DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 2941

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EXPLORATION ASSISTANCE

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Routing Slip

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To: Code 400 Rm 3538 Date 3/24/53

To: Open Com Date 3-27-53

To: Open Com Date 7-24-53

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CONTROLLED DOCUMENT

23 1953

2941

Mr. Etienne J. Ritter
Consolidated Tungsten Corporation
604 Mineral Building
Denver 2, Colorado

Re: Docket No. U-M 294 - Tungsten
Consolidated Tungsten Corp.
Jasper Queen Claim
Park County, Colorado

408

Dear Mr. Ritter:

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 a small amount of tungsten mineralization on the Jasper Queen claim, indicates to us that the probability of disclosing mineable ore reserves of tungsten by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application is denied.

We wish to thank you for your interest in the Defense Mineral Program and for bringing your lease to our attention.

Sincerely yours,

C. O. Mittendorf

Administrator

Whutledge/jh—7/20/53
cc. to: Docket
Over. Comm.
Adm. Reading File
Code 400 (2)
Messrs. D. F. Hammon, USGS
R. W. Geehan, USGS
DMEA Field Team, Region IV, (2)

FILE COPY
Surname:

Rutledge
Martin
Heehan

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY
WASHINGTON 25, D. C.

July 20, 1953

Memorandum

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of exploration project in the amount of $40,000.00.
Docket No. DMEA 2941 - Tungsten
Consolidated Tungsten Corporation
Jasper Queen claim
Park County, Colorado

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

1. The applicant requested $40,000.00 to explore for scheelite on a property where previous exploration has proven the ore shoots to be short, narrow, and of very limited depth.

2. Scheelite occurs as scattered grains, minute flakes, and occasional large crystals, disseminated in the lime-silicate members of the Firefly belt of pre-Cambrian schist and gneiss at the Jasper Queen lode. Scheelite is, for all practical purposes, limited to a 25 to 100 foot wide zone of lime-silicate gneiss present near the western boundary of the Firefly belt.

The lime-silicate rock occurs in irregular masses or small lenses which pinch out abruptly or terminate against pegmatite dikes.

3. The Hayden Mining Company explored the scheelite deposits in 1944 and made two shipments of ore from the Jasper Queen claim and the adjoining claims to the north as follows:

3,700 pounds	1.30 percent WO_3
28,000 pounds	0.62 percent WO_3
Avg.	0.69 percent WO_3

4. The scheelite ore bodies are short, narrow, and low grade. The largest ore shoots found in the Firefly belt have been 15 to 20 feet long, 10 to 12 feet wide, and 5 to 10 feet deep.

Four of the six samples taken by the field team contained less than 0.01 percent WO_3 and the other two contained 0.06 percent WO_3. The material sampled undoubtedly represents lime-silicate

R.C.G.
7-22-53

rock of low scheelite content since the high grade material found during exploration was hand sorted and shipped to the Boulder stockpile of the M.P.C.

5. The examining Field Team concludes that the discovery of a significant scheelite ore body on the subject property is improbable and recommends denial.

6. The Field Team recommends denial.

7. The Commodity Divisions of the Geological Survey and Bureau of Mines concur with the denial.

W. S. Martin

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

FARutledge/jh
7/20/53
cc. to: Docket
Code 400 (2)
Oper. Comm.
Adm. Reading File

Mr. W. H. King, Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

MAR 30 1953

Re: Docket No. DMEA 2941 - Tungsten
Consolidated Tungsten Corporation
Jasper Queen Claim
Park County, Colorado

Dear Mr. King:

Reference is made to the subject application for exploration assistance which is being referred to your office for review and possibly a field examination. If the Field Team should decide that an examination is warranted, it is suggested that sufficient samples be taken to indicate the relative value of the occurrences.

In reviewing the application, it was noted that neither the property nor the tungsten occurrence is adequately described therein, and the proposed program is labeled "development".

A memorandum by D. M. Lemmon, U. S. Geological Survey, has been prepared and is enclosed for your information.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

FARutledge/ls 3/25/53

Enclosure

cc: DOCKET
FT. REG. IV
OP. COM.
CODE 400
ADMN. READ. FILE
D. M. LEMMON, USGS
R. W. GEEHAN, USBM

APPROVED:

S. H. Hodges

Member, Bureau of Mines

A. R. Kinkel, Jr.

Member, Geological Survey

402

MAR 30 1953

Mr. Etienne A. Ritter
Consolidated Tungsten Corporation
604 Empire Building
Denver 2, Colorado

Re: Docket No. DMEA 2941 - Tungsten
Consolidated Tungsten Corp.
Jasper Queen Claim
Park County, Colorado

Dear Mr. Ritter:

Your application for assistance in exploring tungsten occurrences on the Jasper Queen claim, Terryall Springs district, Park County, Colorado, has been reviewed by the Iron and Ferro-Alloys Division, Defense Minerals Exploration Administration, and has been referred to Mr. W. H. King, Executive Officer, DMEA Field Team, Region IV, 224 New Customhouse Building, Denver 2, Colorado, for further consideration and possibly a field examination.

Should a field examination be required, any assistance that you can render the examining engineers will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

cc: DMEA
FIELD TEAM, ENG. &
ADMN. READ. FILE
CF. CONS.
CODE 400
D. M. LEMON, CNGS
R. [illegible] GRAHAM, [illegible]

FARutledge/la
3/25/53

400

July 20, 1953

Memorandum

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of exploration project in the amount of $40,000.00.
Docket No. DMEA 294 - Tungsten
Consolidated Tungsten Corporation
Jasper Queen claim
Park County, Colorado

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

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2. Scheelite occurs as scattered grains, minute flakes, and occasional large crystals, disseminated in the lime-silicate members of the Firefly belt of pre-Cambrian schist and gneiss at the Jasper Queen lode. Scheelite is, for all practical purposes, limited to a 25 to 100 foot wide zone of lime-silicate gneiss present near the western boundary of the Firefly belt.

The lime-silicate rock occurs in irregular masses or small lenses which pinch out abruptly or terminate against pegmatite dikes.

3. The Hayden Mining Company explored the scheelite deposits in 1944 and made two shipments of ore from the Jasper Queen claim and the adjoining claims to the north as follows:

3,700 pounds	1.30 percent WO_3
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Avg.	0.69 percent WO_3

4. The scheelite ore bodies are short, narrow, and low grade. The largest ore shoots found in the Firefly belt have been 15 to 20 feet long, 10 to 12 feet wide, and 5 to 10 feet deep.

Four of the six samples taken by the field team contained less than 0.01 percent WO_3 and the other two contained 0.06 percent WO_3. The material sampled undoubtedly represents lime-silicate

rock of low scheelite content since the high grade material found during exploration was hand sorted and shipped to the Boulder stockpile of the W.P.C.

5. The examining Field Team concludes that the discovery of a significant scheelite ore body on the subject property is improbable and recommends denial.

6. The Field Team recommends denial.

7. The Commodity Divisions of the Geological Survey and Bureau of Mines concur with the denial.

W. S. Martin

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

FARutledge/jh
7/20/53
cc. to: Docket
Code 400 (2)
Oper. Comm.
Adm. Reading File

IN REPLY REFER TO:

G-MD-CF

400

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

March 24, 1953

Memorandum

To: W. S. Martin, DMEA

From: D. M. Lemmon, USGS

Subject: Exploration application $40,000 DMEA-2941
Consolidated Tungsten Corporation Tungsten
604 Empire Building
Denver 2, Colorado

Property

Jasper Queen Lode
T. 12 S., R. 72 W.
Tarryall Springs district
Park County, Colorado

Proposal

1) Five shallow pits to trace vein beneath cover.
2) An adit 300 feet long with a 65-foot raise.
3) A vertical shaft 115 feet deep and 300 feet of drift on the 100 level.

Geology

The applicant states that scheelite occurs in a "well defined fissure vein" in pre-Cambrian schist, gneiss and pegmatite. No geologic or assay map is submitted.

According to a memorandum report by Ogden Tweto of the Geological Survey, dated January 24, 1944, this claim and others in the vicinity were extensively prospected in 1943-44 by the Hayden Mining Company. According to Tweto's report, "The Hayden Mining Company has been working in the Tarryall Springs district for 3 or 4 months and has dug holes on all of the best scheelite showings except 2 or 3 at the southwest end of the Firefly belt, where it is working at present. This work has shown that the individual ore bodies are very small and that the grade is rather low. . . . . Of some 25 "good showings" prospected by the Hayden Mining Company, the greatest length found is 15 or 20 feet, and the greatest depth

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is 5 feet. One or more of 3 things happens to the ore in every hole: (1) the scheelite-bearing lime-silicate rock cuts off against pegmatite, (2) the lime-silicate rock lenses out, and (3) the scheelite mineralization dies out in going away from the gray pegmatite".

It appears that the scheelite deposits are in lime-silicate replacements of limey beds, not in quartz fissure veins, and that no continuity of ore is expectable.

An application for exploration of the nearby Round Mountain prospects was denied in 1951 after an examination by C. M. Harrer of the Bureau of Mines (May 7, 1951).

Recommendation

I suggest that the application be referred to the Field Team for recommendation and field examination, if the Field Team considers it necessary. The information available in our files and in the application suggests that the proposal should be denied.

D. M. Lemmon

DMLemmon:khs

G 3/24/53

Copies to: Director's reading file-4212
Division files-4240
Branch-4208
Branch reading file-4212

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Minerals Administration
RECEIVED
Jan 23 1953

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

Not to be filled in by applicant

Docket No. DMEA-2941
Metal or Mineral
Date Received 3-23-53
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Consolidated Tungsten Corporation (Crossed under the laws of the State of ~~Minnesota~~ Nevada.
304 Empire Building, Denver 2, Colorado

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Seven patented lode mining claims (See detailed information attached)

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise A lease with option to purchase (see information attached)

(*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

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

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

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

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

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

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

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

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

(*c*) The work will start within 15 days and be completed within 3 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

(*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 February 24, 1953

Consolidated Tungsten Corporation
(Applicant)

By Etienne A. Ritter, President

Etienne A. Ritter

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

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Not to be filed by applicant
Docket No. _____
Metal or Mineral _____
Date received _____
Estimated Cost _____
Participation (Government) %

INSTRUCTIONS

1 Name of applicant.-
(a) Consolidated Tungsten Corporation (To be incorporated under the laws of Nevada
(b) V.President, K. Richard Sturm, Twin Lakes, Colorado; Vice-President, Etienne A. Ritter, 604 Empire Building, Denver 2, Colorado; Secretary-Treasurer C. George Swallow, 3532 Monroe Street, Denver, Colorado, Directors Ed. Saunders, P.O. Box 191, Buena Vista, Colorado, H.A. Hershfield, 125 E. Las Cruces, New Mexico.

