DMA Form 1

Holdsworth Tungsten.

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1847

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in Reports and Records Branch. Any movement of this document between divisions or offices of DMA or movement outside DMA must be reported to the Reports and Records Branch. Actions taken that affect status of the case must also be reported.

This document has been recorded as

EXPLORATION LOAN

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.

Routing Slip

To:	~~Tungsten Br.~~	Date	7-18-51
To:	P.E.Div.	Date	12/5/51
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DO NOT DETACH

aec CONTROLLED DOCUMENT

400
FILE COPY
SURNAME:

Brewer
Selfridge
Geehan
Mittendorf
Myers
Thayer
Fe Johnson

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

DEC 19 1951

Mr. Martin Brosnahan
P.O. Box 197
Deadwood, South Dakota

Re: Docket No. DMA 1847X - Tungsten
Comstock Group
Lawrence County, South Dakota

Dear Mr. Brosnahan:

We have now reviewed your application for an exploration loan and other data available to us in Washington.

The information shows that only small scattered amounts of huebuerite have been found, and in the past, these have not warranted the sums expended for search and extraction.

No geologic or other evidence was noted in the application or in the data available to us which indicated a possibility of a more favorable ore occurrence than has been heretofore experienced.

Therefore, we regret to inform you that your application is herewith denied.

Sincerely yours,

C. O. Mittendorf (for)
Acting Administrator
~~Chairman, Operating Committee~~
Defense Minerals Exploration
Administration

QLBrewer:lm
12/13/51

Approved:

Member, Bureau of Mines

Member, Geological Survey

cc: Admn. Reading File
Mails and Files Br.
C. O. Mittendorf
T. P. Thayer, USGS
R. W. Geehan, USBM
Field Team Reg. V
Docket
Q. L. Brewer

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

Ema 1847

DATE 10-16-51

REFERRED TO:

1. 340
2.
3.
4.

OCT 17 1951
Rec'd by Mr. Hoeferer

FOR:

..... Action	..... Recommendation
..... Approval	..... Record of .....
..... Comment	..... Referring to .....
..... Conference	..... Reply for signature of .....
..... Consideration	..... Rewriting
..... Filing	..... Signature
..... Instructions	..... Suggestions
..... Investigation	✓ Your information
..... Initials	
..... Mailing	
..... Previous correspondence	

REMARKS: .....

Check (X) before the items needing attention.

Adams
C. E.
Initials of sender.

GPO 16—63815-1

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : D.M.E.A. DATE: December 3, 1951

FROM : D. M. Lemmon, U. S. Geological Survey

SUBJECT: Exploration project costing $24,613.20 DMA 1847 - Tungsten
Martin Brosnahan
Box 197
Deadwood, S. Dakota

Property: The Mary and Two Bit groups of claims.
Sec. 1, T. 4 N., R. 3 E., Northern Black Hills
Lawrence County, South Dakota

Proposal: The Mary adit and the Two Bit adit will each be driven 300 to 500 feet ahead in search of pockets of wolframite ore. The work is to be done in the favorable ore horizon, and will require one year.

Geology and History: Huebnerite is irregularly distributed in flat-lying Cambrian dolomite, associated with gold, silver, and manganese mineralization. The deposits were worked in 1916, and 1939-42 with total production of about 40 units of WO_3. About 500 feet of adits and drifts were made.

Conclusions: The past production of the property was small and unprofitable, and would at the present time only pay for a fraction of the work done. No geologic evidence is submitted to show that the proposed work will be in more favorable ground.

Recommendation: It is recommended that the application be denied because of the poor results obtained from past work on the property.

Don Lemmon

D.M.E.A. December 3, 1951

D. M. Lemmon, U. S. Geological Survey

Exploration project costing $24,613.20 DMA 1847 - Tungsten
Martin Brosnahan
Box 197
Deadwood, S. Dakota

Property: The Mary and Two Bit groups of claims
Sec. 1, T. 4 N., R. 3 E., Northern Black Hills
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Recommendation: It is recommended that the application be denied because of the poor results obtained from past work on the property.

DMLemmon:gt

DM Lemmon

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

OCT 16 9 03 AM '51

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

OCT 16 9 03 AM '51

340

Deadwood, South Dakota
October 12, 1951

Mr. George Holderer
Defense Minerals Administration
Washington, D. C.

Dear Sir:

Re: D.M.A. 1847 Exploration Loan

I have a receipt of acknowledgement from Landon F. Strobel dated July 19, 1951, regarding application papers sent to your department. He has referred future correspondence on same application to you.

It has been some time since this application has been filed. I understand some loans have been completed in the Black Hills area. It is my desire to get some outside work under way soon with winter in the offing.

Would you kindly advise me about when I can expect a decision on my application to be reached.

Thank you. Reference DMA-1847 Exploration Loan

Respectfully yours,

Martin Brosnahan

Martin Brosnahan

OFFICIAL FILE COPY

To	Init.	Date
210		

FILE COPY
SURNAME:

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

July 19, 1951

Mr. Martin Brosnahan
Post Office Box 197
Deadwood, South Dakota

Subject: DMA-1847
Re: Exploration Loan -
Comstock Group

My dear Mr. Brosnahan:

Receipt is acknowledged of your application and attachments of May 24, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1847 and referred to Mr. Geroge Holderer, Chief, Tungsten Branch on July 18, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1847.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

L. F. Strobel:jc
cc: Strobel
File
Holderer
Lyon

July 19, 1951

Mr. Martin Brosnahan
Post Office Box 197
Deadwood, South Dakota

Subject: DMA-1847
Re: Exploration Loan -
Comstock Group

My dear Mr. Brosnahan:

Receipt is acknowledged of your application and attachments of May 24, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1347 and referred to Mr. George Holderer, Chief, Tungsten Branch on July 18, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1847.

Sincerely yours,

Landon F. Strobel
Executive Secretary

L. F. Strobel:jc
cc: Strobel
File
Holderer
Lyon

Form MF-100
(April 1950)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA 1847

Date received 7-16-51

Participation

Martin Brosnahan
Box 197
Deadwood So Dak

Name and address of applicant

Date May 24-1951

FILL IN THIS BLOCK

Date of application May 24-1951

Estimated cost 24,619.20

Mineral or metal Tungsten

Percentage of Government participation 75%

Location of mine 8 Miles S.E. Deadwood

Date of filing MF-100

DMA Docket Number, if available 1847

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration

THE APPLICANT

JUL 16 1951

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.
15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.
22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

---------- By ----------
(Name of company) (Signature of authorized official)

---------- ----------
(Date) (Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

10
13

Mineral Survey 1248 consisting of Mary-Union Smith Power No. 1 and Power No. 2 and Mineral Survey 1507 consisting of Two Bitt No. 1, Two Bitt No. 2-4884 and Yellow Jacket Fraction all patented load Mining claims all in one group. Together with Mill Building Machinery and all holdings of Pioneer Tungsten property. Were sold at Sheriff's Sale, April 6, 1951 to H. S. Flatt and Lon Blanscet, to satisfy a Judgment foreclosing mortgage and miners liens.

Mortgage foreclosure March 9, 1951		
Amount of mortgage	$6 450.00	total $11 063.46
" " interest	$2 629.00	
Miners lien foreclosure March 9, 1951		$ 1 601.60

Together with cost of receiver Sheriff's costs and taxes paid from date of redemption and filing costs.

H. S. Flatt and Lon Blanscet are holders of tax sale certificate dated September 15, 1948. Amount paid $1 231.39 for the years from 1930 to 1933 on ten year plan and from 1941 to 1947. Property taxed to Flatt and Blanscet since 1947. All taxes paid on property including first half of 1950.

H. S. Flatt, Lon Blanscet and myself are also holders and owners of 42 per cent of all outstanding stock in olde Pioneer Tungsten Mining Company.

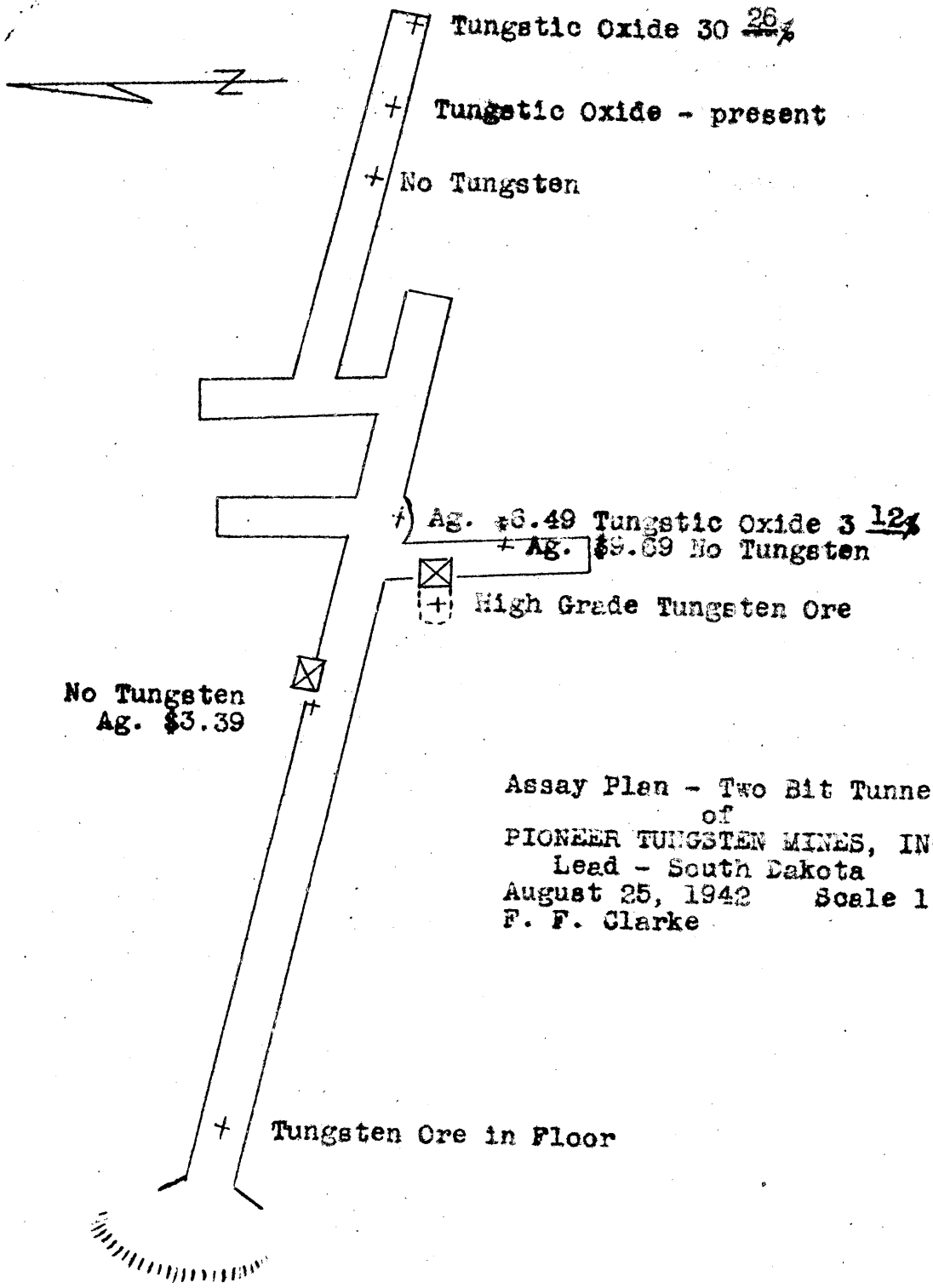
Martin [illegible], Box 197, [illegible], South Dakota
[illegible] Sheet #1.

