DMA [illegible]m 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1686x

DO NOT DETACH THIS SLIP

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

This document has been recorded as

Exploration LOAN

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

Routing Slip

To: SUPPLY DIVISION Date 9-7-51

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

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

DMA Form 2

DEFENSE MINERALS ADMINISTRATION
Status Change Notice

DMA Docket No. 1686-X

To: Reports and Records Branch
LEAD ZINC BRANCH

Idamont Lead-Zinc Mines Co.

From: _____

Date: JUL 6 1951

The following action has been taken this date on the above Controlled Document.

Forwarded to _____

Type of request changed to:

_____

Denied ☐ Withdrawn ☐

Approved in amount of $ _____

Other action, specify:

On hand - to be denied

350

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D.C.
OCT 3 3 54 PM '51

South 2323 Lincoln street
Spokane, Washington
September 27, 1951

Mr. Tom Lyon, Director
Supply Division
Defense Minerals Administration
Washington, D.C.

Dear Sir:

RE; DMA 1686X

This acknowledges your letter of September 10th wherein you advise that the loan application of the Idamont company has been "rejected".

DMA has never made any examination of the property. The application was withdrawn on June 25th and your local office notified accordingly. Obviously your program is another farce, similar the the RFC "mining loan" racket.

If your letter is a solicitation that the case be re-opened, we are not interested. We will not hire any political talent such as in the Black Warrior mine loan that you granted (Funkhouser-Davidson), and we do not intend to employ any five percenters. Likewise, no deep freeze units or mink coats.

You refer to conserving public funds for nation defense as an excuse. Why Not be honest? You definitely intend to stick all of the appropriation in the pockets of the large mine operators. Thats always been the tacticts of the bureau of mines crowd.

That DMA is utterly useless there is no doubt, and there is every good reason that it should be immediately abolished. Thats the right way of saving the public money for national defense. Your letter is being given wide publicity.

Yours truly,

R. H. Russell

OCT 4 1951

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION SEP 10 1951
WASHINGTON 25, D. C.

Memorandum

To: Reports and Records Unit
Administrative Management Div.

From: Chief, Lead-Zinc Branch

Subject: Denial of loan

Re: DMA-1686X
Idamont Lead-Zinc Mining Co.
Mine on Boulder Creek near
Leonia, Idaho
Exploration loan $100,000 (tentative)
Zinc, lead

The company holds several thousand acres of land upon which a system of good roads totaling 20 miles, and six miles of water flume has been constructed (because the importance of the holdings, until recently, was thought to lie in the gold bearing gravels). About $2,000,000 has been invested since 1905 by several hundred small stockholders, and there appears to have been no returns as yet. Over 3,000 feet have been driven on 7 quartz veins enclosed in the Belt series quartzite. On the vein that applicant proposes to explore under subject docket, 629 feet of drift has already been driven on the vein from the outcrop to where the tunnel enters gravel in an old filled valley. Applicant has put down a winze 113 feet deep on the vein near its back end and has drifted 157 feet in both directions on this 113 foot level. These lower workings are now under water. The quartz vein is reported to widen to 16 inches at the bottom of the winze. Samples from this winze are reported to assay up to $112 per ton. Assays are continually quoted in dollars, which confirms the suspicion that the deposit is primarily a gold quartz vein. The veins on the property are so described in a report by the Idaho Bureau of Mines and Geology, published in 1926. However, a "sample" taken at the bottom of the winze is reported to assay 0.48 oz. of gold, 18.2 oz. silver, 37.6% lead, and undetermined zinc No details are given as to how the sample was taken.

Proposals in different parts of this application are conflicting. The $100,000 proposal dated May 29, 1951, includes sinking the winze 300 ft. deeper at $100 per foot, and driving 200 ft. of drift at the bottom of the winze at $30 per foot, total for these two items, $36,000. The remaining $64,000 is for rehabilitation of the winze, purchase of equipment and machinery, rehabilitation and equipment of housing, supervision and engineering ($10,000), and reserve for contingencies. Another report included with the application, dated 1944, proposes to sink the winze to a total depth of 200 feet below the main level, then drift back on this 200 level to the portal, and raise to

the portal. This recommendation is cited, because it seems to show that the purpose of the company is to continue with their past history of carrying on expensive development, and it doesn't seem to make much difference to them what they do or where they do it.

It is recommended that this application be denied for the following reasons:

Previous published geologic description is that the vein is a gold quartz vein, past history of the company shows a gross expenditure of stockholder's money with no returns (they still seem to be looking for ore), the specific proposal for this project is exhorbitant, mention of assays and grade is evasive, usually in dollars, and the only assay quoting lead is simply of a sample, which could well have been and probably was, a hand sample. The vein filling is described by the applicant as largely quartz, and though there is conflicting statements about the width, it is stated in one place to widen to 16 inches at the bottom of the winze, and in another place, width of values stated to be 4-13 inches. This is not a good lead-zinc proposition.

Returned herewith are:

Letter of May 20, 1951 to Weissenborn
2 copies MF-103 and 3 copies MF-100
3 copies of letter of May 29, 1951, from applicant outlining expenses of proposed project.
Large claim map of company holdings
Reports on the property by Rowland King, dated Aug. 17, 1929 (excerpt from letter), Feb. 19, 1932 (main report), and 1933 (supplemental report), with 2 attached maps.
Report on property by D. P. Woods, dated April 26, 1944
Transmittal letter of June 6, 1951 from Kiilsgaard

T. P. Billings, Chief
Lead-Zinc Branch

Approved:

Director, Supply Division

FILE COPY
SURNAME: 350

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

SEP 10 1951

McKnight
Billinger
Bradfo

Memorandum

To: Reports and Records Unit
Administrative Management Div.

From: Chief, Lead-Zinc Branch

Subject: Denial of loan

Re: DMA-1686X
Idamont Lead-Zinc Mining Co.
Mine on Boulder Creek near
Leonia, Idaho
Exploration loan $100,000 (tentative)
~~Zinc, lead~~

A. E. C.

The company holds several thousand acres of land upon which a system of good roads totaling 20 miles, and six miles of water flume has been constructed (because the importance of the holdings, until recently, was thought to lie in the gold bearing gravels). About $2,000,000 has been invested since 1905 by several hundred small stockholders, and there appears to have been no returns as yet. Over 3,000 feet have been driven on 7 quartz veins enclosed in the Belt series quartzites. On the vein that applicant proposes to explore under subject docket, 629 feet of drift has already been driven on the vein from the outcrop to where the tunnel enters gravel in an old filled valley. Applicant has put down a winze 113 feet deep on the vein near its back end and has drifted 157 feet in both directions on this 113 foot level. These lower workings are now under water. The quartz vein is reported to widen to 16 inches at the bottom of the winze. Samples from this winze are reported to assay up to $112 per ton. Assays are continually quoted in dollars, which confirms the suspicion that the deposit is primarily a gold quartz vein. The veins on the property are so described in a report by the Idaho Bureau of Mines and Geology, published in 1926. However, a "sample" taken at the bottom of the winze is reported to assay 0.48 oz. of gold, 18.2 oz. silver, 37.6% lead, and undetermined zinc No details are given as to how the sample was taken.

