DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 524X

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

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:	Gowen	Date	8/14/51
To:	Lyon	Date	8/27/51
To:	Adm. Management Div. AUG 29 1951	Date	AUG 29 1951
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INT.-DUP. SEC., WASH., D.C. 988

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

a, E. C.

AUG 30 1951

MEMORANDUM

To: Administrative Management Division

From: Director, Supply Division

Subject: Application for exploration aid of Mr. Julius Redelius, 1120 Locust Street, Reno, Nevada (DMA-524X) Commodity Copper.

Denial of this application is recommended for the following reasons:

1. Bureau of Mines Preliminary Report on the North View Copper Mine September 1950 states that prospecting to date has not proved the existance of any significant copper deposit.

2. Field Team, Region II reports that continuation of the old 1950 trenching has not furnished any additional information and in fact it appears to be less attractive.

3. Expenditures for bulldozing the entire Mountain side is not warranted.

4. Because of the topography and dip of the vein exploration by diamond drilling would be costly.

5. The applicant will continue trenching regardless of the decisions on his application altho the field team thinks he should continue his exploration along other lines.

A letter has been prepared for my signature informing the applicant of this denial.

Transmitted herewith for your deposal is the entire file consisting of the following:

2 Forms MF-100
2 Forms MF-103
1 Answer sheet of 3 pages dated May 10, 1951
2 Copies on North View Copper Mine, Washhoe, County, Nevada by R. R. Trengove dated September 1950
2 Copies of Field Team Region III Report on North View Copper Deposit dated August 1, 1951 by R. R. Trengove

2 Copies of DMA Reviews of Application for Exploration Assistance

1 Original letter from Mr. H. C. Miller to Tom Lyon, dated August 9, 1951

1 Form letter from Tom Lyon to Mr. H. C. Miller dated June 13, 1951.

Tom Lyon

Tom Lyon, Director
Supply Division

FILE COPY
SURNAME:

Wayne Bowen
Williams
Johnson

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

AUG 30 1951

O.K.C.

MEMORANDUM

To: Administrative Management Division

From: Director, Supply Division

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4. Because of the topography and dip of the vein exploration by diamond drilling would be costly.

5. The applicant will continue trenching regardless of the decisions on his application altho the field team thinks he should continue his exploration along other lines.

A letter has been prepared for my signature informing the applicant of this denial.

Transmitted herewith for your deposal is the entire file consisting of the following:

2 Forms NV-100
2 Forms NV-103
1 Answer sheet of 3 pages dated May 10, 1951
2 Copies on North View Copper Mine, Washhoe, County, Nevada by R. R. Trengove dated September 1950
2 Copies of Field Team Region III Report on North View Copper Deposit dated August 1, 1951 by R. R. Trengove

2 Copies of DMA Reviews of Application for Exploration Assistance

1 Original letter from Mr. N. C. Miller to Tom Lyon, dated August 9, 1951

1 Form letter from Tom Lyon to Mr. N. C. Miller dated June 13, 1951.

8/30 cc

Tom Lyon
Tom Lyon, Director
Supply Division

RVWaugh:ez
8/27/51

Copy to: Reports and Records Branch
Executive Officer, DMA Field TeamIII
J.B.Gowen
C.H.Johnson
D.MacLaren
Files - Docket DMA

AUG 8 D

MEMORANDUM

To: Administrative Management Division

From: Director, Supply Division

Subject: Application for exploration aid of Mr. Julius Redelius, 1120 Locust Street, Reno, Nevada (NV1-524X) Commodity Copper.

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2. Field Team, Region II reports that continuation of the old 1950 trenching has not furnished any additional information and in fact it appears to be less attractive.

3. Expenditures for bulldozing the entire Mountain side is not warranted.

4. Because of the topography and dip of the vein exploration by diamond drilling would be costly.

5. The applicant will continue trenching regardless of the decisions on his application althe the field team thinks he should continue his exploration along other lines.

A letter has been prepared for my signature informing the applicant of this denial.

Transmitted herewith for your deposal is the entire file consisting of the following:

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2 Forms NV-103
1 Answer sheet of 3 pages dated May 10, 1951
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2 Copies of DMA Reviews of Application for Exploration Assistance

1 Original letter from Mr. N. C. Miller to Tom Lyon, dated August 9, 1951

1 Form letter from Tom Lyon to Mr. N. C. Miller dated June 13, 1951.

Tom Lyon

Tom Lyon, Director
Supply Division

RVVmuch:es
8/27/51

Copy to: Reports and Records Branch
Executive Officer, DMA Field TeamIII
J.B.Gowen
C.H.Johnson
D.MacLaren
Files - Docket DMA

FILE COPY
SURNAME:

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

a. E. C

Gowen
Johnson

Mr. Juline Hedelius
1120 Locust Street
Reno, Nevada

Re: Docket No. DMA-5247

Dear Mr. Hedelius:

Your application for exploration aid has been reviewed by the Defense Minerals Administration and we are sorry to inform you that it must be denied.

From the material submitted with your application and the material available to the Government it is felt that the project as you have outlined it does not show sufficiently good geological probabilities to justify inclusion in the copper program at the present time.

Very truly yours,

Tom Lyon

Tom Lyon, Director
Supply Division

RVWaughies
3/27/51

Copy to: Reports and Records Branch
Executive Officer, DMA Field Team III
J.H.Gowen,
C.H.Johnson
D.MacLaren
Files - DMA Docket

Mr. Julius Redelius
1120 Locust Street
Reno, Nevada

Re: Docket No. DMA-524X

Dear Mr. Redelius:

Your application for exploration aid has been reviewed by the Defense Minerals Administration and we are sorry to inform you that it must be denied.

From the material submitted with your application and the material available to the Government it is felt that the project as you have outlined it does not show sufficiently good geological probabilities to justify inclusion in the copper program at the present time.

Very truly yours,

Tom Lyon, Director
Supply Division

RWWaugh:ez
8/27/51

Copy to: Reports and Records Branch
Executive Officer, DMA Field Team III
J.B.Gowen,
C.H.Johnson
D.MacLaren
Files - DMA Docket

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMA-524X, North View Copper Deposit

Washoe County, Nevada

Russell R. Trengove, Mining Engineer
U. S. Bureau of Mines

August 1, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 13 1951

DOCKET DMA-524X

UNITED STATES DEPARTMENT OF THE INTERIOR - BUREAU OF MINES

NORTH VIEW COPPER DEPOSIT, WASHOE COUNTY, NEV.