3. Applicants property rights.
(a) A Lease and Option to Purchase, copy given under letter (d)
(b) The claim on which the work will be done will be the Jasper Queen Lode, U.S. Min. Surv. 17281, located in T. 12 S., R. 72 W., in Park County, Colorado.
(c) Copy of the Lease and Option to Purchase:
(d).This agreement of Lease and Option to purchase entered into this 15th day of october A.D. 1952, by and between R.D. Wilfley and Amy F. Wilfley, of the City of Colorado Springs, County of El Paso, parties of the first part, hereinafter called "LESSOR" and Etienne A. Ritter, of the City and County of Denver, Colorado, party of the second part, hereinafter called "LESSEE", WITNESSETH:

That Lessor, in consideration of ten dollars ($ 10.00) in hand paid, receipt of which is hereby acknowledged and of the agreements herein expressed, to be paid, kept and performed by Lessee, has let, demised and leased unto said Lessee the following described lands and Lode Mining Claims, to wit:

Big C Lode	U.S. Mineral Survey No.	16580
North Star No. 1 Lode	" "	16580
Big C. No. 3 Lode	" "	18970
Big C. No. 4 Lode	" "	18970
North Star No.2 Lode	" "	18970
Jasper Queen Lode	" "	17281
Copper King Lode	" "	15816

TOGETHER WITH THE RIGHT TO PURCHASE THE ABOVE MENTIONED LODE MINING CLAIMS ON THE FOLLOWING TERMS AND CONDITIONS:

The price of the property is Fifteen thousand ($ 15,000.00) dollars, to be paid as follows: One thousand ($1,000.00) dollars to be paid on or before October 15, 1952; Five thousand dollars ($ 5,000.00) to be paid on or before October 15, 1954 and Eight thousand ($ 8,000.00) to be paid on or before October 15, 1955, when a deed free and clear of all encumbrances will be given to Lessee.

A royalty of ten percent (10%) is to be paid by Lessee on all ores or concentrates made from ores shipped and sold from the above mentioned Lode Mining Claims and the royalty is to apply on the purchase price of said Lode Mining Claims.

1- Lessor is the owner of a Tax Deed from the County Treasurer of Park County, Colorado, to the above described Lode Mining Claims. Lessor agrees to take immediate steps and to carry them with the utmost diligence in order to obtain a Court's Decree to Quiet Title to these Lode Mining Claims, as soon as possible and, upon certification by the law firm of Snyder and Tullis that title has been quieted, an additional $ 1,000.00 shall become due and payable.

2- Lessee agrees to start work within one hundred and twenty (120) days from the date of this Lease, provided a Court's Decree has been issued before that date, or to start work within thirty (30) days after a Court's Decree has been issued and he has received notice of it.

3- Lessee agrees to carry compensation insurance; he agrees to post in a conspicuous place a notice notifying that Lessor is not responsible for any expenditures incurred for material or work done on the above described premises.

4- Lessee agrees to comply with all the rules and regulations from the United States and from the State of Colorado governing mining operations.

5- Lessee agrees to allow Lessor or his representative to inspect the work done by Lessee at all reasonable hours.

6-It is mutually understood and agreed that all taxes levied upon the output of the ores mined on said demised premises shall be paid by the respective parties hereto in proportion to the sale returns respectively received by them.

7- In the event Lessee fails to pay the above mentioned royalty or to keep and fulfill any and all of the agreements herein expressed or implied, Lessor shall notify Lessee in writing of such default and in the event that Lessee fails to remedy such default

within thirty (30) days, then, in that event, it shall be lawful for Lessor, his agent or attorney to declare this Lease void and of no effect and without or with process of law, to enter and take possession of the above described Lode Mining Claims and premises.

6- At the termination of this Lease, whether voluntarily or by forfeiture, Lessee shall have thirty (30) days to remove any machinery or personal property placed by him on these leased Lode Mining Claims and premises.

8- The privilege of assignment of this Lease and Option to Purchase to individuals or to a Corporation is acknowledged by Lessor and the terms contained therein are binding on the assignees, heirs, executors and administrators of both parties.

IN TESTIMONY WHEREOF, witness the hands and seals of both parties this 15th day of October A.D. 1952.

(Signed) R.O. Gilfley, Ray F. Gilfley, Parties of the First Part
(Signed) Etienne A. Ritter Party of the Second Part

October 15, 1952, this Lease and Bond was placed in escrow under Escrow Instructions to the Exchange National Bank of Colorado Springs, Colorado.

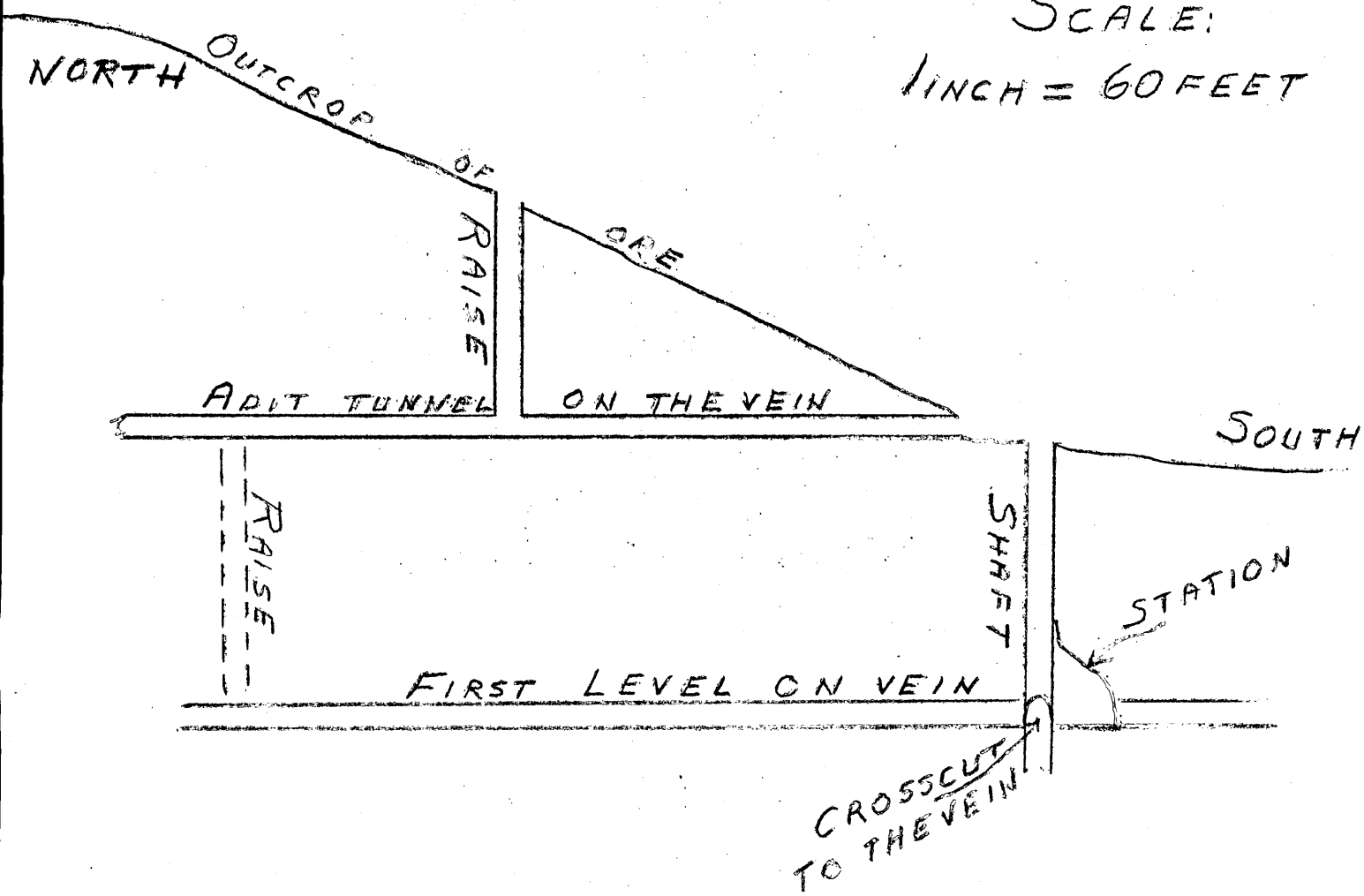
September 12, 1952 Etienne A. Ritter assigned all his title and interest in said Lease and Option to Purchase to Consolidated Tungsten Corporation and notified the Vice-President of the Exchange National Bank of Colorado Springs, in charge of the Escrow agreement of this fact.

4- Physical Description.

(a) No mining or exploration operations are now being conducted upon the land.

There is an ore body in a vein 4 feet wide, which outcrops on the side of a hill for an horizontal distance of 300 feet and a difference in elevation of approximately 140 feet between the lower and the upper end of the outcrop of the ore body.

(a) Approximately 15 tons of ore were taken right at the surface of the ground, out of the outcrop of the ore body. Four tons were culled out and remain now on the ground on a waste pile. Twelve tons were thus sorted and were shipped to the U.S. Reserve Minerals Corporation, to Boulder, Colorado, in April 1944 and were settled for on a basis of 1.1 % tungsten trioxide (WO3) contained in them.



(c) There are no workings at all.

The sketch profile above shows the program of development which we desire to undertake.

