MAR 17 1952

Commonwealth Mining Company
P.O. Box 107
Deadwood, South Dakota

Re: Docket No. DMA 2231X - Manganese
Commonwealth Mining Company
Reindeer Group
Lawrence County, South Dakota

Gentlemen:

Your application for an exploration loan and other data relating to the subject area available to us in Washington have been carefully reviewed.

The information, while noting small quantities of manganese ore, indicates that, geologically, there is little probability of making a significant mineral discovery. We regret, therefore, to inform you that your application is denied.

We wish to thank you for your interest, in this instance, in the Defense Minerals Program.

Sincerely yours,

C. O. Mittenderf

Acting Administrator
Defense Minerals Exploration
Administration

QLBrewer'lm
3/13/52

cc: Admn. Reading File
Docket
H. B. Melcher, DMEM
M. D. Grittenden, USGS
Field Team Reg. V
G. C. Selfridge
Q. L. Brewer

400's

March 13, 1952

Memorandum

To: Acting Administrator, Defense Minerals Exploration Administration

From: Iron and Ferro-Alloy Division, Defense Minerals Exploration Administration

Subject: Denial of application for exploration loan in the amount of $4,650.00
Docket No. DMA 2231X - Manganese
Reindeer Group
Lawrence County, South Dakota

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

The mineralization is localized along a fault or mineralized fissure cutting shale and porphyry which has been followed for 300 feet by an adit. Three samples show an average of about 4.0 per cent manganese and a fourth sample, noted as a "single stringer of mineral", is given at 57.57 per cent manganese. On the basis of the above noted information and the past history of the area, which recites that small tonnages of 5 to 30 per cent manganese content have been produced in past years, the probability of a significant discovery appears to be too poor to warrant further consideration or a field referral.

George C. Selfridge

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

QLBrewer'lm
3/13/52

cc: Admn. Reading File
Docket
G. C. Selfridge
Q. L. Brewer

400's 2

George C. Selfridge

January 4, 1952

M. D. Crittenden

DMEA 2231

The applicant proposes to spend $4,650 to diamond drill a property called the Reindeer Group in unsurveyed T. 4 N., R. 4 E., 7 miles southeast of Deadwood, South Dakota.

The Geological Survey has no information about this specific property. Moreover, a report mentioned under question 18 is not attached. There is a map, however, which shows a 300-foot adit presumably along a fault on mineralized fissure cutting shale and porphyry. Four assays are listed, as follows: 4.22, 5.18, 2.36 and 57.57% Mn. The latter is reported to be a single "stringer of mineral."

On the basis of the assays reported, and the fact that none of the several other small prospects known in the Black Hills contain more than a few hundred tons of material averaging 5 to 30 percent Mn, the prospect for a significant discovery appears to be too poor to warrant further consideration or a field referral.

MDCrittenden:gt

Box-26

Return to
Code 400-00 MEa
Rm. 3538

MAY 22 1951
COLORADO BUREAU OF MINES
DO NOT REMOVE

Amnette Pendleton

DMA Form 1

So Dakota

DEFENSE MINERALS ADMINISTRATION
Control Slip Manganese & Tungsten

CONTROLLED DOCUMENT

DMA Docket No. 2231

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 PROJECT

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:	IRON & FERRO ALLOYS	Date	11-20-51
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DO NOT DETACH

CONTROLLED DOCUMENT

Melcher

to ~~Gritterden~~ 12/29

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Ind. only set 7 maps

ϕ FB

FILE COPY
SURNAME:

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

Brewer
Selfridge
Theden
Johnson
Johnson

MAR 17 1952

Commonwealth Mining Company
P.O. Box 197
Deadwood, South Dakota

Re: Docket No. DMA 2231X - Manganese
Commonwealth Mining Company
Reindeer Group
Lawrence County, South Dakota

Gentlemen:

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Sincerely yours,

C. O. Mittendorf

S.N. 3-17-52

Acting Administrator
Defense Minerals Exploration
Administration

QLBrewer'lm
3/13/52

cc: Admn. Reading File
Docket
N. B. Melcher, USBM
M. D. Crittenden, USGS
Field Team Reg. V
G. C. Selfridge
Q. L. Brewer

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

March 13, 1952

Memorandum

To: Acting Administrator, Defense Minerals Exploration Administration

From: Iron and Ferro-Alloy Division, Defense Minerals Exploration Administration

Subject: Denial of application for exploration loan in the amount of $4,650.00
Docket No. DMA 2231X - Manganese
Reindeer Group
Lawrence County, South Dakota

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G. C. Selfridge.