SUMMARY, RECOMMENDATIONS and CONCLUSIONS

The North View copper deposit was examined by an engineer[1/] of the Bureau of Mines in September, 1950 and his report follows as a supplement to this report. The property was again examined by a Bureau engineer[1/] in July 1951.

Trenching was in progress during the month of July 1951. The old 1950 trenching has been bulldozed to a lower depth but this work, costing about $3,000, has not furnished any additional information. In fact, it appears to be less attractive.

The owner, Mr. Julius Redelius, in his supplementary letter to form MF-103, dated May 10, 1951, replying to question 21, states, "To explore by dozer #19, all surface copper indications within the area of holdings. I have had good results by this method and I intend to continue thus." The property consists of 20 claims. Expenditures for bulldozing the entire mountain side is not warranted. The proper procedure would be to follow the ore down the dip, as high grade copper sulphides have been found in spots. Because of the topography and dip of the vein, exploration by diamond drilling would be costly.

Mr. Redelius has no liens against the property. There is no equipment on the property. All bulldozing has been contracted. He stated that he will continue his present stripping program with or

1/ R. R. Trengove.

without Government assistance.

The request for Government assistance in exposing the oxide zone on the surface should be denied.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 13 1951

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMA-524X, North View Copper Deposit

Washoe County, Nevada

Russell R. Trengove, Mining Engineer
U. S. Bureau of Mines

August 1, 1951

DOCKET DMA-524X

UNITED STATES DEPARTMENT OF THE INTERIOR - BUREAU OF MINES

NORTH VIEW COPPER DEPOSIT, WASHOE COUNTY, NEV.

SUMMARY, RECOMMENDATIONS and CONCLUSIONS

The North View copper deposit was examined by an engineer[1] of the Bureau of Mines in September, 1950 and his report follows as a supplement to this report. The property was again examined by a Bureau engineer[1] in July 1951.

Trenching was in progress during the month of July 1951. The old 1950 trenching has been bulldozed to a lower depth but this work, costing about $3,000, has not furnished any additional information. In fact, it appears to be less attractive.

The owner, Mr. Julius Rodelius, in his supplementary letter to form MF-105, dated May 10, 1951, replying to question 21, states, "To explore by dozer #19, all surface copper indications within the area of holdings. I have had good results by this method and I intend to continue thus." The property consists of 20 claims. Expenditures for bulldozing the entire mountain side is not warranted. The proper procedure would be to follow the ore down the dip, as high grade copper sulphides have been found in spots. Because of the topography and dip of the vein, exploration by diamond drilling would be costly.

Mr. Rodelius has no liens against the property. There is no equipment on the property. All bulldozing has been contracted. He stated that he will continue his present stripping program with or

1/ R. R. Trengove.

without Government assistance.

The request for Government assistance in exposing the oxide zone on the surface should be denied.

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 524X

Commodity Copper

Total Amount $15,000

Govt. Participation $7,500

1. Name and Address of Applicant Julius Redelius, 1120 Locust St., Reno, Nevada.

2. Location of Property Secs. 10 and 15, T20N, R18E, Peavine District, Washoe Co., Nev. 15 mi. n. of Reno.

3. Mineral or metal Copper Is it listed in Section 9 of MO-5?

If not, application will be rejected.

4. Geologic probability of discovery -- based on data in application (question #16, 17, 18, 20 and 22).*

Mines or Survey reports etc., do you rate chances:

a) Good

b) Poor Report by Trengove says property has some exploratory possibilities, but he is not definite enough to permit a decision to be reached. Has here; also applicant probably has done more work since.

c) None

d) Don't know -- needs field examination ✓

e) Is there an alternative and favorable project? (If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? (question 5, 6, 7) State definitely that he is the owner and no liens against property

6. If applicant is a lessee, is a copy of the lease attached?

Does the lease have sufficient time to run to cover a future productive period?

*Question numbers are those of MF-103

7. Are subordination agreements necessary? No

a) MF-201?

b) MF-202

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower Yes

b) Equipment and supplies Yes
(question 14 plus general knowledge of availability)

c) Accessibility (question 12) Yes

d) Water (question 13) Yes

e) Power (question 13) Yes

Is a field check needed on any of these points? Equipment situation should be checked when field exam. is made.

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4) Says it is, but gives no confirming data.

Is a field check needed on this point? Yes

10. Exhibit A. (questions 21 and 22)

a) Is the project adequately described? No. He merely says "to explore by bulldozer all surface copper indications on entire area of holdings" (20 claims)
If not, are there sufficient data given so that you can describe the project? No If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? None

c) Is the proposed work "exploration" under the definition of Section 8, MD-5? Proposed road work may or may not be necessary
If not, what part of it is?

Is this part a worthwhile exploration project? _____

d) Are the cost estimates detailed? No

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? No If so, attach a draft.

e) Are the cost estimates reasonable? _____

f) Should more information be requested from applicant? _____

g) Is a field examination necessary to complete Exhibit A? Yes

11. Exhibit B (question 23-d)

a) Is it applicable? No

b) If so, are sufficient data furnished? _____ If so, attach a draft.

c) Is a field check needed? _____

12. Exhibit C (question 23-e, f and g)

a) Is it applicable? Yes

b) Sufficient data? No If so, attach a draft.

c) Are rents and charges reasonable? _____

d) Is a field check needed? Yes

13. Exhibit D (question 23-a,b)

a) Are there sufficient data? _____

b) Is the schedule adequate for the work proposed? No definite amount of work is proposed.

c) Is the schedule excessive for the work proposed? _____

d) Are the proposed wages and salaries reasonable? _____

e) Is a field check needed? Yes

14. Exhibit E (question 23-c)

a) Is it applicable? No

b) Sufficient data?

c) Reasonable?

d) Field check needed?

15. In your judgment, can the proposed work be done in the proposed time? No quantities specified

(All exploration must be completed within two years.)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing questions? First determine if exploratory chances are good enough, then if so try to agree with applicant on a suitable kind and location and amount of work, and prepare suitable sketch or sketches, work schedules, etc.