The ore is in a well defined fissure vein cutting through the crystalline schists and gneisses of the pre-Cambrian. The vein on the Jasper Queen claim is only one of quite a number of veins of the same character which have been opened up by shallow shafts of from 10 to 30 feet in depth in an area of a few square miles. These veins vary in width from 2 to 8 feet; they are very nearly vertical. They cut indifferently through the various kinds of rocks which constitute the pre-Cambrian complex. They are found often close to, but not genetically connected with dikes of pegmatite. As a wild guess, not based on any positive proof, I believe these ore bodies to be of the same age as those of the tungsten deposits of Boulder County, Colorado.

Some of the veins have been followed on their outcrops for distances of from a few hundred feet to a maximum distance of 1500 feet. The area is park like, with grama grass covering everything and clusters of pine trees quite numerous.

The gangue of the veins is made of quartz, garnet, epidote and magnesite and in many instances quartz and garnet form most of the gangue and appear to be in nearly equal amounts.

The scheelite is found mostly in crystals disseminated through the gangue and in grains varying from 1/60th of an inch to 1/16th of an inch. Exceptionally masses of scheelite one inch in diameter are found. Occasionally also the scheelite occurs in seams of from 1/16th to a 1/8th of an inch in width and from one to two or three feet in length. However, as only a few pits cutting the ore in the veins at their outcrops have yet been exposed, these remarks are somewhat superficial.

Assays taken on several of these outcrops have varied from 0.01 % to 1.5 % tungsten trioxide, when taken across the widths of the outcrops.

In the special case of the vein on the Jasper Queen claim, for the development of which this application is made, my own opinion is that the shipment of 12 tons recovered from the length of the outcrop of the ore body exposed there gives the best idea of the value of the ore at the present time.

(d) The property is located 26 miles from Cripple Creek, , of which 8 miles are on the State Highway No. 143 and 18 miles on the U.S. Paved highway No. 24 from Colorado Springs to Salida. It is 30 miles from Colorado Springs, the nearest railroad point.

(e) It is expected that miners with their homes in Cripple Creek can drive to their work on this property in less than 40 minutes. Cripple Creek has available all normal mining supplies. There is no water and no power available on the property. The water will require the erecting of a water tank and the water will have to be brought from Lake George, four miles away. For power it will be necessary to use Diesel engines.

5. The exploration project.

(a) The mineral is scheelite, a calcium tungstate, ore of tungsten.

(b) At the start of operations, we propose to erect a building with a hoist and compressor room, a blacksmith's shop and an office. It will be located west of the vein. The ore bins will be located east of the vein.

The proposed exploration work will consist of three sections:

1- We propose to sink five shallow pits , 30 feet apart, south of the place where the portal of the adit tunnel will be located, in order to determine the extension southwards of the ore body under the present cover of wash and grama grass. We expect to find the bedrock at depths of lessthan 10 feet in every one of these pits.

2- We propose to drive an adit tunnel starting at the lower point of exposure of the outcrop of the ore body and to drive on the vein northwards a distance of 300 feet. At a point 160 feet from the portal of the tunnel a raise will be driven to the surface a distance of approximately 65 feet, (see sketch on preceding page). As the walls of the vein are made of pre-Cambrian gneisses, they will be very strong and stand up. We hope that it will be possible to mine the vein above the adit tunnel by the "glory-hole" method. The ore will be drawn out of a chute at the bottom of the raise and trammed through the adit tunnel to the ore bins.

3- We plan to sink a vertical shaft, 4½ x 9 feet in the clear, with two compartments to a depth of 115 feet. At a depth of 100 feet a station will be cut and a crosscut driven from it to the vein; then drifts on the vein driven north and south. (See map on the preceding page).

(c) The work will start within 15 days and be completed within approximately three months from the date of an exploration project contract.

(d) The work will be under the management of Etienne A. Jitter. He is a registered Mining engineer of the State of Colorado and a member of the American Institute of Mining and Metallurgical Engineers. For the last thirty years he has had his own office in the Empire Building, Denver, Colorado and during that time has been connected as an engineer with mining operations in Teller, Gilpin, San Juan, Park and Gunnison Counties, Colorado.

5- Estimates of costs.

(a) No independent contract.

THE WILFLEY GROUP

AMEA-2941

(b) Salary of a manager ($ 500 per month and of a mine foreman (4 350 per month. Hoist men, miners as drillers and machers will be paid $ 16 per shift of 8 hours for 40 hours (5 days) and half-time over time for 1 shift (6th day) No work on Sundays.

Estimated costs of the contemplated work:

Sinking 5 test pits	$ 500		
Driving 300 feet of the adit tunnel ($ 20 per foot	6,000		
Raising 65 feet	600		
Sinking 115 feet of shaft ($ 70 per foot	8,050		
Cutting a station at the 100 foot level	250		
Crosscutting 10 feet and drifting 500 feet ($ 20 per foot	8,200		
Total			$ 21,600
(c) A water tank will be built on the ground			800
The water will be hauled from Lake George, by contract, if possible. The power will be by Diesel engines, coupled with the air compressor, the hoist, etc...			
(d) A hoist with rope and bucket	3,500		
An air compressor	4,500		
Air tank	800		
Machine drills and steel	2,000		
Mine cars	600		
Rails and ties	500		
Material for the blacksmith's shop and small tools	500		
Total			$ 11,800

(e) No rehabilitation and repairs

(f) Building for the hoist and air compressor blacksmith's shop and office

Lumber	$ 460		
Windows, doors, elastomite and heavy paper rolls	240		
Supplies for the office, chairs, desk	80		
Supplies for the blacksmith's shop	60		
		$ 840	
Labor		1,100	
Gallows frame lumber	100		
Iron rods	40		
Labor	340		
		500	3,440
Total			$ 36,040

Reported from preceding page		Total		$ 36,040
(a) Continued				
Ore sorting chamber				
Lumber		$ 130		
Conveyor belt		450		
Labor		220		
			$ 800	
Ore bins				
Material		900		
Labor		1,200		
	Total		2,100	
	Total			8,000
(c) None				
(b) Contingencies				1,060
		Total		$ 40,000

We do not know if we have given sufficient information in detail regarding the cost of material to be purchased. We know that when we have the cash in hand and are ready to pay for the machinery, we can buy some excellent machinery second hand at figures which we cannot furnish in this estimate.

We are prepared to submit when the time comes all estimates and bills for machinery for the approval of each separate item by the Supervisor Engineer of the Bureau of Mines in charge of supervising our operation, before making any purchase.

7 Are you prepared to furnish your share of the cost

(a) We are prepared to furnish 35 % of the share of the cost according to the regulations on Government participation (Sec. 7 B.M.A No. 1
(b) We propose to furnish our share with cash in the bank

402

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

224 New Customhouse
Denver 2, Colorado

June 29, 1953.

Memorandum

To: Secretary to the Operating Committee, Defense Minerals Exploration Administration

From: Field Team, Region IV

Subject: Final Report, DMEA Docket 2941 (Tungsten), Consolidated Tungsten Corporation, Jasper Queen Lode, Park County, Colorado.

Enclosed are the original and three copies of the report pertaining to the above application.

The applicant requested $40,000.00 to explore for scheelite on a property where previous exploration has proven the ore shoots to be short, narrow and of very limited depth.

The field examiner concludes that the discovery of significant amounts of scheelite ore from the small low grade ore bodies on the Jasper Queen claim appears improbable and he recommends that exploration aid be denied.

We concur in this recommendation.

W. H. King
W. H. King

A. H. Koschmann
A. H. Koschmann

W.H.K.

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
7-6-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
200 New Customhouse
Denver 2, Colorado

June 18, 1953

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 294[illegible], Consolidated Tungsten Corporation, Jasper Queen Lode, Park County, Colorado.

Attached are 6 copies of the geological report by E. N. Hershman covering DMEA Docket 294[illegible], Consolidated Tungsten Corporation, Jasper Queen Lode, Park County, Colorado.

The applicant proposes to explore for tungsten ore (scheelite) by means of 5 shallow pits, a 300-foot drift on the adit level, a 65-foot raise, a [illegible]5-foot shaft, and about 300 feet of crosscut and drift from the bottom of the shaft, at an estimated cost of $40,000.

Previous exploration by the Hayden Mining Company has proven the ore shoots to be short, narrow, and of very limited depth. Hershman concludes that discovery of a significant scheelite ore body on subject property is improbable and recommends that a loan be denied.

I concur in this recommendation.

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

Enclosures (6)

Reviewed by
DMEA OPERATING COMMITTEE
7-6-53
(date)

CONSOLIDATED TUNGSTEN CORPORATION

JASPER QUEEN LODE

PARK COUNTY, COLORADO

DMEA DOCKET 2941

Geologic Report

By E. N. Harshman
U. S. Geological Survey

Reviewed by
DMEA OPERATING COMMITTEE

7-6-53
(date)

JASPER QUEEN LODE
PARK COUNTY, COLORADO

INTRODUCTION

The Consolidated Tungsten Corporation, 604 Empire Building, Denver 2, Colorado, has applied for Government assistance, DMEA Docket 2941, to explore for scheelite on the Jasper Queen Lode claim (U. S. Min. Surv. 17281), Tarryall Springs mining district, Park County, Colorado. They propose to explore the deposit by means of 5 shallow pits, a 300 foot adit-level drift, a 65 foot raise, a 113 foot 2 compartment shaft, and about 300 feet of drift and crosscut from the bottom of the shaft. The applicant estimates the cost of the exploration to be $40,000.

The property is located in T. 12 S., R. 72 W., 6th P. M. The southern end of the Jasper Queen Lode claim is crossed by U. S. Highway 24 at a point about 4.6 miles west of Lake George or 43.7 miles west of Colorado Springs, Colorado.

Ogden Tweto, U. S. Geological Survey, examined the area in 1944 and prepared a preliminary report on the scheelite deposits of the Tarryall Springs mining district (dated January 24, 1944). At the time of Mr. Tweto's examination, the Hayden Mining Company was actively exploring the scheelite deposits, but had done little or no work on the Jasper Queen Lode claim. The applicant's description of the deposits, particularly in regard to the presence of strong fissure veins, did not agree with the descriptions of prior workers in the area, and in discussions with Tweto it was concluded that a brief geologic examination should be made before action was taken on the application for exploration assistance.