Proposals in different parts of this application are conflicting. The $100,000 proposal dated May 29, 1951, includes sinking the winze 300 ft. deeper at $100 per foot, and driving 200 ft. of drift at the bottom of the winze at $30 per foot, total for these two items, $36,000. The remaining $64,000 is for rehabilitation of the winze, purchase of equipment and machinery, rehabilitation and equipment of housing, supervision and engineering ($10,000), and reserve for contingencies. Another report included with the application, dated 1944, proposes to sink the winze to a total depth of 200 feet below the main level, then drift back on this 200 level to the portal, and raise to

the portal. This recommendation is cited, because it seems to show that the purpose of the company is to continue with their past history of carrying on expensive development, and it doesn't seem to make much difference to them what they do or where they do it.

It is recommended that this application be denied for the following reasons:

Previous published geologic description is that the vein is a gold quartz vein, past history of the company shows a gross expenditure of stockholder's money with no returns (they still seem to be looking for ore), the specific proposal for this project is exherbitant, mention of assays and grade is evasive, usually in dollars, and the only assay quoting lead is simply of a sample, which could well have been and probably was, a hand sample. The vein filling is described by the applicant as largely quartz, and though there is conflicting statements about the width, it is stated in one place to widen to 16 inches at the bottom of the winze, and in another place, width of values stated to be 4-13 inches. This is not a good lead-zinc proposition.

Returned herewith are:

Letter of May 20, 1951 to Weissenborn
2 copies MF-103 and 3 copies MF-100
3 copies of letter of May 29, 1951 from applicant outlining expenses of proposed project.
Large claim map of company holdings
Reports on the property by Rowland King, dated Aug. 17, 1929 (excerpt from letter), Feb. 19, 1932 (main report), and 1933 (supplemental report), with 2 attached maps.
Report on property by D. P. Woods, dated April 26, 1944
Transmittal letter of June 6, 1951 from Kiilsgaard

T. P. Billings, Chief
Lead-Zinc Branch

Approved:

Tom Lyon

Director, Supply Division

ETMcKnight:emp
G 9-6-51

Copies to A. E. Weissenborn Region II (2)
Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
R. H. Mote
Directors r. files 4214 GSA
Br. r. files 4214 GSA
Administrators r. file
DMA docket files

JF-9-10

FILE COPY
SURNAME:

350

McKnight
Billings
Bishop

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

SEP 10 1951

Re: DMA-1686X

Mr. R. H. Russell, President
Idamont Lead-Zinc Mines, Inc.
South 2323 Lincoln Street
Spokane, Washington

Dear Mr. Russell:

Your application for an exploration loan of $50,000 to match an equal amount from your company to explore in depth from your No. 3 tunnel, has been reviewed by the Defense Minerals Administration.

Review of the information presented with your application and also of published information on the district, indicates that the mineralization in the quartz veins on your property is for the most part narrow and of value chiefly for the silver and gold content. Extensive exploration already made on these veins has been unsuccessful in finding workable lead-zinc ores. Considering the unfavorable geologic conditions for lead and zinc and unsuccessful past exploration, we do not consider that the chances of finding any significant tonnage of these metals by the exploration that you propose are good enough to warrent an expenditure of public funds that have been appropriated for national defense. I regret, therefore, that your application must be declined.

We wish to thank you for bringing this property to our attention.

Very truly yours,

Tom Lyon

Tom Lyon, Director
Supply Division

JF 9-10

ETMcKnight:emp
G 9-6-51
Copies to: A. E. Weissenborn Region II (2)
Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
R. H. Mote
Directors r. files 4214 GSA
Br. r. files 4214 GSA
Administrators r. file
DMA docket files

FILE COPY
SURNAME:

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

June 21, 1951

Mr. R. H. Russell
President
Idamont Lead-Zinc Mines, Co.
South 2323 Lincoln Street
Spokane 9, Washington

Subject: DMA-1686X
Re: Exploration Loan

My dear Mr. Russell:

Receipt is acknowledged of your application and attachments of May 20, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1686X and was referred to Mr. Otto Herres, Chief, Lead-Zinc Branch on June 15, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1686X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:js
cc: Strobel-2
>Files
Herres
Lyon

Form MF-100
(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-1686 X

Date received 6/13/51

Participation

IDAHONT LEAD-ZINC MINES CO
SOUTH 2323 Lincoln street

SPOKANE 9, WASHINGTON

Name and address of applicant

Date December 7, 1950
May 20, 1951

FILL IN THIS BLOCK

Date of application December 7, 1950

Estimated cost To be determined by DMA

Mineral or metal zinc-lead

Percentage of Government participation

Location of mine Leonia, Boundary County, Idaho

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

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

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

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

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

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

THE EXPLORATION

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

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

THE REQUIREMENTS AND COSTS

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

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.

Idamont Lead-Zinc Mines Co (Name of company)

By R A Russell (Signature of authorized official)

May 20, 1951 (Date)

President (Title)

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

*Same as footnote on page 1.

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

Form MF-129
(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-1686X

Date received 6/13/51

IDAHONT LEAD-ZINC MINES CO
SOUTH 2325 LINCOLN STREET

SPOKANE 9, WASHINGTON

Name and address of applicant

Date December 7, 1950
May 20, 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) Necessity 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) 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? zinc, lead, silver and gold
   (*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. Approximately 5000 feet of tunnels and
   (*b*) Linear feet of drifts and crosscuts. shafts
   (*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. Property adjoins Leonia, Idaho
   (*b*) Mining district. Moyie River
   (*c*) Township, Section, Range. Townships 60 and 61 North, Ranges 2 & 3 B.M.
   (*d*) County, State. Boundary County, Idaho
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: Property consists of unpatented mining claims
   - ☒ Owner.
   - ☐ Lessee.
   - ☐ Contractor.

   not producing. Placer gold production prior to 1941.
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: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
R.H.Russell	President	none		217,409			
William B. Russell	Secretary	none		7,990			
B.Aubrey Smith	Vice-Pres.	none		5000			
NOTE:							
Balance of outstanding stock owned by about 175 small stockholders.							
	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	$1,000,000	$ 380,537	$ 1.00		none
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.)	Property is in exploration stage. No				
2. Quantity of product processed (specify unit of measure and type of process)	production except from placer deposits				
3. Quantity and grade of product sold or shipped (specify units of measure)	years ago. Amount unknown.				