Reviewed by: C H Johnson 6/9/57
J B Gowen
D R Macbane

Date

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 524 X

Core Pol. I

Commodity Copper

Total Amount $15,000

Govt. Participation $7,500

1. Name and Address of Applicant Julius Redelius, 1120 Locust St., Reno, Nevada.

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c) None

d) Don't know --- needs field examination ✓

e) Is there an alternative and favorable project? (If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? (question 5, 6, 7) State definitely that he is the owner and no liens against property

6. If applicant is a lessee, is a copy of the lease attached?

Does the lease have sufficient time to run to cover a future productive period?

*Question numbers are those of MF-103

7. Are subordination agreements necessary? No

a) MF-201?

b) MF-202

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower Yes

b) Equipment and supplies Yes
(question 14 plus general knowledge of availability)

c) Accessibility (question 12) Yes

d) Water (question 13) Yes

e) Power (question 13) Yes

Is a field check needed on any of these points? Equipment situation should be checked when field exam. is made.

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4) Says it is, but gives no confirming data.

Is a field check needed on this point? Yes

10. Exhibit A. (questions 21 and 22)

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If not, are there sufficient data given so that you can describe the project? No If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? None

c) Is the proposed work "exploration" under the definition of Section 8, MD-5? Proposed road work may or may not be necessary
If not, what part of it is?

Is this part a worthwhile exploration project? _____

d) Are the cost estimates detailed? No

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? No If so, attach a draft.

e) Are the cost estimates reasonable? _____

f) Should more information be requested from applicant? _____

g) Is a field examination necessary to complete Exhibit A? Yes

11. Exhibit B (question 23-d)

a) Is it applicable? No

b) If so, are sufficient data furnished? _____ If so, attach a draft.

c) Is a field check needed? _____

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b) Sufficient data? No If so, attach a draft.

c) Are rents and charges reasonable? _____

d) Is a field check needed? Yes

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a) Are there sufficient data? _____

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c) Is the schedule excessive for the work proposed? _____

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e) Is a field check needed? Yes

14. Exhibit E (question 23-c)

a) Is it applicable? No

b) Sufficient data?

c) Reasonable?

d) Field check needed?

15. In your judgment, can the proposed work be done in the proposed time? No quantities specified

(All exploration must be completed within two years.)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing questions? First determine if exploratory chances are good enough, then if so try to agree with applicant on a suitable fund and location and amount of work, and prepare suitable sketch or sketches, work schedules, etc.

Reviewed by: C H Johnson 6/9/51
J A Gowan 6/9/51
D R Mathews

Date 6-9-51

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~BUREAU OF MINES~~
~~REGION III~~
DEFENSE MINERALS ADMINISTRATION

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

~~630 SANSOME STREET~~
~~SAN FRANCISCO 11, CALIF.~~

OFFICE OF
~~REGIONAL DIRECTOR~~
Executive Officer
DMA Field Team
Region III

August 9, 1951

Memorandum

To: Tom Lyon, Chairman, Coordinating Committee, Defense Minerals Administration, Washington, D. C.

From: Executive Officer, DMA Field Team, Region III

Subject: Docket DMA-524X - Copper - Exploration Loan $15,000 Julius Redelius, Reno, Nevada.

Reference is made to your "Review of Application for Exploration Assistance", dated June 13, requesting a field examination of subject property.

The property has been examined and attached are four copies of a report, "DMA-524X, North View Copper Deposit, Washoe County, Nevada", by Russell R. Trengove, Mining Engineer, Bureau of Mines, dated August 1, 1951.

In connection with the examination, Mr. A. C. Johnson, Chief, Mining Division, Bureau of Mines, Region III, Reno, Nevada, writes that "exploration work by Mr. Redelius on his North View Copper Deposit in Washoe County, Nevada, by bulldozer trenching has not indicated the existence of any large deposits of copper. Expenditures for bulldozing the entire mountain side is not warranted. The engineer states that some work would be warranted to follow the ore down dip, as high grade sulphides have been found in spots". In this connection Mr. Johnson states that it is possible that some isolated high grade ore might be found by sinking on the quartz showings.

Docket DMA-524X and correspondence relating thereto are returned herewith.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 13 1951

Attachment

Copy to: E. H. Bailey, USGS

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

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
JUN 1 8 1951
SAN FRANCISCO, CALIFORNIA

Refer to	Noted	Date
Answered		

June 13, 1951

Mr. H. C. Miller
Executive Officer, Field Team, Region III
1415 Appraisers Bldg.
San Francisco, California

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Docket No. 524X

Commodity Copper

Applicant Julius Redelius, Reno, Nev.

Please expedite the consideration of this application with particular reference to the points raised in the attached "Review."

Very truly yours,

Tom Lyon

Tom Lyon, Chairman
Coordinating Committee

Lowell B. Moon
For Bureau of Mines

Olaf T. Rorr
For Geological Survey

FILE COPY
SURNAME:

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

May 23, 1951

Mr. Julius Redelius
1120 Locust Street
Reno, Nevada

Subject: DMA-524X
Re: Exploration Loan
North View Mine

My dear Mr. Redelius:

Receipt is acknowledged of your application and attachments of May 10, 1951.for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-524X and was referred to Mr. J. B. Gowen, Chief, Copper Branch on May 18, 1951.

In any future correspondence relating to your application, kindly refer to DMA-524X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:mab
cc: Strobel-2
Files
Gowen
Lyon

May 23, 1951

Mr. Juliks Redelius
1120 Locust Street
Reno, Nevada

Subject: DMA-524X
Re: Exploration Loan -
North View Mine

My dear Mr. Redelius:

Receipt is acknowledged of your application and attachments of May 10, 1951, for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-524X and was referred to Mr. J. R. Gowen, Chief, Copper Branch on May 18, 1951.

In any future correspondence relating to your application, kindly refer to DMA-524X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:mab
cc: Strobel-2
Files
Gowen
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-524 X

Date received 5/17/51

Participation

Julius Redelius
1120 Locust street
Reno, Nevada.

Name and address of applicant

Date May 10th 1951

FILL IN THIS BLOCK

Date of application May 10th 1951

Estimated cost $15,000.00

Mineral or metal Copper

Percentage of Government participation 50%

Location of mine Sections 10&15 T20NR18E

Date of filing MF-100

DMA Docket Number, if available DMA 524 X

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? Individual

*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. Have been mining and operating since 1911; self.

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

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. None

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. There are None

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)? 50% of $15,000.00

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

16—64067-1

Dma-524 X

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.