The property was examined on May 1, 1953, in company with Mr. Etienne A. Ritter, President, Consolidated Tungsten Corporation.

GEOLOGY

The geology of the area is essentially as described in a preliminary report by Tweto (1944). Scheelite occurs as scattered grains, minute flakes, and occasional large crystals, disseminated in the lime-silicate members of 3 narrow belts of pre-Cambrian schist and gneiss. These belts are found along the western margin of the pre-Cambrian Pikes Peak batholith and are separated by bands of this intrusive 1 to 2 miles wide.

The deposits to be explored by the applicant are in the most easterly or Firefly belt. This belt is several hundred feet wide and on the Jasper Queen Lode claim strikes N. 15° W. North of this claim, Tweto reports a strike of N. 35° E. Micaceous schist and hornblende or diopside gneiss are the predominant rock types. Scheelite is, for all practical purposes, limited to a 25 to 100 foot wide zone of lime-silicate gneiss present near the western boundary of the Firefly belt.

The lime-silicate rock occurs in irregular masses or small lenses which pinch out abruptly or terminate against pegmatite dikes. The strike length of these rock bodies rarely exceeds 40 to 50 feet. The lime-silicate rock may be composed largely of garnet, of epidote or of vesuvianite, but generally it contains all three minerals.

SCHEELITE DEPOSITS

Scheelite, very small amounts of copper sulfides, copper carbonates, and molybdenite occur as scattered grains and fine flakes in the lime-silicate rocks. According to Tweto, most of the scheelite contains some

powellite. In the vicinity of the Jasper Queen Lode claim, the powellite ($CaMoO_4$) content of the ore is 1 to 2 percent.

The scheelite ore bodies are short, narrow, and low grade. The largest ore shoots found in the Firefly belt have been 15 to 20 feet long, 10 to 12 feet wide, and 5 to 10 feet deep. The results of assays by the U. S. Bureau of Mines on 6 Geological Survey samples taken from pits on the Jasper Queen Lode claim (fig. 1) follow:

Sample No.	Description and Width	% WO_3
E.H. 1	4' of lime-silicate rock, high garnet content	0.06
E.H. 2	3' of gray pegmatite and bull quartz	<0.01
E.H. 3	3' of lime-silicate rock	<0.01
E.H. 4	4' of schist and lime-silicate rock	0.06
E.H. 5	6' of lime-silicate rock and gneiss	<0.01
E.H. 6	2' of lime-silicate rock, high garnet content	<0.01

The material sampled undoubtedly represents lime-silicate rock of low scheelite content since the high grade material found during prospecting and limited mining operations was hand sorted and shipped by the Hayden Mining Company to the Boulder stockpile of the M. R. C. Tweto reports the results of 2 shipments of ore taken from the Jasper Queen Lode claim and from the adjoining claims to the north as follows:

Weight of shipment	% WO_3
3,700 lbs.	1.30
28,000 lbs.	0.62

CONCLUSIONS AND RECOMMENDATIONS

The scheelite deposits on the Jasper Queen Lode claim resulted from weak mineralization of lime-silicate lenses and irregular masses in a band of metamorphic rocks lying on the western flank of the Pikes Peak granite

batholith, and not from deposition along true fissure veins. Exploration by the Hayden Mining Company has proven the ore shoots to be short, narrow, and of very limited depth. Assays of samples collected during this examination and of 2 shipments of hand sorted ore indicate a WO_3 content, in the better ore bodies, of about 1 percent.

The production of significant amounts of scheelite ore from the small, low grade ore bodies on the Jasper Queen Lode claim appears improbable, and it is recommended that the application for Government exploration assistance be denied.

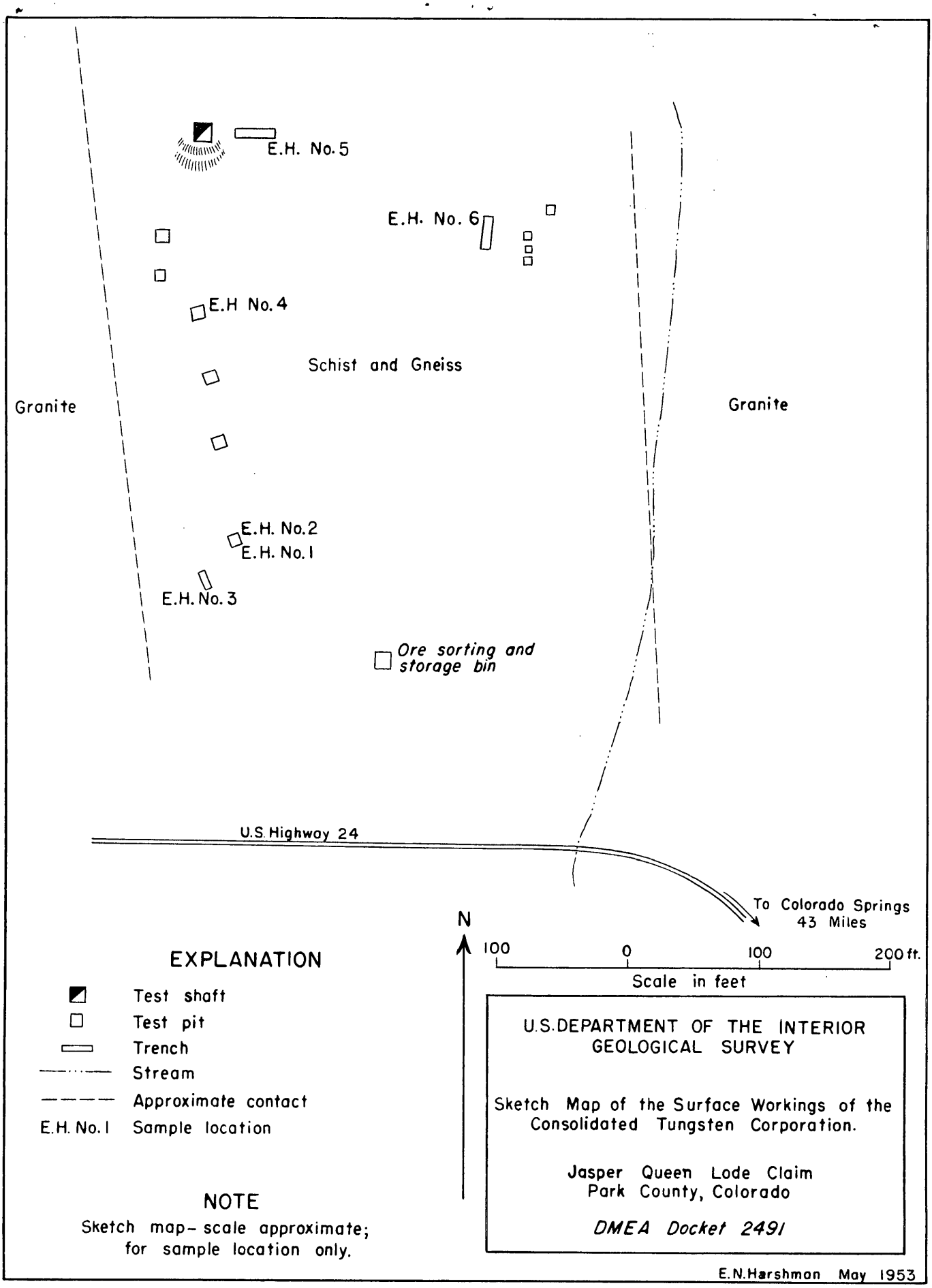

E.H. No. 5
E.H. No. 6
E.H No. 4
Schist and Gneiss
Granite
Granite
E.H. No. 2
E.H. No. 1
E.H. No. 3
Ore sorting and storage bin
U.S. Highway 24
To Colorado Springs 43 Miles
N
100
0
100
200 ft.
Scale in feet
EXPLANATION
Test shaft
Test pit
Trench
Stream
Approximate contact
E.H. No. 1 Sample location
NOTE
Sketch map- scale approximate; for sample location only.
U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Sketch Map of the Surface Workings of the Consolidated Tungsten Corporation.
Jasper Queen Lode Claim
Park County, Colorado
DMEA Docket 2491
E.N. Harshman May 1953

FIGURE 1

FILE COPY
Surname:

Denial

Rutledge
Martin
Lyman
Larrabee
Rodgers
Selfridge
Johnson

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY
WASHINGTON 25, D. C.

Mr. Etienne A. Ritter
Consolidated Tungsten Corporation
604 Empire Building
Denver 2, Colorado

Re: Docket No. DMEA 2941 - Tungsten
Consolidated Tungsten Corp.
Jasper Queen Claim
Park County, Colorado

Dear Mr. Ritter:

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 a small amount of tungsten mineralization on the Jasper Queen claim, indicates to us that the probability of disclosing minable ore reserves of tungsten by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application is denied.

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

Sincerely yours,

C. O. Mittendorf

Administrator

MDL
7-29-53

FARutledge/jh--7/20/53
cc. to: Docket
Oper. Comm.
Adm. Reading File
Code 400 (2)
Messrs. D. M. Lemmon, USGS
R. W. Geehan, USBM
DMEA Field Team, Region IV, (2)

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

970

July 20, 1953

Memorandum

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of exploration project in the amount of $40,000.00.
Docket No. DMEA 2941 - Tungsten
Consolidated Tungsten Corporation
Jasper Queen claim
Park County, Colorado

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

1. The applicant requested $40,000.00 to explore for scheelite on a property where previous exploration has proven the ore shoots to be short, narrow, and of very limited depth.

2. Scheelite occurs as scattered grains, minute flakes, and occasional large crystals, disseminated in the lime-silicate members of the Firefly belt of pre-Cambrian schist and gneiss at the Jasper Queen lode. Scheelite is, for all practical purposes, limited to a 25 to 100 foot wide zone of lime-silicate gneiss present near the western boundary of the Firefly belt.

The lime-silicate rock occurs in irregular masses or small lenses which pinch out abruptly or terminate against pegmatite dikes.

