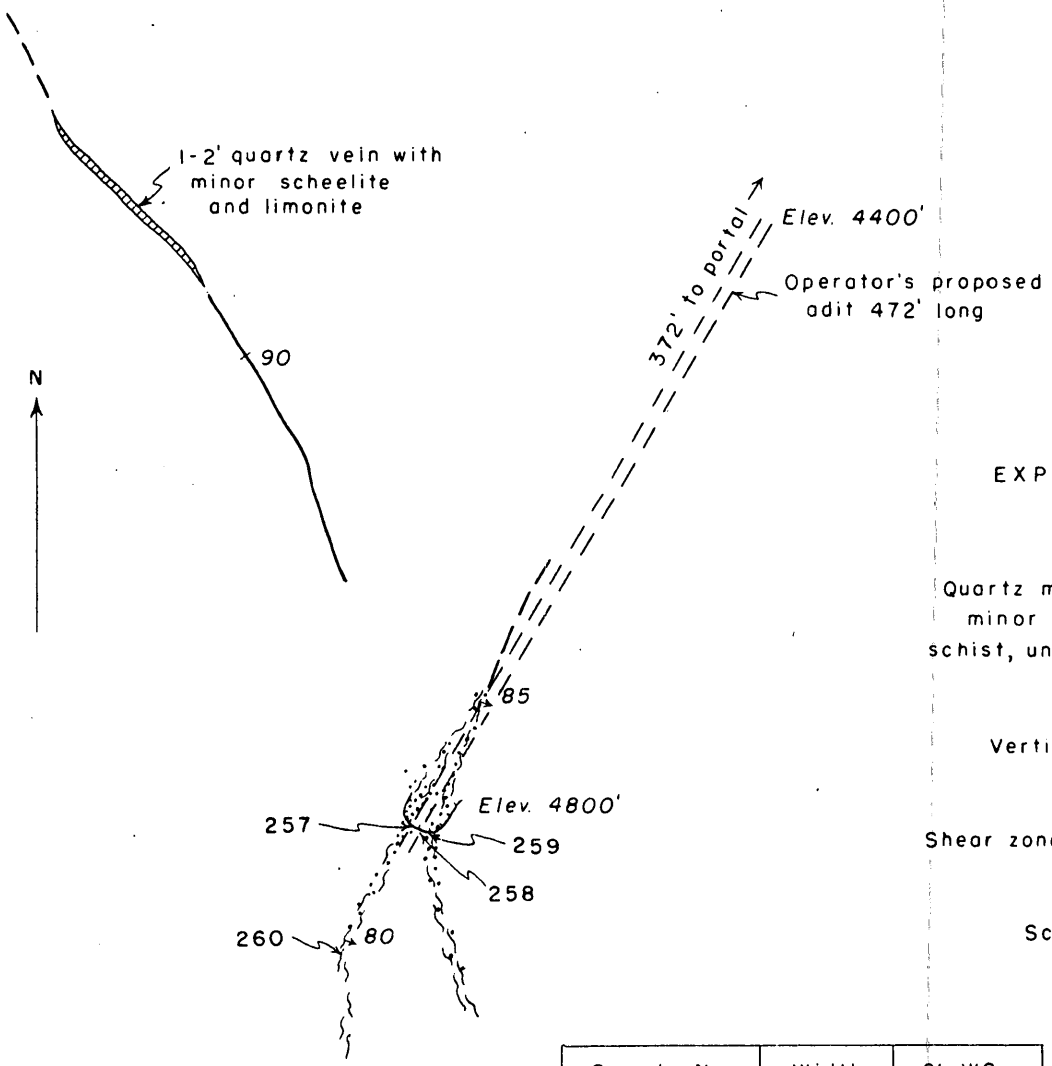


FIG. 1
Location Map
INYO COUNTY, CALIF.
1 inch = 6 miles

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 3301
(TUNGSTEN)



EXPLANATION

Quartz monzonite with minor diorite and schist, undifferentiated

90
Vertical fault

80
Shear zone, showing dip

Scheelite

Sample No.	Width	% WO_3
257	2.8	< 0.01
258	5.7	0.12
259	2.8	0.05
260	1.4	< 0.01

< less than

Mapped by W. E. Hall
May 1954

HOLIDAY PROSPECT, INYO COUNTY, CALIFORNIA

40 0 40 80 Feet

00

MAY 7 - 1954

Hon. Clair Engle
House of Representative
Washington 25, D. C.

My dear Mr. Engle:

This will acknowledge receipt of your letter of May 4, 1954, requesting that you be kept advised of the progress of an application for exploration aid for tungsten made by Mr. Taylor F. Johnston of Cartago, California.

We believe that you have reference to our "Docket No. DMEA 3301-Tungsten, Creighton E. Caffee," containing an application submitted March 19, 1954, by Creighton E. Caffee and Taylor F. Johnston of Cartago, Inyo County, California.

By letter of April 3, 1954, Messrs. Johnson and Caffee sent us three additional copies of the same application and requested that the name of Mr. Taylor F. Johnston be omitted from the section listing "Name of applicant."

On April 21, 1954, the above application was referred to our Field Team for a field examination of the property. You will be advised of whether we find that an exploration contract would be justified.

Sincerely yours,

C. O. Mittendorf

Administrator

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

WSMartin/ls 5/6/54

APR 21 1954

Mr. E. C. Miller, Executive Officer
DMEA Field Team, Region III
Room 1017 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket No. DMEA-3301 - Tungsten
Creighton R. Suffer
Holiday Claims
Inyo County, California

Dear Mr. Miller:

The subject application for exploration assistance is being referred to your office for review and a field examination if warranted.

A memorandum dated April 9, 1954, by Mr. E. L. Newcomb, geologist, Geological Survey, is enclosed for your information.

Should you schedule a field examination, please notify Mr. Taylor F. Johnson, Bishop, California, who will meet the examining engineers and accompany them to the property.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

APPROVED:

J. H. Hedges
Member, Bureau of Mines

D. M. Larrabee
Member, Geological Survey

Enclosure

JKeplin:fcc
4-20-54
cc to: Docket
Code 400
FY, Reg. III
Adm. Pending File
Oper. Comm.
R. W. Gaskin, USBM
T. P. Thayer, USGS

APR 21 1954

Mr. Creighton E. Caffee
Box 101
Cartago, California

Re: Docket No. DMEA 1301 - Tungsten
Holiday Claims
Inyo County, California

Dear Mr. Caffee:

Your application for exploration assistance on your Holiday Claims, Inyo County, California, has been reviewed by the Iron and Ferro-Alloys Division, DMEA, and has been referred to Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region III, 1012 Flood Building, 870 Market Street, San Francisco 2, California, for further consideration and possibly a field examination.

Should a field examination be made of the property any assistance that you can render the examining engineers will be appreciated.

Sincerely yours,

C. O. Mittenderf

Administrator

JHopkins:foc
4-20-54
cc to: Docket
Code 400
Adm. Reading File
Oper. Committee
FT. Reg. III
R. W. Gaskan, USBM
T. P. Thayer, USGS

400

April 9, 1954

Re: [illegible]1-3[illegible]1
Holiday Claims
Inyo County, Calif.
[illegible]11,514
Tungsten

Memorandum

To: [illegible]. [illegible]. Martin, [illegible]A

From: [illegible]. L. Newcomb, [illegible]

Subject: Revi[illegible] of application

The applicant proposes to drive a 400-foot adit to intersect a steeply [illegible]-dipping vein structure which has been exposed by surface trenching.

We do not have any available geological information on this property.

The application does not contain sufficient information to evaluate the feasibility of the proposed work. The assays of selected material are interesting, but can not be considered typical of the overall vein structure.

Rather than request more geological information from the applicant, it would be more economical to refer the application to the field team for their consideration.