1. Applicant is an individual.
2. Not a partnership.
3. Not a corporation.
4. Applicant has [illegible] years mining experience in the district, having been born and raised here. Worked as both practical miner and in supervisory positions. [illegible] mine from 1911 to 1916, mine foreman of the Commonwealth Gold mine from 1920 to 192[illegible], supervised [illegible] Gold mine from 1930 to 193[illegible], and had complete charge of the Commonwealth Gold mine [illegible] since 193[illegible] with the exception [illegible] 1941 to 1942 [illegible] Tungsten Co. on the Two Bit claims. In 1916 prospected and [illegible] the Two Bit tungsten prospect. For reference you may contact [illegible], South Dakota, and [illegible] & Co, [illegible].
5. Applicant is [illegible] tungsten properties.
6. Answered above in 4., [illegible].
7. Copy of lease enclosed.
8. [illegible] with three [illegible] on it. Have bank balance of about 1000.00 and no outstanding debts.
9. Yes.
10. a. Two Bit group is composed of [illegible] Two Bit #1, Two Bit #2, [illegible] [illegible], [illegible] 17 acres in [illegible] 1897. [illegible] [illegible] 1940.
11. b. Enclosed.
11. [illegible] the above group of claims were originally located as the [illegible] group, which was probably the first discovery of tungsten in the southern Black Hills.
12. There are 2 miles of county maintained gravel road from the property to paved highway U.S. [illegible], then 6 miles on the pavement to [illegible], the rail and supply point. [illegible] from [illegible].
13. [illegible] water for this project. [illegible] few feet of the [illegible].
14. [illegible] there is a compressor [illegible]. There are no [illegible] on a [illegible], and [illegible] water [illegible].
15. [illegible] will be [illegible], to [illegible] and [illegible], [illegible] will be [illegible] on the property and the concentrate [illegible] by rail.
16.a. First tungsten discovery in the [illegible] Black Hills as stated above, claims were located [illegible] the silver. First [illegible] was in 1916 [illegible] and [illegible] 1938 until 1939 when the [illegible] Tungsten Company [illegible], [illegible] the mill was built. Very little [illegible] in 1939 and 1940 [illegible]. The mill operated three days and produced about a ton of concentrate. The property was left by the [illegible] Company with several [illegible] in debts, which were discharged by the present [illegible] in 194[illegible], no work has been done since that time.
. There are no other known tungsten prospects within several miles.
. No copies of any [illegible] reports are [illegible] available; the enclosed maps are taken from [illegible] report made in 1941.

Martin Brownham Box 197 Deadwood So Dak
Supplementary Sheet No 2

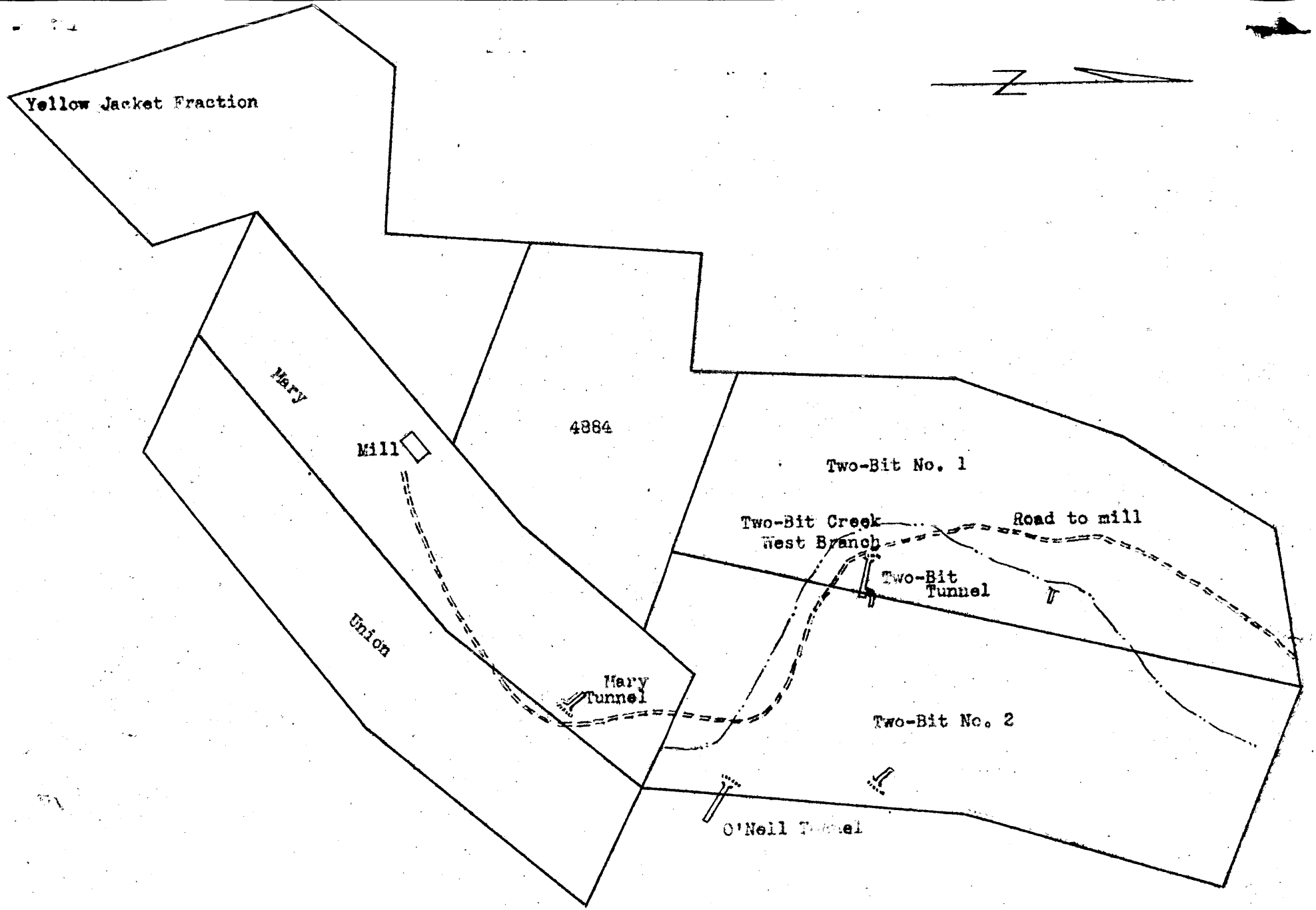
17. Prospect is now idle.
18. a. The deposits, consisting essentially of manganese tungstate (hubnerite) and maganese dioxide (wad) with subordinate values in gold and silver occur as pockets in both fissure type veins and as replacements in quartizite and dolomite of the Dearwood formation. The ore is related to quartz monzonite prophry intrusions as dikes and sills, and is quite high grade when encountered. The occurance of the pockets, which vary in size from a few pounds to one half ton, is rather erratic.
b. All maps are enclosed.
c. Due to the nature of the deposits and the amount of exploration work done no accurate estimate of tonnage is possible at this time. Assays from the Two Bit tunnel on grabs taken from the muck pile out of a pocket indicate 1.5% WO3, 7.5% Mn and $2.02 Ag(1941). Hand cobbed material from the above bulk sample ran 30.3% WO3.
19. Nothing to add.
20. The exploration will be for hubnerite and wad in replacement deposits.
21. It is proposed to drive the Two Bit and Mary adits for 3 to 500 feet each. In conducting this work past experience has shown that pockets of high grade tungsten and manganese will be encountered, which of course will be sorted and sold. Should fissures be cross-cut they too will be prospected and all ore extracted. As this work progresses it is felt that the ore found will place the operation on a profitable basis. The above work will probably require a period of a year, depending upon the results obtained.
22. The project as outlined in 21 follows exactly the recommendation of F.C. Lincoln, formerly a professor at the South Dakota School of Mines and the last engineer to examine the deposits. This deposit appears to be characteristic of may replacement type ore bodys, in that it is high grade but pockety.
23. (a & b) labor and supervision:

3 miners @1.40/hr.	$873.60/mo.	
1 bookkeeper	100.00/"	
1 supervisor	400.00/"	
Total for year		$16,483.20
c. Cost of repairs to facilities; roofing compressor house		$ 50.00
d. new facilities; building change house		$ 100.00
e. cost of new equipment; air and water hose, 1 ton rail, 200ft. pipe, fish plates, ties		$ 300.00
f. rental of equipment not owned by operator; trucking		$ 600.00
g. rental of operator's equipment; 100cfm. compressor, mine car, blacksmith and carpenter tools		$ 1500.00
h. cost of supplies; bits, steel, explosives and assaying		$ 4200.00
i. cost of power; gasoline and oils		$ 1080.00



Assay Plan - Two Bit Tunnel
of
PIONEER TUNGSTEN MINES, INC.
Lead - South Dakota
August 25, 1942 Scale 1" = 20'
F. F. Clarke

Data from Dr. F. C. Lincoln - Survey 10/15/'41



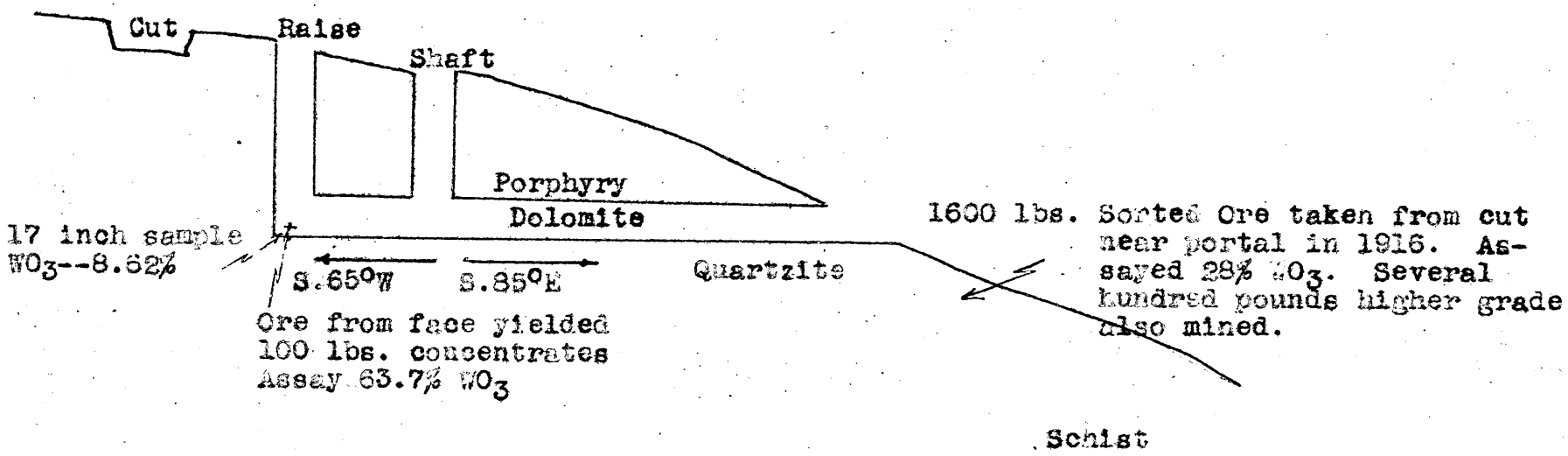
Traced by F. F. Clarke

September 17, 1942

Two-Bit Tungsten Property - PIONEER MINE -

Patented Claims Surveyed March, 1901

Scale 1" =300'



Elevation - Mary Tunnel
of
PIONEER TUNGSTEN MINES, INC.
Lead, S. D. August 25, 1942
F. F. Clarke Scale 1" - 20'

Data from Dr. F. C. Lincoln Compass Survey 12/15/'41

Form [illegible]
(April [illegible])

U. DEPARTMENT OF THE INTERI

DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA 1847

Date received 7-16-51

Participation

Martin Brosnahan
PO Box 197
Deadwood So Dak.

Name and address of applicant

Date May 24-1951

FILL IN THIS BLOCK

Date of application May 24 1951

Estimated cost 24,613 20

Mineral or metal Tungsten

Percentage of Government participation 75%

Location of mine 8 miles S.E. Deadwood

Date of filing MF-100

DMA Docket Number, if available 1847

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 16 1951
LANDON F. [illegible]
Executive Secretary

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
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NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

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*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

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    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.

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*17. Production:

    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)

    (*a*) Describe the ore or mineral deposits briefly.

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    (*c*) Give estimated tonnage and grade of each class of ore reserves.

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THE EXPLORATION

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21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

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THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.

    (*b*) Supervisors, by numbers and positions, with salaries of each.

    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.

    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.

    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.

    (*f*) Cost of rental for equipment which the operator proposes to rent.

    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.

    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.

    (*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

---------- By ----------
(Name of company) (Signature of authorized official)

---------- ----------
(Date) (Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

Martin Brosnahan Box 147 Deadwood So Dak

Supplementary sheet No 2

I

17. Prospect is now idle.
18. a. The deposits, consisting essentially of manganese tungstate (hubnerite) and manganese dioxide (wad) with subordinate values in gold and silver occur as pockets in both fissure type veins and as replacements in quartzite and dolomite of the Deadwood formation. The ore is related to quartz monzonite porphyry intrusions as dikes and sills, and is quite high grade when encountered. The occurrence of the pockets, which vary in size from a few pounds to one half ton, is rather erratic.
b. All maps are enclosed.
c. Due to the nature of the deposits and the amount of exploration work done no accurate estimate of tonnage is possible at this time. Assays from the Two Bit tunnel on grabs taken from the muck pile out of a pocket indicate 1.5% WO3, 7.5% Mn and $2.02 Ag(1941). Hand cobbed material from the above bulk sample ran 30.3% WO3.
19. Nothing to add.
20. The exploration will be for hubnerite and wad in replacement deposits.
21. It is proposed to drive the Two Bit and Mary adits for 3 to 500 foot each. In conducting this work past experience has shown that pockets of high grade tungsten and manganese will be encountered, which of course will be sorted and sold. Should fissures be cross-cut they too will be prospected and all ore extracted. As this work progresses it is felt that the ore found will place the operation on a profitable basis. The above work will probably require a period of a year, depending upon the results obtained.
22. The project as outlined in 21 follows exactly the recommendation of F.C. Lincoln, formerly a professor at the South Dakota School of Mines and the last engineer to examine the deposits. This deposit appears to be characteristic of may replacement type ore bodys, in that it is high grade but pockety.
23. (a & b) labor and supervision:

3 miners $1.40/hr.	$873.60/mo.	
1 bookkeeper	100.00/"	
1 supervisor	400.00/"	
Total for year		$16,433.20
c. Cost of repairs to facilities; roofing compressor house		$ 50.00
d. new facilities; building change house		$ 100.00
e. cost of new equipment; air and water hose, 1 ton rail, 300ft. pipe, fish plates, ties		$ 300.00
f. rental of equipment not owned by operator; trucking		$ 600.00
g. rental of operator's equipment; 100cfm. compressor, mine car, blacksmith and carpenter tools		$ 1500.00
h. cost of supplies; bits, steel, explosives and assaying		$ 4200.00
i. cost of power; gasoline and oils		$ 1080.00

10 B

Mineral Survey 1248 consisting of Mary-Union Smith Power No. 1 and Power No. 2 and Mineral Survey 1507 consisting of Two Bitt No. 1, Two Bitt No. 2-4884 and Yellow Jacket Fraction all patented load Mining claims all in one group. Together with Mill Building Machinery and all holdings of Pioneer Tungsten property. Were sold at Sheriff's Sake, April 6, 1951 to H. S. Flatt and Lon Blanscet, to satisfy a Judgment foreclosing mortgage and miners liens.

Mortgage foreclosure March 9, 1951		
Amount of mortgage	$6 450.00	total $11 063.46
" " interest	$2 629.00	
Miners lien foreclosure March 9, 1951		$ 1 601.60

Together with cost of receiver Sheriff's costs and taxes paid from date of redemption and filing costs.

H. S. Flatt and Lon Blanscet are holders of tax sale certificate dated September 15, 1948. Amount paid $1 231.39 for the years from 1930 to 1933 on ten year plan and from 1941 to 1947. Property taxed to Flatt and Blanscet since 1947. All taxes paid on property including first half of 1950.

H. S. Flatt, Lon Blanscet and myself are also holders and owners of 42 per cent of all outstanding stock in olde Pioneer Tungsten Mining Company.

Martin Brosnahan, Box 197, Deadwood, South Dakota
Supplementary Sheet #1.