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.

See attached mining engineer's report

(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) Property is in exploratory stage.					
Indicated (probable)					

(c) If placer: Probable placer gold gravel deposits have been estimated by various mining engineers & geologists at 300,000,000 yards.

(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: Property adjoins Leonia on main line of Great Northern Railway

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

14. Water Supply: Abundant water supply for all mining, milling & power purposes

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

15. Power: Excellent hydro-electric power site on property capable of generating 1000 KW when developed.

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

16. Labor: none

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

17. Equipment and Facilities: A few old buildings and 5 foot Pelton water wheel and governor capable of generating 700 H.P.

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.

Idamont Lead-Zinc Mines Co
(Name of company)

By R A Russell
(Signature of authorized official)

May 20, 1951
(Date)

President
(Title)

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

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

C
O
P
Y

South 2323 Lincoln street
Spokane, Washington
May 29, 1951

Defense Minerals Administration
South 157 Howard Street
Spokane, Washington

Gentlemen:

With reference to the attached application for a mining loan, here is a proposed exploration program which could be completed within two years.

DESCRIPTION		ESTIMATED COST
1.	Rehabilitate the 113 foot winze in the No. 3 tunnel	$1,000.00
2.	Sink winze 300 feet deeper at $100 per foot	30,000.00
3.	Drive 200 feet of drift at bottom of winze at $30 per foot	6,000.00
4.	Purchase following equipment and machinery:	
	Portable Diesel powered compressor unit capable of developing 210 CFM	8,000.00
	Machine drills, rock bits, air pipe, etc	3,500.00
	Electric powered mine hoist complete	12,500.00
	Diesel-electric generator set 75KW	10,000.00
	Mine cars, track, hand tools, etc	3,500.00
	Electric mine pump and pipe	1,000.00
5.	Rehabilitate and equip buildings for housing employes	3,500.00
6.	Supervision and engineering	10,000.00
7.	Reserve for contingencies	11,000.00
	Total	$100,000.00

Boulder Creek empties into the Kootenai River about ½ mile downstream from Leonia. About 1½ miles upstream from the mouth of Boulder Creek, a steep sided rock canyon proves an excellent dam-site for the generation of hydroelectric power. The creek drops more than 200 vertical feet as it passes over a series of water falls below the dam-site. The Water Resources Branch of the U.S. Geological Survey (Boise), maintain a meter on Boulder Creek to record the daily, run-off, and their statistics for 16 years prior to September 30, 1948, are as follows:

Total area drained is 53 square miles
Average annual run-off in acre feet 79,110
Average daily run-off in second feet 110

The properties of the company are covered by an abstract of title compiled by the Boundary Abstract Co of Bonners Ferry. Title is good and clear of encumbrance.

Very truly yours,

President
Idamont Lead-Zinc Mines Co

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-1686X

Date received 6/13/51

Participation

IDAMONT LEAD-ZINC MINES CO
SOUTH 2323 Lincoln street

SPOKANE 9, WASHINGTON

Name and address of applicant

Date December 7, 1950
May 20, 1951

FILL IN THIS BLOCK

Date of application December 7, 1950

Estimated cost ~~To be determined by DMA~~ $100,000

Mineral or metal zinc-lead

Percentage of Government participation

Location of mine Leonia, Boundary County, Idaho

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

JUN 18 1951

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.

Idamont Lead-Zinc Mines Co
(Name of company)

By R A Russell
(Signature of authorized official)

May 20, 1951
(Date)

President
(Title)

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

*Same as footnote on page 1.

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

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-1686X

Date received 6/13/51

Participation

IDAHOMT LEAD-ZINC MINES CO
SOUTH 2323 Lincoln street

SPOKANE 9, WASHINGTON

Name and address of applicant

Date December 7, 1950
May 20, 1951

FILL IN THIS BLOCK

Date of application December 7, 1950

Estimated cost To be determined by DMA

Mineral or metal zinc-lead

Percentage of Government participation

Location of mine Leonia, Boundary County, Idaho

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

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

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

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

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

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

THE EXPLORATION

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

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

THE REQUIREMENTS AND COSTS

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

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.

Idaho Lead-Zinc Mines Co (Company) By R. A. Russell (Signature of authorized official)

May 20, 1951 (Date) President (Title)

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

*Same as footnote on page 1.

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

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-1686X

Date received 6/13/51

IDAMONT LEAD-ZINC MINES CO
SOUTH 2323 LINCOLN STREET

SPOKANE 9, WASHINGTON

Name and address of applicant

Date December 7, 1950
May 20, 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) Necessity 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) 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? zinc, lead, silver and gold
   (*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. Approximately 3000 feet of tunnels and shafts
   (*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. Property adjoins Leonia, Idaho
   (*b*) Mining district. Moyie-Yaak
   (*c*) Township, Section, Range. Townships 60 and 61 North, Ranges 2 & 3 E.B.M.
   (*d*) County, State. Boundary County, Idaho
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. Property consists of unpatented mining claims
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production not producing. Placer gold production prior to 1941.
   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: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
E.E.Russell	President	none		217,400			
William D. Russell	Secretary	none		7,990			
S.Aubrey Smith	Vice-Pres.	none		5000			
NOTE:							
Balance of outstanding stock owned by about 175 small stockholders.							
	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	$1,000,000	$ 330,557	$ 1.00		none
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.)	Property is in exploration stage. No				
2. Quantity of product processed (specify unit of measure and type of process)	production except from placer deposits				
3. Quantity and grade of product sold or shipped (specify units of measure)	years ago. Amount unknown.				

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. See attached mining engineer's report

(*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) Property is in exploratory stage.					
Indicated (probable)					

(*c*) If placer: Probable placer gold gravel deposits have been estimated by various mining engineers & geologists at 300,000,000 yards.

(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: Property adjoins Leonia on main line of Great Northern Railway

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

14. Water Supply: Abundant water supply for all mining, milling & power purposes

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

15. Power: Excellent hydro-electric power site on property capable of generating 1000 HP when developed.

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

16. Labor: none

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

17. Equipment and Facilities: A few old buildings and 5 foot Pelton water wheel and governor capable of generating 700 H.P.

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.