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

FILE COPY
SURNAME:

Brewer
Selfridge

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

March 13, 1952

G.S. in R. R.

Memorandum

To: Acting Administrator, Defense Minerals Exploration Administration

From: Iron and Ferro-Alloy Division, Defense Minerals Exploration Administration

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Docket No. DMA 2231X - Manganese
Reindeer Group
Lawrence County, South Dakota

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George C. Selfridge

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

QLBrewer'lm
3/13/52

cc: Admn. Reading File
Docket
G. C. Selfridge
Q. L. Brewer

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

March 11, 1952

Memorandum

To: Mr. G. C. Selfridge, DMEA

From: Norwood B. Melcher

Subject: DMA 2231 - Commonwealth Mining Co., Deadwood, South Dakota: Reindeer Group Property, Lawrence County, South Dakota - Manganese

A check of the Bureau of Mines report files indicates that no investigation of this property has been made.

No report on the property was received with the application but a map of the Reindeer Tunnel contained the following results of assays for manganese:

Sample	Manganese, percent
R-3	4.22
R-4	57.57 (stringer of mineral)
R-5a	5.18
R-11	2.32

On the basis of these assays, the expenditure of $4,650. for drilling does not appear warranted. It is suggested, however, that the applicant be given the opportunity of submitting a report, if he so desires.

Norwood B. Melcher

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : George C. Selfridge DATE: January 4, 1952

FROM : M. D. Crittenden

SUBJECT: DMEA 2231

65

The applicant proposes to spend $4,650 to diamond drill a property called the Reindeer Group in unsurveyed T. 4 N., R. 4 E., 7 miles southeast of Deadwood, South Dakota.

The Geological Survey has no information about this specific property. Moreover, a report mentioned under question 18 is not attached. There is a map, however, which shows a 300-foot adit presumably along a fault or mineralized fissure cutting shale and porphyry. Four assays are listed, as follows: 4.22, 5.18, 2.36 and 57.57% Mn. The latter is reported to be a single "stringer of mineral."

On the basis of the assays reported, and the fact that none of the several other small prospects known in the Black Hills contain more than a few hundred tons of material averaging 5 to 30 percent Mn, the prospect for a significant discovery appears to be too poor to warrant further consideration or a field referral.

Marvin D. Crittenden Jr.

George C. Selfridge

January 4, 1952

M. D. Crittenden

DMEA 2231

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On the basis of the assays reported, and the fact that none of the several other small prospects known in the Black Hills contain more than a few hundred tons of material averaging 5 to 30 percent Mn, the prospect for a significant discovery appears to be too poor to warrant further consideration or a field referral.

MDCrittenden:gt

November 20, 1951

Mr. Edward A. Meyer, President
Box 197
Deadwood, South Dakota

Subject: DMA-2231
Re: Exploration Loan
Commonwealth Mining Co.

My dear Mr. Meyer:

This will acknowledge receipt of your application dated November 12, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMA- 2231 and referred to the Iron & Ferro Alloys Branch.

Kindly refer to DMA- 2231 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams

Robert E. Adams, Chief
Reports and Records Unit

Form MF-103
(April 1951)

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. D. M. A. 2231

Date received 11-19-51

Participation

Commonwealth Min Co
Box 197
Deadwood So Dak

Name and address of applicant

Date Nov 12 - 1951

FILL IN THIS BLOCK

Date of application November 12 - 1951

Estimated cost $4650.00

Mineral or metal ~~Manganese and Tungsten~~

Percentage of Government participation 75%

Location of mine 7 Miles S. E. Deadwood

Date of filing MF-100

DMA Docket Number, if available

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.

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.

DEPARTMENT OF THE INTERIOR
Bureau of Mines Minerals Administration
RECEIVED
NOV 16 1951

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.

Commonwealth Mining Co
(Name of company)

By Edward G. Meyer
(Signature of authorized official)

October 30 1951
(Date)

President
(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

DEFENSE MINERALS ADMINISTRATION

Answers

1. Corporation

2.

