DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. DMEA-2813

DO NOT DETACH THIS SLIP

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

This document has been recorded as

EXPLORATION ASSISTANCE

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

Routing Slip

CYS to USBM, USGS, 1 cy retained in Rg. II

To:	Code 700 Rm 4640	Date	12/16/52.
To:	Oper Comm.	Date	12-29-52.
To:	Oper Comm.	Date	3-25-53
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	

DO NOT DETACH

CONTROLLED DOCUMENT

700

FILE COPY
SURNAME:

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

Ellis
Hedges
Russell
Selfridge
Jt. Jones

MAR 25 1953

Mr. C. C. Dunkle, Secretary
Idaho Antimony Company
322 Main Street
Kellogg, Idaho

Re: Docket No DMA-2613 (Antimony)
Coeur d'Alene Antimony Mine
Shoshone County, Idaho

Dear Mr. Dunkle:

Reference is made to your application for Government aid on the proposed captioned project estimated to cost a maximum total of $21,450.00.

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

A careful study of your application and data available to this Agency, and a previous examination of the property concerned reveal that the probability of disclosing minable reserves by your proposed exploration program is not believed to be sufficiently promising to justify Government participation. Under these circumstances, we regret to advise that your application for exploration aid is denied.

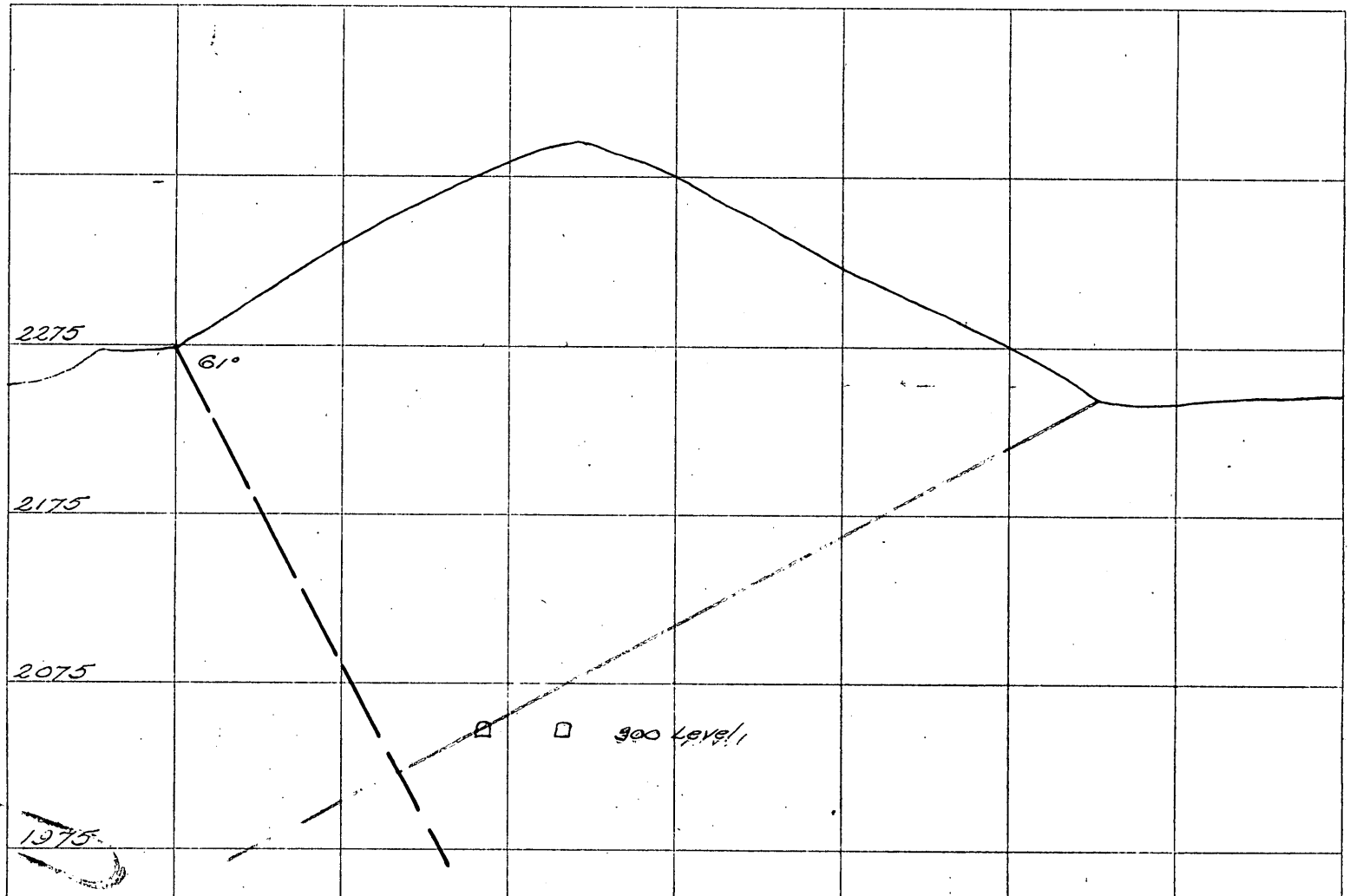
If future work at your property reveals evidence which could materially alter this opinion, please be assured we will be glad to consider a new application.

Sincerely yours,
C. O. Mittendorf (for)
Administrator

3/25/53

GLAult/EWEllis
3/23/53
cc to: Adm. Reading File
Operating Committee
Docket

Messrs: Abbott Renick, Rm. 3061
ARKinkle, Rm. 4234 GSA
Ellis
DMEA Field Team, Region II (2)



Idaho-Antimony Mining Co.
Vertical Section
Proposed D.D. Hole No. 1
scale 1" = 100'

"ALBANENE" No. 195M K&E CO., N.Y.
REG. U.S. PAT. OFF

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

March 24, 1953

SUMMARY OF PROPOSED PROJECT

Docket No. DMEA-2813
Applicant: Idaho Antimony Company

Subject: Denial of application

Commodity: Antimony
Locationof property: Shoshone County, Idaho (Region II)
Amount of application: $21,450.00 (maximum)
Date of application: Undated (Received December 16, 1952)

Outline of project: Workings inaccessible. Proposed project is to diamond drill from surface.

Field Team Report: Dated February 12, 1953
By: J. J. Quinlan and A. B. Campbell, Geologists, USGS
Field Team II transmittal letter February 17, 1953.

Recommendations: Denial. Property inaccessible. Report based on information available in Region II, coupled with verbal reports of those familiar with the property. Evidence indicates that mine has been worked out and that no reasonable exploration targets exist. This property was examined in connection with DMA-1595 (C.C.Dunkle, applicant) subsequently withdrawn by the applicant.

Commodity Members' comments:

Bureau of Mines: Abbott Renick, dated March 17, 1953.

Concurs in denial recommended by Field Team.

Geological Survey: E. L. Newcomb, dated March 3, 1953.

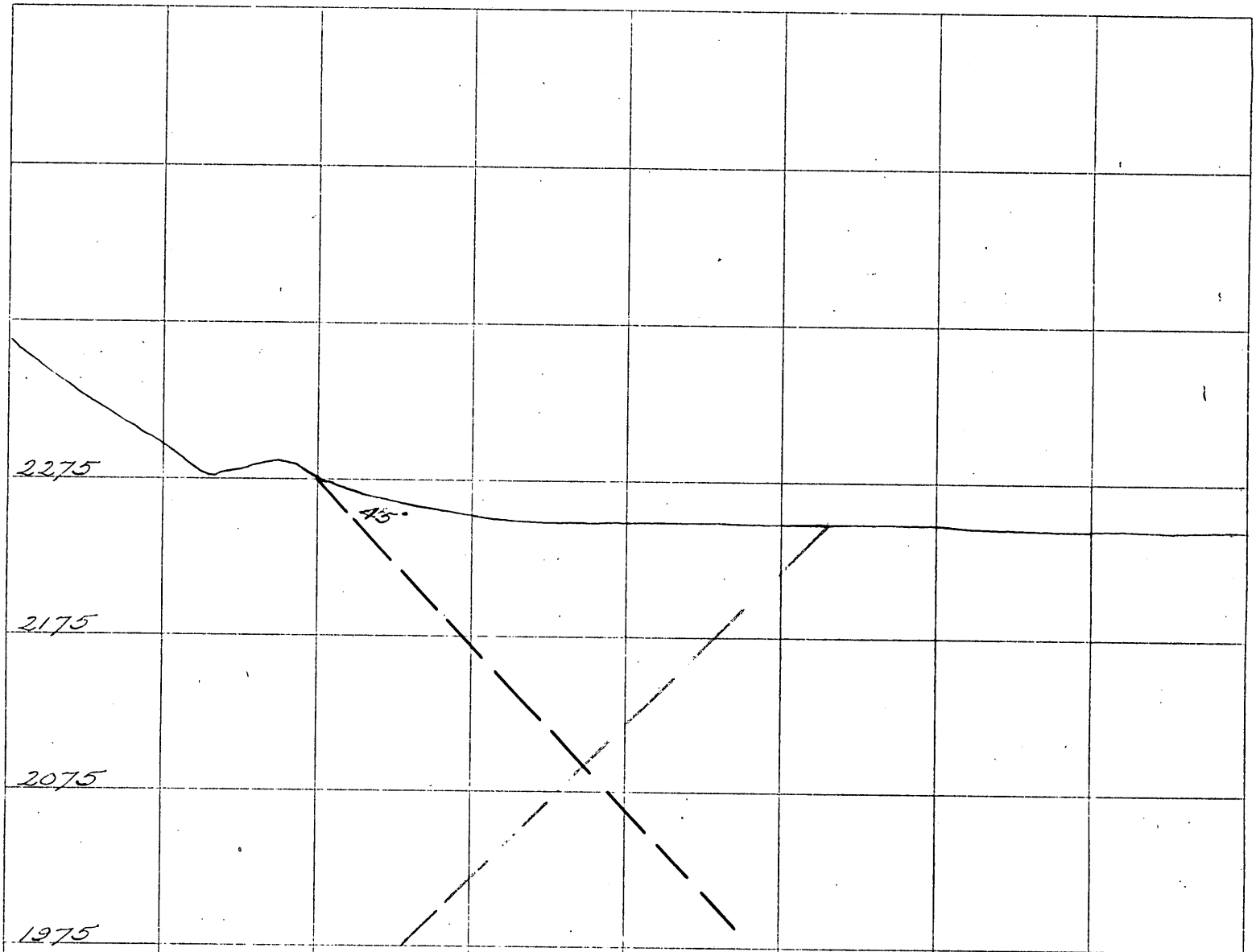
Not justified geologically.

Rare & Misc. Metals Division Engineer: Mr. Ellis

Comments: Denial letter written.