Idamont Lead-Zinc Mines Co
(Name of company)

By R V Russell
(Signature of authorized official)

May 20, 1951
(Date)

President
(Title)

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

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-1686X

Date received 6/13/51

IDAMONT LEAD-ZINC MINES CO
SOUTH 2323 LINCOLN STREET

SPOKANE 9, WASHINGTON

Name and address of applicant

Date ~~May 20, 1951~~ December 7, 1950

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) Necessity 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) 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? zinc, lead, silver and gold
   (*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. Approximately 5000 feet of tunnels and shafts
   (*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. Property adjoins Leonia, Idaho
   (*b*) Mining district. Moyie-Yaak
   (*c*) Township, Section, Range. Townships 60 and 61 North, Ranges 2 & 3 E.B.M.
   (*d*) County, State. Boundary County, Idaho
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. Property consists of unpatented mining claims
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production not producing. Placer gold production prior to 1941.

   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: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
R.H.Russell	President	none		217,409			
William B. Russell	Secretary	none		7,990			
B.Aubrey Smith	Vice-Pres.	none		5000			
NOTE:							
Balance of outstanding stock owned by about 175 small stockholders.							
	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	$1,000,000	$ 380,537	$ 1.00		none
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.)	Property is in exploration stage. No				
2. Quantity of product processed (specify unit of measure and type of process)	production except from placer deposits				
3. Quantity and grade of product sold or shipped (specify units of measure)	years ago. Amount unknown.				

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. See attached mining engineer's report

(*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) Property is in exploratory stage.					
Indicated (probable)					

(*c*) If placer: Probable placer gold gravel deposits have been estimated by various mining engineers & geologists at 300,000,000 yards.

(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: Property adjoins Loonia on main line of Great Northern Railway

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

14. Water Supply: Abundant water supply for all mining, milling & power purposes

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

15. Power: Excellent hydro-electric power site on property capable of generating 1000 HP when developed.

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

16. Labor: none

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

17. Equipment and Facilities: A few old buildings and 6 foot Pelton water wheel and governor capable of generating 700 H.P.

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.

Idamont Lead-Zinc Mines Co
(Name of company)

By R V Russell
(Signature of authorized official)

May 20, 1951
(Date)

President
(Title)

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

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-1686X

Date received 6/13/51

IDAHOLT LEAD-ZINC MINES CO
SOUTH 2323 LINCOLN STREET

SPOKANE 9, WASHINGTON

Name and address of applicant

December 7, 1950

Date May 20, 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) Necessity 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) 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? zinc, lead, silver and gold
   (*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. Approximately 3000 feet of tunnels and 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. Property adjoins Leonia, Idaho
   (*b*) Mining district. Moyie-Yaak
   (*c*) Township, Section, Range. Townships 60 and 61 North, Ranges 2 & 3 B.B.M.
   (*d*) County, State. Boundary County, Idaho
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. Property consists of unpatented mining claims
   ☐ Lessee.
   ☐ Contractor.
5. Number of years in production not producing. Placer gold production prior to 1941.

   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: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
R.H.Russell	President	none		217,409			
William B. Russell	Secretary	none		7,990			
B.Aubrey Smith	Vice-Pres.	none		5000			
NOTE:							
Balance of outstanding stock owned by about 175 small stockholders.							
	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	$1,000,000	$ 380,537	$ 1.00		none
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.)	Property is in exploration stage. No				
2. Quantity of product processed (specify unit of measure and type of process)	production except from placer deposits				
3. Quantity and grade of product sold or shipped (specify units of measure)	years ago. Amount unknown.				

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. See attached mining engineer's report

(*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) Property is in exploratory stage.					
Indicated (probable)					

(*c*) If placer: Probable placer gold gravel deposits have been estimated by various mining engineers & geologists at 300,000,000 yards.

(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: Property adjoins Leonia on main line of Great Northern Railway

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

14. Water Supply: Abundant water supply for all mining, milling & power purposes

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

15. Power: Excellent hydro-electric power site on property capable of generating 1000 KW when developed.

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

16. Labor: none

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

17. Equipment and Facilities: A few old buildings and 5 foot Pelton water wheel and governor capable of generating 700 H.P.

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.

Idamont Lead-Zinc Mines Co
(Name of company)

By R H Russell
(Signature of authorized official)

May 20, 1951
(Date)

President
(Title)

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

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

Dma - 1686 X

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

So. 157 Howard Street
Spokane 8, Washington

June 6, 1951

Mr. Landon F. Strobel
Executive Secretary
Defense Minerals Administration
Department of Interior
Washington 25, D. C.

Dear Mr. Strobel:

Enclosed herewith is an application for an exploration loan submitted by the Idamont Lead-Zinc Mines Company on a property in Boundary County, Idaho. This application was submitted to this office prior to the May 31 deadline, but was held up in this office because of the lack of information.

The application is still not as complete as it might be, but is being forwarded as is.

Yours very truly,

Thor H. Kiilsgaard

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

Enclosures

cc: U.S.B.M.

South 2323 Lincoln street
Spokane, Washington
May 29, 1951

Defense Minerals Administration
South 157 Howard Street
Spokane, Washington

Gentlemen:

With reference to the attached application for a mining loan, here is a proposed exploration program which could be completed within two years.

DESCRIPTION	ESTIMATED COST
1. Rehabilitate the 113 foot winze in the No. 3 tunnel	$1,000.00
2. Sink winze 300 feet deeper at $100 per foot	30,000.00
3. Drive 200 feet of drift at bottom of winze at $30 per foot	6,000.00
4. Purchase following equipment and machinery:	
Portable Diesel powered compressor unit capable of developing 210 CFM	8,000.00
Machine drills, rock bits, air pipe, etc	3,500.00
Electric powered mine hoist complete	12,500.00
Diesel-electric generator set 75KW	10,000.00
Mine cars, track, hand tools, etc	3,500.00
Electric mine pump and pipe	1,000.00
5. Rehabilitate and equip buildings for housing employes	3,500.00
6. Supervision and engineering	10,000.00
7. Reserve for contingencies	11,000.00
Total	$100,000.00

Boulder Creek empties into the Kootenai River about ½ mile downstream from Leonia. About 1½ miles upstream from the mouth of Boulder Creek, a steep sided rock canyon proves an excellent dam-site for the generation of hydroelectric power. The creek drops more than 200 vertical feet as it passes over a series of water falls below the dam-site. The Water Resources Branch of the U.S.Geological Survey (Boise), maintain a meter on Boulder Creek to record the daily, run-off, and their statistics for 16 years prior to September 30, 1948, are as follows:

Total area drained is 53 square miles
Average annual run-off in acre feet 79,110
Average daily run-off in second feet 110

The properties of the company are covered by an abstract of title compiled by the Boundary Abstract Co of Bonners Ferry. Title is good and clear of encumbrance.

Very truly yours,

R H Russell

President
Idamont Lead-Zinc Mines Co

O
P
Y

South 2323 Lincoln street
Spokane, Washington
May 29, 1951

Defense Minerals Administration
South 157 Howard Street
Spokane, Washington

Gentlemen:

With reference to the attached application for a mining loan, here is a proposed exploration program which could be completed within two years.