3. William N. Byrne, 475 North 125th Street, Butler, Wisconsin; Oscar Shakstad, 1206 South Minnesota Avenue, Sioux Falls, South Dakota; Enno C. Strahl, 223 E. Detroit Street, Milwaukee 2, Wisconsin; William J. Jackson, 406 Euclid Street, Iephenning, Michigan; Merle H. Johnson, Oshkosh, Wisconsin; Edward A. Meyer, Oshkosh, Wisconsin; and Joseph J. Meyer, Oshkosh, Wisconsin.

4. (a) Oscar Shakstad of Sioux Falls, South Dakota, and he owns and manages the Shakstad Electric Company.
   (b) Martin Breenahan, fifty years experience in prospecting, mining management, and at present forman of the Commonwealth Mining Company. Reference First National Bank of the Black Hills, Deadwood Office, C. O. Gorder, President.

5. Owner of the property.

6. No liens or encumbrances against the property.

7.

8. Newly organized corporation.

9. It is sufficent to pay our part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation.

10. (a) And the following unpatented lode mining claims, located in the Bear Butte and Whiteweed Mining Districts, original location certificates thereof being of record in the Register of Deeds office in said County and State, in the respective books and pages, for more detail description of which reference to said records is hereby made, and such record description thereof is made a part hereof and incorporated herein by reference thereto, to-wit:

Reindeer Lode #1	in Book 188	at Page 433
Reindeer Lode #2	in Book 188	at Page 434
Reindeer Lode #3	in Book 155	at Page 600
Reindeer Fraction Lode	in Book 188	at Page 433
Gilmore Fraction Lode	in Book 188	at Page 434
Llewellyn Lode	in Book 188	at Page 435

   (b) Commencing at the S. W. corner of the Ossa lode, mineral survey No. 1575, running thence S. 32° 45' W. 849.7 feet, thence S. 6° 14' E. 277.1 feet, thence S. 7° 50' W. 354.7 feet, thence S. 7° 05' W. 263 feet, thence S. 11° 40' E. 595.5 feet, thence S. 11° 34' E. 665.7 feet, thence S. 62° 02' E. 205.9 feet; thence N. 64° 08' E. 934.1 feet, thence N. 42° 43' E. 243.5 feet, thence N. 46° 30' E. 527.7 feet; thence N. 3° 11' E. 502.5 feet, thence approximately N. 45° E. 175 feet, thence N. 73° 05' W. 303.7 feet, thence N. 37° W. 585 feet, said ground being bounded on the N. and E. by Mineral Survey N. 1575, on the N. and W. by Mineral Survey No. 1895, and on the Southwest by Mineral Survey No. 1399; containing approximately 102 acres.

   Both areas are the same.

11. The former name was Golden Crest Mining Company, and the present name is the Commonwealth Mining Company.

12. Seven miles Southeast of Deadwood, South Dakota, Burlington Railroad shipping point, Deadwood, South Dakota. Five miles of hard surface road, two miles of well-conditioned dirt road.

13-14 Sufficient water available for mining and milling for all seasons. Power line on property contemplated exploration development, diamond drilling with gas engine.

15. Will be shipped by railroad to any marketable, refining mills or to government stock piles.

16. (a) Property has been owned by present company, Commonwealth Mining Company formerly Gold Crest Mining Company, for the past 40 years.
(b) Pioneer tungsten Company joins the Commonwealth Mining Company properties, whom is a small producer of tungston ore during World Wars I and II.

17. None

18. ~~None~~. Report attached. Will enclosed map.

19. None

20. Manganese and Tungston

21. Contemplate drilling 8 to 10 diamond drill holes 100 to 125 feet deep, estimated time 60 days.

22. Report and maps included.

23. (a) Truck driver $10 per day
(b) One supervisor $400 per month (half of this salary to be charged to the project and half to the Commonwealth Mining Company)

(d through I)

Cost of 1000 ft. diamond drilling at $3.25 per ft.		3,250
cost of truck and driver $15.00 per day	450 per M.	900
cost of supervising	400	400
core boxes		100

24. Total expected to be spent $4,650.00 approximately two months, from start of drilling operations which will be as soon as possible provided loan is approved.

(23) Cost of truck and driver hauling water for drilling

Form MF-103
(April 1951)

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. D. M. A. 2231

Date received 11-19-51

Participation

Commonwealth Min Co
Box 197
Deadwood So Dak

Name and address of applicant

Date Nov 12-1951

FILL IN THIS BLOCK

Date of application November 12-1951

Estimated cost 4650.00

Mineral or metal Manganese and Tungsten

Percentage of Government participation 75

Location of mine 7 miles S. E. Deadwood

Date of filing MF-100

DMA Docket Number, if available

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.