1. Applicant is an individual.
2. Not a pardnership.
3. Not a corporation.
4. Applicant has 40 years mining experience in the district, having been born and raised here. Worked as both practical miner and in supervisory positions. Managed Belle Eldridge lead-zinc mine from 1918 to 1920, mine foreman of the Commonwealth Gold Mine from 1920 to 1923, supervised Anchor Mountain Gold Mine from 1930 to 1932, and had complete charge of the Commonwealth Gold Mine intermittently since 1932 with the exception during 1941 to 1942 managed the Pioneer Tungsten Co. on the Two Bit claims. In 1916 prospected and openedup the Two Bit tungsten prospect. For reference you may contact Mr. C.O. Gorder, Manager First National Bank, Deadwood, South Dakota and Mr. Albro Ayres, Mgr. Ayres & Co, Hardware, Deadwood, S. D..
5. Applicant is lessee of the Two Bit and Mary tungsten properties.
6. Answered above in 5., No indebtedness known.
7. Copy of lease enclosed.
8. Own 10 acre place 5 miles S.E. of Deadwood, S. D., with three houses on it. Have bank balance of about $1000.00 and no outstanding debts.
9. Yes.
10. a. Two Bit group is composed of the Two Bit #1, Two Bit #2, Yellow Jacket Fraction, and 4884 a total of 50.17 acres in M.S. 1507. The Mary group composed of the Mary, Union, Smith, Power #2, and Power containing 45. .63 acres in M.S. 1248.
10. b. Enclosed.
11. Both the above groups of claims were originally located as the Comstock group, which was probably the first discovery of tungsten in the northern Black Hills.
There are 2 miles of county maintained gravel road from the property to paved highway U.S. 85A, then 6 miles on the pavement to Deadwood, the rail and supply point. The property is in a generally southeast direction from Deadwood, S. D.
13. Two Bit creek runs the year round and a dam and a sump near the mill supplys more than enough water for this project. The creek is within a few feet of the adit.
14. Near the portal of the Two Bit adit there is a compressor house about 18'x18' and an ore bin that holds 15 to 20 tons. There are no structures on the Mary Claim. There is a jackhammer on a shell with column, arm and water pressure tank.
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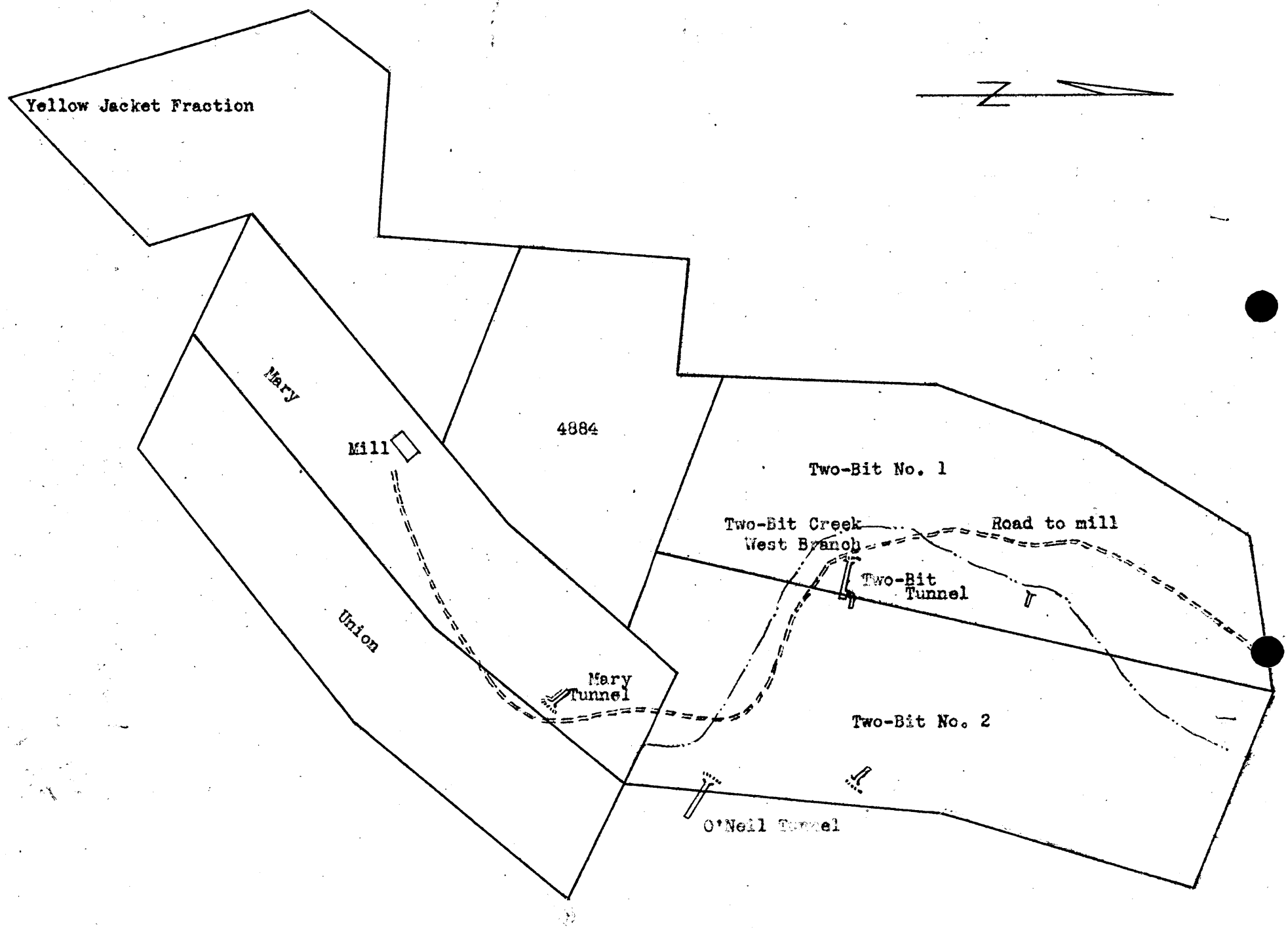
c. No copies of any mine examination reports are presently available; but the enclosed maps are taken from F.C. Lincolns report made in 1941.



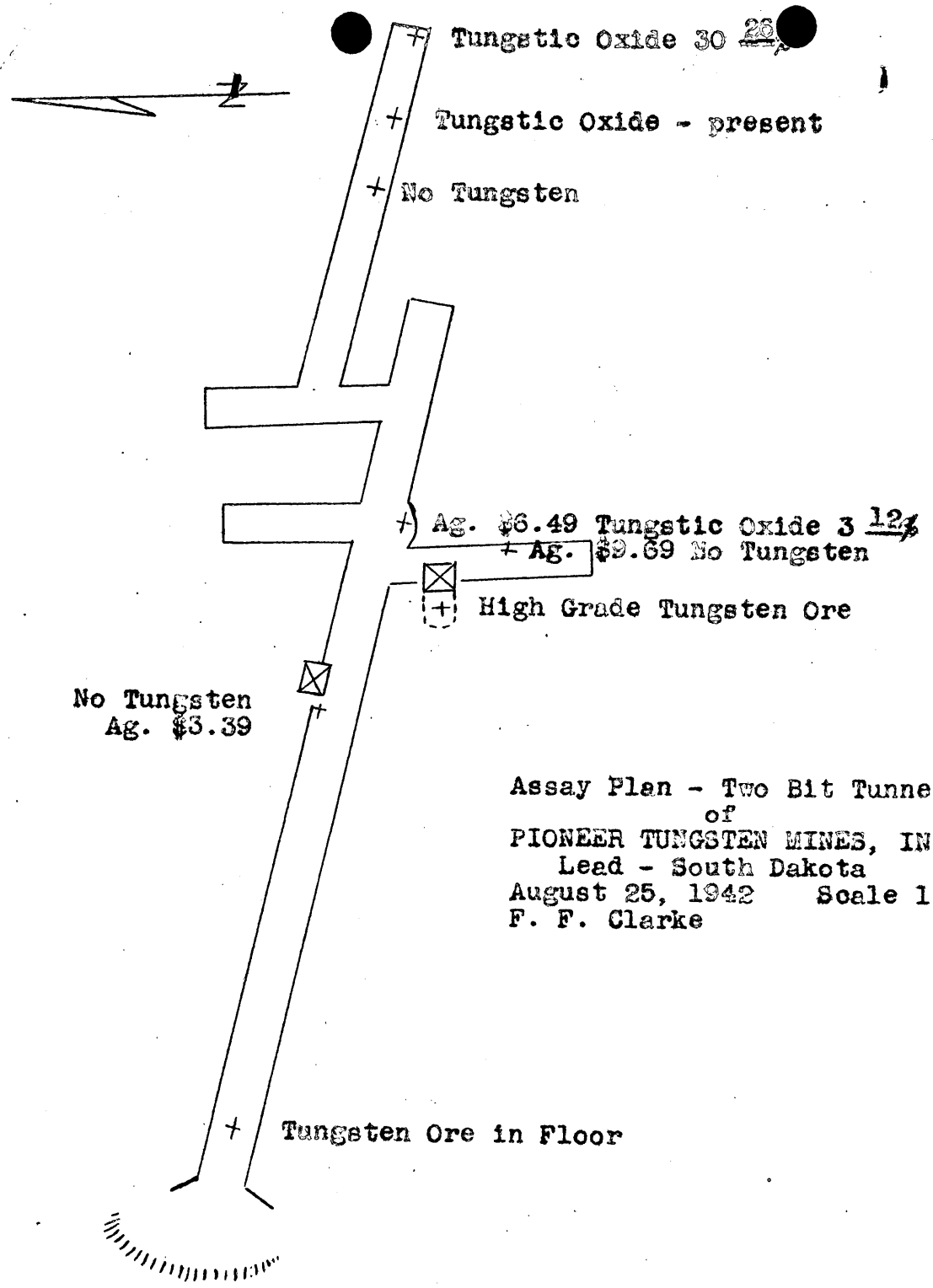
Traced by F. F. Clarke

September 17, 1942

Two-Bit Tungsten Property - PIONEER MINE -

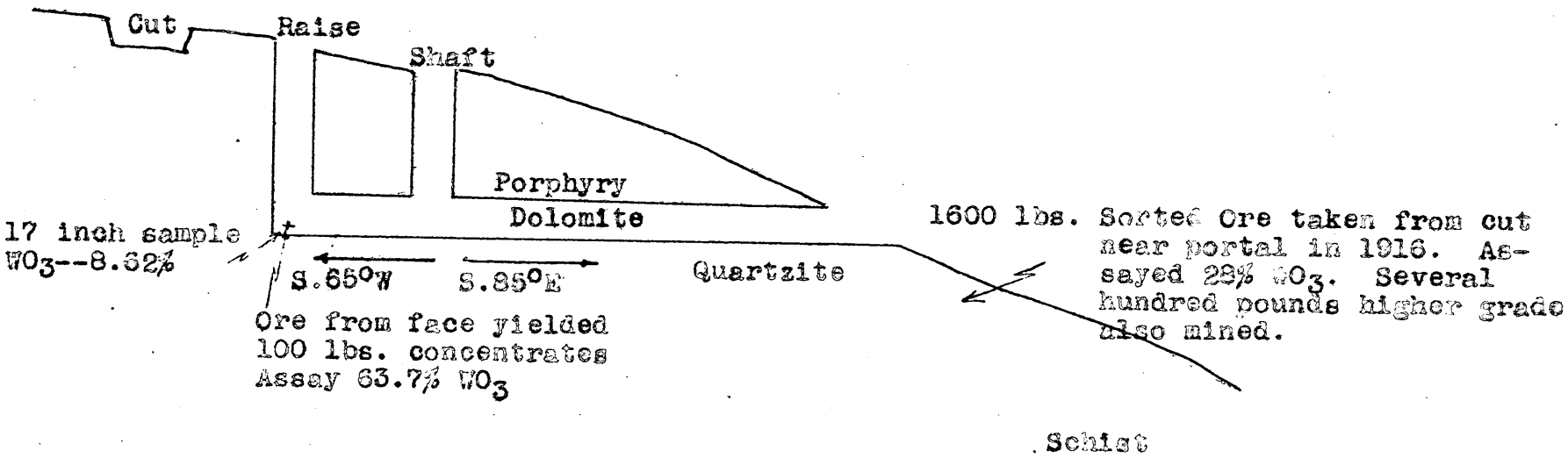
Patented Claims Surveyed March, 1901

Scale 1" =300'