North View Mines
(Name of company)

By Julius Pedelius
(Signature of authorized official)

May 10th 1951
(Date)

owner
(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

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dma-524X

Date received 5/17/51

Julius Redelius
1120 Locust street
Reno, Nevada.

Name and address of applicant

Date May 10th 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) ~~XXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX~~ (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (~~6~~ 5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - [x] Owner.
   - [ ] Lessee.
   - [ ] Contractor.
5. Number of years in production ____________
   If not in production or operation, estimated date when production will begin ____________
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*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.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(*a*) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

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.

North View Mines
(Name of company)

By Julius Radelius
(Signature of authorized official)

May 10th 195
(Date)

owner
(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.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dma-524 X

Date received 5/17/51

Julius Redelius
1120 Locust street
Reno, Nevada.

Name and address of applicant

Date May 10th 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) ~~Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5)~~ priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (~~6~~ 5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - [x] Owner.
   - [ ] Lessee.
   - [ ] Contractor.
5. Number of years in production ________
   If not in production or operation, estimated date when production will begin ________
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*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.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(*a*) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

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.

North View Mines
(Name of company)

By Julius Pedelini
(Signature of authorized official)

May 18th 195
(Date)

owner
(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.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 5/18/51

REFERRED TO:

1. Mr. Lauer
2.
3.
4.

FOR:

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

REMARKS:

Check (X) before the items needing attention.

Initials of sender.

GPO 16—63815-1

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dma-534X

Date received 5/17/51

Julius Redelius
1120 Locust street
Reno, Nevada.

Name and address of applicant

Date May 10th 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, ~~(4) Certificate of necessity for purposes of Sec. 124A (Amortization Deduction) of Internal Revenue Code 1950, (5)~~ priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (~~6~~ 5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

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1. Materials produced:
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   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
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   - (*b*) Mining district.
   - (*c*) Township, Section, Range.
   - (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.

   (*b*) Are you operating this property as:
   - [X] Owner.
   - [ ] Lessee.
   - [ ] Contractor.
5. Number of years in production ______

   If not in production or operation, estimated date when production will begin ______
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   - (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   - (*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.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

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(*a*) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

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Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

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.

North View Mines
(Name of company)

May 10th 1951
(Date)

By Julius Rodelius
(Signature of authorized official)

owner
(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.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

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- 524 X

Date received 5/17/51

Participation

Julius Redelius
1120 Locust street
Reno, Nevada.

Name and address of applicant

Date May 10th 1951

FILL IN THIS BLOCK

Date of application May 10th 1951

Estimated cost $15,000.00

Mineral or metal Copper

Percentage of Government participation 50%

Location of mine Sections 10&15 T20NR18E

Date of filing MF-100

DMA Docket Number, if available DMA 524 X

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? Individual

*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 Have been mining since 1911 also operating; self.

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

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. None

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. None

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)? 50% of $15,000.00

*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.

North View Mines
(Name of company)

By Julius Rodelius
(Signature of authorized official)

May 10th 1951
(Date)

owner
(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

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 - 524 X

Date received 5/17/51

Participation

Julius Redelius
1120 Locust street
Reno, Nevada.

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application May 10th 1951

Estimated cost $15,000.00

Mineral or metal Copper

Percentage of Government participation 50%

Location of mine Sections 10&15 T20NR18E

Date of filing MF-100

DMA Docket Number, if available DMA 524 X

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? Individual

*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. Have been mining and operating since 1911; self

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

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. None

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. None

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)? 50% of $15,000.00

*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.

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State amount of power to be used, rate per hour or other cost, and source.
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	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
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*18. Ore or mineral reserves: (If property is or has been operating.)
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5

THE EXPLORATION

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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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    (*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.

North View Mines
(Name of company)

By Julius Rodelius
(Signature of authorized official)

May 10th 1951
(Date)

owner
(Title)

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*Same as footnote on page 1.

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

Form MF
(April 195

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-524X

Date received 5/17/51

Participation

Julius Redelius
1120 Locust street
Reno, Nevada.

Name and address of applicant

Date May 10th 1951

FILL IN THIS BLOCK

Date of application May 10th 1951

Estimated cost $15,000.00

Mineral or metal Copper

Percentage of Government participation 50%

Location of mine Sections 10 & 15 T 20NR18E

Date of filing MF-100

DMA Docket Number, if available DMA 524 X

INSTRUCTIONS

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THE APPLICANT

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

*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. Have been mining and operating since 1911; self

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

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. None

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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. There are None

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)? 50% of $15,000.00

*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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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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(*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.

North View Mines
(Name of company)

By Julius Radelius
(Signature of authorized official)

May 10th 1951
(Date)

owner
(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

Form MF-1
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dma-524X

Date received 5/17/51

Julius Redelius
1120 Locust street
Reno, Nevada.

Name and address of applicant

Date May 10th 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) ~~Certificate of necessity pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5)~~ priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (~~6~~ 5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   ☒ Owner.
   ☐ Lessee.
   ☐ Contractor.
5. Number of years in production ____________
   If not in production or operation, estimated date when production will begin ____________
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*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.

16—63792-1

DMA-524

May 10th 1951.

U. S. Department of the Interior
Defense Mineral Administration
Washimgton 25, DC.

Gentlemen:-

The enclosed ia supplementary to Form MF-103.

1. Individual
4. Have been mining and operating since 1911. self.
5. Owner
6. None
7. None
9. 50% of $15,000.00
10. There is no real property involved; (an old shck--$50.00)
(b) North View, North View #1,2,3,4,5,6,7, Revelation, Revelation #1,2,3,4,5,6,7,8,9,10, and Morning Glory and patented claim #43, located in sections 10 & 15 T20NR18E.
11. North View Mines; formerly the Red Metals Co. operated on a parcel of the holdings
12. The property is 15 miles from Reno; 12 miles on paved road, 3 miles of mountain road; Western Pacific Siding is approx. 3-1/2 miles from mine. Road can be made good truck road for approx. $1700.00
13. A spring has been developed; 30 to 50 gal. per minute; can be enhanced.
14. Camp facilities are not required because of close proximity to Reno. An existing tunnel can be used for powder storage.
15. The plan is to establish volume of ore for milling on the ground
16. Under docket DMA 524 there appears a detail description of the property and hsitory.
17. Copper; sulphides and oxides/
18. To explore by dozer #19, all surface copper indications within the entire areaof holdings. I have had good results by this method and I intend to continue thus.
22. DMA 524.
23. Myself, 1 miner $15.00, 1 mucker $12.00 5 days per week.
(b) None
(d) None
(e) None
(f) Following quotations are all on a 9 hrs. per day basis, to this must be added operators travel time of $3.50 per each day:
Shovel: $12.50; Dozer $12.50; Truck $6.00; 1 compressor $150.00 per month; 1 compressor-$250.00 per month; drills hammers etc.: no charge tabulated
(h) None
(i) Powder, Gasoline, oil, incidentals estimated $1500.00
24. Will start not later than June 15th and will have the money spent in approximately 16 weeks of 5 days each.