3. The Hayden Mining Company explored the scheelite deposits in 1944 and made two shipments of ore from the Jasper Queen claim and the adjoining claims to the north as follows:

3,700 pounds	1.30 percent WO_3
28,000 pounds	0.62 percent WO_3
Avg.	0.69 percent WO_3

4. The scheelite ore bodies are short, narrow, and low grade. The largest ore shoots found in the Firefly belt have been 15 to 20 feet long, 10 to 12 feet wide, and 5 to 10 feet deep.

Four of the six samples taken by the field team contained less than 0.01 percent WO_3 and the other two contained 0.06 percent WO_3. The material sampled undoubtedly represents lime-silicate

rock of low scheelite content since the high grade material found during exploration was hand sorted and shipped to the Boulder stockpile of the M.R.C.

5. The examining Field Team concludes that the discovery of a significant scheelite ore body on the subject property is improbable and recommends denial.

6. The Field Team recommends denial.

7. The Commodity Divisions of the Geological Survey and Bureau of Mines concur with the denial.

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

Docket

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

224 New Customhouse
Denver 2, Colorado

June 29, 1953.

Memorandum

To: Secretary to the Operating Committee, Defense Minerals Exploration Administration

From: Field Team, Region IV

Subject: Final Report, DMEA Docket 2941 (Tungsten), Consolidated Tungsten Corporation, Jasper Queen Lode, Park County, Colorado.

Enclosed are the original and three copies of the report pertaining to the above application.

The applicant requested $40,000.00 to explore for scheelite on a property where previous exploration has proven the ore shoots to be short, narrow and of very limited depth.

The field examiner concludes that the discovery of significant amounts of scheelite ore from the small low grade ore bodies on the Jasper Queen claim appears improbable and he recommends that exploration aid be denied.

We concur in this recommendation.

W. H. King
W. H. King

A. H. Koschmann
A. H. Koschmann

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE

7-6-53
(date)

Thru D.C. 7-6-53

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
200 New Customhouse
Denver 2, Colorado

June 18, 1953

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 2941, Consolidated Tungsten Corporation, Jasper Queen Lode, Park County, Colorado.

Attached are 8 copies of the geological report by E. N. Harshman covering DMEA Docket 2941, Consolidated Tungsten Corporation, Jasper Queen Lode, Park County, Colorado.

The applicant proposes to explore for tungsten ore (scheelite) by means of 5 shallow pits, a 300-foot drift on the adit level, a 65-foot raise, a 115-foot shaft, and about 300 feet of crosscut and drift from the bottom of the shaft, at an estimated cost of $40,000.

Previous exploration by the Hayden Mining Company has proven the ore shoots to be short, narrow, and of very limited depth. Harshman concludes that discovery of a significant scheelite ore body on subject property is improbable and recommends that a loan be denied.

I concur in this recommendation.

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

Enclosures (8)

Reviewed by
DMEA OPERATING COMMITTEE
7-6-53
(date)

Thru DC 7-6-53

Bcl
7/23/53

CONSOLIDATED TUNGSTEN CORPORATION

JASPER QUEEN LODE

PARK COUNTY, COLORADO

DMEA DOCKET 2941

Geologic Report

By E. N. Harshman
U. S. Geological Survey

Reviewed by
DMEA OPERATING COMMITTEE
7-6-53
(date)

JASPER QUEEN LODE
PARK COUNTY, COLORADO

INTRODUCTION

The Consolidated Tungsten Corporation, 604 Empire Building, Denver 2, Colorado, has applied for Government assistance, DMEA Docket 2941, to explore for scheelite on the Jasper Queen Lode claim (U. S. Min. Surv. 17281), Tarryall Springs mining district, Park County, Colorado. They propose to explore the deposit by means of 5 shallow pits, a 300 foot adit-level drift, a 65 foot raise, a 115 foot 2 compartment shaft, and about 300 feet of drift and crosscut from the bottom of the shaft. The applicant estimates the cost of the exploration to be $40,000.

The property is located in T. 12 S., R. 72 W., 6th P. M. The southern end of the Jasper Queen Lode claim is crossed by U. S. Highway 24 at a point about 4.6 miles west of Lake George or 43.7 miles west of Colorado Springs, Colorado.

Ogden Tweto, U. S. Geological Survey, examined the area in 1944 and prepared a preliminary report on the scheelite deposits of the Tarryall Springs mining district (dated January 24, 1944). At the time of Mr. Tweto's examination, the Hayden Mining Company was actively exploring the scheelite deposits, but had done little or no work on the Jasper Queen Lode claim. The applicant's description of the deposits, particularly in regard to the presence of strong fissure veins, did not agree with the descriptions of prior workers in the area, and in discussions with Tweto it was concluded that a brief geologic examination should be made before action was taken on the application for exploration assistance.

The property was examined on May 1, 1953, in company with Mr. Etienne A. Ritter, President, Consolidated Tungsten Corporation.

GEOLOGY

The geology of the area is essentially as described in a preliminary report by Tweto (1944). Scheelite occurs as scattered grains, minute flakes, and occasional large crystals, disseminated in the lime-silicate members of 3 narrow belts of pre-Cambrian schist and gneiss. These belts are found along the western margin of the pre-Cambrian Pikes Peak batholith and are separated by bands of this intrusive 1 to 2 miles wide.

The deposits to be explored by the applicant are in the most easterly or Firefly belt. This belt is several hundred feet wide and on the Jasper Queen Lode claim strikes N. 15° W. North of this claim, Tweto reports a strike of N. 35° E. Micaceous schist and hornblende or diopside gneiss are the predominant rock types. Scheelite is, for all practical purposes, limited to a 25 to 100 foot wide zone of lime-silicate gneiss present near the western boundary of the Firefly belt.

The lime-silicate rock occurs in irregular masses or small lenses which pinch out abruptly or terminate against pegmatite dikes. The strike length of these rock bodies rarely exceeds 40 to 50 feet. The lime-silicate rock may be composed largely of garnet, of epidote or of vesuvianite, but generally it contains all three minerals.

SCHEELITE DEPOSITS

Scheelite, very small amounts of copper sulfides, copper carbonates, and molybdenite occur as scattered grains and fine flakes in the lime-silicate rocks. According to Tweto, most of the scheelite contains some

? ($Ca[Mo,W]O_4$)

powellite. In the vicinity of the Jasper Queen Lode claim, the powellite ($CaMoO_4$) content of the ore is 1 to 2 percent.

The scheelite ore bodies are short, narrow, and low grade. The largest ore shoots found in the Firefly belt have been 15 to 20 feet long, 10 to 12 feet wide, and 5 to 10 feet deep. The results of assays by the U. S. Bureau of Mines on 6 Geological Survey samples taken from pits on the Jasper Queen Lode claim (fig. 1) follow:

Sample No.	Description and Width	% WO_3
E.H. 1	4' of lime-silicate rock, high garnet content	0.06
E.H. 2	3' of gray pegmatite and bull quartz	<0.01
E.H. 3	3' of lime-silicate rock	<0.01
E.H. 4	4' of schist and lime-silicate rock	0.06
E.H. 5	6' of lime-silicate rock and gneiss	<0.01
E.H. 6	2' of lime-silicate rock, high garnet content	<0.01

The material sampled undoubtedly represents lime-silicate rock of low scheelite content since the high grade material found during prospecting and limited mining operations was hand sorted and shipped by the Hayden Mining Company to the Boulder stockpile of the M. R. C. Tweto reports the results of 2 shipments of ore taken from the Jasper Queen Lode claim and from the adjoining claims to the north as follows:

Weight of shipment	% WO_3
3,700 lbs.	1.30
28,000 lbs.	0.62

} .69

CONCLUSIONS AND RECOMMENDATIONS

The scheelite deposits on the Jasper Queen Lode claim resulted from weak mineralization of lime-silicate lenses and irregular masses in a band of metamorphic rocks lying on the western flank of the Pikes Peak granite

batholith, and not from deposition along true fissure veins. Exploration by the Hayden Mining Company has proven the ore shoots to be short, narrow, and of very limited depth. Assays of samples collected during this examination and of 2 shipments of hand sorted ore indicate a WO_3 content, in the better ore bodies, of about 1 percent. (?) Av of shipments 0.69% WO_3

The production of significant amounts of scheelite ore from the small, low grade ore bodies on the Jasper Queen Lode claim appears improbable, and it is recommended that the application for Government exploration assistance be denied.