I recommend a field team examination be made, unless the field team has information which indicates that Government assistance is unwarranted.

[illegible]. L. Newcomb
Geologist

HLNewcomb:emp
Copies to: Geol. Div. files
Branch files
Directors r. files
Branch r. files

APR 2 1954

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

Re: Docket No. (Unassigned)
Creighton E. Caffee and
Taylor F. Johnson
Holiday Claims Nos. 1 through 12
Inyo County, California

Dear Mr. Miller:

The subject application, dated March 19, 1954, was received here on March 25 and acknowledged on the same date as follows:

"Mr. C. E. Caffee
Cartago, California

"Dear Mr. Caffee:

"This will acknowledge your letter dated March 19, 1954, enclosing one copy of form MF-103, an application for an exploration project on tungsten.

"Please be advised that four copies of the application are required for processing, and it is requested that you forward as soon as possible three additional copies thereof.

"The processing of this application will be held in abeyance pending the receipt of the additional copies.

"Sincerely yours,

Signed: Robert E. Adams

"Robert E. Adams
Chief, Operations Control
and Statistics Division"

On March 31, 1954, Mr. R. S. Butler, of the House Interior and Insular Affairs Committee, telephoned to ask our Iron and Ferro-Alloys Division about the status of the above application. The inquiry was made because the applicant wrote to his Congressman on the same date that he mailed his one copy

of form MF-103 to us. Mr. Butler was informed about the foregoing, and he expressed the intention of explaining the matter by letter to the constituent.

Unless we receive the requested copies within a week or two, we will write to the applicant again, sending you a copy of our letter. In the meantime, on the basis of the information contained herein, you will be familiar enough with the case to answer any inquiry that might come to you.

Sincerely yours,

C. O. Mittendorf

Administrator

cc: DOCKET
FT. REG. III
CODE 400
ADM. READ. FILE
R. W. GREHAN, USBM
P. W. GUILD, USGS

WSMartin/ls 4/2/54

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

U.S. Department of the Interior
Defense Minerals Administration
RECEIVED
APR - 6 1954

Not to be filled in by applicant

Docket No. 3301
Metal or Mineral Tungsten
Date Received
Estimated Cost $11,514
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: CREIGHTON E. CAFFEE.

Box 22, Coso Junction Calif.

PLEASE ADDRESS ALL MAIL TO BOX 101 CARTAGO, 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 12 Mining Claims held under location Situated 20 miles south of the town of Lone Pine, In the Sierra Nevada Mountains three miles west of the Highways 395 and 6. Claims Holiday no 1 to no 12 Inclusive Recorded.

(*b*) State any mine name by which the property is known. NEW PROSPECT

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

(*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 THERE IS NOTHING AGAINST THE PROPERTY IN ANY WAY

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

VOLUME 66 PAGES 293 to 331 MINING RECORDS INYO 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 will explore TUNGSTEN.

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

(*c*) The work will start within TEN days and be completed within THREE 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.). 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.

(*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)?

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

☐ Money ☒ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated March 19th, 1954

Creighton E. Caffee
(Applicant)

By Taylor J. Johnston

Cartago Calif

Inyo County

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

Cartago, Calif.
March 19th 1954.

PROPERTY OF THE PRESS.
Defense Minerals Administration
RECEIVED
APR 6 1954

United States Department of the Interior,
Defense Materials Exploration Administration,
Washington, D.C.

Gentlemen;

We are enclosing an application for a loan to develop what we believe a valuable mining location for tungsten ores. We have to the best of our ability formulated a plan of operation with an estimate of the cost of this plan, based on our experience and mining in this vicinity for some fifteen years past. This is a new discovery, with every indication of a well embedded tungsten deposit of commercial value. We believe the most satisfactory and fair manner to obtain the necessary funds for the work we have in mind is a Government loan which we feel assured we can repay in due time from the sale of ore mined. As you will note the actual funds requested are to be used exclusively for this project. Your Engineer can visit the property any time for examination. Mr. Johnston making this report is available any time at the Post Office at Cartago where he can be reached and will take the Engineer to the Property. Mr. Coffee lives at Coso Junction twenty five Miles from the property. We would appreciate advising us when an Engineer will visit the property that Mr. Coffee can also be here at Cartago.

Thanking you for your consideration of this request.

Very Truly Yours,

Payton Johnston

TJ/l
C. Mr. Coffee.

Enclosure, Application, and reports, estimates etc Assay sheet.

SUPLIMENT.
ARTICEE 4
a A few cuts and trenches have been opened up for exploration purposes in prospecting for Gold some years back. The prospecting for Tungsten was not considered at that time. For several years an old man held these claims, and from time to time brought in samples of high grade tungsten ore. He passed on and Mr. Caffees as well as myself have been trying to locate this source for two years. Mr. Caffee discovered rich float in a canyon north of the location the old man had. Tracing this float led to a stringer which lamped Tungsten. Following this stringer led to a junction of another vein running north and south. Here location work was done and opened up a large v in of good commercial Tungsten Ore. This cut isabout five feet in width and shows ore the entire width. After the merger of the two veins at the cut the vein continues on up over the mountain. The location of this cut is not feasable for good mining operations as it is difficult to get supplies and equipment up there for operation. The location work was done by Mr. Caffee, the examination for future development and financing recommended by Mr. Taylor F. Johnston who has been associated with Mr Caffee for several years.
b No production.

d The property is accessible 12 Months of the year, workable for this time. No. Geological Report has ever been made, but from years of experience this property has the ear marks of a mine, and the vein great depth, tracable for several hundred feet after the two veins merge, on up the mountain. This vein has impregnated the overburden with small particles of tungsten for a large area. This conditions shows up at night with a lamp.

d. At present a car can be driven within a mile of the cut, a short walk will take you up the hill to the location work as described above. Examination can be made here and samples taken. An easy all year road can be constructed connecting highways 6 and 395. The distance approximately three miles. The ore may be processed at the U.S. Vanadium Mill at Bishop Calif a trucking haul of 95 miles until such a time as the mine will warrent a Mill. The Southern Pacific R.R. Line from Mojave to Owenyo runs within four miles, where a ramp could be constructed. Lone Pine 20 miles to the north will furnish supplies needed. Population 1500. Cartago a town site four miles south population 110 has ample facilities for housing, ground and buildings with ample water for millsite.

eLabor has always been available for mining, as several mines work most of the year in close proximinity to this property.

Section 5.b In order to prove up the existing ore bodies as discovered on the surface, it is our desire to drive a cross cut tunnel to intersect the main vein, providing for economical mining of the ore bodies that may be enountered as development work proceeds along the vein. This cross cut will have a beginning at the terminus of the road where easy grading will provide ample ground for buildings etc. Here we plan to erect a compressor house with addition for living quarters for the Supt. Mr Caffees as well as office housing and tool shed. Mr. Caffees will remain on the property at all times during the nonty days working period. The contour of the mountain rises very rapidly from this cut on, so from a point where the intersection will be made, a vertical distance of some 5 to 6 hundred feet will afford a vast block of ground that can be worked through this cross cut. From the intersection to the top of the highest point where the vein was traced would have a vertical elevation of over a thousand feet, so the entire mining operation could be handled through this cross cut tunnel for a long time. The mine should start paying expenses soon after the vein has been cut by this tunnel. Ample dumping ground provided for years of work without conflicting with other private property. The same condition if the mill were located at Cartago Calif. for tailings.

2 Holiday Group Claims.

Suplimont.

Section 5 b NO WATER HAS BEEN DEVELOPED ON THE PROPERTY.