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*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.

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16—64067-1

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*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.
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    (*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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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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    (*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.

Commonwealth Mining Co. Inc. (Name of company) By Edward A. Meyer (Signature of authorized official)

October 30-1957 (Date) President (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

DEFENSE MINERALS ADMINISTRATION

Answers

1. Corporation

2.

3. William H. Byrne, 473 North 125th Street, Butler, Wisconsin; Oscar Shakstad, 1206 South Minnesota Avenue, Sioux Falls, South Dakota; Hans C. Strahl, 223 E. Detroit Street, Milwaukee 2, Wisconsin; William J. Jackson, 406 Euclid Street, Iaphoming, Michigan; Merle M. Johnson, Oshkosh, Wisconsin; Edward A. Meyer, Oshkosh, Wisconsin; and Joseph J. Meyer, Oshkosh, Wisconsin.

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(b) Martin Bremsbhen, fifty years experience in prospecting, mining management, and at present foreman of the Commonwealth Mining Company. Reference First National Bank of the Black Hills, Deadwood Office, C. G. Gorder, President.

5. Owner of the property.

6. No liens or encumbrances against the property.

7.

8. Newly organized corporation.

9. It is sufficent to pay our part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation.

10. (a) And the following unpatented lode mining claims, located in the Bear Butte and Whitewood Mining Districts, original location certificates thereof being of record in the Register of Deeds office in said County and State, in the respective books and pages, for more detail description of which reference to said records is hereby made, and such record description thereof is made a part hereof and incorporated herein by reference thereto, to-wit:

Reindeer Lode #1	in Book 188	at Page 433
Reindeer Lode #2	in Book 188	at Page 434
Reindeer Lode #3	in Book 155	at Page 600
Reindeer Fraction Lode	in Book 188	at Page 433
Gilmore Fraction Lode	in Book 188	at Page 434
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(b) Commencing at the S. W. corner of the Osca lode, mineral survey No. 1575, running thence S. 32° 45' W. 849.7 feet, thence S. 6° 14' E. 277.1 feet, thence S. 7° 50' W. 354.7 feet, thence S. 7° 05' W. 263 feet, thence S. 11° 40' E. 595.5 feet, thence S. 11° 34' E. 665.7 feet, thence S. 62° 02' E. 205.9 feet; thence N. 64° 08' E. 934.1 feet, thence N. 42° 43' E. 243.5 feet, thence N. 46° 30' E. 527.7 feet; thence N. 3° 11' E. 502.5 feet, thence approximately N. 45° E. 175 feet, thence N. 73° 05' W. 303.7 feet, thence N. 57° W. 585 feet, said ground being bounded on the S. and E. by Mineral Survey N. 1575, on the N. and W. by Mineral Survey No. 1695, and on the Southwest by Mineral Survey No. 1399; containing approximately 102 acres.

Both areas are the same.

11. The former name was Golden Crest Mining Company, and the present name is the Commonwealth Mining Company.

12. Seven miles Southeast of Deadwood, South Dakota, Burlington Railroad shipping point, Deadwood, South Dakota. Five miles of hard surface road, two miles of well-conditioned dirt road.

13-14. Sufficient water available for mining and milling for all seasons. Power line on property contemplated exploration development, diamond drilling with gas engine.

15. Will be shipped by railroad to any marketable, refining mills or to government stock piles.

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(b) Pioneer Tungsten Company joins the Commonwealth Mining Company properties, where a small producer of tungsten ore during World Wars I and II.

17. None

18. DMAS. Report attached. Will enclosed map.

19. None

20. Manganese and Tungsten

21. Contemplate drilling 8 to 10 diamond drill holes 100 to 125 feet deep, estimated time 60 days.

22. Report and maps included.

23. (a) Truck driver $10 per day
(b) One supervisor $400 per month (half of this salary to be charged to the project and half to the Commonwealth Mining Company)

(c thru h 1)

Cost of 1000 ft. diamond drilling at $3.25 per ft.		3,250
cost of truck and driver $15.00 per day	450 per M.	600
cost of supervising	400	400
core boxes		100

24. Total expected to be spent $4,650.00 approximately two months, from start of drilling operations which will be as soon as possible provided loan is approved.