Assay Plan - Two Bit Tunnel
of
PIONEER TUNGSTEN MINES, INC.
Lead - South Dakota
August 25, 1942 Scale 1"= 20'
F. F. Clarke

Data from Dr. F. C. Lincoln - Survey 12/15/'41



Elevation - Mary Tunnel
of
PIONEER TUNGSTEN MINES, INC.
Lead, S. D. August 25, 1942
F. F. Clarke Scale 1" - 20'

Data from Dr. F. C. Lincoln Compass Survey 12/15/'41

Complete

BROSNAHAN

Re: Docket No DMA-1847X-Tungsten
Comstock Group
Lawrence Co., So. Dakota.

Mr. Martin Brosnahan
Box 197
Deadwood, So. Dakota

typed 12/12

Dear Sir -

We have now reviewed your Application for an Exploration loan and other data available to us in Washington.

The information shows that only small scattered amounts of huebnerite have been found, and, in the past, these have not warranted the sums expended for search and extraction.

No geologic or other evidence was noted in the Application or in the data available to us which indicated a possibility of a more favorable occurrence than has been heretofore experienced.

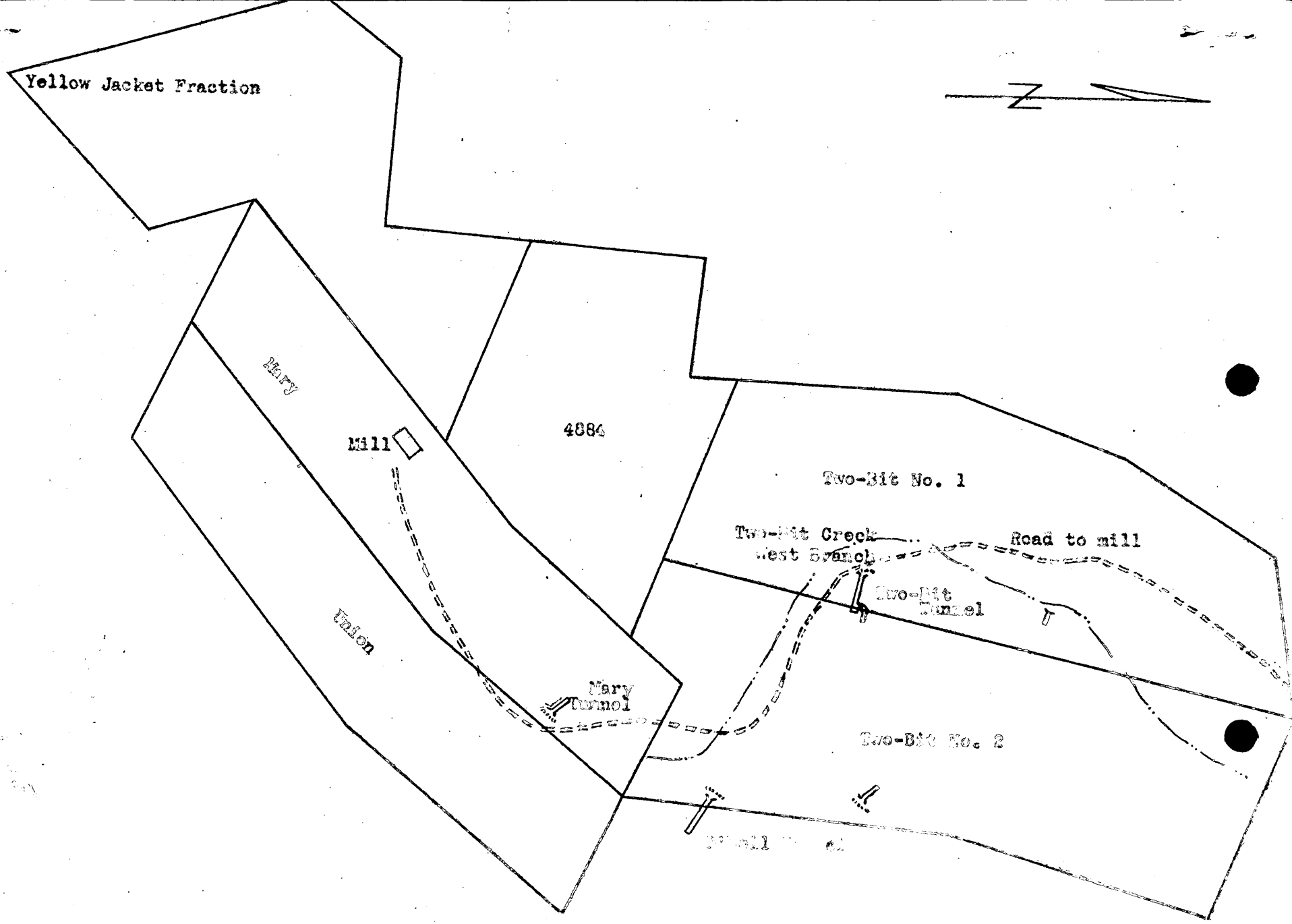
Therefore, we regret to inform you that your Application is hereunto denied -

Mack Johnson

Moon

Thayer

(To be signed by members of the Operating Committee - see Exec. Order)