This cross cut tunnel will be approximately 400 feet long. Work can be started on the road within ten days after approval of the loan and thirty days work can be started on the cross cut tunnel. With good fortune this work should be completed within ninty days. This will determine future working on the property.

d. Both Mr. Caffees and Mr. Johnston are well qualified to engineer the driving of this tunnel. Mr. Caffee has been a student of mining for some time and has done actual mining as well as years of prospecting. Mr. Johnston was born in Leadville Colorado, mined in Boulder County and in California. Has been in executative positions as well as fom the bottom up/ He is well Qualified to administor advise and consultant supervision of the work.

Article 6b No contracts will be let for this work. We can do the work more economically ourselves.

The sum for Contingencies we believe ample for the work at hand. We make our conclusions from the fact we have all year mining conditions, no water and good ground to work in. The amount requested will we believe put the mine on a paying basis. Once the vein is reached and the ore bodies still hold up to the values found on the surface, work can proceed drifting and stopeing on ore.

From the many favorable conditions for mining it is difficult to find a more promising mining venture than this looks to be.

So little work has been done a map would be of no value other than identifying the location as to highways, rail roads etc. This location hasbeen well described page 2 on the application. Any other map would not in my opinion benefit the application for this loan. Any Mining Engineer I feel sure will immediately see the potential value of this prospect.

Quite a little high grade float has been found fom time to time up the main canyon running west from the property. Some has been found at the top of the high range at an elevation of 8000 feet. Most of it however has been found in the immediate vicinity of this vein.

These assays were taken shortly after the cut was opened up and the vein exposed. They were taken at random, no effort was made to get a run sample but to ascertain from pieces picked here and there what percentage of WO_3 was to be found. After these samples were run we found ore of extremely high grade as shon by lamping it.

This property has every indication of developing into a profitable mine.

Estimates Holliday Gro[illegible] of Claims.
Section 6.
It is proposed to employ a Superintendent, Machine man, mucker, Mr. Johnston as consultant. Wages proposed.

Superintendent Mr. Coffees	$450.00 for ninty days	$1350.00
Machine man working ninty days	$ 16.00 per day	$1440.00
Mucker working ninty days	$ 15.00 per day	$1350.00
Mr. Johnston Consultant see statment we to furnish		
	Total Labor	$4690.00

Road work.	
3 Men working four days $16.00 per day	$ 192.00
Oil gas Catapilliar man	$ 210.00
Grade for buildings at end of road	$ 290.00
Compressor house, living quarters and office for Mr. Coffees who will be on the ground all times during the work	$ 1165.00
Total other than equipment	$6547.00

Equipment.	
One 325 Cubic feet air compressor	$ 1987.00
One drifting machine with bar arm and clamp	$ 595.00
Hose couplings fittings valves etc	$ 127.00
A steel platt	$ 75.00
Rails, spikes ties for track	$ 465.00
Ore car we furnish	
Pipe for air line to mine	$ 255.00
Oil, Gasoline Blacksmith coal for period ninty days	$ 586.00
Insurance, Liability fire and theft two men underground one man on top	$ 531.00
Wedges, Blocks etc timbering	$ 70.00
Freight, transportation	$ 236.00
Total	$ 4927.00

We plan to furnish.	
One Catapilliar	$ 2150.00
Picks, shovels, hammers, tools, drill press, anvil blower Gasoline tanks blacksmith forge, ore car, water tanks, fresh water tank for domestic porposes, miners lamps, carbide drill steel etc.	$ 475.00
Ore car	$ 125.00
Truck	$ 1050.00
Consultant salary	$ 950.00
Total	$ 4750.00
Total estimate on road, buildings equipment supplies insurance labor	$11514.00

This will leave a contingent fund of $3426.00 Which we believe would be ample for further development in case when the vein is reached and further work is done.

Conclusion.

From my experience in Mining I believe this a meritorius application for a mining loan. I also believe the expenditure of this money will open up a fine deposit of Tungsten ore in veins large enough to be of commercial tonnage and tungsten content to be profitable. It is by far the best prospect I have examined in a long time. I have made a very complete estimate of the cost to run this cross cut of some four hundred feet to intersect the vein and provide for an economical outlet for the ore mined.

We trust you will give this application your consideration and thought. Any time your engineer wishes to make an examination we are at your service. We are enclosing an assay taken from this cut, picked at random principally to ascertain what the (WO_3) in comparison to lamping the vein. No other assays have been taken as the tungsten lamp shows up tungsten in most every place work has been done.

Very Truly Yours.

Taylor & Johnston

DOCKET
Surname:
Rutledge

JUL 21 1954

Mr. Creighton B. Caffee
Box 101
Cartago, California

Re: Docket No. LMFA 3301 - Tungsten
Holiday claims
Inyo County, California

Dear Mr. Caffee:

This will acknowledge your letter of July 16, 1954, requesting information concerning the Domestic Tungsten Program.

The tungsten purchase program is under the General Services Administration. If you desire to participate in this program, you should write to Mr. Robert B. Bradford, Regional Director, General Services Administration, Region 9, 49 Fourth Street, San Francisco 3, California, giving the information requested under Section 3 of the enclosed tungsten regulation. Two later changes in this regulation have been indicated.

You will note that intent to participate in the tungsten purchase program should have been filed not later than June 30, 1954. However, it is possible that this date may be extended. If interested in participating in this program, therefore, you should file as soon as possible.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosure

Copy to: Mr. Robert B. Bradford, Reg. Dir.
Gen. Services Adm., Reg. 9
San Francisco 3, Calif.

cc: DOCKET
CODE 400
ADM. READING FILE

FARutledge/ls 7/20/54

Docket

Cat 4-3301

Cartago, Calif.
July 16th 1954.

Mr. C.O. Mittendorf,
Administrat or
Defence Minerals Exploration Administration,
Washington D.C.

Dear Mr Mittendorf:

In reply to your letter under date of July 12th 1954 regarding the denial of the loan on the Holliday Group of mining claims it might be interesting to know as more development work is being done better ore is exposed and we now have private capital interested perhaps on a better deal than a loan from your department. We thabk you just the same.

I have been requested to write you concerning some information we have relative to operation of the property. We have been told we must secure a number from your department before shipments can be made from the mine. I understood there was something to this effect if we had secured a loan but to ship our ore to for instance the Vanadium Mill at Bishop must we have anumber from your office? We would appreciate this information very much.

Thanking you in advance and with our thanks for your interest,

Sincerely Yours,

TFJ/1

Crawfton C Capper
By Taylor J Johnston
Box 101 Cartago Calif

400

DOCKET
SURNAME
Rutledge
Martin
Geehan
Newcomb
Hedges
Guild
Selfridge
Johnson

JUL 12 1954

Mr. Creighton E. Caffee
Box 101
Cartago, California

Re: Docket No. DMEA 3301 - Tungsten
Holiday claims
Inyo County, California

Dear Mr. Caffee:

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

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

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

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

Sincerely yours,

C. O. Mittendorf

Administrator

FARutledge:foc
7-6-54
cc to: Docket
Code 400
FT. Reg. 3
Adm. Reading File
Operating Comm.
R. W. Geehan, USBM
T. P. Thayer, USGS
Hon. Clair Engle, House of Representatives

R.C.G.

400

Docket
Surname
Rutledge
Martin
Leeson
Newcomb
Hedges
Guild
Selfridge
Johnson

JUL 12 1954

Hon. Clair Engle
House of Representatives
Washington 25, D. C.

My dear Mr. Engle:

Reference is made to our letter of May 7, 1954, with regard to the status of an application from Creighton E. Caffee, Box 101, Cartago, California, for aid in exploring for tungsten on the Holiday claims, Inyo County, California (our Docket No. DMEA 3301).

As the result of a field examination of the same property and consideration of all available data, it has been determined that the probability of disclosing minable ore reserves by the applicant's proposed program is not sufficiently promising to justify Government participation in an exploration project. The referenced application, therefore, has been denied.

For your information, a copy of our letter of denial to Mr. Caffee is enclosed.

Sincerely yours,

C. O. Mittendorf

Administrator

FARUTLEDGE:FOC
7-6-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.