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare & Misc. Metals Division



Idaho Antimony Mining Co.
Vertical Section

Proposed D. D. Hole No. 2

scale 1" = 100'

"ALBANENE" No. 195M K&E CO., N.Y.
REG. U.S. PAT. OFF

3/18/53 gla

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

March 17, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 18 1953

Memorandum

To: E. W. Ellis

From: Abbott Renick

Subject: Concurrence with field team recommendation for denial

Re: DMEA-2813
Coeur d'Alene Antimony Property
Yreka District
Shoshone County, Idaho
$21,450
Antimony

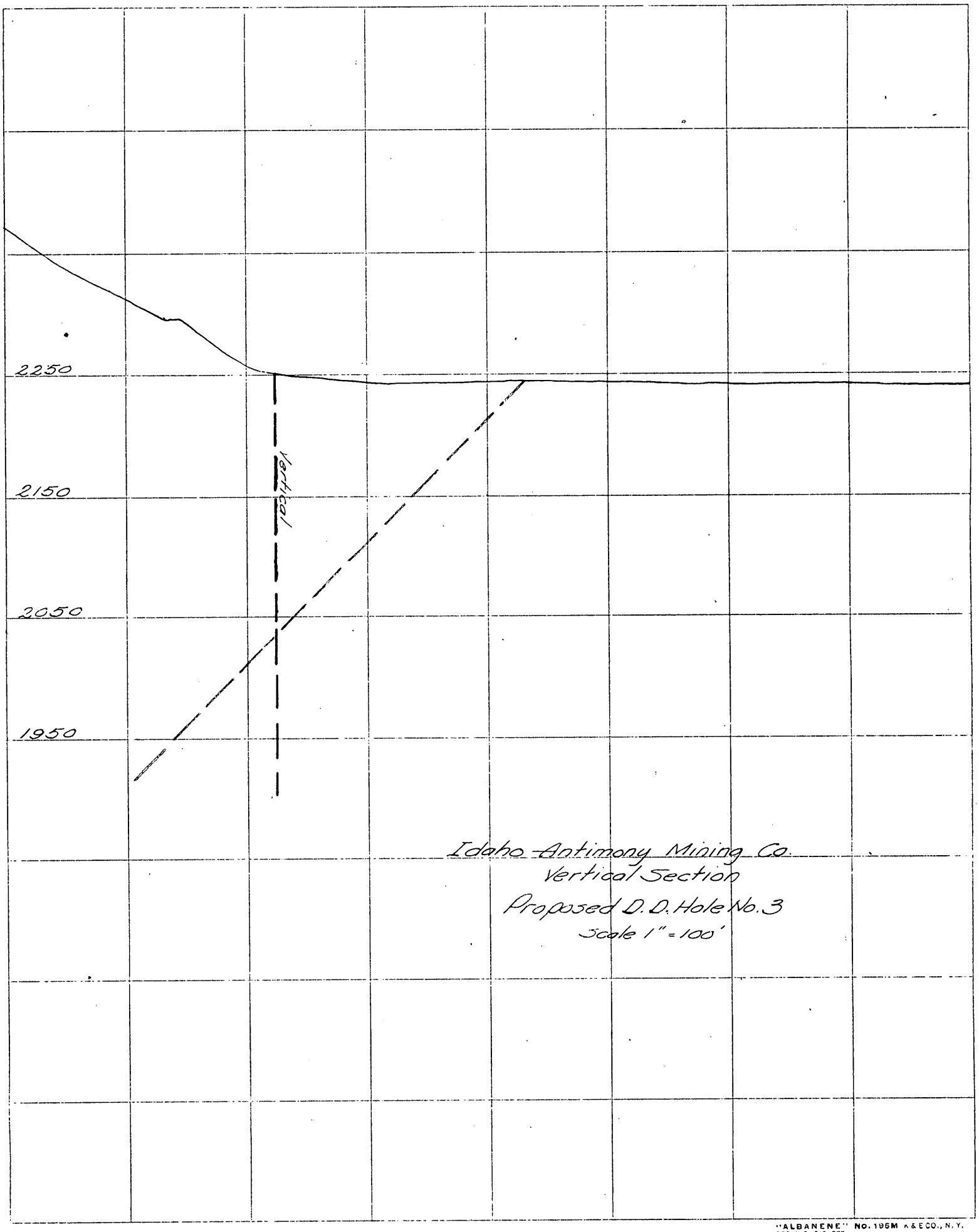
This property was examined by the field team in June, 1951, in connection with DMA-1595 (Mr. C. C. Dunkle, applicant), but the application was subsequently withdrawn by the applicant.

The new application, DMEA-2813, did not require a field examination as the underground workings were still inaccessible and the Spokane field team office had sufficient data in their files to prepare a report.

On the basis of available information, the field team recommends the application be denied.

I concur with the field team's recommendation for denial.

Abbott Renick



Idaho Antimony Mining Co.
Vertical Section
Proposed D.D. Hole No. 3
Scale 1" = 100'

"ALBANENE" No. 195M K&E CO., N.Y.
REG. U.S. PAT. OFF

3-3-53 [illegible]

IN REPLY REFER TO:

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

March 3, 1953

Memorandum

To: Mr. E. Wm. Ellis

From: E. L. Newcomb

Subject: Concurrence with field team recommendation for denial

Re: DMEA-2813
Coeur d'Alene Antimony Property
Yreka District
Shoshone County, Idaho
$21,450
Antimony

This property was examined by the field team in June, 1951, in connection with DMA-1595 (Mr. C. C. Dunkle, applicant), but the application was subsequently withdrawn by the applicant.

The new application, DMEA-2813, did not require a field examination as the underground workings were still inaccessible and the Spokane field team office had sufficient data in their files to prepare a report.

On the basis of available information, the field team recommends the application be denied.

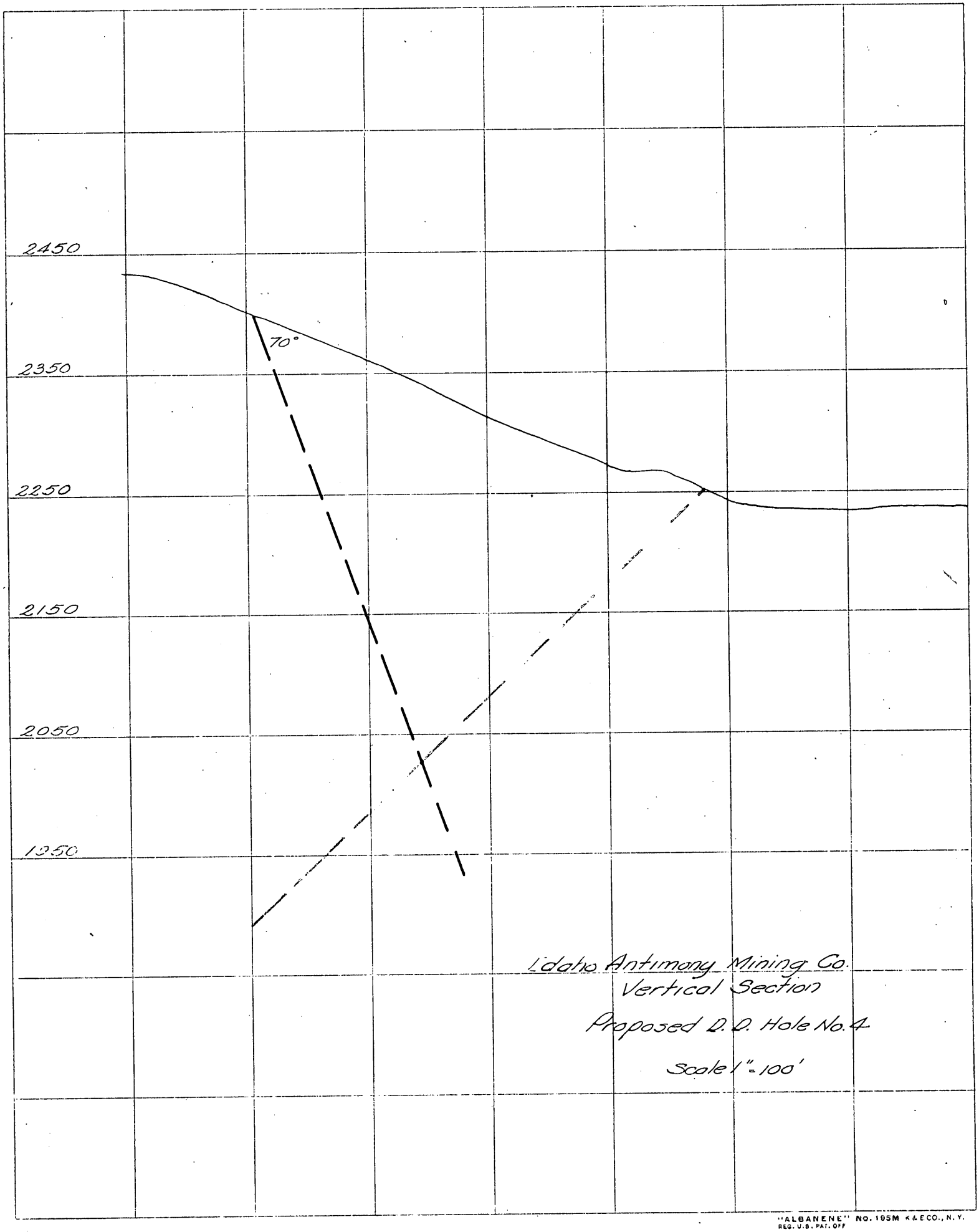
Although it is not stated in the application, the property was rehabilitated and examined in 1947 or 1948 by Mr. Claude Nugent, Kellogg, Idaho. Mr. Nugent, in telephone conversation with the field team, stated that reported "good" ore on 250 level was not found and he consequently discontinued work on the property.

Although the mine has a record of past production, most of the ore was obtained from small lenses in a single ore shoot which bottoms above the 250 level. The nature of the ore in small lenses and the lack of evidence suggesting new and larger ore shoots along the vein structure indicates that the applicant's proposal is not justified geologically.

I concur with the field team's recommendation for denial.

E. L. Newcomb

E. L. Newcomb
Geologist



"ALBANENE" No. 195M K&E CO., N.Y.
REG. U.S. PAT. OFF

FILE COPY
SURNAME:
700

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

DEC 29 1952

Mr. A. C. Weissenborn
Executive Officer
Field Team, Region II
South 157 Howard Street
Spokane 8, Washington

Re: Docket No. DMA-2813 (Antimony)
Idaho Antimony Company
Shoshone County, Idaho

Dear Mr. Weissenborn:

Acknowledgment is made of Mr. Hillsgaard's letter dated December 16, 1952, enclosing three copies each of six maps to accompany the above-docketed application. No further action on this application will be taken until your office has submitted a report of your findings and recommendations, as indicated in Mr. Hillsgaard's letter to the Operating Committee of December 12.

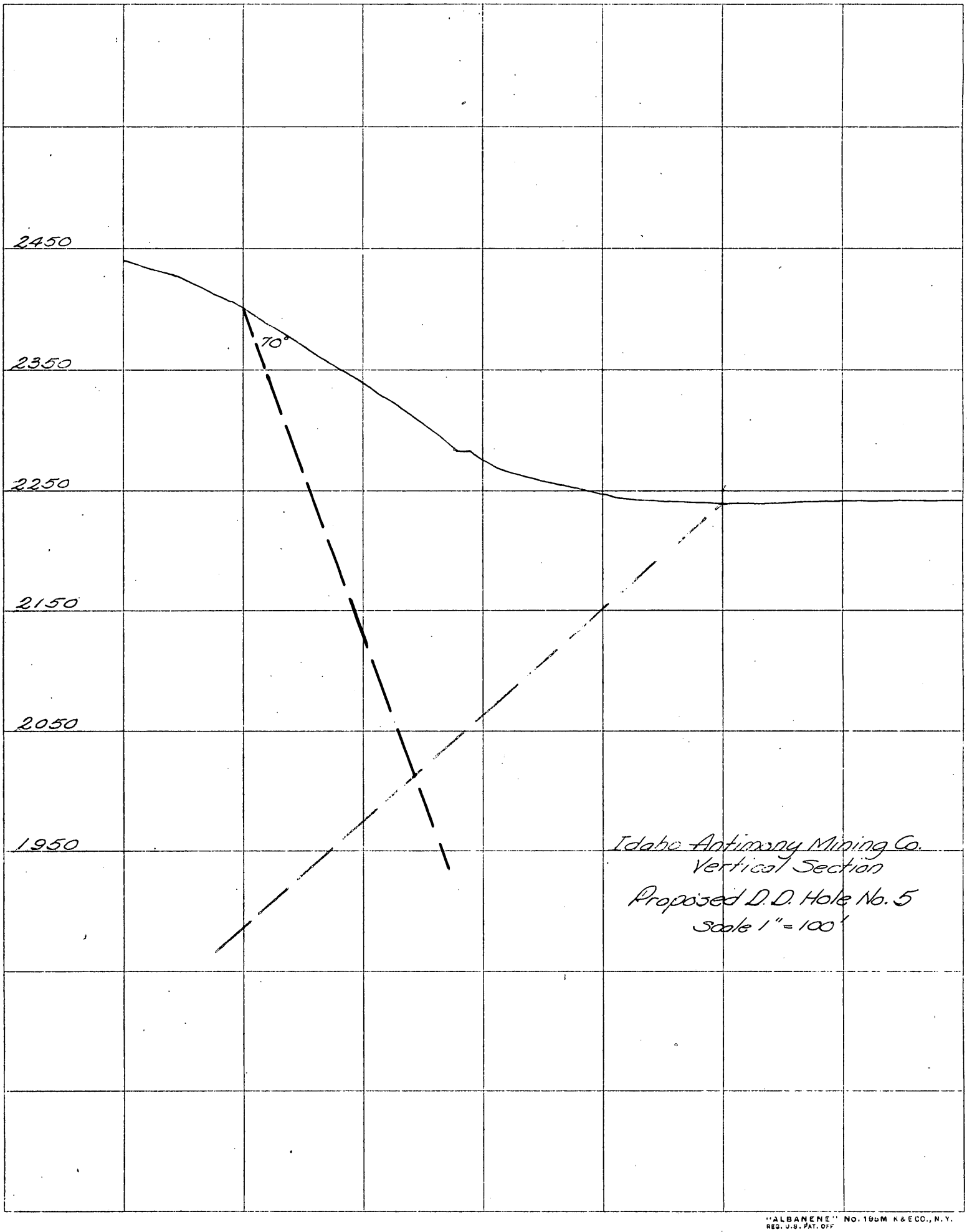
Sincerely yours,

Frank E. Johnson
Chairman, Operating Committee

Concurred:
J. H. Hedges
Member, Bureau of Mines
A. R. Kinkel, Jr.
Member, Geological Survey

Ellis/Glault/jem
12/23/52
cc to: Adm. Reading File
Docket
Messrs. Amenick-3061
A.R.Kinkel-4234 G.A
Ellis
Opr. Committee
Field Team, Region II

12-29-52



"ALBANENE" No. 190M K&E CO., N.Y.
REG. U.S. PAT. OFF.