DESCRIPTION		ESTIMATED COST
1.	Rehabilitate the 113 foot winze in the No. 3 tunnel	$1,000.00
2.	Sink winze 300 feet deeper at $100 per foot	30,000.00
3.	Drive 200 feet of drift at bottom of winze at $30 per foot	6,000.00
4.	Purchase following equipment and machinery:	
	Portable Diesel powered compressor unit capable of developing 210 CFM	8,000.00
	Machine drills, rock bits, air pipe, etc	3,500.00
	Electric powered mine hoist complete	12,500.00
	Diesel-electric generator set 75KW	10,000.00
	Mine cars, track, hand tools, etc	3,500.00
	Electric mine pump and pipe	1,000.00
5.	Rehabilitate and equip buildings for housing employes	3,500.00
6.	Supervision and engineering	10,000.00
7.	Reserve for contingencies	11,000.00
	Total	$100,000.00

Boulder Creek empties into the Kootenai River about ½ mile downstream from Leonia. About 1½ miles upstream from the mouth of Boulder Creek, a steep sided rock canyon proves an excellent dam-site for the generation of hydroelectric power. The creek drops more than 800 vertical feet as it passes over a series of water falls below the dam-site. The Water Resources Branch of the U.S. Geological Survey (Boise), maintain a meter on Boulder Creek to record the daily, run-off, and their statistics for 16 years prior to September 30, 1948, are as follows:

Total area drained is 53 square miles
Average annual run-off in acre feet 79,110
Average daily run-off in second feet 110

The properties of the company are covered by an abstract of title compiled by the Boundary Abstract Co of Bonners Ferry. Title is good and clear of encumbrance.

Very truly yours,

President
Idamont Lead-Zinc Mines Co

C
O
P
Y

South 2323 Lincoln street
Spokane, Washington
May 29, 1951

Defense Minerals Administration
South 157 Howard Street
Spokane, Washington

Gentlemen:

With reference to the attached application for a mining loan, here is a proposed exploration program which could be completed within two years.

DESCRIPTION		ESTIMATED COST
1.	Rehabilitate the 113 foot winze in the No. 3 tunnel	$1,000.00
2.	Sink winze 300 feet deeper at $100 per foot	30,000.00
3.	Drive 200 feet of drift at bottom of winze at $30 per foot	6,000.00
4.	Purchase following equipment and machinery:	
	Portable Diesel powered compressor unit capable of developing 210 CFM	8,000.00
	Machine drills, rock bits, air pipe, etc	3,500.00
	Electric powered mine hoist complete	12,500.00
	Diesel-electric generator set 75KW	10,000.00
	Mine cars, track, hand tools, etc	3,500.00
	Electric mine pump and pipe	1,000.00
5.	Rehabilitate and equip buildings for housing employes	3,500.00
6.	Supervision and engineering	10,000.00
7.	Reserve for contingencies	11,000.00
	Total	$100,000.00

Boulder Creek empties into the Kootenai River about ½ mile downstream from Leonia. About 1½ miles upstream from the mouth of Boulder Creek, a steep sided rock canyon proves an excellent dam-site for the generation of hydroelectric power. The creek drops more than 200 vertical feet as it passes over a series of water falls below the dam-site. The Water Resources Branch of the U.S. Geological Survey (Boise), maintain a meter on Boulder Creek to record the daily, run-off, and their statistics for 16 years prior to September 30, 1948, are as follows:

Total area drained is 53 square miles
Average annual run-off in acre feet 79,110
Average daily run-off in second feet 110

The properties of the company are covered by an abstract of title compiled by the Boundary Abstract Co of Bonners Ferry. Title is good and clear of encumbrance.

Very truly yours,

President
Idamont Lead-Zinc Mines Co

REPORT ON THE PROPERTIES OF THE IDAMONT LEAD-ZINC MINES CO
BY DENNIS P. WOODS, E.M.

LOCATION

These properties are located in Townships 60 and 61 N., Ranges 2 and 3 E.B.M., Boundary County, Idaho, and are almost immediately adjacent to the State line between Idaho and Montana, and extend from Leonia, a station on the main line of the Great Northern Railway, in unbroken control of Boulder Creek upstream for a distance of about 7 miles.

PROPERTIES

The property is made up of placer group associations and lode mining claims comprising several thousand acres. None of the claims are patented, title being held by the performance of assessment work under the laws of the State of Idaho and the United States.

DEVELOPMENT

Under the Idamont management and its predecessors, over 3000 feet of tunnels have been driven on at least 7 different veins which cross Boulder Creek more or less at right angles to the course of the stream. All of these tunnels show strong mineralization, the minerals sought being silver, lead, zinc. No. 4 tunnel cuts 2 veins both showing strong promise of becoming commercially ore bearing, and the No. 3 follows a shoot of ore for over 500 feet, in a practically unbroken ore stream. On this shoot, in tunnel No.3, and in connection therewith, it is expected that the first development work will be done. Later the veins shown up by tunnel No. 4 will be further explored as it is believed that perhaps this tunnel, and the veins in connection therewith, may prove to be the main ore producer of the property. Tunnels No. 1, 2 and 5 are all very promising.

GEOLOGY

The rock formations in evidence on this property are the altered or metamorphosed sedimentaries which extend from the great mining districts of British Columbia southerly through northern Idaho and western Montana, southward to the Coeur d'Alene mining district, embracing in their course the Sullivan mine in British Columbia, the Idaho Continental on the divide west of Porthill, Idaho, the Morning Glory and Reigal mines north of the Kootenai River and within 10 miles of the Idamont, the mines in the vicinity of Troy, Montana, including the Snowstorm, Big 8, Big 4, Montana Morning, and the Grouse Mountain properties, all within 20 miles of the Idamont. The Whitedelph and Hope mines near Clarks Fork, Idaho, the various mining properties on the east shoe of Pend Oreille lake extending from Clarks Fork southerly to Lakeview, Idaho, thence over the hill south to the mines of the north fork of the Coeur d'Alene and finally to the south fork of the Coeur d' Alene, and its tributaries, on which are very large producers of the Coeur d'Alene mining district. At the north end of this chain is the Sullivan mine, the largest lead-zinc mine in the world, and at the south end, in the Coeur d'Alenes, are such large producers as the Bunker Hill & Sullivan, the Morning mine, the Hecla mine, all now producing, and many large producers of by-gone years which have made the Coeur d'Alenes one of the outstanding mining districts of this Continent and which have produced almost one-third of the lead and zinc that has been produced in the United States. The metamorphosed sedimentaries outcropping on the Idamont property corralate with the most favored formations in the Coeur d'Alenes, that is the St. Regis, Revett, and Burke, associated with the metamorphosed sedimentaries are basic sills. Several of the veins on the property are on the contacts between the sills and the quartzites, and in one or two instances, the veins cut through the dikes, hence the property discloses 3 types of veins, any one of them being of a type well designed to produce ore in large quantities and extending to great depth.