Enclosure

R.C.G.

400

Docket
Surname

Rutledge
Martin
Gechan
Newcomb

July 6, 1954

MEMORANDUM

To: Administrator, DMEA

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

Subject: Denial of exploration project in the amount of $12,040.25
Docket No. DMEA 3301 - Tungsten
Creighton E. Caffee
Holiday claims
Inyo County, California

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

1. The Applicant proposed to crosscut under a mineralized shear zone to explore its downward continuation 400 feet below the surface exposure. Approximately 472 feet of crosscutting would have been required.

2. The major tungsten occurrence exposed on the Holiday claims is a small, lenticular shear zone cutting roof pendants of diorite and mica schist in quartz monzonite. The weighted average of three samples taken across the shear zone is 0.07 percent WO_3. Total width was 11.3 feet. The shear zone narrows to a tight fracture within a length of 30 feet along the strike, where it contains less than 0.01 percent WO_3.

3. The examining Field Team recommended that the request for exploration assistance be denied.

4. The Field Team concurs with the recommendations of the examining engineer and geologist.

5. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in the denial.

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

FARutledge:foc
7-6-54
cc to: Docket cc: Adm. Reading File

R.C.G.

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

July 6, 1954

MEMORANDUM

To: Administrator, DMEA

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

Subject: Denial of exploration project in the amount of $12,040.25
Docket No. DMEA 3301 - Tungsten
Creighton E. Caffee
Holiday claims
Inyo County, California

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4. The Field Team concurs with the recommendations of the examining engineer and geologist.

5. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in the denial.

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

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

420 Custom House
555 Battery Street
San Francisco 11, Calif.

June 24, 1954

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3301 - Tungsten
Creighton E. Caffee
Holiday Claims
Inyo County, California

Reference is to your subject letter dated April 21, 1954, requesting a review and field examination of the subject property.

The property was examined on May 18, 1954, and there are attached four copies of a report entitled "DMEA-3301, Holiday Claims, Inyo County, California," by Wayne E. Hall, Geologist, U. S. Geological Survey, and George H. Holmes, Jr., Mining Engineer, U. S. Bureau of Mines, dated June 22, 1954.

The examining engineer and geologist are in agreement that financial assistance by the Government for further exploration on this property is not warranted. Samples across the shear zone prospected by the applicant contained 0.07 per cent WO_3 over a width of 11.3 feet. The shear zone narrows to a tight fracture along the strike where it contains less than 0.01 per cent WO_3.

I concur with the conclusions and recommendations of the engineer and geologist who examined the property.

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

Attachment

Copy to: Roscoe Smith, USGS
A. C. Johnson, Reno

Reviewed by
DMEA OPERATING COMMITTEE
7-2-54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

7/12/54

EXAMINATION REPORT

DMEA-3301, Holiday Claims

Inyo County, California

Wayne E. Hall, Geologist
U. S. Geological Survey

George H. Holmes, Jr., Mining Engineer
U. S. Bureau of Mines

June 22, 1954

Reviewed by
DMEA OPERATING COMMITTEE
7-2-54
(date)

EXAMINATION REPORT

Docket No.: DMEA-3301 (Tungsten)

Name and address of applicant: Creighton E. Caffee
% Taylor F. Johnson
Cartago, Calif.

Name and location of property: Holiday Claims
Inyo County, California

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

Mr. Creighton E. Caffee, Cartago, Calif., applied on March 19, 1954 to the Defense Minerals Exploration Administration for assistance in a $11,514 program to intersect by drifting the downward extension of a scheelite-bearing mineralized zone on the Holiday No. 6 claim near Cartago, Inyo County, Calif.

A field examination was made on May 18 by G. H. Holmes, Jr., mining engineer of the U.S. Bureau of Mines and Wayne E. Hall, geologist of the U.S. Geological Survey.

The Holiday claims are a tungsten prospect that exposes low-grade scheelite ore in a small, lenticular-shaped shear zone cutting screens or roof pendants of diorite and mica schist in quartz monzonite. Samples taken across the shear zone prospected by the applicant contained 0.07 percent WO_3 over a width of 11.3 feet. The shear zone narrows to a tight fracture within a length of 30 feet along the strike, where it contains less than 0.01 percent WO_3.

The applicant proposes to explore the downward continuation of the

shear zone by means of an adit 472 feet long at an altitude 400 feet below the surface exposure in the open cut. It is recommended that the applicant's request for Government aid in the exploration be denied as the ore is too low grade to be commercial.

TIME SPENT ON PROPERTY

The Holiday tungsten claims were examined on May 18, 1954 by an engineer of the Bureau of Mines and a geologist of the Geological Survey, accompanied by Creighton E. Caffee, applicant and owner of the property and Taylor F. Johnson, consultant to Mr. Caffee.

NAME AND LOCATION OF PROPERTY

The Holiday claims are in sec. 13, T. 18 S., R. 36 E., M.D. B.&M., Inyo County, Calif., about 6 miles by road and trail northwest of Cartago, a town on U.S. Highway 6 and 395 (fig. 1).

ACCESSIBILITY

The route to the property is rather circuitous as it is necessary to travel north on U.S. Highway 6 - 395 from Cartago for 3.4 miles; west on a graded dirt road for 0.3 miles; then south along the graded Los Angeles aqueduct road for 0.9 miles. The aqueduct is crossed at this point and a rough, ungraded road traveled about 0.5 mile westerly. A jeep or power-wagon is necessary for this part of the trip. From the end of this road an obscure trail extends up a steep, rocky canyon for about one mile to the open cut on the Holiday No. 6 claim. The property is accessible during the entire year.

COMPETENCY OF APPLICANT

The applicant's mining experience has consisted mainly of prospecting with but little actual mining work. He is a bulldozer and heavy road machinery operator. Taylor Johnson, the applicant's mining consultant, states that he has had much practical mining experience in Colorado and California.

Financing of any exploration would have to be done with their current earnings. Neither one appears able to finance an exploration project.

The applicant and his consultant were evidently of the opinion that costs of exploration assistance could be repaid from production and could be partially defrayed by supervision and consulting salaries.

APPLICANT'S PROPERTY RIGHTS

Twelve unpatented mining claims, designated Holiday No. 1 to 12, incl., comprise the Holiday group. They were located during February 1953 by the applicant and are on record in the Inyo County Mining records, Volume 66, Pages 293 to 331.

DESCRIPTION OF THE PROPERTY

The property is on the east slope of the Sierra Nevada mountains at an elevation of about 4800 feet. The relief of the area is rugged. The climate is semi-arid with hot, dry summers and moderate winters. Vegetation is sparse and comprises the usual desert shrubs and plants. No structures of any type are on the property.

The only mine workings are on the Holiday No. 6 claims and consists of an open cut 11.3 feet wide, excavated southward along the intersection of two narrow shear zones. This open cut was excavated by hand. Current work is being done along this mineralized zone. No work has been done on the other 11 claims.

Equipment comprises an old Dodge power wagon and miscellaneous hand tools. No major mining equipment is owned by the applicant.

Sample locations are shown on the geologic map. Assay data are as follows:

Sample No.	Width, Feet	%, WO_3	Location
257	2.8	*0.01	Face - open cut - west
258	5.7	0.12	" - " " - center
259	2.7	0.05	" - " " - east
260	1.4	*0.01	West split - 30 feet south

*Less than.

GEOLOGY

The Holiday claims are underlain by quartz monzonite of the Sierra Nevada batholith containing abundant screens or roof pendants of mica schist and diorite and cut by many thin aplite dikes. The quartz monzonite is cut by two sets of steep faults and shear zones that trend N. 20° W. and N. 25° E. (fig. 2). The fractures in the sheared zones are coated with limonite, which colors the rock a dark reddish-brown.