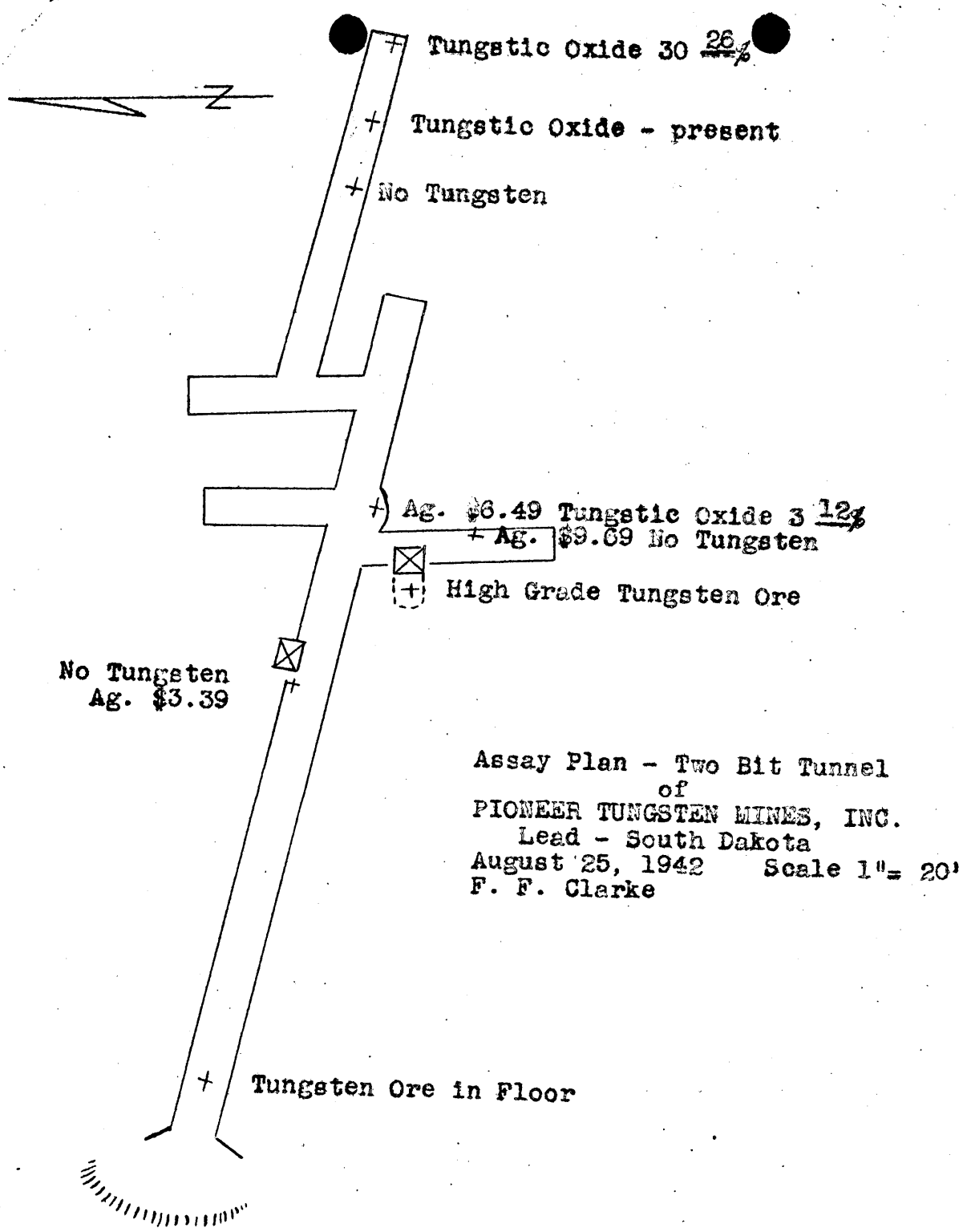


Traced by F. P. Clarke

September 17, 1942

Two-Bit Tract

Patented Claims



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Lead - South Dakota
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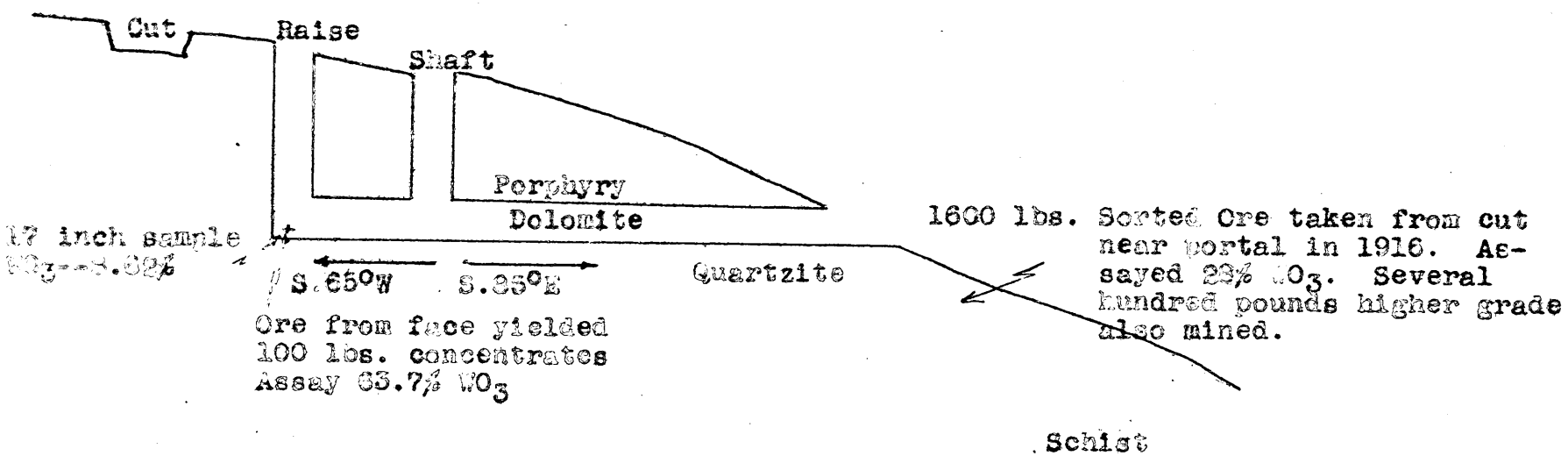

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of
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Lead, S. D. August 25, 1942
F. F. Clarke Scale 1" - 20'

Data from Dr. F. C. Lincoln Compass Survey 12/15/'41

U. S. DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA 1847

Date received 7-16-051

Participation

Martin Broomahan
P.O. Box 197
Deadwood So Dak

Name and address of applicant

Date May 24-1951

FILL IN THIS BLOCK

Date of application May 24-1951

Estimated cost 24,613.20

Mineral or metal Tungsten

Percentage of Government participation 75%

Location of mine 8 miles S.E. Deadwood

Date of filing MF-100

DMA Docket Number, if available 1847

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 16 1951
LANDON R. ...
Executive Secretar...

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.

*5. Are you the owner or the lessee of the property?

6. If owner, state what claims, liens, or encumbrances, if any, are against the property.

7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
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16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

1847

At Tom Thayer's

10
B

Mineral Survey 1248 consisting of Mary-Union Smith Power No. 1 and Power No. 2 and Mineral Survey 1507 consisting of Two Bitt No. 1, Two Bitt No. 2-4004 and Yellow Jacket Fraction all patented lead Mining claims all in one group. Together with Mill Building Machinery and all holdings of Pioneer Tungsten property. Were sold at Sheriff's Sale, April 6, 1951 to H. S. Platt and Lon Blancett, to satisfy a Judgment foreclosing mortgage and miners liens.

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Amount of mortgage $6 450.00 total $11 063.46
" " interest $2 639.00
Miners lien foreclosure March 9, 1951 $ 1 601.00

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Martin Brosnahan, Box 197, Deadwood, South Dakota
Supplementary Sheet #1.

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2. Not a pardnership.
3. Not a corporation.
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c. No copies of any mine examination reports are presently available; but the enclosed maps are taken from F.C. Lincolns report made in 1941.

Martin Br[illegible]mahan Box 197 D[illegible]dwood So Dak

Supplementary sheet No 2

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22. The project as outlined in #1 follows exactly the recommendation of F.C. Lincoln, formerly a professor at the South Dakota School of Mines and the last engineer to examine the deposits. This deposit appears to be characteristic of new replacement type ore bodys, in that it is high grade but pockety.

23. (a & b) Labor and supervision:

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Total for year		$16,483.20
c. Cost of repairs to facilities;		
roofing compressor house		$ 80.00
d. new facilities;		
building change house		100.00
e. cost of new equipment;		
air and water hose, 1 ton rail, 200ft. pipe, fish plates, ties		900.00
f. rental of equipment not owned by operator;		
trucking		600.00
g. rental of operator's equipment;		
100cfm. compressor, mine car, blacksmith and carpenter tools		1500.00
h. cost of supplies;		
bits, steel, explosives and assaying		6200.00
i. cost of power;		
gasoline and oils		1080.00

July 19, 1951

Mr. Martin Brosnahan
Post Office Box 197
Deadwood, South Dakota

Subject: DMA-1847
Re: Exploration Loan -
Comstock Group

My dear Mr. Brosnahan:

Receipt is acknowledged of your application and attachments of May 24, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1847 and referred to Mr. Geroge Holderer, Chief, Tungsten Branch on July 18, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1847.

Sincerely yours,

Landon F. Strobel
Executive Secretary

L. F. Strobel:jc
cc: Strobel
File
✓ Holderer
Lyon

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA 1847

Date received 7-16-51

Participation

Martin Brosnahan
P.O. Box 197
Deadwood So Dak

Name and address of applicant

Date May 24-1951

FILL IN THIS BLOCK

Date of application May 24-1951

Estimated cost 24.613.20

Mineral or metal Tungsten

Percentage of Government participation 75 %

Location of mine 8 miles S.E. Deadwood

Date of filing MF-100

DMA Docket Number, if available 1847

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 16 1951
LANDON F. SIMMEL
Executive Secretary

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:

    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.

    (*b*) State briefly the known history and production of adjoining and neighboring properties.

    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)

    (*a*) Describe the ore or mineral deposits briefly.

    (*b*) Submit available maps and assay data.

    (*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.

    (*b*) Supervisors, by numbers and positions, with salaries of each.

    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.

    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.

    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.

    (*f*) Cost of rental for equipment which the operator proposes to rent.

    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.

    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.

    (*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

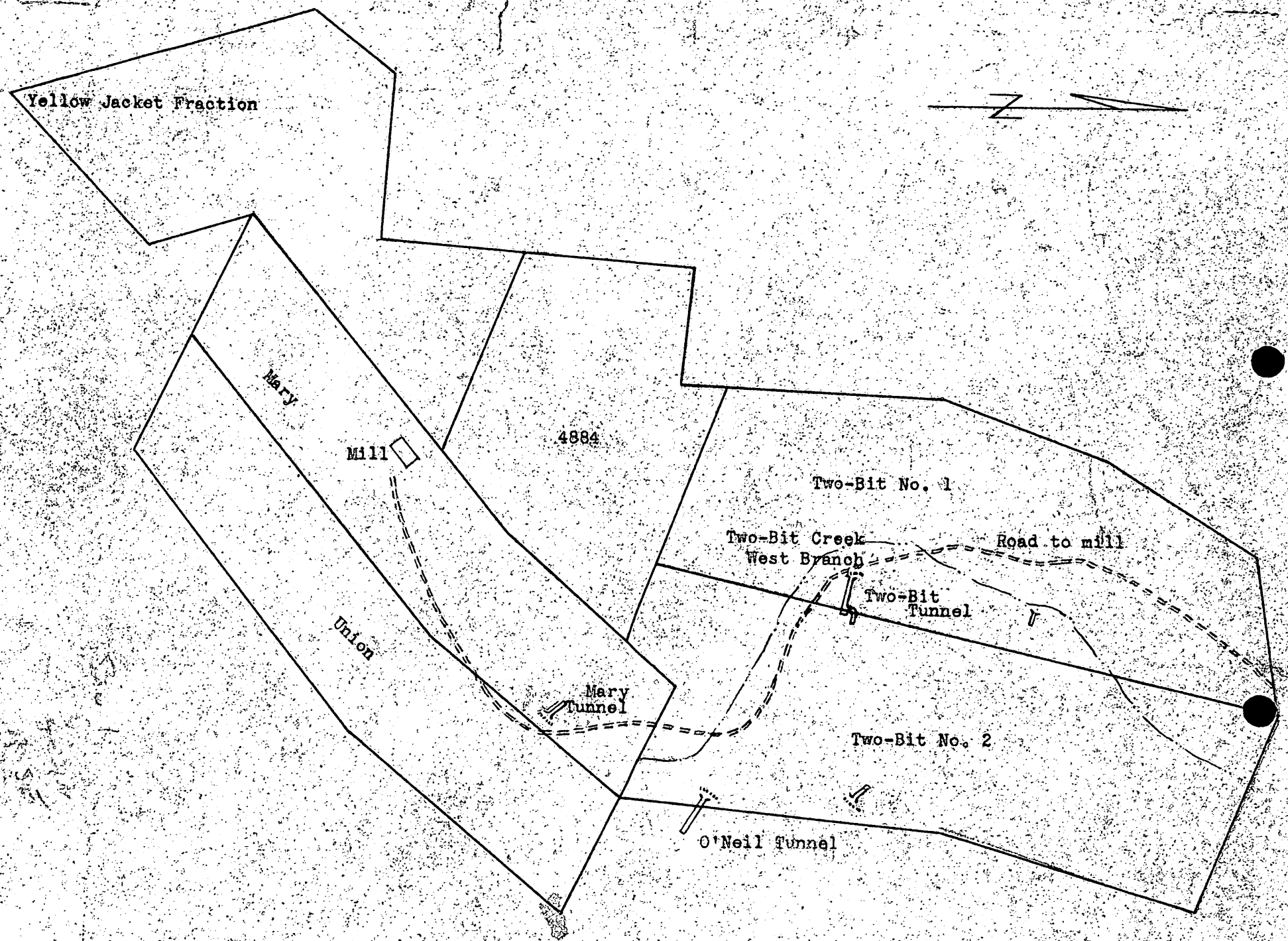
---------- By ----------
(Name of company) (Signature of authorized official)