12/18/52 gla

IN REPLY REFER TO:

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

December 17, 1952

Re: DMEA-2813
Idaho Antimony Company
Yreka District
Shoshone County, Idaho
$21,450
Antimony

Memorandum

To: Mr. E. Wm. Ellis

From: E. L. Newcomb

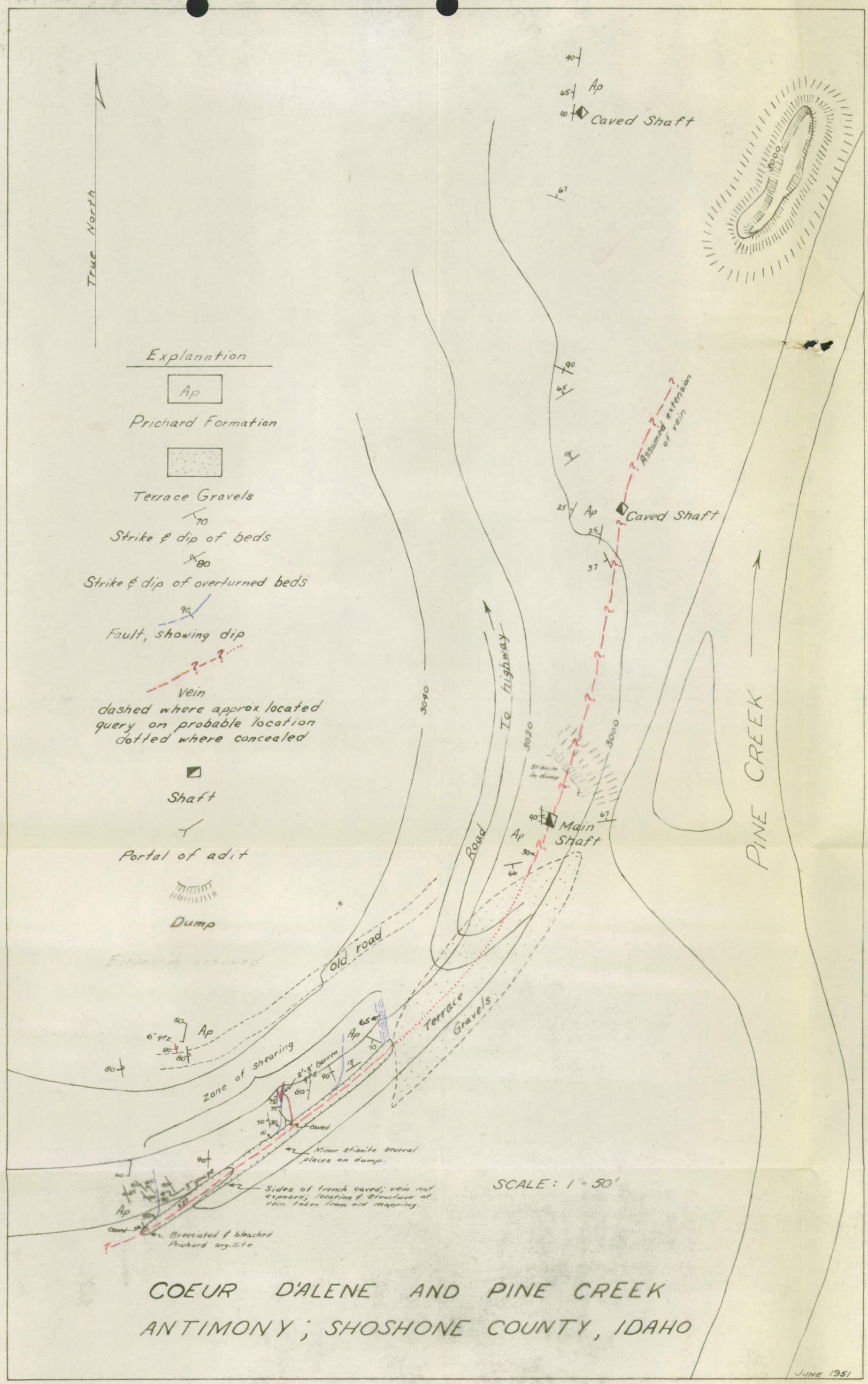
Subject: Review of application

The letter of transmittal from the field team states that one copy of the application has been retained in their office. A field report will be prepared on the subject property at the earliest practicable date.

We are retaining our copy of the application for further consideration after we receive the field team's report.

E. L. Newcomb
E. L. Newcomb
Geologist

Mr. Renick, USBM, also with helping comments


True North
Explanation
Ap
Prichard Formation
Terrace Gravels
Strike & dip of beds
Strike & dip of overturned beds
Fault, showing dip
Vein
dashed where approx. located
query on probable location
dotted where concealed
Shaft
Portal of adit
Dump
Elevation assumed
Caved Shaft
Caved Shaft
Assumed extension of vein
To highway
Road
Main Shaft
PINE CREEK
3040
3020
3000
old road
Zone of shearing
Terrace Gravels
6" qtz.
2'-3' barren
Minor stibnite several places on dump.
Sides of trench caved; vein not exposed; location & structure of vein taken from old mapping.
Brecciated & bleached Prichard argillite
SCALE: 1" = 50'
COEUR D'ALENE AND PINE CREEK
ANTIMONY; SHOSHONE COUNTY, IDAHO
JUNE 1951

12/22/52 gfa

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 18 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
So. 157 Howard Street
Spokane 4, Washington

December 16, 1952

Air Mail

Mr. Frank E. Johnson, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

DMEA-2813

Re: Idaho Antimony Company
Shoshone County, Idaho

Dear Mr. Johnson:

Enclosed are three copies each of the following maps:

Proposed Diamond Drill Hole No. 1
Proposed Diamond Drill Hole No. 2
Proposed Diamond Drill Hole No. 3
Proposed Diamond Drill Hole No. 4
Proposed Diamond Drill Hole No. 5
Geological Plan and Claim Map

These maps are to accompany the application submitted by the Idaho Antimony Company. This application for a DMEA contract was forwarded to your office on December 12, 1952.

Sincerely yours,

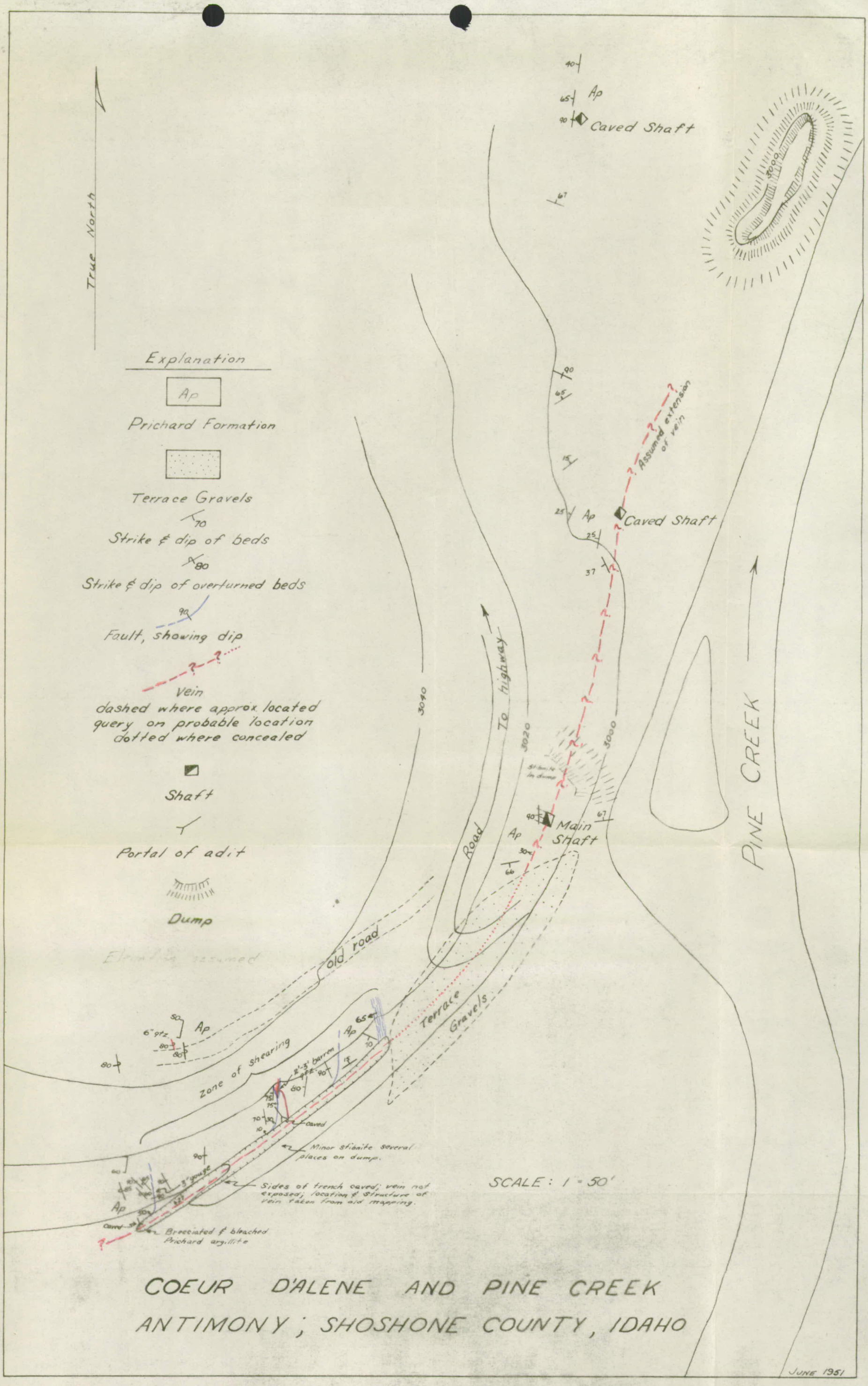
Thor H. Kiilsgaard

Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures

cc: USBM (2)
Quinlan

Copies dist. to Commodity members (Newcomb & Reinick)



COEUR D'ALENE AND PINE CREEK ANTIMONY; SHOSHONE COUNTY, IDAHO

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

December 16, 1952

Memorandum

To: Executive Officer, DMEA Field Team, Region II

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number.

There is listed below the assigned Docket Number to an application recently received from Region II.

DMEA-2813 - Idaho Antimony Company

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

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

[redacted]
No. 157 Howard Street
Spokane 4, Washington

December 12, 1952

Mr. Frank M. Johnson, Chairman
Operating Committee, DMA
Department of the Interior
Washington 25, D. C.

Dear Mr. Johnson:

Enclosed are three copies of an application for a DMA contract submitted by the Idaho Antimony Company, Pellogg, Idaho. One copy of the application has been retained for the files of this office.

We have considerable information on this property in our files which leads us to believe that further exploration of this antimony property may be unwarranted. However, we are assigning the application to personnel familiar with that area for more detailed review and will forward to you a comprehensive report of our findings at the earliest practicable date.