PLACER DEPOSITS

The Boulder Creek gravels have been known to be gold-bearing since the 1860's. Old workings prove this. Men were employed in placer mining when the predecessor of this company secured possession. Values obtained by hand workings were satisfactory, and the hope og great wealth rested in the values in this huge deposit containing by estimate 300,000,000 cubic yards of gravel. To sample this deposit systematically could be done only with suitable equipment and large outlay of capital. This, the parent company prepared to do. Unfortunately, circumstances prevented consummation of the plan. The present company will proceed with mining this deposit as soon as possible. It is apparently the greatest asset of the property.

SURFACE FACILITIES

On the property are about 20 miles of road which has been built by the company and its predecessor, and about 6 miles of canal constructed for hydraulic placer mining and power purposes. This canal is connected with a power house on Boulder Creek with 22 inch and 12 inch steel pipe. The canal when reconditioned will have a capacity of 200 cubic feet of water per second, and there is available 400 feet of static head. The power developed by the Pelton water wheel will run 700 H.P. or enough for all development power needed on the property, and a surplus sufficient to operate a mill.
About one mile upstream on Boulder Creek from a point where it empties into the Kootenai River, a steep-sided rock canyon provides an excellent power site. This site when developed will generate 1000 KW or more of electric power.

PLANS FOR IMMEDIATE DEVELOPMENT

The first work proposed is to continue sinking the shaft from the No.3 tunnel. This shaft is now down 113 feet, shows good ore throughout most of the distance, and is in good ore at the bottom. It is proposed to continue the shaft to a depth of at least 200 feet plus sump space, and then drive from the foot of the shaft parallel and under the tunnel above, , then towards a point under the portal of the tunnel where an uptaise will be driven to the surface. It is anticipated that the drift, some 500 feet in length, will be in ore of commercial grade and width. Very high assays have been obtained in the tunnel and particularly in the shaft, the assays ranging to $112 per ton. The ore is in a quartz gangue and will readily submit to milling with a good clean recovery. If present hopes are justified, the Idamont property through development in tunnel No. 3, can become a shipping mine with 12 months or less. Assuming that the development is No.3 is favorable, next in order will be the veins in tunnel No. 4, then tunnel No. 5. If the work outlined is succesful, Idamont will become one of the real large mining properties of northern Idaho.

CONCLUSION

The climate is such as to permit mining throughout the year. The Great Northern Railway main line runs through one end of the property. Federal Highway No.2 is about 2 miles from the property. There is plenty of timber for mining purposes, an abundance of water for power, and water from side streams for domestic purposes. The camp site is ideal. The property is so large that one will have no close neighbors and will have many years of uninterrupted mine development and operation without fear of litigation.

All in all, it offers an excellent mining chance.

April 26, 1944 Dennis P. Woods, E.M.

South 2323 Lincoln street
Spokane, Washington
May 20, 1951

Mr. A. E. Weissenborn
Defense Minerals Administration
South 157 Howard Street
Spokane, Washington

Dear Mr. Weissenborn:

This is with further reference to our letter of December 7, 1950, making application for a mining loan. The amount of the loan required to be determined by you after your examinations of the properties have been completed. Perhaps a production-development loan upward to $100,000.00 would be necessary.

The completed application forms are attached, together with a copy of a complete report by Rowland King, E.M., a copy of a report by Dennis P. Woods, E.M., and a map of the mining properties of this company.

Idamont Lead-Zinc Mines Co. was organized in 1928 as an Idaho mining corporation, and represents a reorganization of a former company by the same stockholders (Idaho Gold & Ruby Mining Co), which was incorporated in 1905. The company holds several thousand acres of mineral lands, upon which a system of good roads have been constructed, and thus far represents an investment of around $2,000,000. There are several hundred small stockholders saattered throughout the United States, and the funds for exploration were raised by levying assessments on the outstanding shares from time to time. Prior to 1928, the emphasis of the program was to develop the extensive placer deposits.

The purpose of this loan would be to place the company's No. 3 workings in production and continue its development. Tunnel No. 3 was driven on a vein lying on the contact between a basic sill and sericitic quartzite. At a point 505 feet from the portal, a winze was sunk on the vein for 113 feet. At depth was attained the ore widened to 16 inches at the bottom of the winze, all of which is high grade. This ore could be shipped direct by truck to the smelter at Kellogg, Idaho, crude, and without milling. Samples taken at various places as the winze was being sunk assayed upward to $112 per ton. At present prices for lead and zinc, the value per ton would be far higher. By pumping out the winze, and installing suitable machinery and equipment, small production could be started in a very short time. A sample of the lead-zinc ore from the winze is attached. The machinery and equipment necessary would be as follows:

> One Diesel-electric generator set of sufficient capacity to provide power to operate a mine hoist to be installed in the winze, drive an air compressor, furnish power for electric mine pumps, and electric lights. Also, air driven rock drills, mine cars, etc.

The company does not own any mining machinery at this time. The old equipment was obsolete, and consequently was sold several years ago. There is a commercial sawmill operation on the property which produces about 20,000 feet of lumber daily, and is owned by Inland Sawmills, Inc., of Spokane.

The indebtedness of the company is small, namely $3000 in unsecured promissory notes due several stockholders, none of whom are officers or directors of the company.

Through the years, these properties have been examined and re[illegible] by numerous mining engineers and geologists.

Should this loan be granted, a competent mine operator will be employed to manage the operation, and one who would be acceptable to the government.

For reference purposes as to R.H.Russell:

Leon Starmont, c/o the Spokesman-Review, Spokane

O.M.Green, Manager, RFC, Columbia Building, Spokane

Herald Bolin, Manager, FHA, Review Building, Spokane.

R.H.Russell has had considerable experience in the promotion, exploration, and development of various mining projects. At present he is a Realtor, a member of the Spokane Realty Board, and with his son William B. Russell operates General Realty Co.

Any additional information that you may desire will be promptly furnished.

Your kind consideration will be appreciated.

Very truly yours,

R.H.Russell

R.H.Russell
President
Idamont Lead-Zinc Mines Co

The following is quoted from a letter written by Rowland King, E.M., dated August 17, 1929, to the management of the Idamont Lead-Zinc Mines Co.