---------- ----------
(Date) (Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE



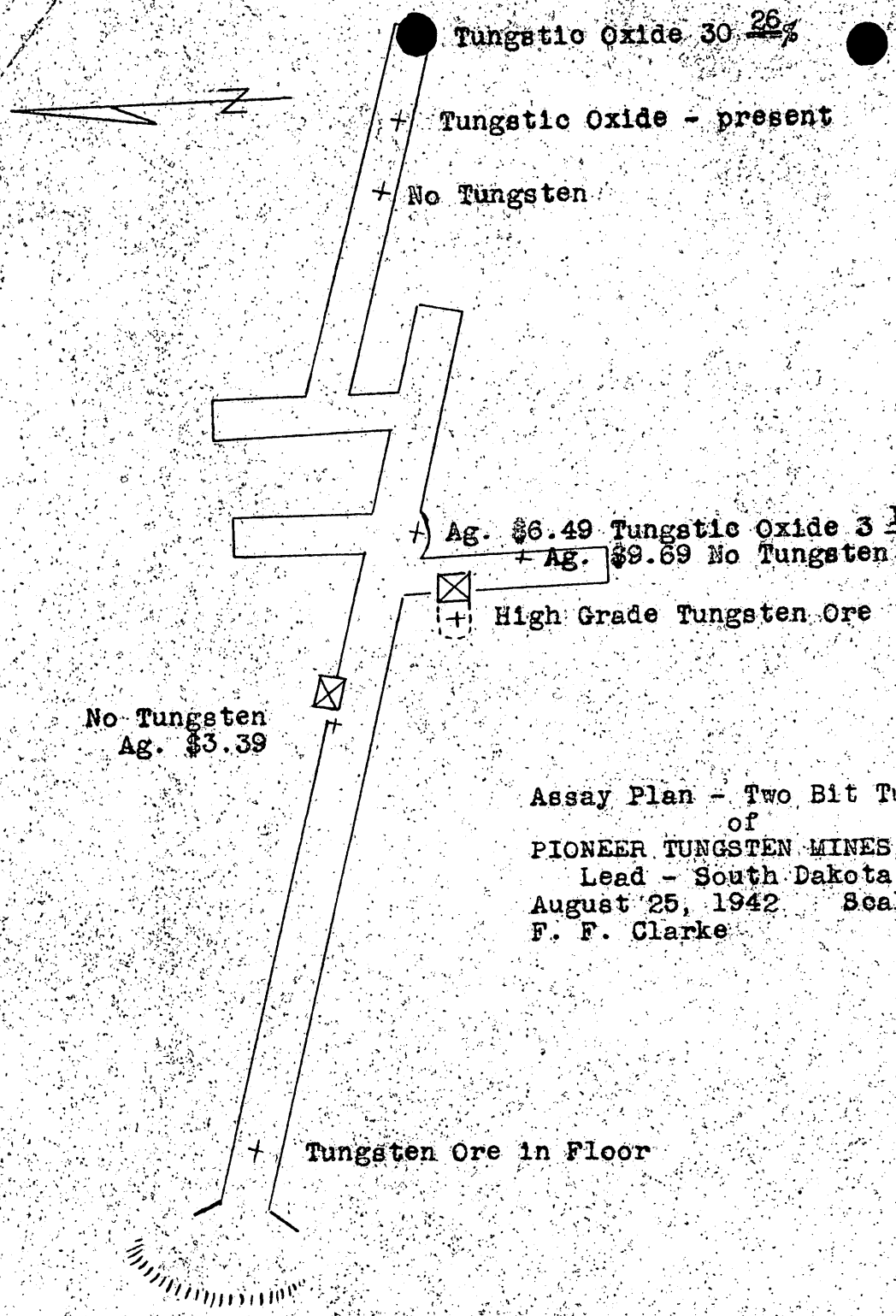
Traced by F. F. Clarke

September 17, 1942

Two-Bit Tungsten Property - PIONEER MINE -

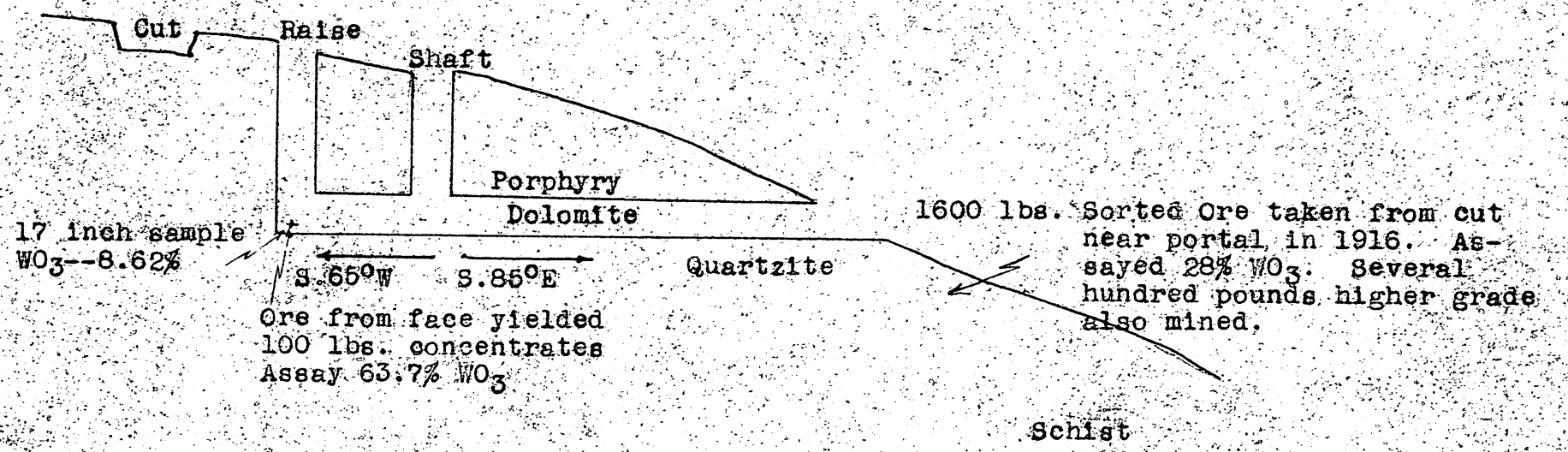
Patented Claims Surveyed March, 1901

Scale 1" =300'



Assay Plan - Two Bit Tunnel
of
PIONEER TUNGSTEN MINES, INC.
Lead - South Dakota
August 25, 1942 Scale 1" = 20'
F. F. Clarke

Data from Dr. F. C. Lincoln - Survey 12/15/'41



Elevation - Mary Tunnel
of
PIONEER TUNGSTEN MINES, INC.
Lead, S. D. August 25, 1942
F. F. Clarke Scale 1" - 20'

Data from Dr. F. C. Lincoln Compass Survey 12/15/'41

10
13

Mineral Survey 1248 consisting of Mary-Union Smith Power No. 1 and Power No. 2 and Mineral Survey 1507 consisting of Two Bitt No. 1, Two Bitt No. 2-4884 and Yellow Jacket Fraction all patented load Mining claims all in one group. Together with Mill Building Machinery and all holdings of Pioneer Tungsten property. Were sold at Sheriff's Sale, April 6, 1951 to H. S. Flatt and Lon Blanscet, to satisfy a Judgment foreclosing mortgage and miners liens.

Mortgage foreclosure March 9, 1951		
Amount of mortgage	$6 450.00	total $11 063.46
" " interest	$2 629.00	
Miners lien foreclosure March 9, 1951		$ 1 601.60

Together with cost of receiver Sheriff's costs and taxes paid from date of redemption and filing costs.

H. S. Flatt and Lon Blanscet are holders of tax sale certificate dated September 15, 1948. Amount paid $1 231.39 for the years from 1930 to 1933 on ten year plan and from 1941 to 1947. Property taxed to Flatt and Blanscet since 1947. All taxes paid on property including first half of 1950.

H. S. Flatt, Lon Blanscet and myself are also holders and owners of 42 per cent of all outstanding stock in olde Pioneer Tungsten Mining Company.

Martin Brennehan, Box 197, Deadwood, South Dakota
Supplementary Sheet #1.