(23) cost of truck and driver hauling water for drilling

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. D. M. A. 2231

Date received 11-19-51

Participation

Commonwealth Min. Co
Box 197
Deadwood So Dak

Name and address of applicant

Date Nov 12-1951

FILL IN THIS BLOCK

Date of application November 12-1951

Estimated cost ~~460.00~~

Mineral or metal ~~Manganese and Tungsten~~

Percentage of Government participation 75%

Location of mine 7 Miles S. E. Deadwood

Date of filing MF-100

DMA Docket Number, if available

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.

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

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    (*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.

Commonwealth Mining Corp. By Edward A. Meyer
(Name of company) (Signature of authorized official)

October 30-1957 President
(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

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Answers

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Form MF-103
(April 1951)

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DEFENSE MINERALS ADMINISTRATION

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

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DO NOT FILL IN THIS BLOCK

Docket No. D.M.A. 2231

Date received 11-19-51

Participation

Commonwealth Mine Co
Box 197
Deadwood So. Dak.

Name and address of applicant

Date Nov 12-1951

FILL IN THIS BLOCK

Date of application November 12 1951

Estimated cost 4630.00

Mineral or metal ~~Manganese and Tungsten~~

Percentage of Government participation 75

Location of mine 7 Miles S. E. Deadwood

Date of filing MF-100

DMA Docket Number, if available

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DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 16 1951

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16—64067-1

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Commonwealth Mining Co By Edward H. Meyers
(Name of company) (Signature of authorized official)

October 30-1957 President
(Date) (Title)

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20. Manganese and Tungsten

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23. (a) Truck driver $10 per day
(b) One supervisor $400 per month (half of this salary to be charged to the project and half to the Commonwealth Mining Company)

(d through I)

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cost of truck and driver $15.00 per day	450 per M.	800
cost of supervising	400	400
core boxes		100

24. Total expected to be spent $4,650.00 approximately two months, from start of drilling operations which will be as soon as possible provided loan is approved.

(23) Cost of truck and driver hauling water for drilling

Claim Located All other Locations made April 10, 1901

Mineral Survey No. 1990

L.O.T. No.

Rapid City Land District.

PLAT

OF THE CLAIM OF

Golden Crest Mining Company

KNOWN AS THE

Reindeer Fraction et al Lodes

IN Bear Butte MINING DISTRICT,
Lawrence COUNTY, South Dakota
Containing an Area of 83.831 Net Acres.
Scale of 300 Feet to the inch.
Declination 15° E.

SURVEYED October 17-29, 1908 BY
Frank S. Peck,
U.S. Deputy Mineral Surveyor,

The Original Field Notes of the Survey of the Mining Claim of Golden Crest Mining Company known as the Reindeer Fraction, Reindeer Nos. 3, 2 and 1, Llewellyn and Gillmore Fraction lodes

from which this plat has been made under my direction have been examined and approved, and are on file in this Office; and I hereby certify that they furnish such an accurate description of said Mining Claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