Sincerely yours,

Thor B. Kallegaard
For: A. E. Weissenborn
Executive Officer, DMA
Field Team, Region II

Enclosure

cc: UFEM (2)
Quinlan

December 16, 1952

Mr. C. C. Dunkle, Secretary
Idaho Antimony Company
322 Main Street
Kellogg, Idaho

Subject: DMEA-2813
Re: Exploration Assistance
Coeur d' Alene Antimony Mine

My dear Mr. Dunkle:

The receipt of your application dated

for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-2813 and referred to the Rare and Miscellaneous Metals Division.

Kindly refer to DMEA-2813 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

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

25451

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
RECEIVED
DEC 16 1952

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

RECEIVED
DEC 10 1952
U. S. G. S.
SPOKANE, WASH.

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

Not to be filled in by applicant

Docket No. DMEA-2813
Metal or Mineral
Date Received 12/16/52
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Idaho Antimony Company
322 Main Street
Kellogg, Idaho
See attached sheets for requested information

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

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

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

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

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

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

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

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it

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

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

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

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

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON, D. C.~~
So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 16 1952

December 12, 1952

Mr. Frank E. Johnson, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Dear Mr. Johnson:

Enclosed are three copies of an application for a DMEA contract submitted by the Idaho Antimony Company, Kellogg, Idaho. One copy of the application has been retained for the files of this office.

We have considerable information on this property in our files which leads us to believe that further exploration of this antimony property may be unwarranted. However, we are assigning the application to personnel familiar with that area for more detailed review and will forward to you a comprehensive report of our findings at the earliest practicable date.

Sincerely yours,

Thor H. Kiilsgaard

Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosure

cc: USBM (2)
Quinlan

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

.....

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☐ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated ....., 195...

Idaho Antimony Company
(Applicant)

By C C Drinkle
Secretary

Fred Albinola

John B George

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
RECEIVED

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
Budget Bureau No. 42-R1035.2.
RECEIVED
DEC 16 1952

DEC 10 1952
U. S. G. S.
SPOKANE, WASH.

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

Not to be filled in by applicant

Docket No. DMEA-2813
Metal or Mineral
Date Received 12/16/52
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Idaho Antimony Company
322 Main Street
Kellogg, Idaho
* See attached sheets for requested information

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

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

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

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

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

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

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

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it

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

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

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

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

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

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

Detail Sheet No. 1
Idaho Antimony Company

1. Idaho Antimony Company
322 Main Street
Kellogg, Idaho

(b) Corporation incorporated under the laws at Idaho.

(c) Fred Albinola, President, 322 Main Street, Kellogg, Idaho
John George, Vice-President, 105 S. Division, Kellogg, Idaho
C. C. Dunkle, Secretary, Box 568, Pinehurst, Idaho

(d)

2. Attached as requested.

3. Big 3 and Pine unpatented lode claims, unpatented Pine millsite, all in the SE¼ Sec. 6, T. 48N, R. 2 EBM. The Idaho Antimony Co. owns the above claims and in addition owns the mineral rights to the SE¼NE¼, NW¼SE¼ and NE¼SE¼ all in Sec. 6, T.48N. R. 2 EBM, Yreka Mining District, Shoshone County, Idaho.

(b) Coeur d' Alene Antimony Mine

(c) Owner

(d)

(e) None

(f) Pine lode, Book C, Page 312, Located 9/15/85
Big 3 lode, Book 12, Page 364, Located 9/9/13

4. Mining operations were started at the Coeur d' Alene Antimony Mine sometime prior to 1900 and continued intermittently until the 30's. The principal development is by an inclined shaft approximately 350 feet deep and 3 laterals from the shaft. There are no maps available so the aggregate length at the laterals is not known. In addition to the inclined shaft the property was formerly developed by a number of short surface tunnels and by at least two vertical shafts.

None ~~at~~ of the workings are now accessible. The inclined shaft is full of water and all other workings are caved.

There is no mining or milling equipment on the property.

(b) Dr. Frances A. Thomson, writing for Idaho School of Mines, Bull. No. 2, in 1919, gives the production at that date as 2,000 tons of ore containing 500,000 pounds of antimony metal. Mill concentrates produced in 1916 averages 36.36% antimony and 0.24 oz. gold per ton.

The production since 1919 is not known but leasing operations have no doubt added materially to the figures given above.

The mine workings are either caved or full of water so it is not known whether there is any developed ore in the mine. Mr. C. C. Dunkle reports having seen high grade antimony ore on the 250 level drift. There has been no development below the 250 level.

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

.....

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☐ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated ....., 195...

Idaho Antimony Company
(Applicant)

By C C Drake
Secretary

Fred A Binda

John B George

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

Detail Sheet No. 2
Idaho Antimony Company

4. (continued)

(c) The Coeur d' Alene Antimony vein strikes roughly N. 40°E. and dips from 30° to 60° West. The vein appears to be of the fissure type and cuts the dark grey argillaceous beds of the Pritchard formation. Most of the reported production has come from a single ore shoot. The inferred position of this ore shoot is shown on the accompanying geological plan. Surface ore has been mined from a second shoot to the south of the main shoot. It is doubtful if this shoot has ever been explored underground.

Several quartz gossan veins have recently been explored on the ridge to the south of the mine workings. Assays of this material failed to show any antimony.

For additional information concerning the underground geology refer to the following publications:

U.S.G.S. Bull. 710-A; A Reconnaissance of the Pine Creek District, Idaho; by Edward L. Iones, Jr., 1919.

University of Idaho School of Mines Bull. No. 2, 1919.

(d) The property is ideally situated, being on the West side of Pine Creek and adjoining the growing community of Pinehurst. It is slightly over ½ mile south of highway U. S. 10 and within a mile of the Union Pacific railroad.

(e) Electric power is available at the mine. Water for diamond drilling can be pumped from either the mine workings or from Pine Creek. Manpower, materials and supplies are readily available.

5. Antimony (Stibnite).

(b) It is proposed to explore the Coeur d' Alene antimony vein by surface diamond drilling. The first hole, as indicated on the enclosed plan and sections, is to cut the vein approximately 50 feet below the lowest level, in the plane of the projected position of the No. 1 ore shoot. This will be immediately below where Mr. Dunkle reports having seen high grade antimony ore when the mine was last in operation.

Hole No. 2 is to explore the possible downward extension of the shallow ore mined from the surface south of the No. 1 shoot.

If neither of these holes encounter ore, Holes 3, 4 and 5 will be drilled to prospect the vein to the northeast. In this area the outcrop of the vein is hidden by valley fill so nothing is known concerning its possible values. It is reported, however, that cuttings from wells drilled in Pinehurst have shown the presence of antimony.

If the results from either Hole No. 1 or No. 2 are sufficiently encouraging, additional holes should be drilled in that area before any work is done to the northeast.

It is proposed to drill a minimum of 5 holes, aggregating 2100 feet. To further explore any ore encountered, an additional 1900 feet of drilling is proposed. The locations, dips and length of the proposed holes are indicated on the accompanying plan and section.

Detail Sheet No. 3
Idaho Antimony Company

5. (Continued)

(c) The work will start within 60 days and can be completed within 6 months from the date of an exploration project contract.

(d) The directors and officials of the company are all mining people with considerable experience in mine management and finance. Mr. C. C. Dunkle, general manager of the Nabob Silver-Lead Company, will direct the exploration program with the actual supervision of work done by the consulting firm of Preston and Reynolds, Kellogg, Idaho.

6. Bulldozing, preparation of drill sites $ 250
Diamond drilling:

Minimum 2100' AX drilling @ $5.00 per foot	$10 500
Maximum 4000' AX drilling @ $5.00 per foot	$20 000

(b) Supervision

Minimum 3 months @ $200 per month	$ 600
Maximum 6 months @ $200 per month	$ 1 200

(c) None

(d) None

(e) None

(f) None

(g) None

(h) None

Minimum total (2100' of drilling)	$11 350
Maximum total (4000' of drilling)	$21 450

7. Yes

(b) Money

The directors of the Idaho Antimony Company will personally underwrite the balance for any money needed.

11 350
10 500
850

21 450
20 000
1450

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
[redacted]
No. 157 Howard Street
Spokane 4, Washington

December 16, 1952

Air Mail

Mr. Frank L. Johnson, Chairman
Operating Committee, DMA
Department of the Interior
Washington 25, D. C.

Re: Idaho Antimony Corporation
Shoshone County, Idaho

Dear Mr. Johnson:

Enclosed are three copies each of the following maps:

Proposed Diamond Drill Hole No. 1
Proposed Diamond Drill Hole No. 2
Proposed Diamond Drill Hole No. 3
Proposed Diamond Drill Hole No. 4
Proposed Diamond Drill Hole No. 5
Geological Plan and Claim Map

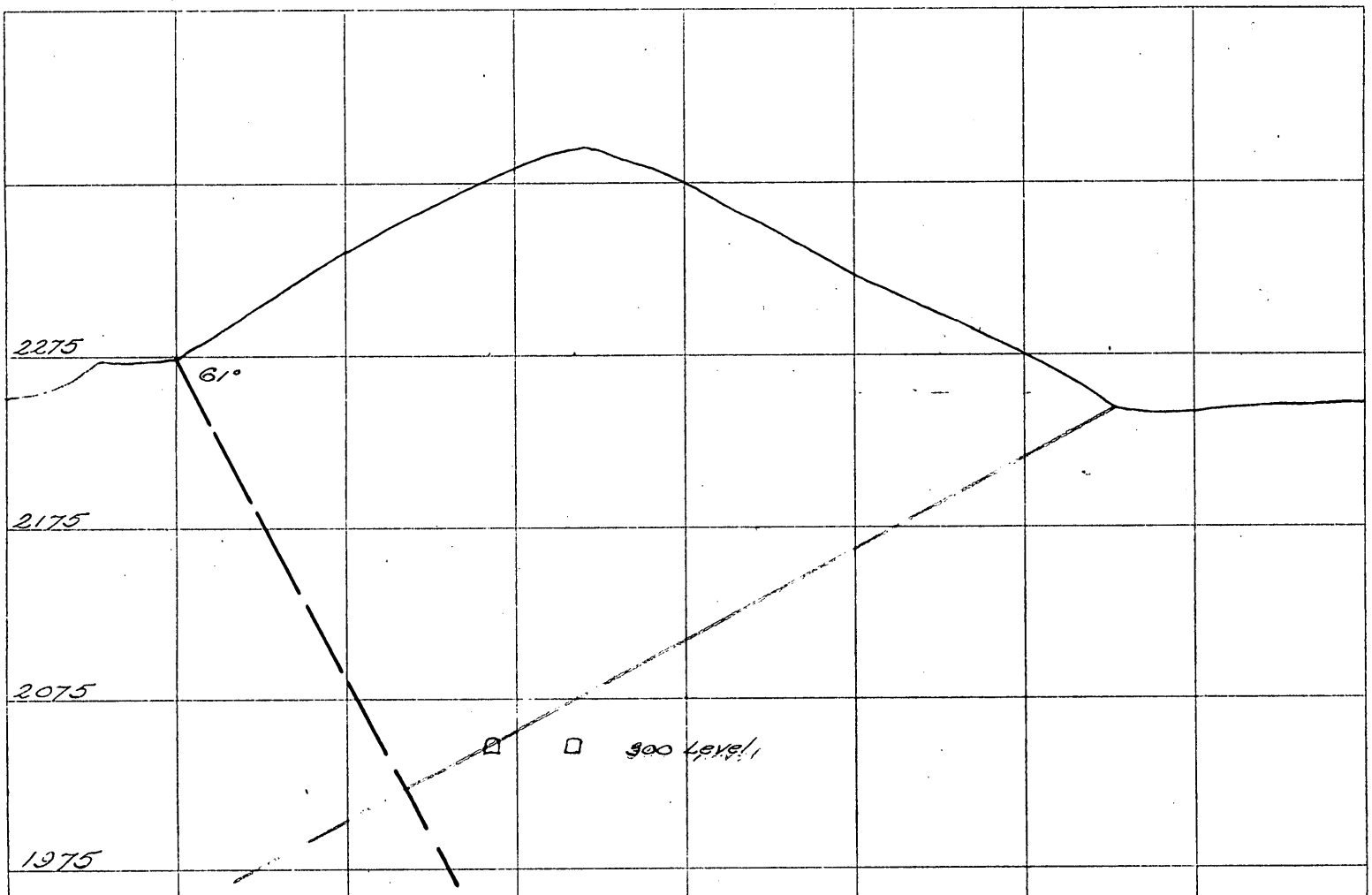
These maps are to accompany the application submitted by the Idaho Antimony Company. This application for a DMA contract was forwarded to your office on December 12, 1952.