U.S. Department of Interior
Defense Mineral Administration
Washington 25, D C.

#2. The breakdown would be approximately as follows:-

self:-	no charge
miner	$15.00
mucker	12.00
shovel or dozer	116.00 ??
compress.	5.00
" "	8.00

9 x 12.50 = 113.50 + 3.50 = 116

$156.00 per day-- 5 days per week:- $780.00 per week
15-16 weeks X 780.00:- approx. $12,480.00
Cost of fixing road for trucking, gasoline, oil, powder and incidentals would make up the difference 2,520.00

Note exp.

close estimate:- $15,000.00

Respectfully submitted

Julius Redelius

Julius Redelius
1120 Locust street
Reno, Nevada.

Reno, Nevada.
May 10th 1951.

U. S. Department of the Interior
Defense Mineral Administration
Washington 25, D. C.

Gentlemen:-

The enclosed is supplementary to Form MF-100.

1. Materials produced:
   (a) Copper
   (b) Gold & Silver
2. North View Mines; part of this property was formerly the RED METALS MINE
   (d) three months of stripping with #19 dozer, also trucking
3. For each of the operations listed above supply the following:-
   (a) Distence to nearest railroad siding is approx. 3-1/2 miles 15 miles from Reno; 12 miles on paved road; 3 miles on mountain road.
   (b) Peavine Mng. District.
   (c) sections 10 & 15 T 20 NR 18 E
   (d) Washoe County State of Nevada.
4. Now operated by myself
   (b) as owner.
6. Have been mining and operating since 1911. Have been operating my own businesses since 1907 and propose to operate the mine in question personally.
7. Have been exploring this property since July 1946-1947 resp.
   (b) Between 1913 and 1916 ore was shipped offthis property by Red Metals Co.,in 1906-07 three cars of ore were recovered by one Col. Chas. E. Mitchener; supposed value $107.00 per ton. Low copper price caused the end of operations.
   (c). Under docket number DMA 524 in your Department there appears a detail report on this property also a report covering examination by Reno branch of Bureau of Mines together with correspondence from Regional office San Francisco with recommadations.

Julius Rodelius

Julius Rodelius
Owner of North View Mines

September 1950.

PRELIMINARY REPORT

UNITED STATES DEPARTMENT OF THE INTERIOR - BUREAU OF MINES

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 13 1951

NORTH VIEW COPPER MINE, WASHOE COUNTY, NEV.

By Russell R. Trengove[1]

SUMMARY

The North View Copper Mine (fig. 1), formerly the Red Metal, was first operated in 1867 for its gold and silver values. Three carloads of ore were shipped in 1903 and 793 tons of ore were shipped in 1912 and 1913. Since that time the property has been prospected intermittently.

The underground workings from which this production was obtained are inaccessible but from old reports, the main ore body consists of overlapping lenses; these lenses have a vertical height of 50 feet. The lenses occur from the surface and dip 20 degrees southeast for a distance of 200 feet. The ore makes in a crushed streaked schist.

Trenching in 1950 disclosed a 3- to 4-foot quartz vein dipping to the southeast and also some oxidized lenses of copper on the east wall of the trench. The quartz vein contains argentiferous and auriferous pyrite, bornite and chalcocite. One 3-foot sample of ore in place in the bottom of the trench assayed 4.87% Cu., 0.02 oz. Au., and 10.80 oz. Ag.

Prospecting to date has not proven the existence of any large copper deposit. No estimate of indicated or inferred ore can be

1/ Mine Examination and Exploration Engineer of the Development Branch, Mining Division, Region III, Bureau of Mines.

Fig. 1.- North View workings (looking east)

made. The quartz vein containing segregations of rich copper sulphides has not been explored at depth.

The owner is continuing his exploration by bulldozer trenching and Bureau of Mines recommendations will be held in abeyance until further information is obtained. It is possible that a small amount of drilling would indicate the vein at depth and also additional lenses from which a substantial tonnage of copper might be developed.

INTRODUCTION

Mr. Julius Redelius of Reno, Nev., requested the Bureau of Mines to examine his copper prospect in Washoe County, Nev. A Bureau of Mines engineer[2/] examined the property in September 1950.

HISTORY

James M. Hill[3/] reports, "The earliest report of mining operations in the Peavine District was by Browne in 1867. He states that gold and silver occur in quartz veins associated with copper carbonate ores. He reports that some copper which carried $150 in gold and $250 in silver was made from these ores."

An inclined shaft was sunk 125 feet in 1892. It was operated again in 1903 when eight men shipped three carloads of ore averaging $107 of mineral per ton with gold selling at $20 an ounce. This production came from a quartz vein, eight feet in width[4/].

2/ Russell R. Trengove.
3/ Hill, James M., Some Mining Districts in Northeastern California and Northwestern Nevada. U. S. Geol. Survey Bull. 594.
4/ Julius Redelius.

In 1915 Charles B. Bills of Pioneer Fruit Co. in Sacramento, Calif., acquired control of the property and planned to install a copper leaching plant which did not materialize[5].

The Red Metals Mining Co. operated the property in 1912 and 1913 and produced 793 tons of ore[6]. This ore was hauled by wagons to Purdy Siding, Calif.

Three men attempted to open the adit in 1939[4]. In 1943 the property was prospected by Julius Redelius. He located the claims late in 1947, did some stripping by steam shovel in 1948 and considerable trenching by a bulldozer was done in 1950.

OWNERSHIP

The property, consisting of one patented claim USS43 #20957 and several unpatented claims, is owned by Julius Redelius, 1120 Locust Street, Reno, Nev.