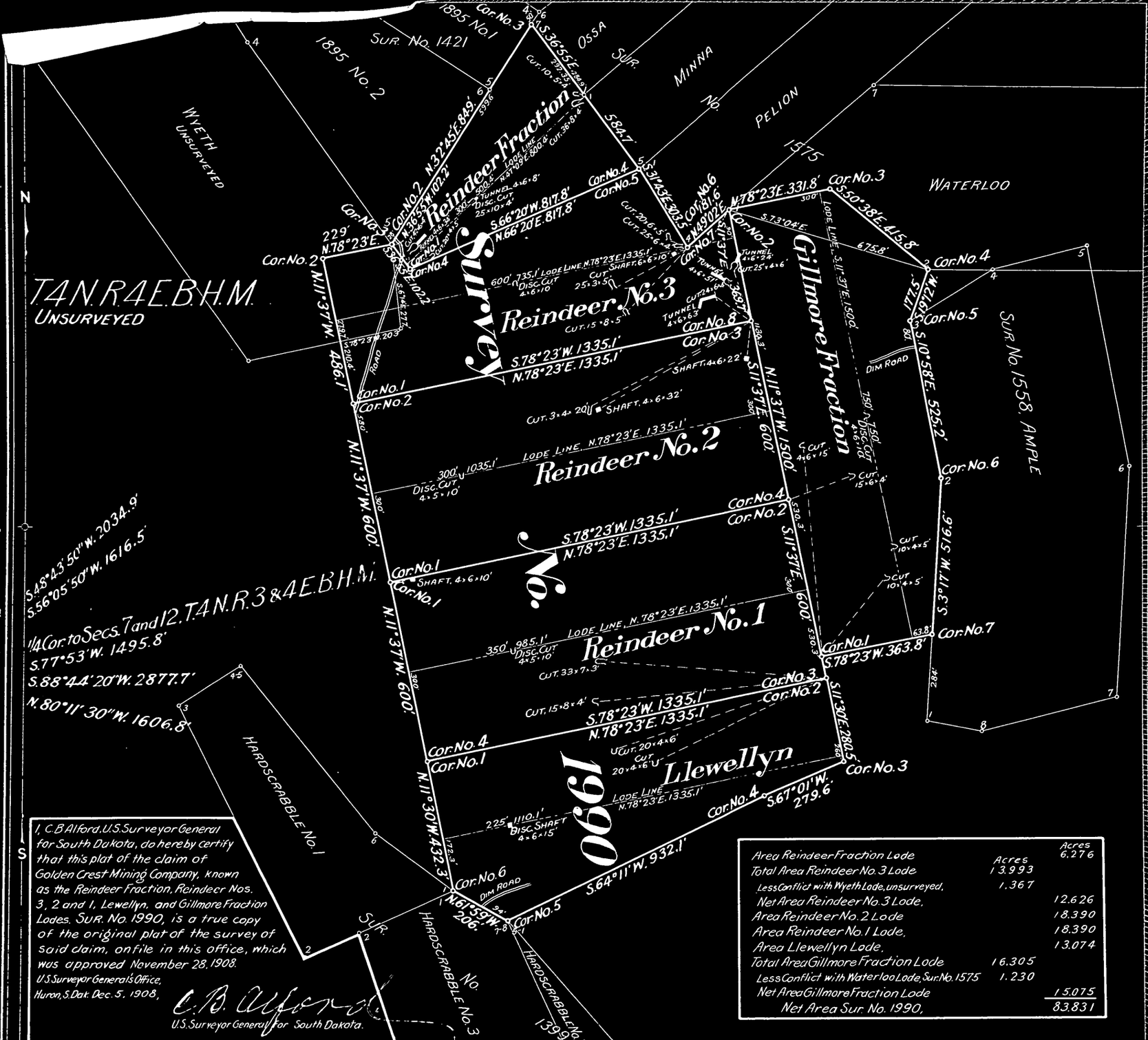
I further certify that Hundred Dollars worth of labor has been expended or improvements made upon said Mining Claim by claimant or its grantors, and that said improvements consist of 5 shafts, 24 cuts and 5 tunnels;

that the location of said improvements is correctly shown upon this plat, and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

And I further certify that this is a correct plat of said Mining Claim made in conformity with said original field notes of the survey thereof, and the same is hereby approved.

U.S. Surveyor General's Office.
Huron, South Dakota,
November 28, 1908.

C. B. Alford
U.S. Surveyor General for
South Dakota.



I, C. B. Alford, U.S. Surveyor General for South Dakota, do hereby certify that this plat of the claim of Golden Crest Mining Company, known as the Reindeer Fraction, Reindeer Nos. 3, 2 and 1, Lewellyn, and Gillmore Fraction Lodes. SUR. No. 1990, is a true copy of the original plat of the survey of said claim, on file in this office, which was approved November 28, 1908.

U.S. Surveyor General's Office,
Huron, S. Dak. Dec. 5, 1908.