Sincerely yours

Thor H. Kristgaard
For: A. E. Heinsohn
Executive Officer, DMA
Field Team, Region II

Enclosures

cc: DMA (2)
Quinlan

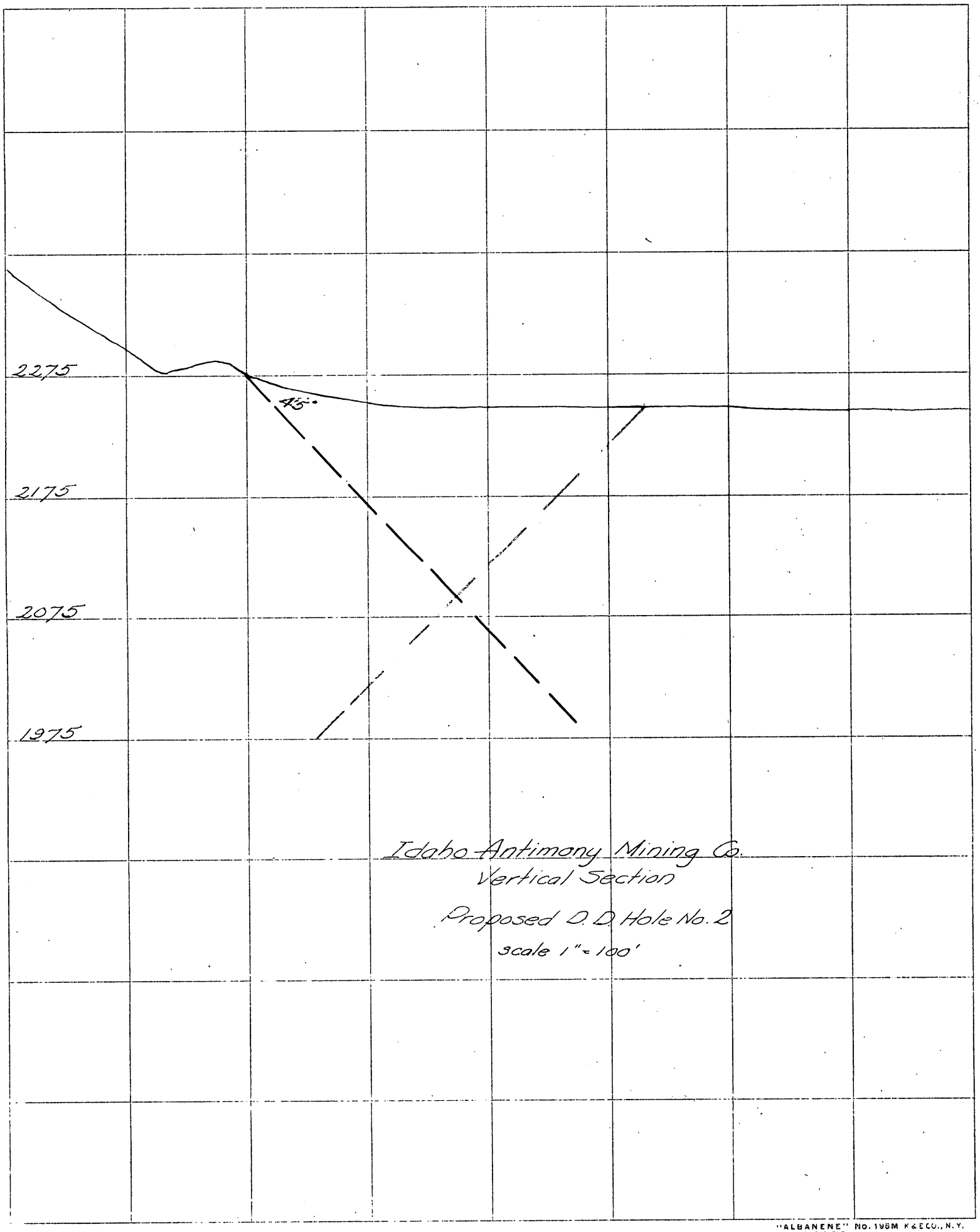


Idaho-Antimony Mining Co.
Vertical Section

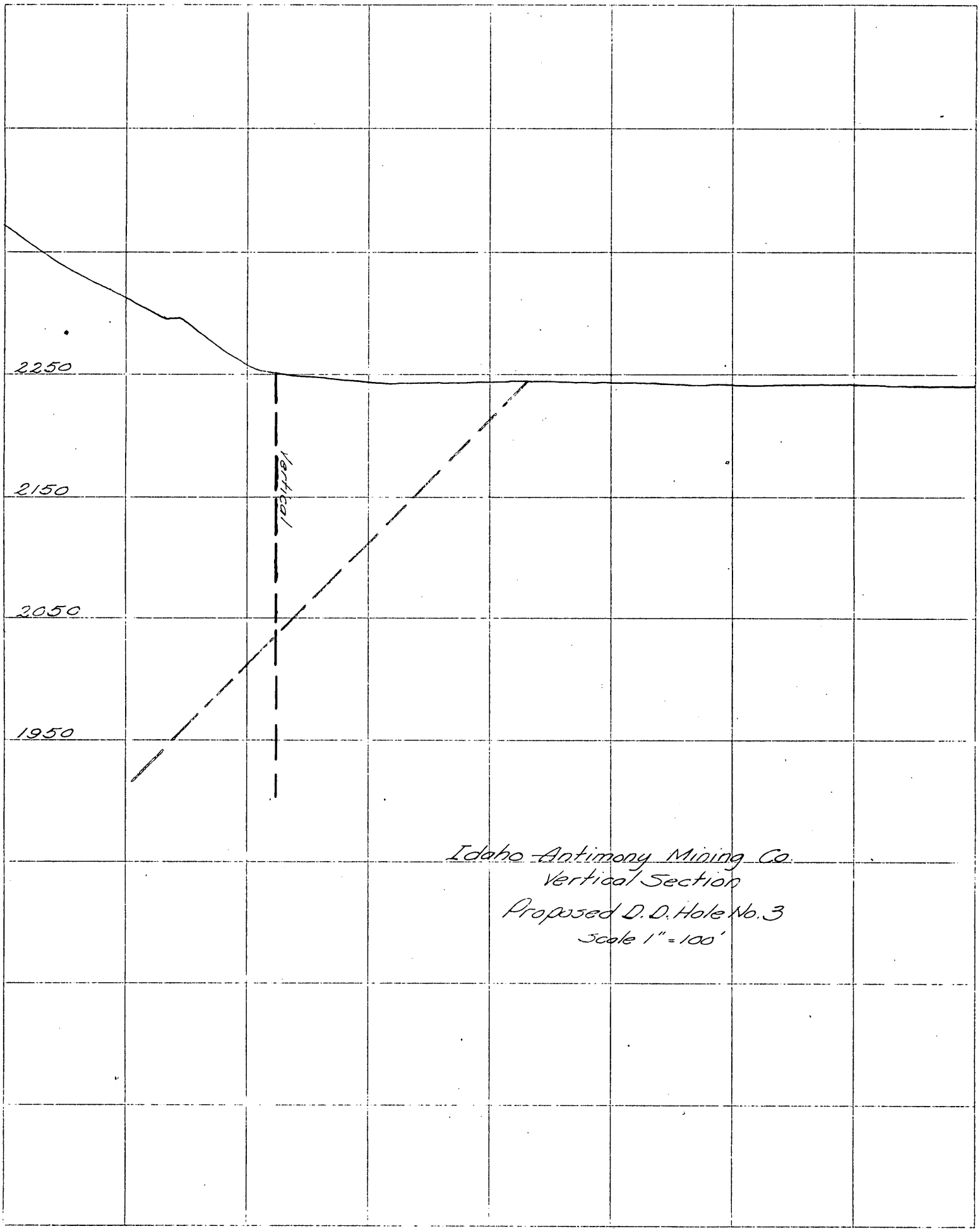
Proposed D.D. Hole No. 1

scale 1" = 100'

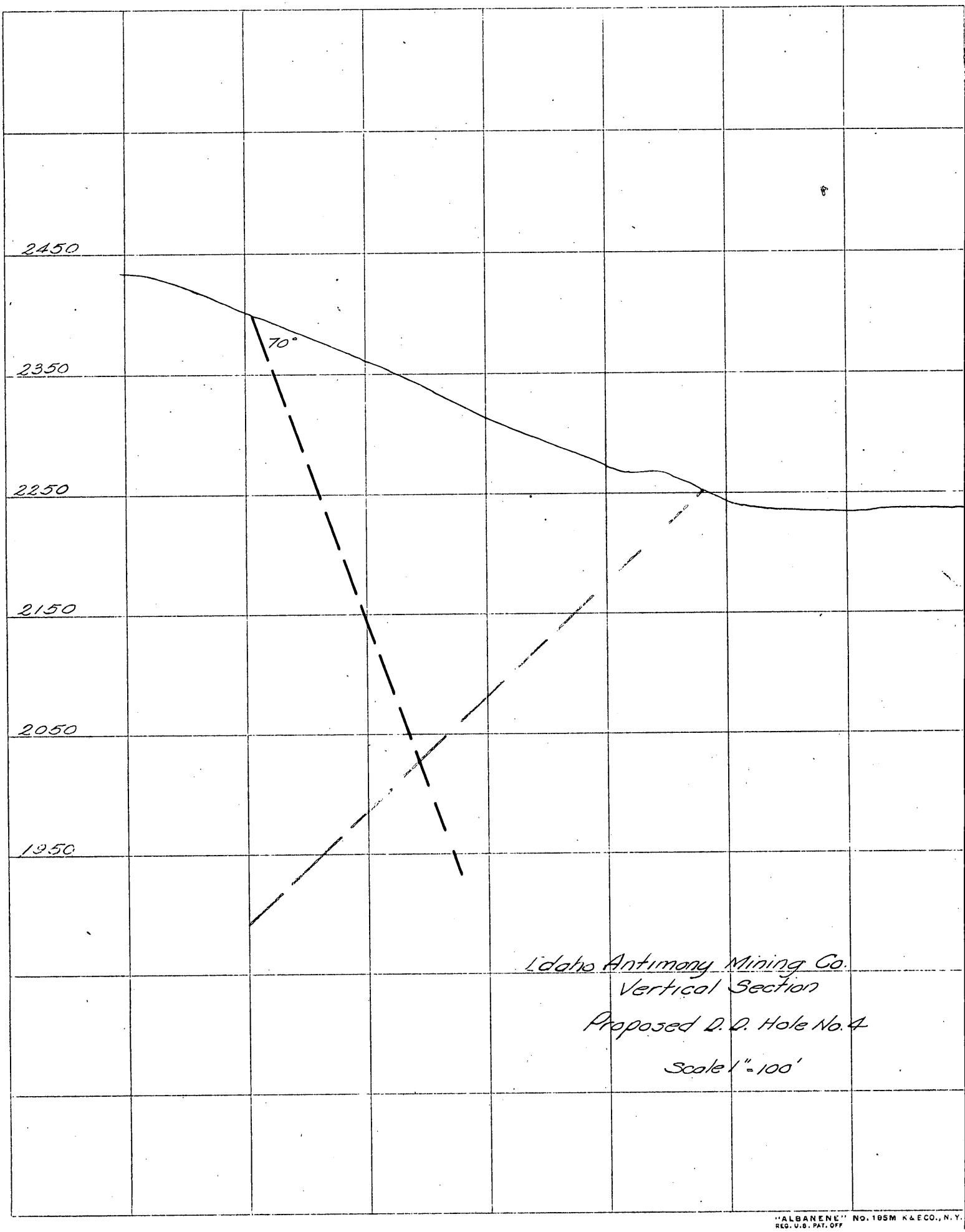
"ALBANENE" No. 195M K&E CO., N.Y.
REG. U.S. PAT. OFF