The shear zones localize the tungsten minerals. They are lenticular in shape and can be traced for only short distances. They are widest

where they cut the diorite and mica schist screens and tighten where they cut quartz monzonite. The shear zone exposed in the open cut on the Holiday prospect trends N. 25° E. and dips 80° to 85° to the east. It is 11.3 feet wide in the open cut, but it splits and narrows to a thickness of 1 to 2 feet in less than 20 feet both to the northeast and southwest of the open cut.

ORE DEPOSITS

Scheelite occurs in shear zones in a gangue of limonite, sheared quartz monzonite and diorite, and minor amounts of calcite. The open cut on the Holiday No. 6 claim exposes a shear zone that averages 0.07 percent WO_3 over a width of 11.3 feet. The shear zone strikes N. 25° E. and dips 80° to 85° to the east. Most of the scheelite is in crystals 1/16 inch to 1/4 inch in diameter along fractures, and the rock between fractures is unmineralized. South of the open cut the shear zone splits and can be traced only about 50 feet. The westerly most split 30 feet south of the open cut contains less than 0.01 percent WO_3 over a width of 1.4 feet. The easterly split also showed only minor amounts of scheelite under the ultraviolet light, and was estimated to contain less than 0.1 percent WO_3. North of the open cut the shear zone can be traced for 30 feet where it narrows to a tight fracture. It was not possible to examine the fracture farther to the northeast because of steep topography and broken rock from the pit.

A quartz vein 1 to 2 feet thick containing small amounts of scheelite is exposed 120 feet N. 25° W. of the open cut. It strikes N. 45° W.

and dips vertical. The quartz vein can be traced about 50 feet into an unmineralized fracture; it is too small and contains too little scheelite to be commercial.

ORE RESERVES

No ore reserves are present on the Holiday claims in the shear zones examined by the geologist and examining engineer; the scheelite-bearing shear zones have been mineralized too sparsely to be considered ore. Samples cut across the mineralized zone averaged only 0.07 percent WO_3 over a width of 11.3 feet. The tonnage of even this low-grade tungsten ore is not greater than 384 tons in a block 30 feet long having an assumed depth of 20 feet. The rest of the shear zone is tight and contained less than 0.01 percent WO_3 across a width of 1.4 feet.

Other limonite-stained shear zones are present in higher, more inaccessible places on the Holiday claims and also west of the Holiday claims. As these shear zones have not been prospected or even lamped with ultraviolet light by the applicant, they were not examined by the field team.

PAST OPERATION

There has been no production from the property; the open cut excavation is the only work done.

MANPOWER, SUPPLIES, ETC.

Labor, materials, supplies and equipment are available at Lone Pine and Bishop, Calif. No water or transmitted electric power is avail-

able on the property.

The current wage scale for miners is $16.00 per day.

APPLICANT'S PROPOSAL

The applicant proposes to drive an adit 472 feet S. 25° W. to intersect possible ore at a depth of 400 feet below the open cut. The chances of scheelite extending to a depth of 400 feet are small; it is probable that the shear zone in the open cut will narrow to a tight fracture at a depth of less than 25 feet, similar to what it has done along its strike.

No modified proposal of the applicant's program is warranted. The possible tonnage from the lenticular-shaped shear zone is too small and the grade of tungsten ore is too low to warrant further exploratory work.

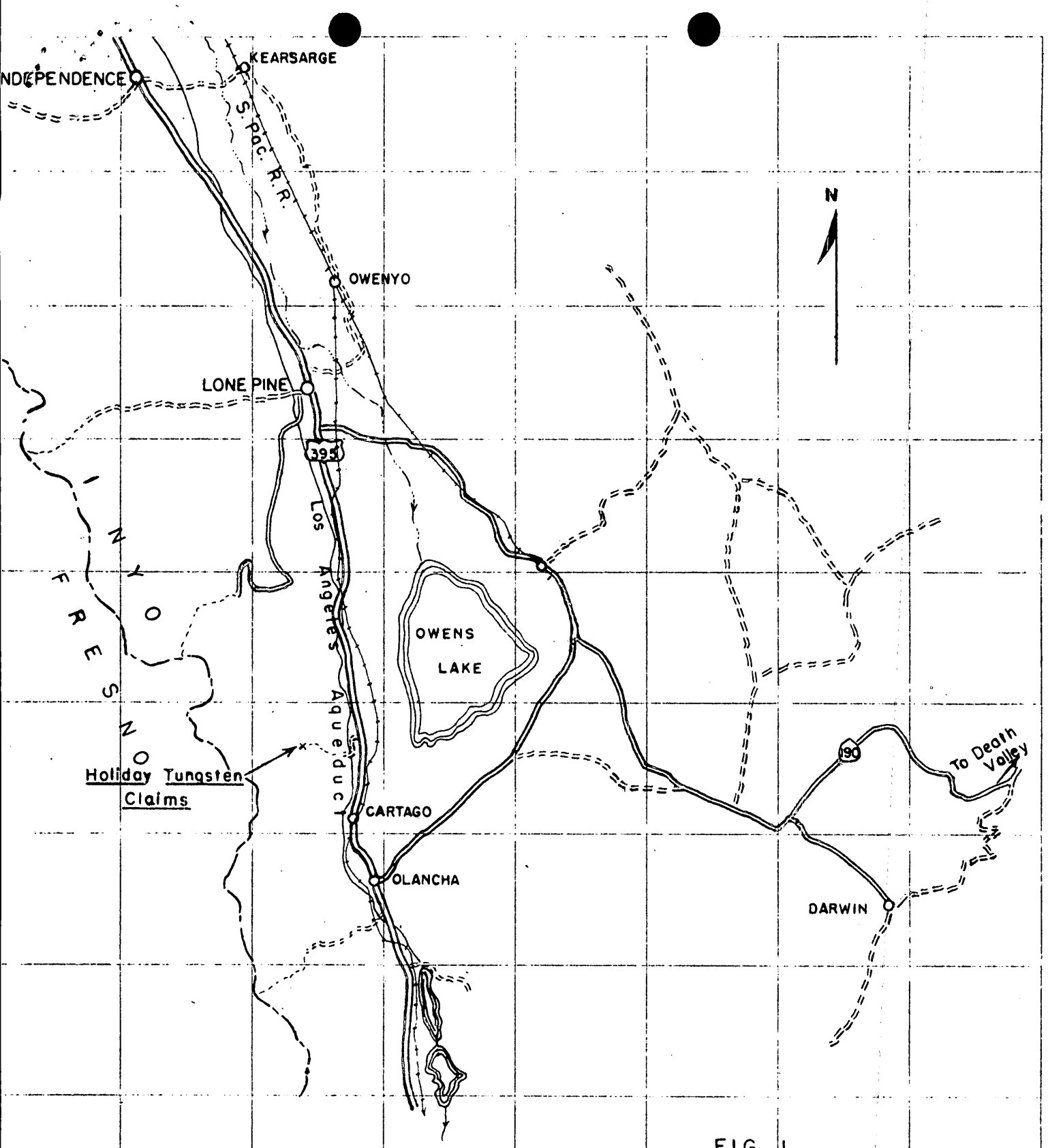
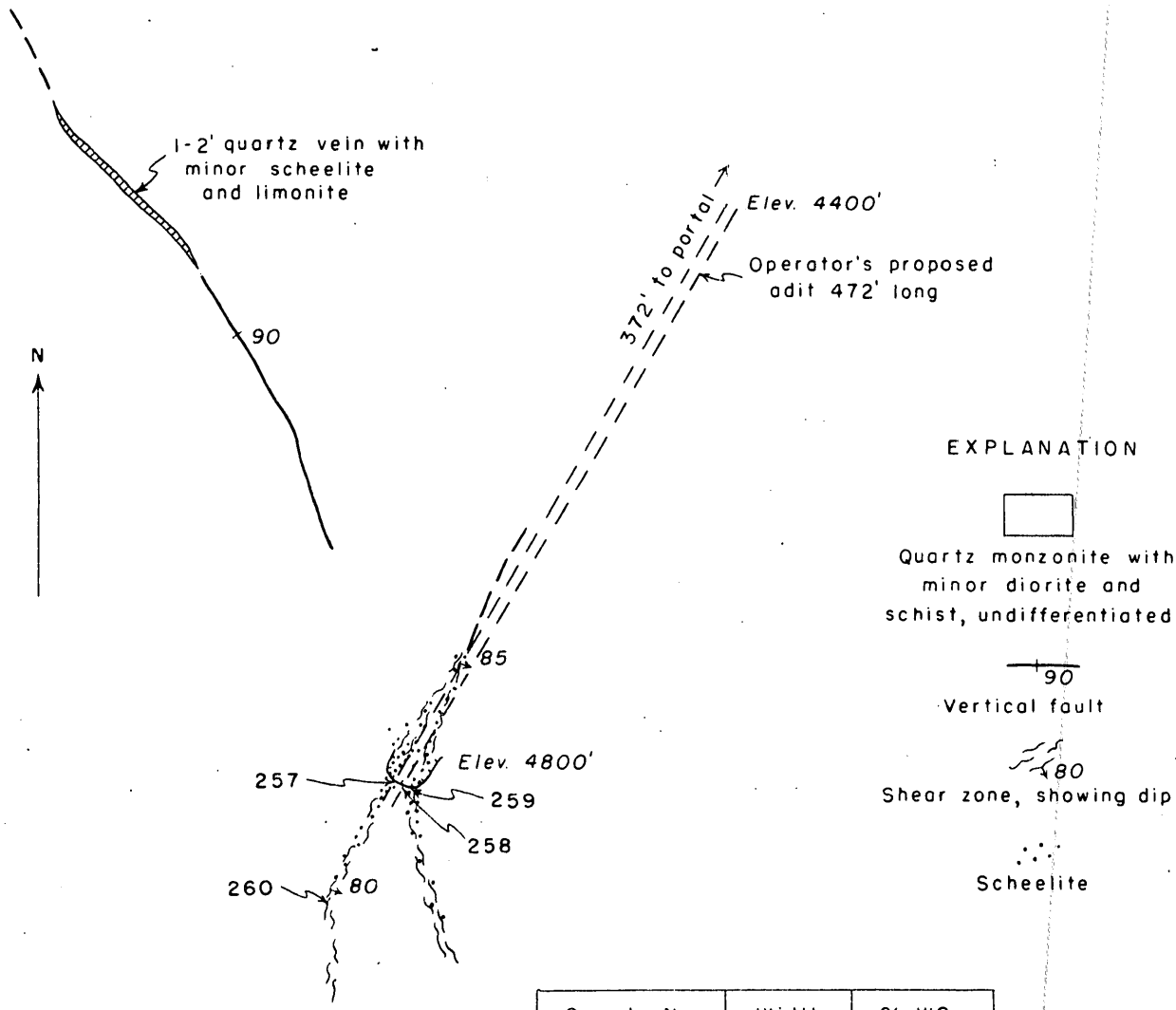