LOCATION AND ACCESSIBILITY

The North View mine is about 2 miles northwest of the summit of Peavine mountain, 15 miles by road northwest of Reno and 7.5 miles east-southeast of Purdy, Calif., its nearest shipping point. To reach the property, U. S. Highway No. 395 is followed northward, a distance of 10.6 miles from the University of Nevada campus, to the summit of the grade. At this point a left turn is made on a dirt road which is followed a distance of 4.4 miles to the property. The claims are in the Peavine Mining District in sec. 10, T. 20 N., R. 18 E.

5/ Overton, Theodore D., Mineral Resources of Douglas, Ormsby, and Washoe Counties, Univ. of Nev. Bull., Vol. XLI, No. 9.

6/ Couch, Bertrand F. and Carpenter, J. A., Nevada's Metal and Mineral Production, Univ. of Nev. Bull., Vol. XXXVII, No. 4.

PHYSICAL FEATURES

Lying at an altitude of about 7,700 feet, the property would be inaccessible during the winter months without snow removal equipment. A small spring below the adit level has been developed and supplies about 10 gallons of water per minute.

There is no timber available for mine use. Housing consists of one small shack. There is no equipment on the property.

DESCRIPTION OF THE DEPOSIT

The main adit is caved about 75 feet from the portal making the underground workings inaccessible. However, the following is the description of the deposit by James M. Hill[3/].

"The ores so far developed lie in rather small lenses parallel to the structure of feldspathic schists, probably derived from andesitic material. The main body consists of overlapping lenses, which occur through a vertical height of 50 feet and run from the surface for about 200 feet along the dip of 20° SE. The ore makes in crushed streaked schist, the crushing having resulted from movement nearly parallel to the schistosity. The property is developed by a tunnel which runs S. 34° E. for 598 feet, from which a raise of 50 feet was required to reach the ore. There are also some abandoned inclines from the surface on the ore zone. The ore is all more or less oxidized, though kernels of bornite, the chief sulphide seen, are being altered to chalcocite and copper pitch (chrysocolla) ore. Malachite and copper-iron sulphate were found in some ore, and in one specimen a thin film of light-blue copper phosphate was noted. This film is made up of radial groups of minute needles."

Fig. 2.- Oxidized copper ore in trench.
(Note closely folded structure)

Fig. 3.- Oxidized copper ore in trench on
Revelation claim at northeast corner
of property.

Trenching with a bulldozer in 1950 was confined to two areas. Most of the trenching was above the old underground workings. The trench (fig. 5), about 400 feet in length, bearing N. 60° E. and parallel to the stratified rocks, disclosed irregular shaped oxidized copper ore bodies on the east side of the trench (fig. 2) and a 3-foot quartz vein in the bottom of the trench. This quartz vein appears to dip to the southeast and contains argentiferous and auriferous pyrite, bornite and chalcocite. One 3-foot sample of ore in place assayed 4.87% Cu., 0.02 oz. Au., and 10.80 oz. Ag.

The second trench is near the northeast corner of the property, about 2,000 feet northeast of the old workings (fig. 3). Two 10-foot samples, taken in the bottom of the trench, assayed 0.18% and 0.13% copper. Additional trenching is planned for this area by the owner.

Several additional lenses of oxidized ores have been exposed by shallow pits east of the old workings.

The stratified rocks striking N. 60° E. dip to the southeast and have a characteristic green-gray to dark gray color due to the presence of epidote. They weather to a dull red-brown color.

CONCLUSIONS

Prospecting to date has not proved the existence of any large copper deposit. The 2- to 4-foot quartz vein contains segregations of rich copper-sulphides but this vein has not been explored at depth. Surface work has proven the existence of several copper-bearing lenses.

The owner is continuing his exploration by bulldozer trenching

and Bureau recommendations will be held in abeyance until further information is obtained. It is possible that a small amount of drilling would indicate the vein at depth and also additional lenses from which a substantial tonnage of copper might be developed.

Fig. 4.- Spring, watering trough and small dam.

September 1950.

PRELIMINARY REPORT

UNITED STATES DEPARTMENT OF THE INTERIOR - BUREAU OF MINES

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 13 1951

NORTH VIEW COPPER MINE, WASHOE COUNTY, NEV.

By Russell R. Trengove[1]

SUMMARY

The North View Copper Mine (fig. 1), formerly the Red Metal, was first operated in 1867 for its gold and silver values. Three carloads of ore were shipped in 1905 and 795 tons of ore were shipped in 1912 and 1913. Since that time the property has been prospected intermittently.

The underground workings from which this production was obtained are inaccessible but from old reports, the main ore body consists of overlapping lenses; these lenses have a vertical height of 50 feet. The lenses occur from the surface and dip 20 degrees southeast for a distance of 200 feet. The ore makes in a crushed streaked schist.

Trenching in 1950 disclosed a 5- to 4-foot quartz vein dipping to the southeast and also some oxidized lenses of copper on the east wall of the trench. The quartz vein contains argentiferous and auriferous pyrite, bornite and chalcocite. One 3-foot sample of ore in place in the bottom of the trench assayed 4.87% Cu., 0.02 oz. Au., and 10.80 oz. Ag.

Prospecting to date has not proven the existence of any large copper deposit. No estimate of indicated or inferred ore can be

1/ Mine Examination and Exploration Engineer of the Development Branch, Mining Division, Region III, Bureau of Mines.

Fig. 1.- North View workings (looking east)

made. The quartz vein containing segregations of rich copper sulphides has not been explored at depth.

The owner is continuing his exploration by bulldozer trenching and Bureau of Mines recommendations will be held in abeyance until further information is obtained. It is possible that a small amount of drilling would indicate the vein at depth and also additional lenses from which a substantial tonnage of copper might be developed.

INTRODUCTION

Mr. Julius Redelius of Reno, Nev., requested the Bureau of Mines to examine his copper prospect in Washoe County, Nev. A Bureau of Mines engineer[2] examined the property in September 1950.

HISTORY

James M. Hill[3] reports, "The earliest report of mining operations in the Peavine District was by Browne in 1867. He states that gold and silver occur in quartz veins associated with copper carbonate ores. He reports that some copper which carried $150 in gold and $250 in silver was made from these ores."

An inclined shaft was sunk 125 feet in 1892. It was operated again in 1903 when eight men shipped three carloads of ore averaging $107 of mineral per ton with gold selling at $20 an ounce. This production came from a quartz vein, eight feet in width[4].

2/ Russell R. Trengove.
3/ Hill, James M., Some Mining Districts in Northeastern California and Northwestern Nevada. U. S. Geol. Survey Bull. 594.
4/ Julius Redelius.