" I visited the mine on August 15th., 1929. At that time the underground shaft had been completed to a point 113 feet below the No. 3 tunnel level. Drifting has started parallel with the vein in both directions from the shaft. This is in accord with recommendation incorporated in my original report made in May 1928. This shaft was started down on the vein and followed it closely for about 60 feet at which point the footwall straightened up, and because it was considered advisable to keep the shaft true, the last 53 feet has been away from the footwall, but the shaft at no point cut through the hanging wall, which means that it has been sunk entirely within the vein. At the time of the last inspection, there was a good quartz vein in the face of both drifts. The quartz is very well mineralized with lead, zinc and iron sulphides, and is all of milling grade with some shipping ore. The rock on the footwall side of this quartz vein resembles the true footwall, but I would recommend that a short crosscut be run toward the footwall to definitely determine its true position before any extensive drifting is done. Without doubt the exploration work accomplished during the past year has greater value than any done heretofore. You are now 100 feet deeper on the vein than at any other point on the property. Drifting on the vein should proceed rapidly. The work has reached a point now where you should begin to get some definite information about the vein and its contents. The appearance of the vein at the shaft bottom is quite satisfactory to me, and I am still of the opinion that you have a good chance to make a paying mine out of this project."

NOTE: A sample of the high grade ore taken at the bottom of the 113 foot winze assayed as follows:

GOLD	SILVER	LEAD & ZINC
.48 oz	18.20 ozs	37.6 %

The drifts on the vein from the 100 foot level of the winze show the vein to be from 5 to 9 feet wide, all of which is good milling ore, including high grade ore which could be sorted and shipped direct to the smelter.

REPORT ON THE PROPERTIES OF THE IDAMONT LEAD-ZINC MINES CO.
BY ROWLAND KING, E.M.

LOCATION:

The mining properties of the Idamont Lead-Zinc Mines Co. are situated in townships 60 and 61 North, Ranges two and three east of the Boise Meridian, Boundary County, Idaho. The town of Bonners Ferry, Idaho, is located 11 miles northwest of the camp, and Leonia, Idaho, is two miles east: both distances being reckoned in an airline. Both towns are on the main line of the Great Northern railroad. The Spokane International Railway, a branch of the Canadian Pacific, passes through Bonners Ferry. Boulder Creek passes through the company holdings and empties into the Kootenai River near Leonia. The claims lie within the Kaniksu National Forest Reserve.

TOPOGRAPHY

The area under consideration lies in an old lake bed, probably formed by the melting of an alpine glacier. The hills are rounded and covered with a thick layer of soil in most cases and slopes are gradual. Part of the Cabinet Range occupies this section, Clifty Mountain rises to an elevation of 6700 feet above sea level; at the main Idamont camp the elevation is 2600 feet and at Leonia it is 1825 feet. The climate is moderate with from one to three feet of snow in the winter, and warm, dry summers. The roads are open all year. Good timber for both domestic and mining purposes is plentiful on the claims. Water for all purposes is in abundance.

TRANSPORTATION

An excellent automobile road with a very moderate grade connects the main workings with Leonia. An automobile is able to go the entire distance in high gear. With the main line of the Great Northern at Leonia, the problem of getting machinery and supplies to the camp and ore or concentrates to the smelters, is a comparatively simple one.

CLAIMS

The Idamont Lead-Zinc Mines Co. holds 58 quartz claims and 15 placer claim groups by location and annual assessment work. The proof of labor for the year ending June 30, 1932 was filed in June, 1931. Map No. 2 shows in detail the position and size of the claims, the larger ones being placer associations and the smaller ones quartz claims, It will be noted that from the Yellow Queen claim on the west to Leonia on the east, all of the ground is contiguous, the distance in an air line is slightly over seven miles.

GEOLOGY

The area surrounding these claims is bounded on the east by the Moyie (Lenia) Fault, which is a major fracture extending for many miles both north and south of Leonia. The overlying rocks west of the fault are essentially Pre-Cambrian sediments with numerous intrusions of basis sills, or dikes. The sedimentary rocks are classified as the Aldrich-Prichard formation and they are made up of pure quartzites, argillaceous quartzites and argillites. The basic sills are termed Moyie sills and correspond with the Purcell sills in British Columbia. It appears that these sills were originally intruded as flat lying bodies on and between the horizontal sedimentary beds and that the subsequent lifting of the area caused by the intrusion of the granitic rocks from beneath forced the sills into varying positions approaching the vertical. Within the boundaries of the Idamont ground six sills have been identified, they all strike west of north and dip to the northeast. To the west of the Idamont holdings the Nelson batholith is exposed, this is a part of a very large intrusion that extends for a considerable distance into British Columbia; the rock is esentially a porphyritic granodiorite

and without doubt the basic sills were derived from basic emanations of this same body. The probable relative ages of the three distinct formations is as follows: first and oldest, the sedimentary rocks, second, the intruded basic sills and third the intrusion of the granite batholith. It is believed that the sericitic quartzite, which is found at various places on the property, corresponds closely with the Revett quartzite in which the large deposits of commercial ore are found in the Coeur d' Alene district.

MINERAL ZONE

The study of the map showing the location of the principal mineral districts of southern British Columbia, northern Idaho and western Montana, clearly indicates the existence of a definite mineralized zone that has been explored and developed intensively at both the northern and southern ends and to a lesser degree near the center. The Sullivan Mine, property of the Consolidated Mining & Smelting Co of Canada, is situated at Kimberly, B.C. This is the largest individual lead-zinc mine in the world, and is milling 6000 tons of ore daily. The following quotation is taken from the 1931 edition of The Mines Handbook: "The ore deposits (of the Sullivan) occur in a argillaceous quartzite and argillite of the Aldrich formation, which are intruded by gabbro (basic) sills ****". Deposits are vein-like, conformable in general to the bedding, and essentially replacement deposits in the argillaceous quartzite." Up to the bagginning of 1931 this mine had produced approximately 11,000,000 tons of ore. The average assay of which was: Lead 10%; Zinc 4.5%; Silver 3.0 ounces, per ton.

South of the Sullivan Mine, just across the International border into Idaho, is situated the property of the Idaho Continental Company. In recent years this has been operated by the Bunker Hill & Sullivan M. & C. Co. The records show a total of 500,000 tons of ore having an average assay of 10% Lead and 4.0 ounces of Silver per ton. Southeast of the Idaho Continental mine is the district around Leonia, in which the claims of the Idamont Lead-Zinc Mines Co are situated. Southwest of the Idamont holdings some 25 miles is the mineral area on the east bank of Pmad Oreille Lake, in which there are several properties of considerable value. Ten miles southeast of this district is the Clark Fork mineral area, in which there are several producing mines. During the past few years the Whitedelph M. &. D. Co., at Clark Fork, has produced over 5,353,000 pounds of Lead and 305,000 ounces of Silver. A 100 ton concentrating mill is being operated to capacity at this time. The Hope Mining Co., which is a short distance from the Whitedelph, recently started a new 150 ton concentrating mill. The ore is practically the same as that in the Whitedelph. Both of these properties as is the Idaho Continental, are in the quartzites.