FIG. 1
Location Map
INYO COUNTY, CALIF.
1 Inch = 6 miles

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 3301
(TUNGSTEN)



Sample No.	Width	% WO_3
257	2.8	< 0.01
258	5.7	0.12
259	2.8	0.05
260	1.4	< 0.01

< less than

Mapped by W. E. Hall
May 1954

HOLIDAY PROSPECT, INYO COUNTY, CALIFORNIA

40 0 40 80 Feet

File Copy
Martin

400

MAY 7 - 1954

Hon. Clair Engle
House of Representative
Washington 25, D. C.

My dear Mr. Engle:

This will acknowledge receipt of your letter of May 4, 1954, requesting that you be kept advised of the progress of an application for exploration aid for tungsten made by Mr. Taylor F. Johnston of Cartago, California.

We believe that you have reference to our "Docket No. EMEA 3301-Tungsten, Creighton E. Caffee," containing an application submitted March 19, 1954, by Creighton E. Caffee and Taylor F. Johnston of Cartago, Inyo County, California.

By letter of April 3, 1954, Messrs. Johnson and Caffee sent us three additional copies of the same application and requested that the name of Mr. Taylor F. Johnston be omitted from the section listing "Name of applicant."

On April 21, 1954, the above application was referred to our Field Team for a field examination of the property. You will be advised of whether we find that an exploration contract would be justified.

Sincerely yours,

C. O. Mittenderf

Administrator

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

WSMartin/ls 5/6/54

R.C.B.

Clair Engle
2D DISTRICT, CALIFORNIA

HOME ADDRESS:
RED BLUFF, CALIFORNIA

OFFICE ADDRESS:
1033 HOUSE OFFICE BUILDING

Congress of the United States
House of Representatives
Washington, D. C.

COMMITTEE:
Interior and Insular Affairs

SUBCOMMITTEES:
IRRIGATION AND RECLAMATION
PUBLIC LANDS
MINES AND MINING
INDIAN AFFAIRS

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

May 4, 1954

Was "consultant" on
Amer 3301, but name removed
from application by letter
of 4-3-54 signed by both
Office & Taylor. for 5-5-54
WSM

C. O. Mittendorf, Administrator
Defense Minerals Exploration
Administration
Department of the Interior
Washington 25, D. C.

Dear Mr. Mittendorf:

I am advised that Mr. Taylor F. Johnston 3301(?)
of Cartago, California, has applied for an
exploration loan on a tungsten mine.

I understand that the application has
been forwarded to the Regional Office in San
Francisco, and I will appreciate being kept
advised as to the progress of this application.

Sincerely yours,

Clair Engle

CLAIR ENGLE, M.C.

BOCKET
SURNAME

Hopkins
Martin
Geehan
Jacobs
Hedges
Selfridge
H Jones

APR 21 1954

Mr. Creighton E. Caffee
Box 101
Cartago, California

Re: Docket No. DMEA 3303 - Tungsten
Holiday Claims
Inyo County, California

Dear Mr. Caffee:

Your application for exploration assistance on your Holiday Claims, Inyo County, California, has been reviewed by the Iron and Ferro-Alloys Division, DMEA, and has been referred to Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region III, 1002 Flood Building, 870 Market Street, San Francisco 2, California, for further consideration and possibly a field examination.

Should a field examination be made of the property any assistance that you can render the examining engineers will be appreciated.

Sincerely yours,

C. O. Mittenderf (fwt

Administrator

JHopkins:foc
4-20-54
cc to: Docket
Code 400
Adm. Reading File
Oper. Committee
FT. Reg. III
R. W. Geehan, USBM
T. P. Thayer, USGS

R.C.S.

400

Docket
Surname

Hopkins
Martin
Guhon
Selfridge
[illegible]

APR 21 1954

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

Re: Docket No. DMEA-3301 - Tungsten
Creighton E. Caffee
Holiday Claims
Inyo County, California

Dear Mr. Miller:

The subject application for exploration assistance is being referred to your office for review and a field examination if warranted.

A memorandum dated April 9, 1954, by Mr. E. L. Hancock, geologist, Geological Survey, is enclosed for your information.

Should you schedule a field examination, please notify Mr. Taylor F. Johnson, Cartago, California, who will meet the examining engineers and accompany them to the property.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (24B)

APPROVED:

J. H. Hedges (24B)

Member, Bureau of Mines

D. M. Larrabee (24B)

Member, Geological Survey

Enclosure

JHopkins:foc
4-20-54
cc to: Docket
Code 400
FT. Reg. III
Adm. Reading File
Oper. Comm.
R. W. Geehan, USBM
T. P. Thayer, USGS

R.C.G.