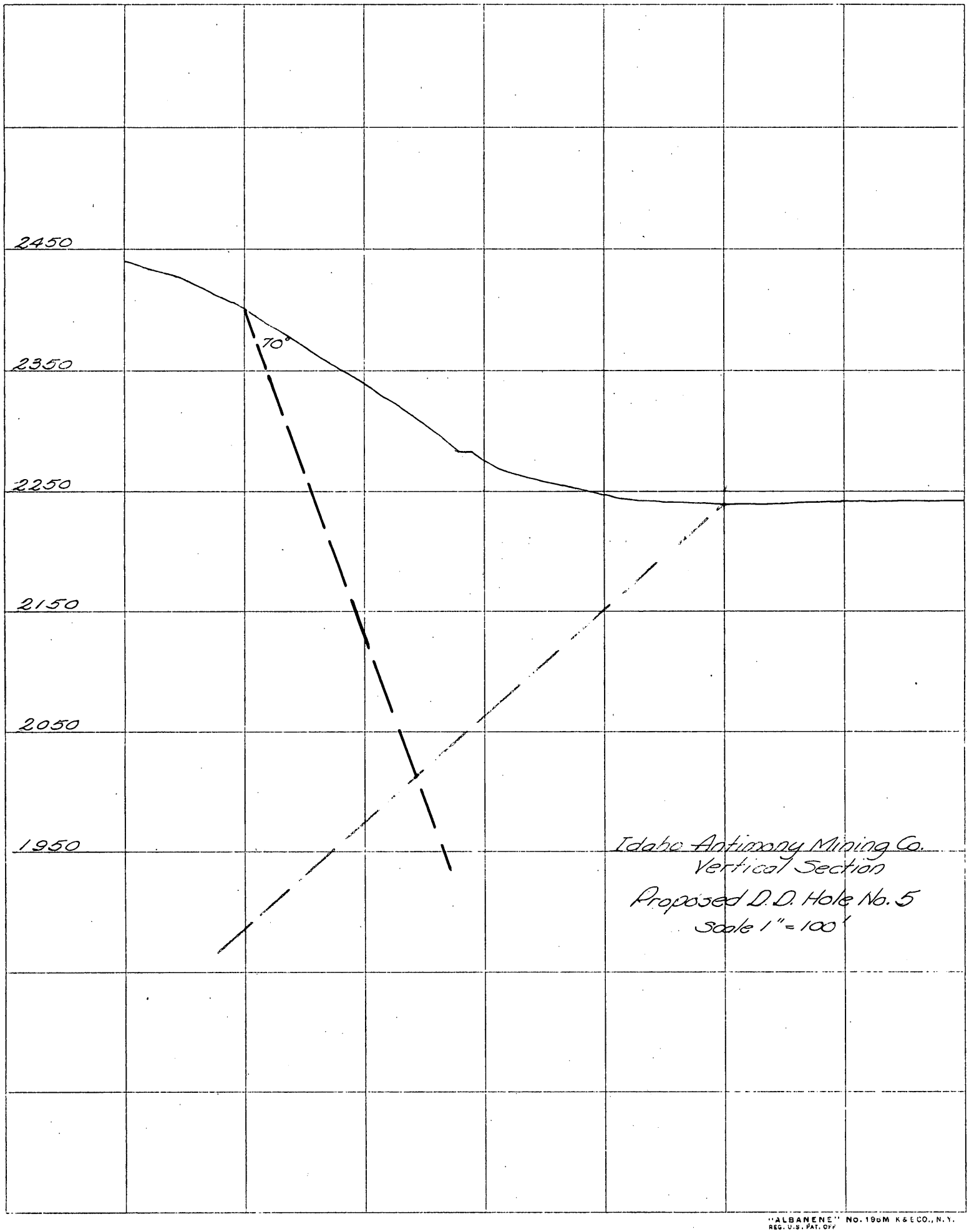
"ALBANENE" NO. 195M K&E CO., N.Y.
REG. U.S. PAT. OFF



"ALBANENE" NO. 195M K&E CO., N.Y.
REG. U.S. PAT. OFF



"ALBANENE" No. 195M K&E CO., N.Y.
REG. U.S. PAT. OFF



"ALBANENE" No. 196M K&E CO., N.Y.
REG. U.S. PAT. OFF.

NON-PRIVILEGED DOCUMENT

TO BE PHOTOCOPIED AND PRODUCED

DO NOT CODE

BATES NO. USGSP0000347

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

March 3, 1953

Memorandum

To: Mr. E. W. Ellis

From: E. L. Newcomb

Subject: Concurrence with field team recommendation for denial

Re: DMEA-2813
Coeur d'Alene Antimony Property
Yreka District
Shoshone County, Idaho
$21,450
Antimony

This property was examined by the field team in June, 1951, in connection with DMEA-1595 (Mr. C. C. Dunkle, applicant), but the application was subsequently withdrawn by the applicant.

The new application, DMEA-2813, did not require a field examination as the underground workings were still inaccessible and the Spokane field team office had sufficient data in their files to prepare a report.

On the basis of available information, the field team recommends the application be denied.

Although it is not stated in the application, the property was rehabilitated and examined in 1947 or 1948 by Mr. Claude Nugent Kellogg, Idaho. Mr. Nugent, in telephone conversation with the field team, stated that reported "good" ore on 250 level was not found and he consequently discontinued work on the property.

Although the mine has a record of past production, most of the ore was obtained from small lenses in a single ore shoot which bottoms above the 250 level. The nature of the ore in small lenses and the lack of evidence suggesting new and larger ore shoots along the vein structure indicates that the applicant's proposal is not justified geologically.

I concur with the field team's recommendation for denial.

E. L. Newcomb
Geologist

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

March 3, 1953

Memorandum

To: Mr. E. W. Ellis

From: E. L. Newcomb

Subject: Concurrence with field team recommendation for denial

Re: DMEA-2813
Coeur d'Alene Antimony Property
Yreka District
Shoshone County, Idaho
$21,450
Antimony

This property was examined by the field team in June, 1951, in connection with DMA-1595 (Mr. C. C. Dunkle, applicant), but the application was subsequently withdrawn by the applicant.

The new application, DMEA-2813, did not require a field examination as the underground workings were still inaccessible and the Spokane field team office had sufficient data in their files to prepare a report.

On the basis of available information, the field team recommends the application be denied.

Although it is not stated in the application, the property was rehabilitated and examined in 1947 or 1948 by Mr. Claude Nugent Kellogg, Idaho. Mr. Nugent, in telephone conversation with the field team, stated that reported "good" ore on 250 level was not found and he consequently discontinued work on the property.

Although the mine has a record of past production, most of the ore was obtained from small lenses in a single ore shoot which bottoms above the 250 level. The nature of the ore in small lenses and the lack of evidence suggesting new and larger ore shoots along the vein structure indicates that the applicant's proposal is not justified geologically.

I concur with the field team's recommendation for denial.

E. L. Newcomb
Geologist

2/20/53 gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 20 1953

February 17, 1953

Mr. George Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket DMEA-2813 (Antimony)

Dear Mr. Selfridge:

Enclosed are four (4) copies of a report by J. J. Quinlan and A. B. Campbell, U. S. Geological Survey, on the Coeur d'Alene Antimony property, Shoshone County, Idaho. As the subject property is now inaccessible no field examination was made. Instead, the report is based on information available at this office, coupled with verbal reports of those familiar with the property.

The report writers recommend denial of the Idaho Antimony Company's application for a DMEA contract and the Field Team concurs.

By DMEA Field Team, Region II

M. E. Volin, Acting Executive Officer
(U. S. Bureau of Mines)

Thor H. Kiilsgaard, Acting Member
(U. S. Geological Survey)

Enclosure

cc: USBM (2)
Quinlan
Campbell

Reviewed by
DMEA OPERATING COMMITTEE
2-27-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 20 1953

February 12, 1953

3/25/53

Memorandum

To: DMEA Field Team, Region II

From: J. J. Quinlan and A. B. Campbell, Geologists
U. S. Geological Survey

Subject: Review of available information on Coeur d' Alene Antimony Property, DMEA Docket 2813 (Antimony), Idaho Antimony Company, Kellogg, Idaho (Shoshone County).

INTRODUCTION

This memorandum has been prepared following a review of information available to the Spokane Office of the Defense Minerals Exploration Administration on the Coeur d'Alene Antimony property and to evaluate the Idaho Antimony Company's application for exploration assistance to explore that property.

The property was examined in June 1951 by Mr. H. C. Rainey and Mr. A. B. Campbell of the U. S. Geological Survey, relative to a DMA exploration loan application (DMA Docket 1595x) submitted by Mr. C. C. Dunkle of Kellogg, Idaho, which was subsequently withdrawn by the applicant. No work has been done at the property since this examination was made; however, additional information has been called to our attention which indicates the lack of suitable exploration targets and which makes DMEA participation in the proposed exploration program unfeasible.

RECOMMENDATIONS

It is recommended that the Idaho Antimony Company's application for exploration aid to explore the Coeur d'Alene Antimony property be denied.

Evidence indicates that the mine has been worked out and that no reasonable exploration targets exist.

APPLICANT

The applicant is the Idaho Antimony Company, 322 Main Street, Kellogg, Idaho.

Reviewed by
DMEA OPERATING COMMITTEE
2-27-53
(date)

The officers of the Idaho Antimony Company are Mr. Fred Albinola, President; Mr. John George, Vice President; and Mr. C. C. Dunkle, Secretary. These men have been associated with small mining ventures in the Coeur d'Alene district for many years.

Exploration is to be under the direction of Mr. C. C. Dunkle and is to be supervised by the engineering firm of Preston and Reynolds of Kellogg, Idaho.

Mr. C. C. Dunkle submitted an exploration loan application to explore the Coeur d'Alene Antimony property on May 29, 1951 (DMA Docket 159x). This application requested funds for rehabilitation of the inclined shaft and 250-foot level, and funds for 200 feet of drifting on the 250-foot level. On the basis of known information, the Field Team recommended approval of this program with slight modifications. The applicant, however, withdrew his application with the intent of submitting another application to diamond drill the deposit.

It is unfortunate that when the original application was received the Field Team did not know the inclined shaft and 250-foot level had been rehabilitated and examined in 1947 or 1948, and that mineralization exposed in the mine workings was so discouraging that further exploration plans had been abandoned. Had this information been available when the original application was received, the Field Team would have recommended its denial.

LOCATION AND ACCESS

The property is on the west side of Pine Creek valley, about three-fourths of a mile west of Pinehurst, Idaho. It is one mile south of U. S. Highway 10 and is readily accessible. The property is in Sec. 6, T. 48 N., R. 1 E., B. M., Yreka Mining District, Shoshone County, Idaho.

HISTORY AND PAST PRODUCTION

The Coeur d'Alene Antimony property was located in 1885 and has been operated intermittently since that date; the most active periods of exploitation being about 1893 to 1896 and 1915 to 1918. Production to 1918 is reported as 2,000 tons of ore containing 125 tons of metallic antimony 1/.

The property was idle from 1918 to 1939 when it was restaked by Mr. Sinnamaki and Mr. Hill of Pinehurst, Idaho 2/.

1/ Ferguson, H. G., Antimony, Mineral Resources of the United States 1918, Part I, p. 41, USGS 1921.

2/ White, D. E., Antimony in the Coeur d'Alene District, Idaho, U. S. Geological Survey unpublished report pp. 7-8, 1942.

In 1940, 44 tons of 16 percent antimony ore were produced; this ore is believed to have come from mine dumps.

Mr. James Doyle of Kellogg, Idaho, leased the property in 1942 and did some surface work, rehabilitated a portion of the workings, and then relinquished his lease.

In 1947 or 1948, the property was leased to Mr. Claude Nugent of Kellogg, Idaho. The inclined shaft and the 250-foot level were rehabilitated and the workings examined. Mr. Nugent was contacted by telephone on January 12, 1952, and he reported that the vein structure did not contain ore on the 250-foot level and was of such a nature that further exploration was not considered. Mr. Nugent further reported that approximately 100 gallons of water per minute had to be pumped from the mine workings after rehabilitation. Following his examination of the workings, Mr. Nugent relinquished his lease on the property.