C. B. Alford
U.S. Surveyor General for South Dakota.

	Acres	Acres
Area Reindeer Fraction Lode		6.276
Total Area Reindeer No. 3 Lode	13.993	
Less Conflict with Wyeth Lode, unsurveyed,	1.367	
Net Area Reindeer No. 3 Lode,		12.626
Area Reindeer No. 2 Lode		18.390
Area Reindeer No. 1 Lode,		18.390
Area Llewellyn Lode,		13.074
Total Area Gillmore Fraction Lode	16.305	
Less Conflict with Waterloo Lode, Sur. No. 1575	1.230	
Net Area Gillmore Fraction Lode		15.075
Net Area Sur. No. 1990,		83.831

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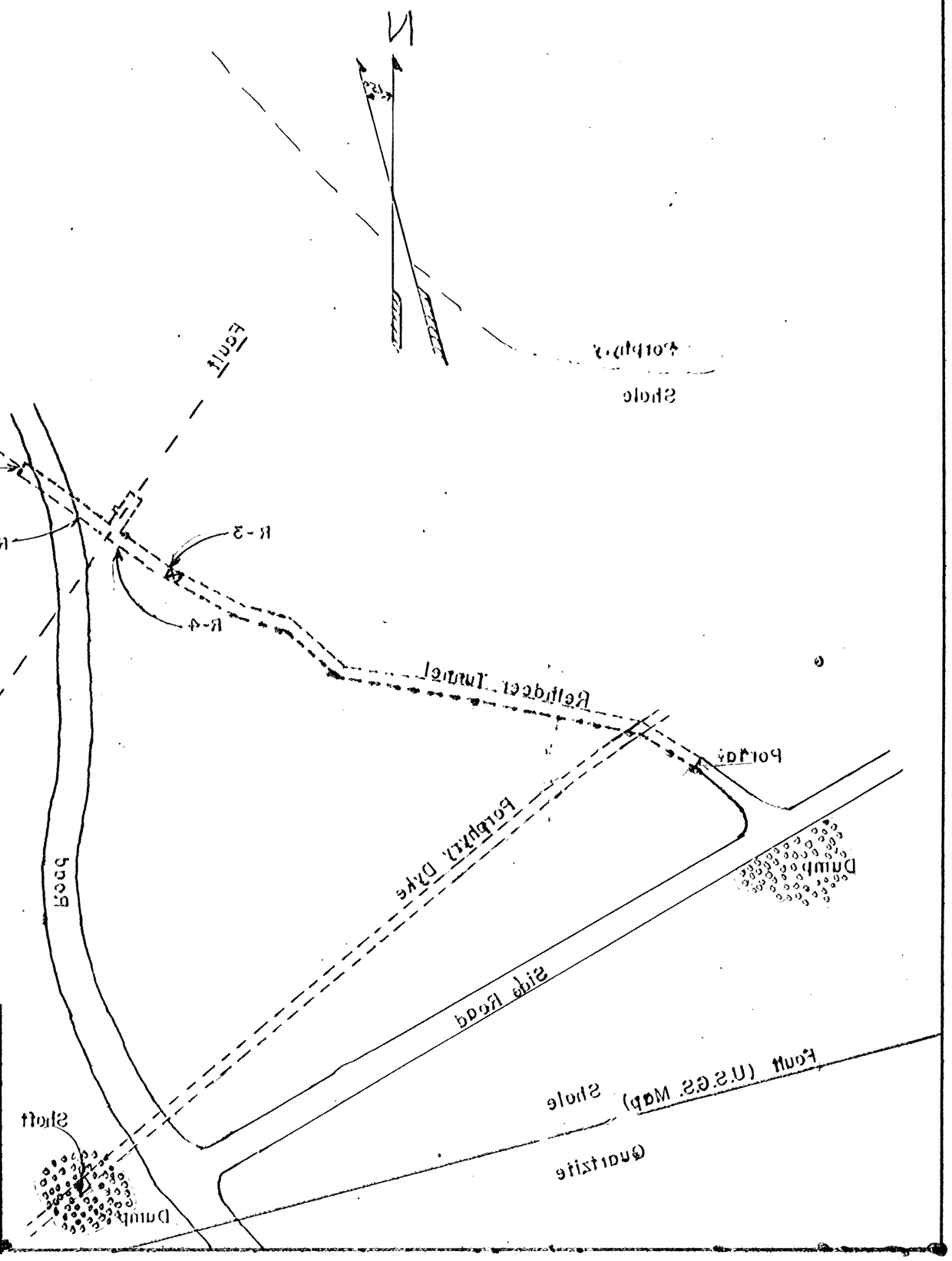

Sample	% Molybdenite
R-5	4.22
R-4	5.25% (stringer of mineral)
R-5A	5.18
R-11	2.36

Map of Reindeer Tunnel
COMMONWEALTH MINING COMPANY
Deadwood, South Dakota
Scale 1 inch=50 feet
by A.E. McHugh, November 1951