In 1915 Charles B. Bills of Pioneer Fruit Co. in Sacramento, Calif., acquired control of the property and planned to install a copper leaching plant which did not materialize[5].

The Red Metals Mining Co. operated the property in 1912 and 1913 and produced 793 tons of ore[6]. This ore was hauled by wagons to Purdy Siding, Calif.

Three men attempted to open the adit in 1939[4]. In 1943 the property was prospected by Julius Redelius. He located the claims late in 1947, did some stripping by steam shovel in 1948 and considerable trenching by a bulldozer was done in 1950.

OWNERSHIP

The property, consisting of one patented claim US#43 #20957 and several unpatented claims, is owned by Julius Redelius, 1120 Locust Street, Reno, Nev.

LOCATION AND ACCESSIBILITY

The North View mine is about 2 miles northwest of the summit of Peavine mountain, 18 miles by road northwest of Reno and 7.5 miles east-southeast of Purdy, Calif., its nearest shipping point. To reach the property, U. S. Highway No. 395 is followed northward, a distance of 10.6 miles from the University of Nevada campus, to the summit of the grade. At this point a left turn is made on a dirt road which is followed a distance of 4.4 miles to the property. The claims are in the Peavine Mining District in sec. 10, T. 20 N., R. 18 E.

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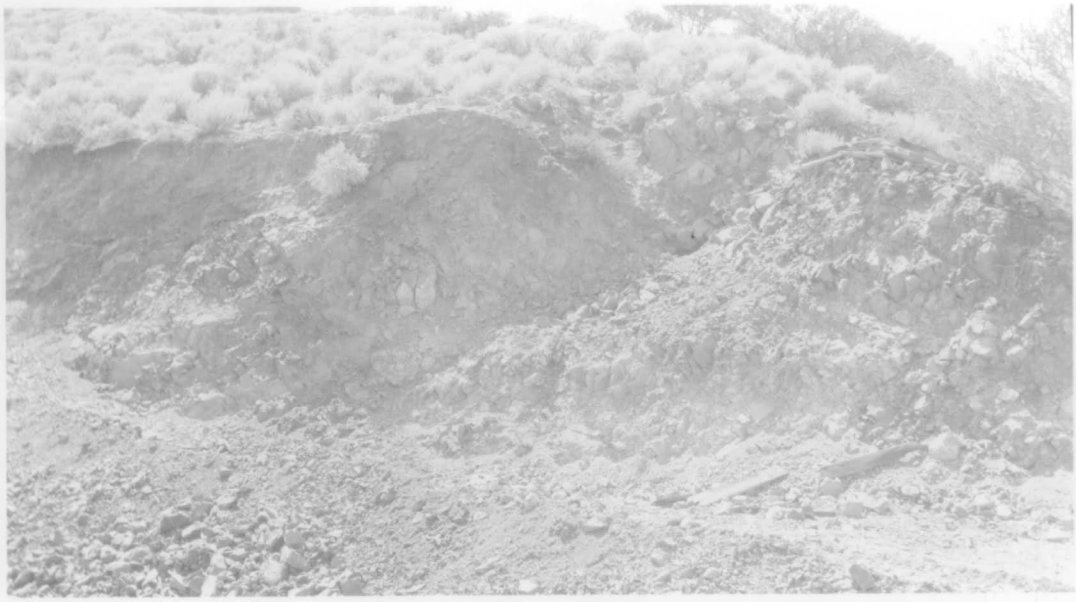