OWNERSHIP OF THE PROPERTY

The Coeur d'Alene Antimony Company is represented in the application as owner of the property. The application infers that the Coeur d'Alene Antimony Company's rights to the Pine and Big 3 unpatented claims are held by right of location. The location states that the Pine lode claim was located in 1885 and the Big 3 lode claim was located in 1913. These claims are reported to be recorded in Book C on page 312, and the Big 3 lode claim recorded in Book 12 on page 364.

Mr. D. E. White 3/ reports the property was restaked by Mr. Sinnamaki and Mr. Hill in 1939. If this is true, it is quite possible that locations of 1885 and 1913 are no longer valid. If a contract is let on the property, this point should be clarified.

MINE WORKINGS

The vein has been explored by pits, trenches, shafts, and adits. The underground workings are inaccessible (January 1953) and their exact extent is not known. The principal workings are reported to be a 300-foot incline shaft on the vein with auxiliary workings therefrom. A map submitted by the applicant shows that the bottom level off the shaft, known as the 250-foot level, extends 340 feet southwest of the shaft.

3/ White, D. E., op. cit.

GEOLOGY

The Coeur d'Alene Antimony property has been described by F. A. Thompson 4/, E. L. Jones, Jr. 5/, J. B. Umpleby and E. L. Jones, Jr. 6/ and D. E. White7/. Because of the inaccessibility of underground workings, it has been necessary to rely heavily on these reports for much of the information contained in this memorandum.

The area is underlain by black shales and argillites of the Prichard formation (Algonkian Age). The vein occupies a fault or shear zone which strikes N. 30° E. and dips 25° to 45° NW. The bedding in the footwall of this fault is for the most part parallel to the fault; however, the hanging wall beds are tightly folded and highly contorted.

The vein consists of quartz, stibnite, and pyrite, and ranges from less than one foot to five feet in width. Post mineral movement along the fault fissure has crushed the quartz, and much of the stibnite is ground to a slickensided black fine-grained aggregate.

Minable ore is reported to be lensy in nature. It is believed that most of the ore mined has come from a definite shoot which contains lens-like bodies. This shoot is reported to be about 100 feet in length and rakes to the southwest. A verbal report by Mr. Claude Nugent indicates that this ore shoot does not extend to the 250-foot level.

Two geologic maps accompany this memorandum. The first is a surface geologic map prepared by Mr. Rainey and Mr. Campbell during their examination in June 1951. The second map was prepared for the applicant by the engineering firm of Preston and Reynolds and shows the surface geology as well as a portion of the underground workings. Mr. Reynolds reports that the shaft and auxiliary workings were inaccessible when he examined the property and that the geology of the 250-level is after Mr. Claude Nugent; the report of "good ore" is by Mr. C. C. Dunkle.

EVALUATION OF PROPOSAL

To explore the vein the applicant proposes to drill five diamond drill holes having an aggregate length of 2,100 feet. If

---

4/ Thompson, F. A., Antimony, University of Idaho School of Mines, Bull. 2, pp. 52-53, 1919.

5/ Jones, E. L., Jr., A Reconnaissance of the Pine Creek district, Idaho, U. S. Geol. Survey Bull. 710, pp. 32-33, 1920.

6/ Umpleby, J. B., and Jones, E. L., Jr., Geology and Ore Deposits of Shoshone County, Idaho, U. S. Geol. Survey Bull. 732, pp. 121-122, 1923.

7/ White, D. E., op. cit.

this drilling is successful, a number of additional holes, having an aggregate length of 1,900 feet, will be drilled.

The applicant hopes by this drilling to locate antimony ore bodies within the vein structure. The lens-like nature of the ore even within the definite ore shoot indicates that it would be happenstance if a drill hole cut an ore lens. Furthermore, only one definite shoot has been established and this shoot is reported to bottom above the 250-foot level. Because of the lensy character of the ore shoot, it is doubtful that diamond drilling would be successful in finding more ore. Furthermore, all available information suggests that the ore lens found to date are small.

CONCLUSIONS

The major portion of the mine's production was made prior to 1918. Since that date, attempts to bring the mine back into production have met with failure. Rehabilitation of mine workings by Mr. James Doyle in 1942 and by Mr. Claude Nugent in 1947 or 1948 indicates the mine has been worked out. It is believed that the drilling program proposed by the applicant is unfeasible. Moreover, the lenticular nature of the ore pods indicates that further exploration of any type would be largely non-productive.

Enclosures
Dist:
DMEA- Orig. & 3
USBM (3)
USGS (SRO)
Docket
Quinlan

3-4-53 fem

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
No. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 20 1953

February 17, 1953

Mr. George Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket DMEA-2613 (Antimony)

Dear Mr. Selfridge:

Enclosed are four (4) copies of a report by J. J. Quinlan and A. B. Campbell, U. S. Geological Survey, on the Coeur d'Alene Antimony Property, Shoshone County, Idaho. As the subject property is now inaccessible no field examination was made. Instead, the report is based on information available at this office, coupled with verbal reports of those familiar with the property.

The report writers recommend denial of the Idaho Antimony Company's application for a DMEA contract and the Field Team concurs.

By DMEA Field Team, Region II

M. L. Volin, Acting Executive Officer
(U. S. Bureau of Mines)

Thor H. Kiilsgaard, Acting Member
(U. S. Geological Survey)

Enclosure

cc: USGS (2)
Quinlan
Campbell

Reviewed by
DMEA OPERATING COMMITTEE
2-27-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D.C.
So. 157 Howard Street
Spokane 1, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 20 1953

February 12, 1953

Memorandum

To: DMEA Field Team, Region II

From: J. J. Gillian and A. H. Campbell, Geologists
U. S. Geological Survey

Subject: Review of available information on Coeur d' Alene Antimony property, DMEA Docket 2113 (Antimony), Idaho Antimony Company, Kellogg, Idaho (Shoshone County).

INTRODUCTION

This memorandum has been prepared following a review of information available to the Spokane Office of the Defense Minerals Exploration Administration on the Coeur d'Alene Antimony property and to evaluate the Idaho Antimony Company's application for exploration assistance to explore that property.

The property was examined in June 1951 by Mr. G. C. Gainey and Mr. A. H. Campbell of the U. S. Geological Survey, relative to a DMEA exploration loan application (DMEA Docket 1595x) submitted by Mr. C. C. Dunkle of Kellogg, Idaho, which was subsequently withdrawn by the applicant. No work has been done at the property since this examination was made; however, additional information has been called to our attention which indicates the lack of suitable exploration targets and which makes DMEA participation in the proposed exploration program unfeasible.

RECOMMENDATION

It is recommended that the Idaho Antimony Company's application for exploration aid to explore the Coeur d'Alene Antimony property be denied.

Evidence indicates that the mine has been worked out and that no reasonable exploration targets exist.

APPLICANT

The applicant is the Idaho Antimony Company, 302 Main Street, Kellogg, Idaho.

Reviewed by
DMEA OPERATING COMMITTEE
2-27-53
(date)

The officers of the Idaho Antimony Company are Mr. Fred Albinola, President; Mr. John George, Vice President; and Mr. C. C. Dunkle, Secretary. These men have been associated with small mining ventures in the Coeur d'Alene district for many years.

Exploration is to be under the direction of Mr. C. C. Dunkle and is to be supervised by the engineering firm of Preston and Reynolds of Kellogg, Idaho.

Mr. C. C. Dunkle submitted an exploration loan application to explore the Coeur d'Alene Antimony property on May 29, 1951 (DMA Docket 15[illegible]). This application requested funds for rehabilitation of the inclined shaft and 250-foot level, and funds for 200 feet of drifting on the 250-foot level. On the basis of known information, the Field Team recommended approval of this program with slight modifications. The applicant, however, withdrew his application with the intent of submitting another application to diamond drill the deposit.

It is unfortunate that when the original application was received the Field Team did not know the inclined shaft and 250-foot level had been rehabilitated and examined in 1947 or 1948, and that mineralization exposed in the mine workings was so discouraging that further exploration plans had been abandoned. Had this information been available when the original application was received, the Field Team would have recommended its denial.

LOCATION AND ACCESS

The property is on the west side of Pine Creek valley, about three-fourths of a mile west of Pinehurst, Idaho. It is one mile south of U. S. Highway 10 and is readily accessible. The property is in Sec. 6, T. 48 N., R. 1 E., B. M., Ireka Mining District, Shoshone County, Idaho.

HISTORY AND PRODUCTION

The Coeur d'Alene Antimony property was located in 1885 and has been operated intermittently since that date; the most active periods of exploitation being about 1893 to 1896 and 1915 to 1918. Production to 1918 is reported as 2,000 tons of ore containing 125 tons of metallic antimony 1/.

The property was idle from 1918 to 1932 when it was restaked by Mr. Simmanski and Mr. Hill of Pinehurst, Idaho 2/.

1/ Ferguson, H. G., Antimony, Mineral Resources of the United States 1918, Part 1, p. 41, USGS 1921.
2/ White, D. E., Antimony in the Coeur d'Alene District, Idaho, U. S. Geological Survey unpublished report pp. 7-8, 1942.

In 1940, 44 tons of 16 percent antimony ore were produced; this ore is believed to have come from mine dumps.

Mr. James Boyle of Kellogg, Idaho, leased the property in 1942 and did some surface work, rehabilitated a portion of the workings, and then relinquished his lease.

In 1947 or 1948, the property was leased to Mr. Claude Mugent of Kellogg, Idaho. The inclined shaft and the 250-foot level were rehabilitated and the workings examined. Mr. Mugent was contacted by telephone on January 12, 1952, and he reported that the vein structure did not contain ore on the 250-foot level and was of such a nature that further exploration was not considered. Mr. Mugent further reported that approximately 100 gallons of water per minute had to be pumped from the mine workings after rehabilitation. Following his examination of the workings, Mr. Mugent relinquished his lease on the property.

OWNERSHIP OF THE PROPERTY

The Coeur d'Alene Antimony Company is represented in the application as owner of the property. The application infers that the Coeur d'Alene Antimony Company's rights to the Pine and Big 3 unpatented claims are held by right of location. The location states that the Pine lode claim was located in 1885 and the Big 3 lode claim was located in 1913. These claims are reported to be recorded in Book C on page 312, and the Big 3 lode claim recorded in Book 12 on page 364.

Mr. D. E. White 3/ reports the property was restaked by Mr. Sinnamaki and Mr. Hill in 1939. If this is true, it is quite possible that locations of 1885 and 1913 are no longer valid. If a contract is let on the property, this point should be clarified.

MINE WORKINGS

The vein has been explored by pits, trenches, shafts, and adits. The underground workings are inaccessible (January 1953) and their exact extent is not known. The principal workings are reported to be a 300-foot incline shaft on the vein with auxiliary workings therefrom. A map submitted by the applicant shows that the bottom level off the shaft, known as the 250-foot level, extends 340 feet southwest of the shaft.

3/ White, D. E., op. cit.

GEOLOGY

The Coeur d'Alene Antimony property has been described by F. A. Thompson 4/, E. L. Jones, Jr. 5/, J. B. Umpleby and E. L. Jones, Jr. 6/ and D. E. White7/. Because of the inaccessibility of underground workings, it has been necessary to rely heavily on these reports for much of the information contained in this memorandum.

The area is underlain by black shales and argillites of the Prichard formation (Algonkian Age). The vein occupies a fault or shear zone which strikes N. 30° E. and dips 25° to 45° NW. The bedding in the footwall of this fault is for the most part parallel to the fault; however, the hanging wall beds are tightly folded and highly contorted.

The vein consists of quartz, stibnite, and pyrite, and ranges from less than one foot to five feet in width. Post mineral movement along the fault fissure has crushed the quartz, and much of the stibnite is ground to a slickensided black fine-grained aggregate.

Minable ore is reported to be lensy in nature. It is believed that most of the ore mined has come from a definite shoot which contains lens-like bodies. This shoot is reported to be about 100 feet in length and rakes to the southwest. A verbal report by Mr. Claude Nugent indicates that this ore shoot does not extend to the 250-foot level.

Two geologic maps accompany this memorandum. The first is a surface geologic map prepared by Mr. Rainey and Mr. Campbell during their examination in June 1951. The second map was prepared for the applicant by the engineering firm of Preston and Reynolds and shows the surface geology as well as a portion of the underground workings. Mr. Reynolds reports that the shaft and auxiliary workings were inaccessible when he examined the property and that the geology of the 250-level is after Mr. Claude Nugent; the report of "good ore" is by Mr. C. C. Dunkle.