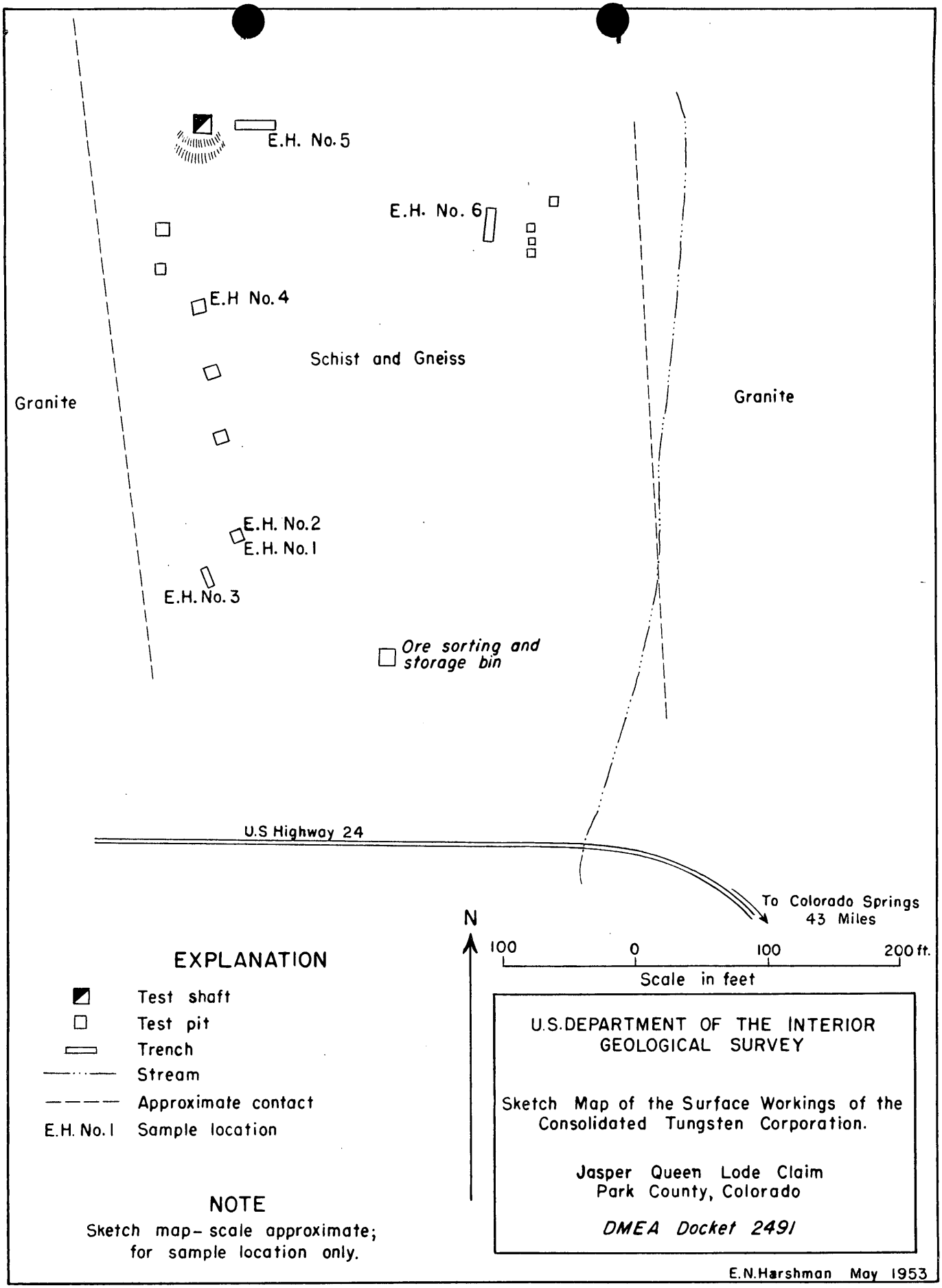

E.H. No. 5
E.H. No. 6
E.H No. 4
Schist and Gneiss
Granite
Granite
E.H. No. 2
E.H. No. 1
E.H. No. 3
Ore sorting and storage bin
U.S Highway 24
To Colorado Springs 43 Miles
N
100 0 100 200 ft.
Scale in feet
EXPLANATION
Test shaft
Test pit
Trench
Stream
Approximate contact
E.H. No. 1 Sample location
NOTE
Sketch map- scale approximate; for sample location only.
U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Sketch Map of the Surface Workings of the Consolidated Tungsten Corporation.
Jasper Queen Lode Claim
Park County, Colorado
DMEA Docket 2491
E.N.Harshman May 1953

FIGURE 1

400

FILE COPY
SURNAME:

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

Rutledge
Martin
Geehan
Fedors
Lindahl
Rutledge
Fitzhugh

MAR 30 1953

Mr. Etienne A. Ritter
Consolidated Tungsten Corporation
604 Empire Building
Denver 2, Colorado

Re: Docket No. DMEA 2941 - Tungsten
Consolidated Tungsten Corp.
Jasper Queen Claim
Park County, Colorado

Dear Mr. Ritter:

J. C. 3/30/53

Your application for assistance in exploring tungsten occurrences on the Jasper Queen claim, Terryall Springs district, Park County, Colorado, has been reviewed by the Iron and Ferro-Alloys Division, Defense Minerals Exploration Administration, and has been referred to Mr. W. H. King, Executive Officer, DMEA Field Team, Region IV, 224 New Customhouse Building, Denver 2, Colorado, for further consideration and possibly a field examination.

Should a field examination be required, any assistance that you can render the examining engineers will be appreciated.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

cc: DOCKET
FIELD TEAM, REG. 4
ADMN. READ. FILE
OP. CONT.
CODE 400
D. M. LEMMON, USGS
R. W. GEHMAN, USBM

FARutledge/ls
3/25/53

FILE COPY
400 SURNAME:

Rutledge
Martin
Gahan
Selfridge
Johnson

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

Mr. W. H. King, Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

MAR 30 1953

Re: Docket No. DMEA 2941 - Tungsten
Consolidated Tungsten Corporation
Jasper Queen Claim
Park County, Colorado

Dear Mr. King:

J.C. 3/30/53

Reference is made to the subject application for exploration assistance which is being referred to your office for review and possibly a field examination. If the Field Team should decide that an examination is warranted, it is suggested that sufficient samples be taken to indicate the relative value of the occurrences.

In reviewing the application, it was noted that neither the property nor the tungsten occurrence is adequately described therein, and the proposed program is labeled "development".

A memorandum by D. M. Lemmon, U. S. Geological Survey, has been prepared and is enclosed for your information.

Sincerely yours,

George C. Selfridge

(JB)

Chairman, Operating Committee

Enclosure

FARutledge/ls 3/25/53

APPROVED:

J. H. Hodges (JB)

Member, Bureau of Mines

A. R. Kinkel, Jr. (JB)

Member, Geological Survey

cc: DOCKET
FT, REG. IV
OP. COM.
CODE 400
ADMN. READ. FILE
D. M. LEMMON, USGS
R. W. GEEHAN, USBM

Forked

IN REPLY REFER TO:

G-MD-CF

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

March 24, 1953

Memorandum

To: W. S. Martin, DMEA

From: D. M. Lemmon, USGS

W5M

Subject: Exploration application $40,000 DMEA-2941
Consolidated Tungsten Corporation Tungsten
604 Empire Building
Denver 2, Colorado

Property

Jasper Queen Lode
T. 12 S., R. 72 W.
Tarryall Springs district
Park County, Colorado

Proposal

1) Five shallow pits to trace vein beneath cover.
2) An adit 300 feet long with a 65-foot raise.
3) A vertical shaft 115 feet deep and 300 feet of drift on the 100 level.

Geology

The applicant states that scheelite occurs in a "well defined fissure vein" in pre-Cambrian schist, gneiss and pegmatite. No geologic or assay map is submitted.

According to a memorandum report by Ogden Tweto of the Geological Survey, dated January 24, 1944, this claim and others in the vicinity were extensively prospected in 1943-44 by the Hayden Mining Company. According to Tweto's report, "The Hayden Mining Company has been working in the Tarryall Springs district for 3 or 4 months and has dug holes on all of the best scheelite showings except 2 or 3 at the southwest end of the Firefly belt, where it is working at present. This work has shown that the individual ore bodies are very small and that the grade is rather low. . . . . Of some 25 "good showings" prospected by the Hayden Mining Company, the greatest length found is 15 or 20 feet, and the greatest depth

Copy retained 400

is 5 feet. One or more of 3 things happens to the ore in every hole: (1) the scheelite-bearing lime-silicate rock cuts off against pegmatite, (2) the lime-silicate rock lenses out, and (3) the scheelite mineralization dies out in going away from the gray pegmatite".

It appears that the scheelite deposits are in lime-silicate replacements of limey beds, not in quartz fissure veins, and that no continuity of ore is expectable.

An application for exploration of the nearby Round Mountain prospects was denied in 1951 after an examination by C. M. Harrer of the Bureau of Mines (May 7, 1951).

Recommendation

I suggest that the application be referred to the Field Team for recommendation and field examination, if the Field Team considers it necessary. The information available in our files and in the application suggests that the proposal should be denied.

D M Lemmon

D. M. Lemmon

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

March 24, 1953

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

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

DMEA - 2941 Consolidated Tungsten Corporation

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

33980

March 24, 1953

Mr. Etienne A. Ritter
Consolidated Tungsten Corp.
604 Empire Building
Denver 2, Colorado

Subject: DMEA-2941
Re: Exploration Assistance
Jasper Queen Lode

My dear Mr. Ritter:

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

Your application has been assigned Docket Number DMEA-2941 and referred to the Iron and Ferro-Alloys Division.

Kindly refer to DMEA-2941 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

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

224 New Customhouse
Denver 2, Colorado

March 17, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 20 1953

Memorandum

To: Secretary to the Operating Committee, Defense Minerals Exploration Administration

From: Field Team, Region IV

Subject: (Tungsten), Application of Consolidated Tungsten Corporation, Jasper Queen Lode, Park County, Colorado

Enclosed are three copies of an application of the Consolidated Tungsten Corporation for DMEA aid in the amount of $40,000.00.

One copy of this application is being retained in this office.

W. H. King
W. H. King

A. H. Koschmann
A. H. Koschmann

Enclosure

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
MINERALS
RECEIVED
MAR 23 1953

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. DMEA-294
Metal or Mineral
Date Received 3-23-53
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Consolidated Tungsten Corporation (created under the laws of the State of ~~Colorado~~ Nevada)
604 Empire Building, Denver 2, Colorado

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Seven patented lode mining claims (See detailed information attached)

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise A Lease with option to purchase (see information attached)

(*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

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

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

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

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

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

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

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

_____

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

(*c*) The work will start within 15 days and be completed within 3 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

(*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 February 24, 1953

Consolidated Tungsten Corporation
(Applicant)

By Etienne A. Ritter, President

Etienne A Ritter

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

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Not to be filed by applicant
Docket No. _____
Metal or Mineral _____
Date received _____
Estimated Cost _____
Participation (Government) %

INSTRUCTIONS

1 Name of applicant.-
(a) Consolidated Tungsten Corporation (To be incorporated under the laws of Nevada
(b) V.President, K. Richard Sturm, Twin Lakes, Colorado; Vice-President, Etienne A. Ritter, 604 Empire Building, Denver 2, Colorado; Secretary-Treasurer C. George Swallow, 3532 Monroe Street, Denver, Colorado, Directors Ed. Saunders, P.O. Box 191, Buena Vista, Colorado, H.A. Hershfield, 125 E. Las Cruces, New Mexico.