IN REPLY REFER TO:

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

April 9, 1954

Re: DMEA-3301
Holiday Claims
Inyo County, Calif.
$11,514
Tungsten

WSM

Memorandum

To: Mr. W. S. Martin, DMEA

From: E. L. Newcomb, USGS

Subject: Review of application

The applicant proposes to drive a 400-foot adit to intersect a tungsten-bearing vein structure which has been exposed by surface trenching.

We do not have any available geological information on this property.

The application does not contain sufficient information to evaluate the feasibility of the proposed work. The assays of selected material are interesting, but can not be considered typical of the overall vein structure.

Rather than request more geological information from the applicant, it would be more expedient to refer the application to the field team for their consideration.

I recommend a field team examination be made, unless the field team has information which indicates that Government assistance is unwarranted.

E. L. Newcomb

E. L. Newcomb
Geologist

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

April 6, 1954
Subject: DMEA-3301
Re: Exploration Assistance
Holiday Claims

Mr. Creighton E. Caffee
Cartago
California

Dear Sir:

The receipt of your application dated March 19, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

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

Kindly refer to DMEA-3301 in any future correspondence relating to your application.

Sincerely yours,

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

Cartago, Calif.
April 3rd 1954.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 6 1954

United State Department of the Interior,
Defence Materials Exploration Administration,
Washington D.C.

Gentlemen:

Enclosed you will find three additional copies of the Report as well as the additional copies of the Application as you requested. Ths Applications in your hands we would like changes to read :

Name of Applicant* (a) Creighton Caffee omiting the Name of Taylor F. Johnston as other arrnagments have been made for this Section.

Thanking you,

Sincerely Yours,

TFJ/1

Taylor F Johnston
Creighton E Caffee

Docket
Martin

APR 2 1954

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

Re: Docket No. (Unassigned)
Creighton E. Caffee and
Taylor F. Johnson
Holiday Claims Nos. 1 through 12
Inyo County, California

Dear Mr. Miller:

The subject application, dated March 19, 1954, was received here on March 25 and acknowledged on the same date as follows:

"Mr. C. E. Caffee
Cartago, California

"Dear Mr. Caffee:

"This will acknowledge your letter dated March 19, 1954, enclosing one copy of form MF-103, an application for an exploration project on tungsten.

"Please be advised that four copies of the application are required for processing, and it is requested that you forward as soon as possible three additional copies thereof.

"The processing of this application will be held in abeyance pending the receipt of the additional copies.

"Sincerely yours,

Signed: Robert E. Adams

"Robert E. Adams
Chief, Operations Control
and Statistics Division"

On March 31, 1954, Mr. R. S. Butler, of the House Interior and Insular Affairs Committee, telephoned to ask our Iron and Ferro-Alloys Division about the status of the above application. The inquiry was made because the applicant wrote to his Congressman on the same date that he mailed his one copy

R.G.

of form MF-103 to us. Mr. Butler was informed about the foregoing, and he expressed the intention of explaining the matter by letter to the constituent.

Unless we receive the requested copies within a week or two, we will write to the applicant again, sending you a copy of our letter. In the meantime, on the basis of the information contained herein, you will be familiar enough with the case to answer any inquiry that might come to you.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

cc; DOCKET
FT, REG. III
CODE 400
ADM. READ. FILE
R. W. GEEHAN, USBM
P. W. GUILD, USGS

WSMartin/ls 4/2/54

200

FILE COPY
SURNAME:

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

MAR 25 1954

Mr. C. E. Caffee
Cartago, California

Dear Mr. Caffee:

This will acknowledge your letter dated March 19, 1954, enclosing one copy of form MF-103, an application for an exploration project on tungsten.

Please be advised that four copies of the application are required for processing, and it is requested that you forward as soon as possible three additional copies thereof.

The processing of this application will be held in abeyance pending the receipt of the additional copies.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Chief, Operations Control
and Statistics Division

REAdams/esf (3/25/54)
cc to: Admr. Reading File
Mails & Files Br.

R.C.S.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 25 1954

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

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. 3301
Metal or Mineral Tungsten
Date Received
Estimated Cost $11,514
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: CREIGHTON E. CAFFEE ~~TAYLOR F. JOHNSTON~~

CARTAGO, INYO COUNTY 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 12 MINING CLAIMS HELD UNDER LOCATION SITUATED 20 MILES SOUTH OF THE TOWN OF LONE PINE CALIF. IN THE SIERRA NEVADA MOUNTAINS THREE MILES WEST OF HIGHWAYS 395 and 6. CLAIMS HOLIDAY NO 1 to 12 INCLUSIVE. RECORDED.

(*b*) State any mine name by which the property is known. NEW PROSPECT

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

(*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 THERE IS NOTHING AGAINST THE PROPERTY IN ANY WAY

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. VOLUME 66 PAGES 293 to 331 MINING RECORDS INYO 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 will to explore TUNGSTEN (WO3).

(*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 TEN days and be completed within THREEY 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.). 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.

(*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)?

(*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.

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 19th, 1954

E. E. Coffee
(Applicant)

By Taylor F. Johnston
Cartago Inyo Co.
California

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

Cartago, Calif.
March 19th 1954.

Defense Minerals Administration
RECEIVED
MAR 25 1954

United States Department of the Interior,
Defence Minerals Exploration Administration,
Washington, D.C.

Gentlemen:

We are enclosing an application for a loan to develop what we believe a valuable mining location for tungsten ores. We have to the best of our ability formulated a plan of operation with an estimate of the cost of this plan, based on our experience and mining in this vicinity for some fifteen years past. This is a new discovery, with every indication of a well embedded tungsten deposit of commercial value. We believe the most satisfactory and fair manner to obtain the necessary funds for the work we have in mind is a Government loan which we feel assured we can repay in due time from sale of ore mined. As you will note the actual funds requested are to be used exclusively for this project. Your engineer can visit the property any time for examination. Mr Johnston making this report is available any time at the Post Office at Cartago where he can be reached and will take the engineer to the property. Mr Caffee lives at Voso Junction twenty five miles from the property. We would appreciate advising us when an engineer will visit theproperty that Mr Caffee can also be here at Cartago.

Thanking you for your consideration of this request,

Very Truly Yours,

Taylor F Johnston
Consultant.

TFJ/1
CC Mr Caffee.

Enclosure application. and reports, estimates etc. Assay sheet.

Conclusion.

From my experience in mining I believe this a meritorious application for a mining loan. I also believe the expenditure of this money will open up a fine deposit of Tungsten ore in veins large enough to be of commercial tonnage and tungsten content tobe profitable. It is by far the best prospect I have examined in a long time. I have made a very complete estimate of the cost to run this cross cut of some four hundred feet to intersect the vein and provide for an economical out let for the ore as mined.

We trust you will give this application your consideration and thought. Any time your engineer wishes to makean examination we are at your service. We are enclosing an assay taken from this cut, picked at random principally to ascertain what the (WO_3) in comparison to lamping the vein. No other assays have been taken as the tungsten lamp shows up tungsten in most every place work has been done.

Very Truly Yours,

Taylor F Johnston
Cartago Calif.

Section 5. b NO WATER HAS BEEN DEVELOPED ON THE PROPERTY.

This cross cut tunnel will be approximately 400 feet long. Work can be started on the road with in ten days after approval of the loan and thirty days work can be started on the cross cut tunnel. With good fortune this work should be completed within ninty days. This will determin future working of the property.

d Both Mr Caffee and Mr Johnston are well qualified to engineer the driving of this tunnel. Mr. Caffee has been a student of mining for some time and has done actual mining as well as years of prospecting. Mr. Johnston was born in Leadville Colo, mined in Boulder County, and In California. Has been in excutive positions as well as from the bottom up. He is well qualified to administer advise and consultant supervision of the work. Both men understand mining operations in every detail.