EVALUATION OF PROPOSAL

To explore the vein the applicant proposes to drill five diamond drill holes having an aggregate length of 2,100 feet. If

---

4/ Thompson, F. A., Antimony, University of Idaho School of Mines, Bull. 2, pp. 52-53, 1919.

5/ Jones, E. L., Jr., A Reconnaissance of the Pine Creek district, Idaho, U. S. Geol. Survey Bull. 710, pp. 32-33, 1920.

6/ Umpleby, J. B., and Jones, E. L., Jr., Geology and Ore Deposits of Shoshone County, Idaho, U. S. Geol. Survey Bull. 732, pp. 121-122, 1923.

7/ White, D. E., op. cit.

this drilling is successful, a number of additional holes, having an aggregate length of 1,900 feet, will be drilled.

The applicant hopes by this drilling to locate antimony ore bodies within the vein structure. The lens-like nature of the ore even within the definite ore shoot indicates that it would be happenstance if a drill hole cut an ore lens. Furthermore, only one definite shoot has been established and this shoot is reported to bottom above the 250-foot level. Because of the lensy character of the ore shoot, it is doubtful that diamond drilling would be successful in finding more ore. Furthermore, all available information suggests that the ore lens found to date are small.

CONCLUSIONS

The major portion of the mine's production was made prior to 1918. Since that date, attempts to bring the mine back into production have met with failure. Rehabilitation of mine workings by Mr. James Doyle in 1942 and by Mr. Claude Rugent in 1947 or 1948 indicates the mine has been worked out. It is believed that the drilling program proposed by the applicant is unfeasible. Moreover, the lenticular nature of the ore pods indicates that further exploration of any type would be largely non-productive.

Enclosures
Dist:
DMA- Orig. & 3
USBM (3)
USGS (SRO)
Docket
Quinlan

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

December 17, 1952

Re: DMEA-2813
Idaho Antimony Company
Yreka District
Shoshone County, Idaho
$21,450
Antimony

Memorandum

To: Mr. E. Wm. Ellis

From: E. L. Newcomb

Subject: Review of application

The letter of transmittal from the field team states that one copy of the application has been retained in their office. A field report will be prepared on the subject property at the earliest practicable date.

We are retaining our copy of the application for further consideration after we receive the field team's report.

E. L. Newcomb
Geologist

Detail Sheet No. 1
Idaho Antimony Company

1. Idaho Antimony Company
322 Main Street
Kellogg, Idaho

(b) Corporation incorporated under the laws at Idaho.

(c) Fred Albinola, President, 322 Main Street, Kellogg, Idaho
John George, Vice-President, 105 S. Division, Kellogg, Idaho
C. C. Dunkle, Secretary, Box 568, Pinehurst, Idaho

(d)

2. Attached as requested.

3. Big 3 and Pine unpatented lode claims, unpatented Pine millsite, all in the SE¼ Sec. 6, T. 48N, R. 2 EBM. The Idaho Antimony Co. owns the above claims and in addition owns the mineral rights to the SE¼NE¼, NW¼SE¼ and NE¼SE¼ all in Sec. 6, T.48N. R. 2 EBM, Yreka Mining District, Shoshone County, Idaho.

(b) Coeur d' Alene Antimony Mine

(c) Owner

(d)

(e) None

(f) Pine lode, Book C, Page 312, Located 9/15/85
Big 3 lode, Book 12, Page 364, Located 9/9/13

4. Mining operations were started at the Coeur d' Alene Antimony Mine sometime prior to 1900 and continued intermittently until the 30's. The principal development is by an inclined shaft approximately 350 feet deep and 3 laterals from the shaft. There are no maps available so the aggregate length at the laterals is not known. In addition to the inclined shaft the property was formerly developed by a number of short surface tunnels and by at least two vertical shafts.

None ~~at~~ of the workings are now accessible. The inclined shaft is full of water and all other workings are caved.

There is no mining or milling equipment on the property.

(b) Dr. Frances A. Thomson, writing for Idaho School of Mines, Bull. No. 2, in 1919, gives the production at that date as 2,000 tons of ore containing 500,000 pounds of antimony metal. Mill concentrates produced in 1916 averages 36.36% antimony and 0.24 oz. gold per ton.

The production since 1919 is not known but leasing operations have no doubt added materially to the figures given above.

The mine workings are either caved or full of water so it is not known whether there is any developed ore in the mine. Mr. C. C. Dunkle reports having seen high grade antimony ore on the 250 level drift. There has been no development below the 250 level.

4. (continued)

(c) The Coeur d' Alene Antimony vein strikes roughly N. 40°E. and dips from 30° to 60° West. The vein appears to be of the fissure type and cuts the dark grey argillaceous beds of the Pritchard formation. Most of the reported production has come from a single ore shoot. The inferred position of this ore shoot is shown on the accompanying geological plan. Surface ore has been mined from a second shoot to the south of the main shoot. It is doubtful if this shoot has ever been explored underground.

Several quartz gossan veins have recently been explored on the ridge to the south of the mine workings. Assays of this material failed to show any antimony.

For additional information concerning the underground geology refer to the following publications:

U.S.G.S. Bull. 710-A; A Reconnaissance of the Pine Creek District, Idaho; by Edward L. Iones, Jr., 1919.

University of Idaho School of Mines Bull. No. 2, 1919.

(d) The property is ideally situated, being on the West side of Pine Creek and adjoining the growing community of Pinehurst. It is slightly over ½ mile south of highway U. S. 10 and within a mile of the Union Pacific railroad.

(e) Electric power is available at the mine. Water for diamond drilling can be pumped from either the mine workings or from Pine Creek. Manpower, materials and supplies are readily available.

5. Antimony (Stibnite).

(b) It is proposed to explore the Coeur d' Alene antimony vein by surface diamond drilling. The first hole, as indicated on the enclosed plan and sections, is to cut the vein approximately 50 feet below the lowest level, in the plane of the projected position of the No. 1 ore shoot. This will be immediately below where Mr. Dunkle reports having seen high grade antimony ore when the mine was last in operation.

Hole No. 2 is to explore the possible downward extension of the shallow ore mined from the surface south of the No. 1 shoot.

If neither of these holes encounter ore, Holes 3, 4 and 5 will be drilled to prospect the vein to the northeast. In this area the outcrop of the vein is hidden by valley fill so nothing is known concerning its possible values. It is reported, however, that cuttings from wells drilled in Pinehurst have shown the presence of antimony.

If the results from either Hole No. 1 or No. 2 are sufficiently encouraging, additional holes should be drilled in that area before any work is done to the northeast.

It is proposed to drill a minimum of 5 holes, aggregating 2100 feet. To further explore any ore encountered, an additional 1900 feet of drilling is proposed. The locations, dips and length of the proposed holes are indicated on the accompanying plan and section.

Detail Sheet No. 3
Idaho Antimony Company

5. (Continued)

(c) The work will start within 60 days and can be completed within 6 months from the date of an exploration project contract.

(d) The directors and officials of the company are all mining people with considerable experience in mine management and finance. Mr. C. C. Dunkle, general manager of the Nabob Silver-Lead Company, will direct the exploration program with the actual supervision of work done by the consulting firm of Preston and Reynolds, Kellogg, Idaho.

6. Bulldozing, preparation of drill sites $ 250
Diamond drilling:

Minimum 2100' AX drilling @ $5.00 per foot	$10 500
Maximum 4000' AX drilling @ $5.00 per foot	$20 000

(b) Supervision

Minimum 3 months @ $200 per month	$ 600
Maximum 6 months @ $200 per month	$ 1 200

(c) None

(d) None

(e) None

(f) None

(g) None

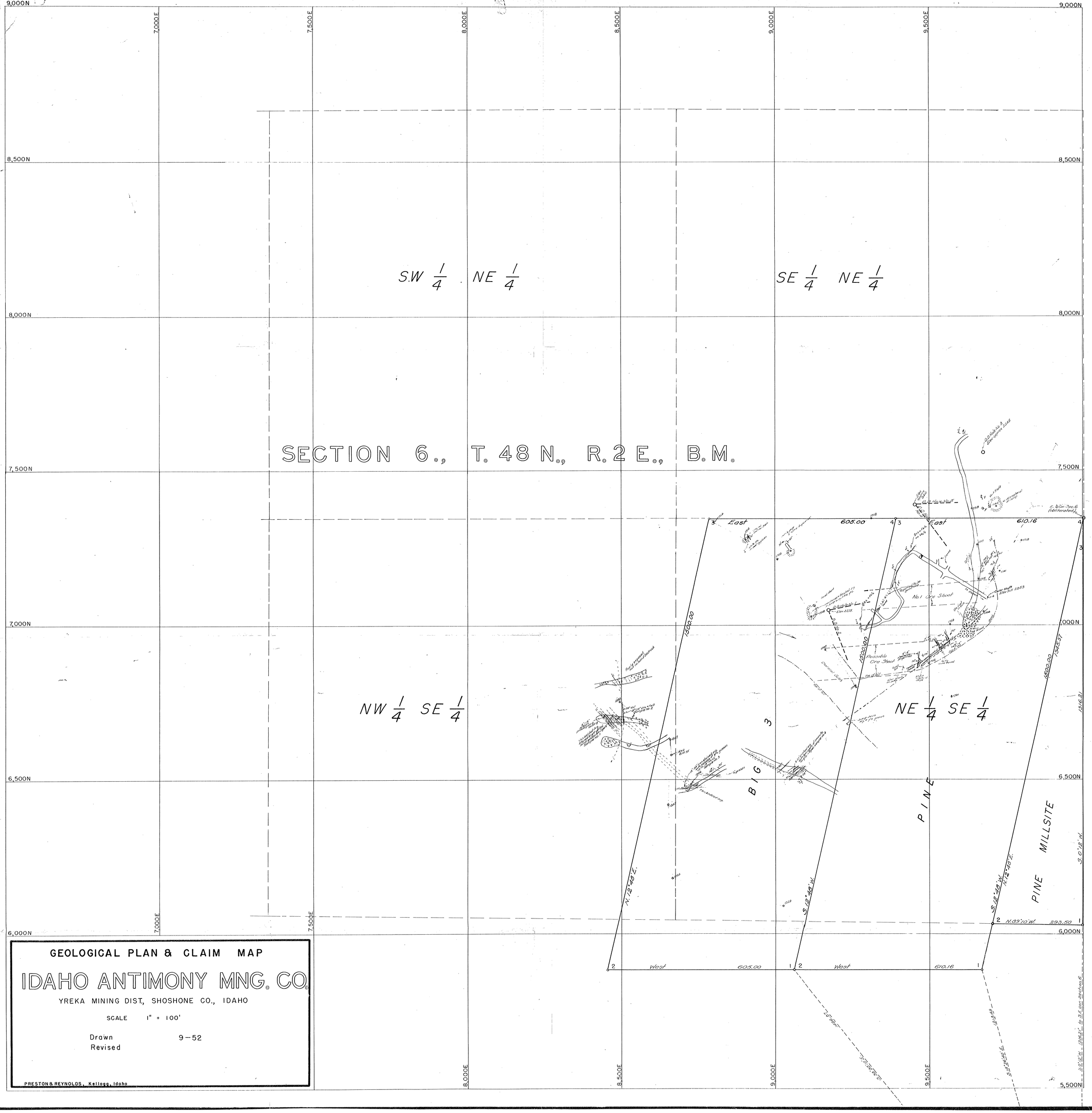
(h) None

Minimum total (2100' of drilling)	$11 350
Maximum total (4000' of drilling)	$21 450

7. Yes

(b) Money

The directors of the Idaho Antimony Company will personally underwrite the balance for any money needed.



GEOLOGICAL PLAN & CLAIM MAP

IDAHO ANTIMONY MNG. CO.

YREKA MINING DIST., SHOSHONE CO., IDAHO

SCALE 1" = 100'

Drawn 9-52
Revised

PRESTON & REYNOLDS, Kellogg, Idaho

GEOLOGICAL PLAN & CLAIM MAP

IDAHO ANTIMONY MNG. CO.

YREKA MINING DIST., SHOSHONE CO., IDAHO

SCALE 1" = 100'

Drawn 9-52
Revised

PRESTON & REYNOLDS, Kellogg, Idaho