3. Applicants property rights.
(a) A Lease and Option to Purchase, copy given under letter (d)
(b) The claim on which the work will be done will be the Jasper Queen Lode, U.S. Min. Surv. 17281, locatdd in T. 12 S., R. 72 W., in Park County, Colorado.
(c) Copy of the Lease and Option to Purchase:
(d).This agreement of Lease and Option to purchase entered into this 15th day of october A.D. 1952, by and between R.D. Wilfley and Amy F. Wilfley, of the City of Colorado Springs, County of El Paso, parties of the first part, hereinafter called "LESSOR" and Etienne A. Ritter, of the City and County of Denver, Colorado, party of the second part, hereinafter called "LESSEE", WITNESSETH:

That Lessor, in consideration of ten dollars ($ 10.00) in hand paid, receipt of which is hereby acknowledged and of the agreements herain expressed, to be paid, kept and performed by Lessee, has let, demised and leased unto said Lessee the following described lands and Lode Mining Claims, to wit:

Big C Lode	U.S. Mineral Survey No.	16580
North Star No. 1 Lode	" "	16580
Big C. No. 3 Lode	" "	18970
Big C. No. 4 Lode	" "	18970
North Star No.2 Lode	" "	18970
Jasper Queen Lode	" "	17281
Copper King Lode	" "	15816

[illegible] THE [illegible] RIGHT TO PURCHASE THE ABOVE MENTIONED LODE MINING CLAIMS ON THE [illegible] AND CONDITIONS:

The price of the property is Fifteen thousand ($ 15,000.00) dollars, to be paid as follows: One thousand ($1,000.00) dollars to be paid on or before October 15, 1952; Five thousand dollars ($ 5,000.00) to be paid on or before October 15, 1954 and Eight thousand ($ 8,000.00) to be paid on or before October 15, 1955, when a Deed free and clear of all encumbrances will be given to Lessee.

A royalty of ten percent (10%) is to be paid by Lessee on all ores or concentrates made from ores shipped and sold from the above mentioned Lode Mining Claims and the royalty is to apply on the purchase price of said Lode Mining Claims.

1- Lessor is the owner of a Tax Deed from the County Treasurer of Park County, Colorado, to the above described Lode Mining Claims. Lessor agrees to take immediate steps and to carry them with the utmost diligence in order to obtain a Court's Decree to Quiet Title to those Lode Mining Claims, as soon as possible and, upon certification by the law firm of Snyder and Willis that title has been quieted, an additional $ 1,000.00 shall become due and payable.

2- Lessee agrees to start work within one hundred and twenty (120) days from the date of this Lease, provided a Court's Decree has been issued before that date, or to start work within thirty (30) days after a Court's Decree has been issued and he has received notice of it.

3- Lessee agrees to carry compensation insurance; he agrees to post in a conspicuous place a notice notifying that Lessor is not responsible for any expenditures incurred for material or work done on the above described premises.

4- Lessee agrees to comply with all the rules and regulations from the United States and from the State of Colorado governing mining operations.

5- Lessee agrees to allow Lessor or his representative to inspect the work done by Lessee at all reasonable hours.

6- It is mutually understood and agreed that all taxes levied upon the output of the mines mined on said demised premises shall be paid by the respective parties hereto in proportion to the sale returns respectively received by them.

7- In the event Lessee fails to pay the above mentioned royalty or to keep and fulfill any and all of the agreements herein expressed or implied, Lessor shall notify Lessee in writing of such default and in the event that Lessee fails to remedy such default

within thirty (30) days, then, in that event, it shall be lawful for Lessor, his agent or attorney to declare this Lease void and of no effect and without or with process of law, to enter and take possession of the above described Lode Mining Claims and premises.

8- At the termination of this Lease, whether voluntarily or by forfeiture, Lessee shall have thirty (30) days to remove any machinery or personal property placed by him on these Leased Lode Mining Claims and premises.

9- The privilege of assignment of this Lease and Option to Purchase to individuals or to a Corporation is acknowledged by Lessor and the terms contained therein are binding on the assignees, heirs, executors and administrators of both parties.

IN TESTIMONY WHEREOF, witness the hands and seals of both parties this 15th day of October A.D. 1952.

(Signed) R.D. Willley, Amy F. Willley , Parties of the First Part
(Signed) Etienne A. Ritter Party of the Second Part

October 15, 1952, this Lease and Bond was placed in escrow under Escrow instructions to the Exchange National Bank of Colorado Springs, Colorado.

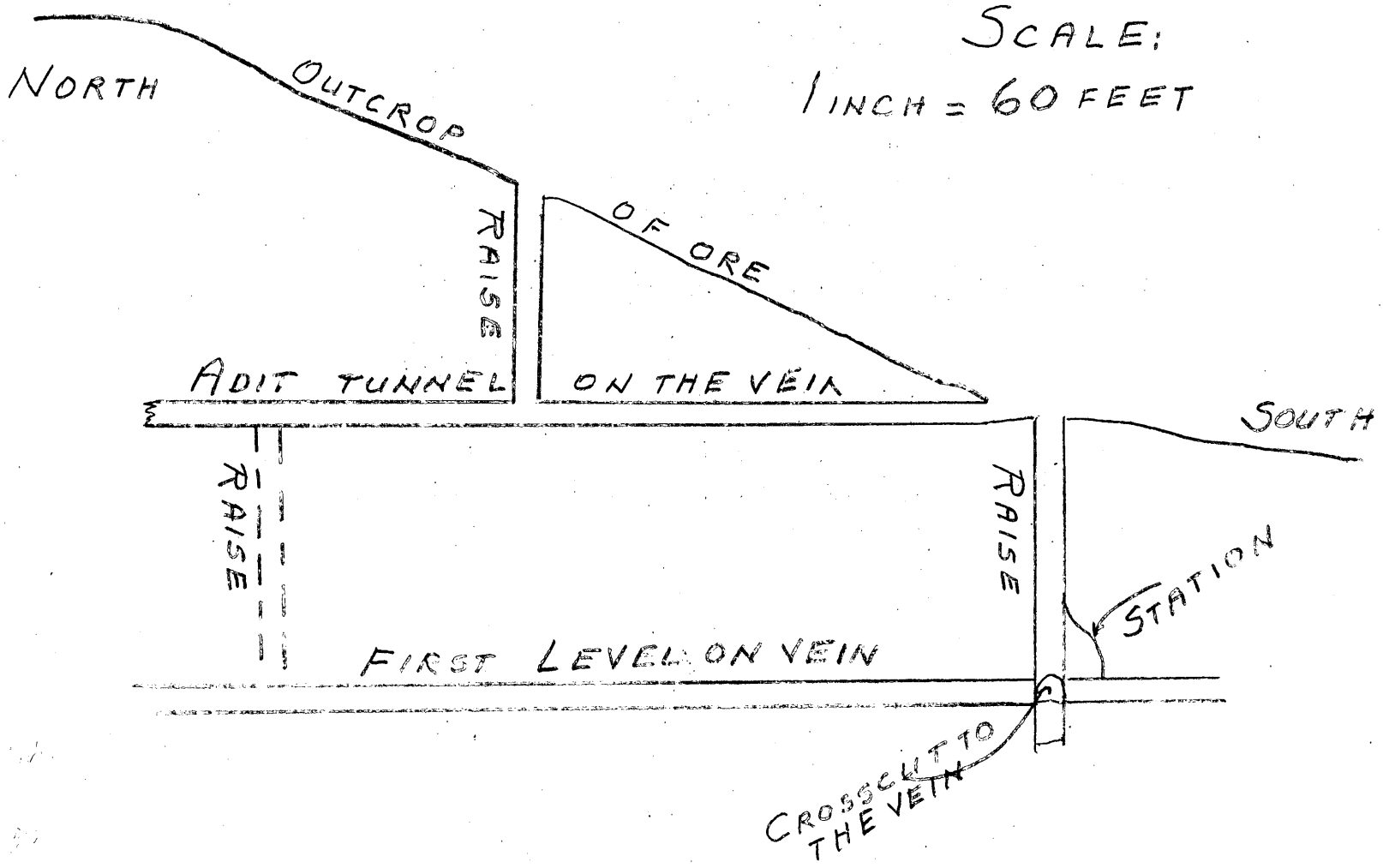
September 12, 1952 Etienne A. Ritter assigned all his title and interest in said Lease and Option to Purchase to Consolidated Tungsten Corporation and notified the Vice-President of the Exchange National Bank of Colorado Springs, in charge of the Escrow agreement of this fact.

4- Physical Description.

(a) No mining or exploration operations are now being conducted upon the land.

There is an ore body in a vein 4 feet wide, which outcrops on the side of a hill for an horizontal distance of 300 feet and a difference in elevation of approximately 140 feet between the lower and the upper end of the outcrop of the ore body.

(b) Approximately 16 tons of ore were taken right at the surface of the ground, out of the outcrop of the ore body. Four tons were culled out and remain now on the ground as a waste pile. Twelve tons were thus sorted and were shipped to the U.S. Reserve Minerals Corporation, to Boulder, Colorado, in April 1944 and were settled for on a basis of 1.1 % tungsten trioxide (WO_3) contained in them.



(c) There are no workings at all.

The sketch profile above shows the program of development which we desire to undertake.

The ore is in a well defined fissure vein cutting through the crystalline schists and gneisses of the pre-Cambrian. The vein on the Jasper Queen claim is only one of quite a number of veins of the same character which have been opened up by shallow shafts of from 10 to 30 feet in depth in an area of a few square miles. These veins vary in width from 2 to 8 feet; they are very nearly vertical. They cut indifferently through the various kinds of rocks which constitute the pre-Cambrian complex. They are found often close to, but not genetically connected with dikes of pegmatite. As a wild guess, not based on any positive proof, I believe these are bodies to be of the same age as those of the tungsten deposits of Boulder County, Colorado.

Some of the veins have been followed on their outcrops for distances of from a few hundred feet to a maximum distance of 1500 feet. The area is park like, with grama grass covering everything and clusters of pine trees quite numerous.

The gangue of the veins is made of quartz, garnet, epidote and magnetite and in many instances quartz and garnet form most of the gangue and appear to be in nearly equal amounts.

The scheelite is found mostly in crystals disseminated through the gangue and in grains varying from 1/60th of an inch to 1/10th of an inch. Exceptionally masses of scheelite one inch in diameter are found. Occasionally also the scheelite occurs in seams of from 1/16th to a 1/8th of an inch in width and from one to two or three feet in length. However, as only a few pits cutting the ore in the veins at their outcrops have yet been exposed, these remarks are somewhat superficial.

location of samples? Assays taken on several of these outcrops have varied from 0.01 % to 1.5 % tungsten trioxide, when taken across the widths of the outcrops.