Article 6 b No contracts will be let for this work. We can do the work more economically ourselves.

The sum for Contingencies we belive ample for the work at hand. We make our conclusions from the fact we have all year mining conditions, no water and good ground to work in. The amount requested will we belive put the mine on a paying basis. Once the vein is reached and the ore bodies still hold up to the values found on the surface, work can proceed drifting and stopeing on ore.

From the many favorable conditions for mining it is difficult to find a more promising mining venture than this looks to be.

So little work has been done a map would be of no value other than identifying the location as to highways rail roads etc. This location has been well described page 2 and on the application. Any other map would not in my opinion benefit the application for this loan. Any Mining Engineer I feelsure will immediately see the potential value of this prospect.

Quite a little high grade float has been found from time to time up the main canyon running west from this property. Some has been found at the top of the high range at an elevation of 8000 feet. Most of it however has been found in the immediate vicinity of this vein.

These asays were taken shortly after the cut was opened up and the vein exposed. They were taken at random, no effort was made to get a run sample but to ascertain from pieces picked here and there what percentage of WO_3 was to be found. After these samples were run we found ore of extremely high grade as shown by lamping it.

This property has every indication of developing into a profitable mine.

Article 4.
a A few cuts and trenches have been opened up for exploration purposes in prospecting for Gold some years back. The prospecting for Tungsten was not considered at that time. For several years an old man held these claims and from time to time brought in samples of high grade tungsten ore, He passed on and Mr Caffee as well as myself have been trying to locate this source for two years. Mr. Caffee discovered rich float in a canyon north of the location the old man had, Tracing this float led to a stringer which lamped tungsten. Following this stringer led to a junction of another vein running north and south. Here location work was done and opened up a large vein of good grade commercial tungsten ore. This cut is about five feet in width and shows ore the entire width. After the merger of the two veins at the cut the vein continues on up over the mountain. The location of this cut is not feasable for good mining operations as it is difficult to get supplies and equipment up there for operation. The location work was done by Mr Cafee the examination for future development and financing recommended by Mr. Taylor F. Johnston who has been associated with Mr. Caffee for several years.
b No Production.

d The property is accessible 12 months of the year, workable for this time. No Geological report has ever been made, but from years of experience this property has the ear marks of a mine and the vein great depth, tracable for several hundred feet after the two veins merge, on up the mountain. This vein has impregnated the over burden with small particles of tungsten for a large area. This conditions shows up at night with a lamp.

d At present a car can be driven within a mile of the put, a short walk will take you up the hill to the location work as described above. Examination can be made here and samples taken. An easy all year road can be constructed connecting highways 6 and 395. Ths distance approximately three miles. The ore may be processed at the U.S.Vanadium Mill at Bishop Calif a trucking haul of 95 miles until such a time as the mine will warrent a mill. The Southern Pacific R.R. Line from Mojave to Owenyo runs within four miles where a ramp could be constructed, Lone Pine Calif 2o miles to the north will furnish supplies needed, Population 1500. Cartago a town site four miles south population 110 has ample facilities for housing, ground and buildings with ample water for millsite.

e Labor has always been available for mining as several mines work most of the year in close proximinity to this property.

Section 5b In order to prove up the existing ore bodies as discovered on the surface, it is our desire to drive a cross cut tunnel to intersect the main vein, providing for economical mining of the ore bodies that mey be encountered as development work proceeds along the vein. This cross cut will have a beginning at the terminus of the road where easy grading will provide ample level ground for buildings etc. Here we plan to erect a compressor house with addition for living quarters for the Supt. Mr Cafee as well as office hosing and tool shed. Mr. Caffee will remain on the property at all times during the ninty days working period. The contour of the mountain rises ver rapidly from the cut on so from a point where the intersection will be made a vertical distance of some 5to 6 hundred feet will afford a vast block of ground that can be worked through this cross cut. From the intersection to the top of the highest point where the vein was traced would have a vertical elevation of over a thousand feet, so the entire mining operation could be handled through this cross cut tunnel for a long time. The mine should start paying expenses soon after the vein has been cut by this tunnel. Ample dumping ground provided for years of work with out conflicting with other private property. The same condition if the mill were located at Cartago Calif. for tailings.

Estimates holiday group of claims.
Section 6.
It is proposed to employ a Superintendent, Machine man, mucker, Mr Johnston as consultant. Wages Proposed.

Superintendent Mr. Caffee $450.00 for ninty days	$ 1350.00	
Machine man working ninty days $16.00 per day	$ 1440.00	
Mucker working ninty days $15.00 per day	$ 1350.00	
Mr Johnston Consultant see statment we to furnish.		
Total labor	$ 4690.00	4140.00

Road work.		
3 men working four days $16.00 per day	$ 192.00	
Oil, gas etc Catapilliar man	$ 210.00	
Grading for buildings at end of road	$ 290.00	
Compressor, house, living quarters and office for Mr Caffee who will be on the ground all times during the work	$ 1165.00	1857.00
Total other than equipment	$ 6547.00	5997.00

Equipment.		
One 325 cubic foot air compressor	$ 1987.00	
One Drifting machine with bar, arm clamp	$ 595.00	
Hose, couplings, fittings valves etc	$ 127.00	
A steel platt	$ 75.00	
Rails spikes ties for track	$ 465.00	
Ore car we furnish.		
Pipe for air to mine	$ 255.00	
Oil, gasoline, blacksmith coal for period ninty days	$ 586.00	
Insurance, Liability, fire and theft		
Two men underground, one man on top	$ 531.00	
Wedges, Blocks etc timbering	$ 70.00	
Freight, transportation	$ 236.00	
Total	$ 4927.00	4927.00

We plan to furnish.		
One catapilliar	$2150.00	
Picks, shovels. hammers, tools, drill press, anvil, blower, blacksmith forge, ore car, water tanks, Gasoline tanks, fresh water tank for domestic purposes, miners lamps, carbide, drill steel etc	$ 475.00	
Ore car	$ 125.00	
Truck	$1050.00	
Consultant salary	$ 950.00	950.00
Total	$4750.00	

Total Estimates on Road, buildings, equipment sypplies insurance labor $11514.00

3426
4980

This will leave a contingent fund of $3426.00 whish would be ample for further development incase when the vein is reached and further work is done.

$\frac{3}{60} \times 3325 = 166.25$

12,090.25

Department of the Interior
Defense Minerals Administration
RECEIVED
MAR 25 1954

FORM 1

COPY

LABORATORY REPORT

SMITH-EMERY COMPANY

CHEMICAL ENGINEERS AND CHEMISTS
METALLURGICAL AND TESTING ENGINEERS
920 SANTEE STREET
LOS ANGELES 15

OUR NEW ADDRESS
701 E. WASHINGTON BLVD.
LOS ANGELES 21, CALIFORNIA

ALL REPORTS ARE SUBMITTED AS THE CONFIDENTIAL PROPERTY OF CLIENTS, AUTHORIZATION FOR PUBLICATION OF OUR REPORTS, CONCLUSIONS, OR EXTRACTS FROM OR REGARDING THEM IS RESERVED PENDING OUR WRITTEN APPROVAL AS A MUTUAL PROTECTION TO CLIENTS, THE PUBLIC AND OURSELVES.

"COPY"

LABORATORY No. 369563-64 *Date* June 5, 1953.

Sample Ore

Received 6/2/53 *Marked*

Submitted by Mr. John C.Fryer, For Taylor + Johnston
1126 Wilshire Boulevard,
Santa Monica, California.

REPORT OF DETERMINATIONS

"#1 Large"

Tungsten Trioxide (WO_3) --------- 6.80%

"#2 Small"

Tungsten Trioxide (WO_3) -------- 16.97%

Respectfully submitted,

Smith-Emery Co.

CHEMISTS AND ENGINEERS

EOB