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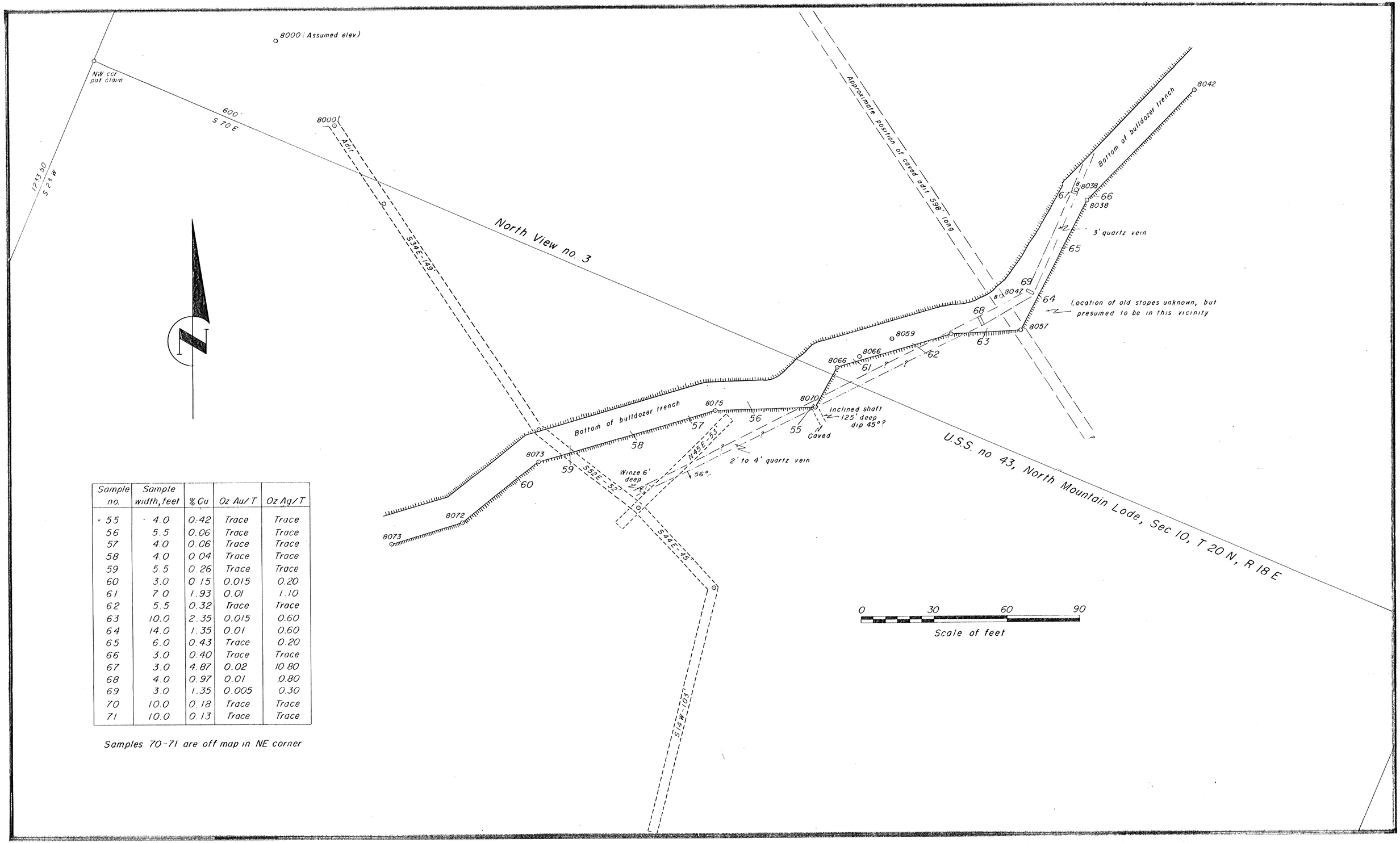
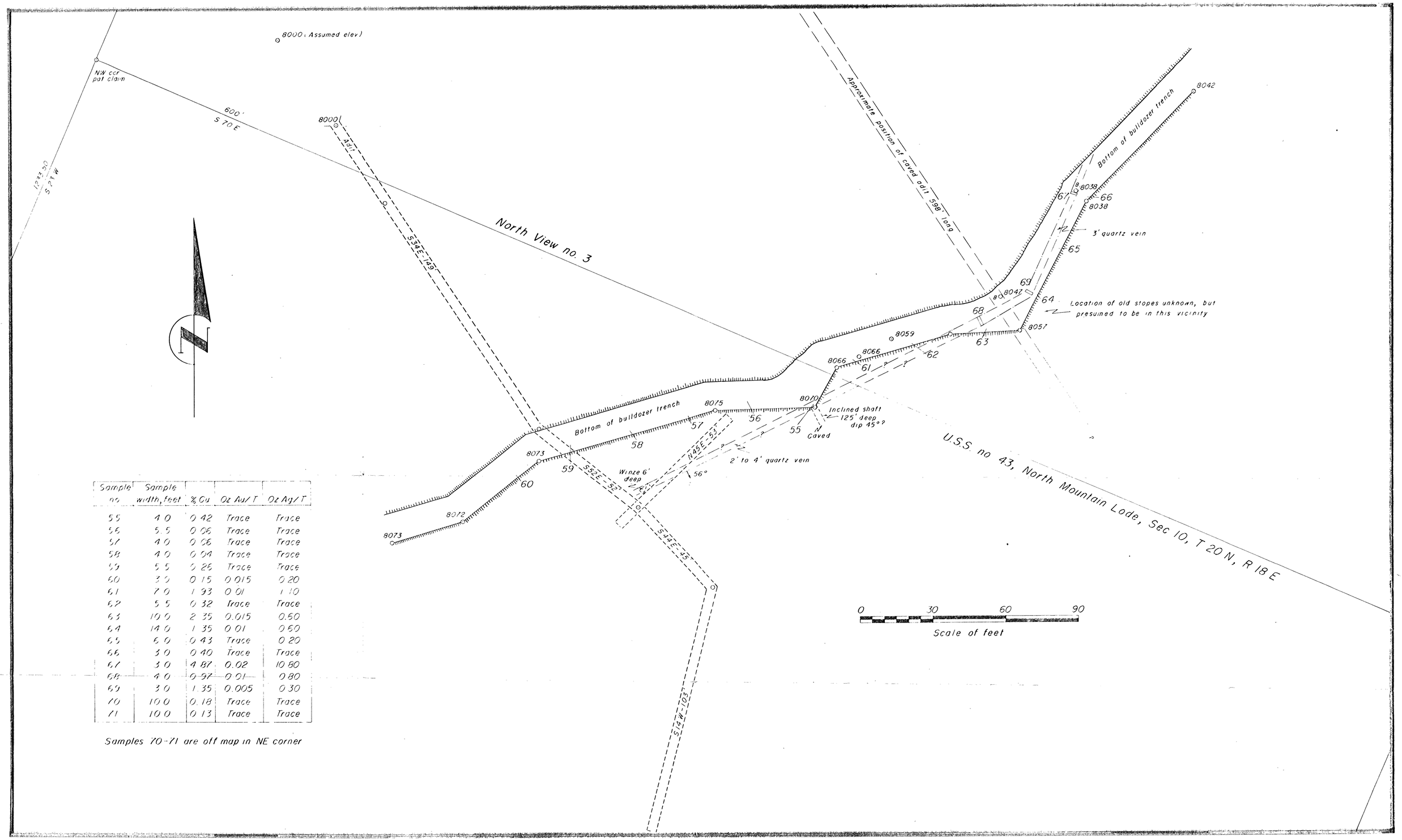


Sample no.	Sample width, feet	% Cu	Oz Au/T	Oz Ag/T
55	4.0	0.42	Trace	Trace
56	5.5	0.06	Trace	Trace
57	4.0	0.06	Trace	Trace
58	4.0	0.04	Trace	Trace
59	5.5	0.26	Trace	Trace
60	3.0	0.15	0.015	0.20
61	7.0	1.93	0.01	1.10
62	5.5	0.32	Trace	Trace
63	10.0	2.35	0.015	0.60
64	14.0	1.35	0.01	0.60
65	6.0	0.43	Trace	0.20
66	3.0	0.40	Trace	Trace
67	3.0	4.87	0.02	10.80
68	4.0	0.97	0.01	0.80
69	3.0	1.35	0.005	0.30
70	10.0	0.18	Trace	Trace
71	10.0	0.13	Trace	Trace

Samples 70-71 are off map in NE corner

Figure 5 - Composite map of surface and underground exploration, showing location and assays of samples, North View Copper prospect, Washoe County, Nevada



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60	3.0	0.15	0.015	0.20
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62	5.5	0.32	Trace	Trace
63	10.0	2.35	0.015	0.60
64	14.0	1.35	0.01	0.60
65	6.0	0.43	Trace	0.20
66	3.0	0.40	Trace	Trace
67	3.0	4.87	0.02	10.80
68	4.0	0.97	0.01	0.80
69	3.0	1.35	0.005	0.30
70	10.0	0.18	Trace	Trace
71	10.0	0.13	Trace	Trace

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