1. Applicant is an individual.
2. Not a partnership.
3. Not a corporation.
4. Applicant has 40 years mining experience in the district, having been born and raised here. Worked as both practical miner and in supervisory positions. Managed Bolle Eldridge lead-zinc mine from 1916 to 1920, mine foreman of the Commonwealth Gold Mine from 1920 to 1923, supervised Ancaster Mountain Gold Mine from 1930 to 1932, and had complete charge of the Commonwealth Gold Mine intermittently since 1932 with the exception during 1941 to 1942 managed the Pioneer Tungsten Co. on the Two Bit claims. In 1916 prospected and opened up the Two Bit tungsten prospect. For reference you may contact Mr. C.C. Geder, Manager First National Bank, Deadwood, South Dakota and Mr. Albro Ayres, Mgr. Ayres & Co, Hardware, Deadwood, S. D..
5. Applicant is lessee of the Two Bit and Mary tungsten properties.
6. Answered above in 5., No indebtedness here.
7. Copy of lease enclosed.
8. Own 15 acre place 5 miles S.E. of Deadwood, S. D., with three houses on it. Have bank balance of about $1000.00 and no outstanding debts.
9. Yes.
10. a. Two Bit group is composed of the Two Bit #1, Two Bit #2, Yellow Jacket Fraction, and 4804 a total of 50.17 acres in H.M. 1807. The Mary group composed of the Mary, Union, Smith, Power #2, and Power containing 45.63 acres in H.M. 1248.
10. b. Enclosed.
11. Both the above groups of claims were originally located as the Comstock group, which was probably the first discovery of tungsten in the northern Black Hills.
12. There are 2 miles of county maintained gravel road from the property to paved highway U.S. 85A, then 6 miles on the pavement to Deadwood, the mill and supply point. The property is in a generally southeast direction from Deadwood.
13. Two Bit creek runs the year round and a dam and a sump near the mill supplys more than enough water for this project. The creek is within a few feet of the adit.
14. Near the portal of the Two Bit adit there is a compressor house about 10'x10' and an ore bin that holds 15 to 20 tons. There are no structures on the Mary Claim. There is a jackhammer on a shell with column, arm and water pressure tank.
15. It is proposed that high grade ore will be cobbed, trucked to Deadwood and shipped to a market, while the lower grade rock will be milled on the property and the concentrate trucked to Deadwood and shipped by rail.
16.a. First tungsten discovery in the northern Black Hills; as stated above, claims were located under name of Comstock because locator thought the mineral found was silver. First recorded production was in 1915 when Sasse and Wolf shipped 1600# obtained from drifting. The prospect was idle from the end of the first War until 1939 when the Pioneer Tungsten Company was formed, then the mill was built. Very little underground work was done in 1939 and 1940 while the Pioneer people had charge. The mill operated three days and produced about a ton of concentrate. The property was left by the Pioneer company with several thousand dollars in debts, which were discharged by the present owners in 1948. No work has been done since that time.
b. There are no other known tungsten prospects within several miles.
c. No copies of any mine examination reports are presently available; but the enclosed maps are taken from P.C. Lincolns report made in 1941.

Martin Brozvahan Box 197 Deadwood So Dak

Supplementary sheet No 2

17. Prospect is now idle.

18. a. The deposits, consisting essentially of manganese tungstate (hubnerite) and maganese dioxide (wad) with subordinate values in gold and silver occur as pockets in both fissure type veins and as replacements in quartzite and dolomite of the Deadwood formation. The ore is related to quartz monzonite prophry intrusions as dikes and sills, and is quite high grade when encountered. The occurance of the pockets, which vary in size from a few pounds to one half ton, is rather erratic.

b. All maps are enclosed.

c. Due to the nature of the deposits and the amount of exploration work done no accurate estimate of tonnage is possible at this time. Assays from the Two Bit tunnel on grabs taken from the muck pile out of a pocket indicate 1.5% WO3, 7.5% Mn and $2.02 Ag(1941). Hand cobbed material from the above bulk sample ran 50.3% WO3.

19. Nothing to add.

20. The exploration will be for hubnerite and wad in replacement deposits.

21. It is proposed to drive the Two Bit and Mary adits for 3 to 500 feet each. In conducting this work past experience has shown that pockets of high grade tungsten and manganese will be encountered, which of course will be sorted and sold. Should fissures be cross-cut they too will be prospected and all ore extracted. As this work progresses it is felt that the ore found will place the operation on a profitable basis. The above work will probably require a period of a year, depending upon the results obtained.

22. The project as outlined in 21 follows exactly the recommendation of F.C. Lincoln, formerly a professor at the South Dakota School of Mines and the last engineer to examine the deposits. This deposit appears to be characteristic of may replacement type ore bodys, in that it is high grade but pockety.

23. (a & b) labor and supervision:

3 miners $1.40/hr.	$873.60/mo.	
1 bookkeeper	100.00/"	
1 supervisor	400.00/"	
Total for year		$16,483.20
c. Cost of repairs to facilities; roofing compressor house		$ 50.00
d. new facilities; building change house		$ 100.00
e. cost of new equipment; air and water hose, 1 ton rail, 200ft. pipe, fish plates, ties		$ 300.00
f. rental of equipment not owned by operator; trucking		$ 600.00
g. rental of operator's equipment; 100cfm. compressor, mine car, blacksmith and carpenter tools		$ 1500.00
h. cost of supplies; bits, steel, explosives and assaying		$ 4200.00
i. cost of power; gasoline and oils		$ 1080.00

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 16 1951
LANDON F. STROBEL
Executive Secretary

MINING LEASE

This indenture, made this 20 day of June, in the year of our Lord one thousand nine hundred and fifty-one, between V. S. PLATT and LON BLANCHET of Box 311, Billings, Montana, hereinafter designated as the Lessors, and MARTIN BROGHAMAN of Box 197, Deadwood, South Dakota, hereinafter designated the Lessee,

WITNESSETH, That the Lessors for and in consideration of the rents, royalties, covenants and agreements hereinafter reserved, and by the Lessee to be paid, kept and performed, have granted, demised, leased and let, and by those presents, do grant, demise, lease, and let unto the Lessee, that certain mine and mining property situated in Lawrence County, South Dakota, and more particularly described as follows, to-wit:

> Mary Union, Smith, Power No. 1 and Power No. 2 Lode Claims, Mineral Survey No. 1248, and Two Bit No. 1, Two Bit No. 2, 1684, and Yellow Jacket Lode Claims, Mineral Survey No. 1507, mill and other buildings thereon and contents of such buildings,

together with the appurtenances, and rights and privileges to prospect the same for gold, precious metals or other valuable minerals, and to mine and extract the same, and to sell, mill or smelt or otherwise reduce the same.

To have and to hold the same unto the said Lessee, for the term of twelve (12) months from date hereof and thereafter for a period of 12 months providing there are good prospects for development of said property at that time.

And in consideration of the said lease, demise and privileges, the Lessee does covenant and agree with the Lessors as follows, to-wit:

To enter upon said mining claim and premises and work the same mining fashion, in manner necessary to good economical mining, so as to take out the greatest amount of ore, gold, precious metals and other valuable minerals, practicable with due regard to safety, development and preservation of the said premises as a workable mine, and to do all things necessary to promote the usefulness of said mining property, as a workable mine, and to develop the same and do no act thereon during the term of this lease, which would impede mining operations or impair the operating condition of said mining claim, and generally to so conduct operations as to conform to the laws of the United States and the State of South Dakota, and to do no act and suffer no default which might in any manner involve the said Lessors, or their ownership in said mining property, in liability of any kind or character. To not allow or permit any person or persons, except the said Lessee, his agent or workmen, to take or hold possession of said premises, or any part thereof, under any pretense whatever.

To not assign this lease, or any interest thereunder, and to not sublet the said premises or any part thereof, without the written consent of said Lessors, except Lessee is authorized to enter into necessary agreements and contracts with the Defense Minerals Administration to secure aid for conducting an exploration project on said property pursuant to Mineral Order No. 5 under Defense Production Act of 1950, and to allow no liens to be acquired against said property during Lessee's occupation thereof, and that during the term of this lease, Lessee will keep posted on said premises in a conspicuous place, a notice to the effect that the property is being operated by Lessee, and that the owner of said premises is not liable for the payment of any labor or material claims arising out of the operation being conducted thereon. And Lessee further agrees to carry Workmen's Compensation for all employees working for him on the property at all times.

To pay and to deliver to said Lessors, as rent and royalty, twelve (12) per cent of the net cash return of all gold, minerals and precious metals or other valuable minerals to be extracted from said premises during said term, at such place as said Lessors shall direct, and to allow said Lessors to be present at each and every cleanup, or sampling of ore extracted, and to inspect and examine the same.

To deliver up to said Lessors the said premises with the appurtenances and all improvements in good order and condition, and the mine in all points ready for continued working (accidents not arising from negligence alone excusing), without demand or further notice, on said 20 day of June A. D. 19 62, at noon, or at any time thereafter to which this lease may be extended.

Upon the violation or failure to perform by said Lessee, or any person under him, of any covenant or covenants hereinbefore reserved, the term of this lease, and all the rights and privileges thereunder, shall, at the option of said Lessors, expire, and the same and said premises with the appurtenances shall at once become forfeited to said Lessors.

Each and every clause and covenant of this indenture shall extend to the heirs, executors and administrators of all parties hereto, and to the assigns of said Lessors, and as said Lessors may elect to the assigns of said Lessee.

IN WITNESS WHEREOF, the said parties, Lessors and Lessee, have hereunto set their hands and seals.

_____

_____
Lessors

_____
Lessee

STATE OF MONTANA)
)SS
COUNTY OF YELLOWSTONE)

On this _____ day of _____, 1951, before me, the undersigned officer, personally appeared F. S. Platt and Lon Blanscet, known to me or satisfactorily proven to be the persons whose names are subscribed to the within instrument and acknowledged that they executed the same for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.

My commission expires:

_____

_____
Notary Public

STATE OF SOUTH DAKOTA)
)SS
COUNTY OF LAWRENCE)

On this _____ day of _____, 1951, before me, the undersigned officer, personally appeared Martin Brosnahan, known to be or satisfactorily proven to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.

My commission expires:

_____

_____
Notary Public