In the special case of the vein on the Jasper Queen claim, for the development of which this application is made, my own opinion is that the shipment of 12 tons recovered from the length of the outcrop of the ore body exposed there gives the best idea of the value of the ore at the present time.

(d) The property is located 26 miles from Cripple Creek, , of which 8 miles are on the State Highway No. 143 and 18 miles on the U.S. Paved highway No. 24 from Colorado Springs to Salida. It is 30 miles from Colorado Springs, the nearest railroad point.

(e) It is expected that miners with their homes in Cripple Creek can drive to their work on this property in less than 40 minutes. Cripple Creek has available all normal mining supplies. There is no water and no power available on the property. The water will require the erecting of a water tank and the water will have to be brought from Lake George, four miles away. For power it will be necessary to use Diesel engines.

5. The exploration project.

(a) The mineral is scheelite, a calcium tungstate, ore of tungsten.

(b) At the start of operations, we propose to erect a building with a hoist and compressor room, a blacksmith's shop and an office. It will be located west of the vein. The ore bins will be located east of the vein.

The proposed exploration work will consist of three sections:

1- We propose to sink five shallow pits , 30 feet apart, south of the place where the portal of the adit tunnel will be located, in order to determine the extension southwards of the ore body under the present cover of wash and gramma grass. We expect to find the bedrock at depths of less than 10 feet in every one of these pits.

2- We propose to drive an adit tunnel starting at the lower point of exposure of the outcrop of the ore body and to drive on the vein northwards a distance of 300 feet. At a point 160 feet from the portal of the tunnel a raise will be driven to the surface a distance of approximately 65 feet, (see sketch on ~~preceding~~ next page). As the walls of the vein are made of pre-Cambrian gneisses, they will be very strong and stand up. We hope that it will be possible to mine the vein above the adit tunnel by the "glory-hole" method. The ore will be drawn out of a chute at the bottom of the raise and tramned through the adit tunnel to the ore bins.

3- We plan to sink a vertical shaft, 4½ x 9 feet in the clear, with two compartments to a depth of 115 feet. At a depth of 100 feet a station will be cut and a crosscut driven from it to the vein; then drifts on the vein driven north and south. (See map on the ~~preceding~~ next page).

(c) The work will start within 15 days and be completed within approximately three months from the date of an exploration project contract.

(d) The work will be under the management of Etienne A. Ritter. He is a Registered Mining engineer of the State of Colorado and a 1950- member of the American Institute of Mining and Metallurgical Engineers. For the last thirty years he has had his own office in the Empire Building, Denver, Colorado and during that time has been connected as an engineer with mining operations in Teller, Gilpin, San Juan, Park and Gunnison Counties, Colorado.

6- Estimates of costs.

(a) No independent contract.

(b) Salary of a manager @ $ 300 per month and of a mine foreman @ 4 350 per month. Hoist man, miners as drillers and muckers will be paid $ 16 per shift of 8 hours for 40 hours (5 days) and half-time over time for 1 shift (6th day) No work on Sundays.

Estimated costs of the contemplated work:

Sinking 5 test pits	$ 500		
Driving 300 feet of the adit tunnel @ $ 20 per foot	6,000		
Raising 65 feet	600		
Sinking 115 feet of shaft @ $ 70 per foot	8,050		
Cutting a station at the 100 foot level	250		
Crosscutting 10 feet and drifting 300 feet @ $ 20 per foot	6,200		
Total			$ 21,600
(c) A water tank will be built on the ground The water will be hauled from Lake George, by contract, if possible. The power will be by Diesel engines, coupled with the air compressor, the hoist, etc...			200
(d) A hoist with rope and bucket	3,500		
An air compressor	4,500		
Air tank	200		
Machine drills and steel	2,000		
Mine cars	600		
Rails and ties	500		
Material for the blacksmith's shop and small tools	500		
Total			$ 11,800
(e) No rehabilitation and repairs			
(f) Building for the hoist and air compressor blacksmith's shop and office			
Lumber	$ 460		
Windows, doors, elaterite and heavy paper rolls	240		
Supplies for the office, chairs, desk	80		
Supplies for the backsmith's shop	60		
		$ 840	
Labor		1,100	
Gallows frame lumber	120		
Iron rods	40		
Labor	340		
		500	2,440
Total			$ 36,040

Reported from preceeding page				
	Total			$ 36,040
(e) Continued				
Ore sorting chamber				
Lumber		$ 130		
Conveyor belt		450		
Labor		220		
			$ 800	
Ore bins				
Material		900		
Labor		1,200		
	Total		2,100	
	Total			2,900
(g) None				
(h) Contingencies				1,060
		Total		$ 40,000

We do not know if we have given sufficient information in detail regarding the cost of material to be purchased. We know that when we have the cash in hand and are ready to pay for the machinery, we can buy some excellent machinery second hand at figures which we cannot furnish in this estimate.

/We are prepared to submit when the time comes all estimates and bills for machinery for the approval of each separate item by the Supervidor Engineer of the Bureau of Mines in charge of supervising our operation, before making any purchae.

7 Are you prepared to furnish your share of the cost

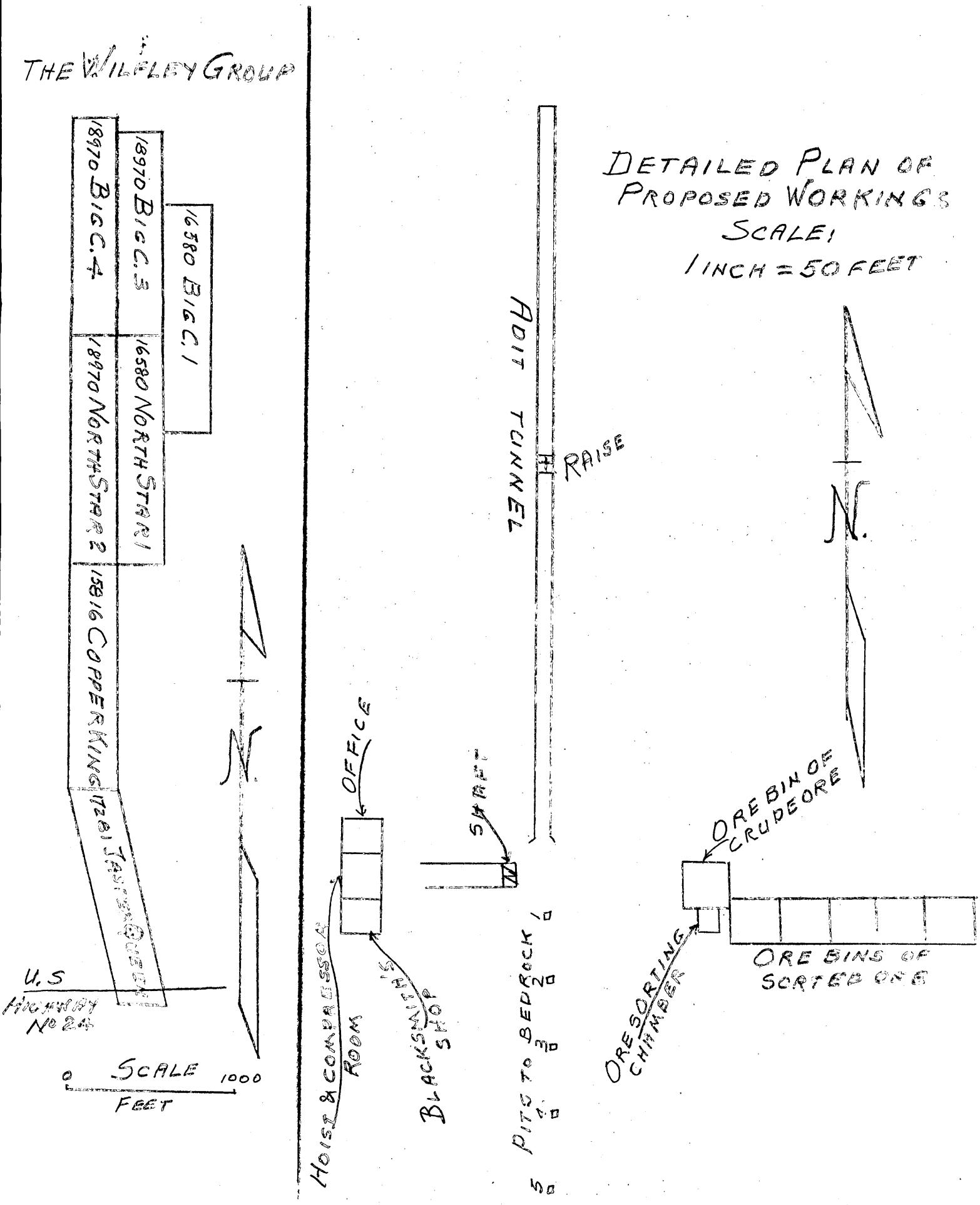
(a) We are prepared to furnish 25 % of the share of the cost according to the regulations on Government participation (Sec. 7 DMMA No. 1
(b) We propose to furnish our share with cash in the bank

T OF THE INTERIOR
RALS ADMINISTRATION
NGTON 25, D. C.

CIAL BUSINESS

PAYMENT OF POSTAGE, $300
(PMGC)

Isaiah Magdsenchase
3-24-53


THE WILFLEY GROUP
18970 BIG C. 4
18970 BIG C. 3
16580 BIG C. 1
18970 NORTH STAR 2
16580 NORTH STAR 1
15816 COPPER KING
17281 JAMESTOWN
U.S HIGHWAY No 24
N.
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FEET
DETAILED PLAN OF PROPOSED WORKINGS
SCALE:
1 INCH = 50 FEET
ADIT TUNNEL
RAISE
OFFICE
SHAFT
HOIST & COMPRESSOR ROOM
BLACKSMITH'S SHOP
PITS TO BEDROCK
10
20
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50
N.
ORE BIN OF CRUDE ORE
ORE SORTING CHAMBER
ORE BINS OF SORTED ORE

dMEa -2941