The principal mines of the Coeur d'Alene district are just 80 miles south and slightly east of the Idamont ground. This district, with its more than $140,000,000 dividend record needs no comment. Some 18 miles southeast of the Idamont the properties of the Snow Storm Lead Co. are situated. This company, in recent years, has produced in excess of $1,500,000 worth of silver-lead-zinc ore.

The purpose of the foregoing is to point out the mineralized zone that starts some 75 miles north of the Idamont and extends to a point some 80 miles to the south. This much of it is known at present, that it does extend further north is very probable.

MINERAL DEPOSITS

There are 3 distinct types of mineral deposits on these claims; first the vein on the contact of a basic sill with the altered quartzite. This type is shown on Map No. 3 in tunnel No. 3; second a shear zone deposit in the altered quartzite, and third a vein cross-cutting a basic sill. The two latter types are found in tunnel No. 4 which is a short distance across Boulder Creek from tunnel No. 3. The vein filling in every case is made up largely of quartz and the minerals found are galena (lead Sulphide), Sphalerite (zinc sulphide), pyrite, and

pyrrhotite (iron sulphides). With lead and zinc there is associated a certain amount of silver and gold. The veins vary in width from a few inches to as much as 10 feet and are characterized by pinches and sweel Map No. 1 shows the location of the principal properties and prospects in the vicinity of the Idamont holdings; in every case the mineralization is closely related to one of the basic sills. The Snow Storm Silver Lead Company's mine, mentioned above, has a vein some 1600 feet in length that has been mined to 1200 feet in depth. An official of this company informed me that the vein is just as strong on the lower as on the upper levels; it averages between 3 and 4 feet wide, pinches in places to a seam and in other places opens up to 10 feet in width. The average of the ore that has been mined and milled showed from 5 to 8% lead, an equal amount of Zinc, and one-half an ounce of Silver to 1% of Lead. The gold value, while low, has been consistent. This vein has a dike, or sill, for one wall and quartzite for the other, a condition identical with the vein in the No.3 tunnel on the Idamont. The best ore was invariably found next to the dike. This condition is the same as that found in the No.3 tunnel.

DEVELOPMENT WORK

For the past 3 years the development work has been largely confined to tunnels No. 3 and No. 4. Prior to this, No. 1 tunnel has been driven some 600 feet, and No. 2 tunnel for an undetermined distance, it being filled with water and inaccessible. Prior to 1931 No. 4 tunnel had been driven a total of 766 feet. For 310 feet from the portal the tunnel followed a vein in the quartzites, which passed through the left wall and the tunnel continued away from it. Two basic sills were cut and passed through, at the face of the tunnel a wide quartz vein was encountered, this was drifted on to the northwest for 116 feet and to the southeast for 45 feet. Occassional bunches of excellent galena ore were encountered, but the work so far done has failed to disclose any ore bodies. Tunnel No. 3 (see map No. 3), which is directly across the Boulder Creek from tunnel No. 4, has been driven a total distance of 972 feet from the portal. At 629 feet in gravel was encountered and the tunnel continued for 343 feet in this formation. A vein, lying on the contact between a basic sill and a sericitic quartzite was followed to the gravel, at which point the vein was lost. This vein, while narrow at this elevation, widens considerably in the lower levels. That it contains commercial values in silver, lead and zinc is evidenced by a number of samples taken at various places; the values varied from $6.72 to $112.00 per ton and the widths from 4 inches to 13 inches of ore. At a point 505 feet from the portal of No. 3 tunnel a winze, (undergound shaft) has been sunk on the vein for 113 feet from the tunnel level. At 105 feet down drifts have been driven on the vein to the north and south and a cross cut through the basic sill to the east. The face of the north drift is 35 feet from the winze; the face of the south drift is 122 feet from the winze and the cross cut, which is still in the basic sill, is 90 feet from the winze.

There has been considerable movement in this vein since the mineral was deposited and as a consequence the vein filling is badly shattered. At numerous places in the winze and in the drifts at the bottom bunches of high grade ore have been found. Due to the serious crushing and shearing that has taken place any considerable amount of ore that may have been deposited has been broken and distributed throughout the vein and largely leached. The distance between the walls at the 105 foot level is from 5 to 9 feet, and from present indications in the south drift the worst of the faulting action has been passed through. In the 8 foot sump below this level an excellent showing of silver-lead-zinc ore occurs. Sinking was stopped at this point because the present compressor unit is not large enough to take care of the pumps necessary to handle the water and the drills.

POWER

Early operators constructed more than 5 miles of ditch, which is shown on Map No. 2. This work is now invaluable as it is the source of all power that you are likely to need. The Idamont company has the

water rights on Boulder Creek with its tributaries, East, West, and Middle Forks, and claiming 200 second feet. At present the power required for operating the compressor is generated through a 5 foot Pelton water wheel at the end of a 1300 foot pipe line which taps the upper ditch on the Maple Leaf placer claim. The total static head on the wheel is 400 feet, the pipe at the upper end is 22 inches in diameter and at the lower end it is 12 inches. With this equipment it is possible to develop more than 700 horsepower at the wheel. If at some later date a concentrating mill is erected, the installation of an electric generator would be comparatively simple, after which the power could be transmitted to any desired point.

PLACER DEPOSITS

Bulletin No. 10, issued by the Idaho Bureau of Mines & Geology, entitled "Geology and Ore Deposits of Boundary County, Idaho", has the following to saw under "Placer Deposits, Gold."

"The largest probable gold-bearing deposit of the county is on Boulder Creek beginning at a point a little over a mile above its outlet into the Kootenai River. Here the gravel beds are 400 feet deep in places and from 500 feet to 1000 feet wide. The yardage of gravel is enormous, running well into the millions. No systematic sampling has been attempted to learn the distribution of the gold throughout the gravel, but such sampling is proposed as a method of future procedure. Much of the gravel was laid down under water. It was probably brought down by ice and water during the torrential periods following the recession of the glacial period. Possibly the outlet of the stream was dammed by an ice flow following the course of the Kootenai, so that side pressure filled the mouth of Boulder Creek a distance back from its outlet, thus entrapping a lake above. A more probable theory is that a narrowing down of the gulch, due to the slower erosion of resistant basic sills, may have caused a natural dam during the post-glacial torrential period. Quartz veins are found in the sills and quartzite of Boulder Creek. These carry gold in varying amounts. After a general study of all of the placer gold of the area, it seems probable to the writers that the placer gold originates from the stream erosion of the gold-bearing veins of the basic sills. Some of the gold recovered from the sluice boxes was assayed for its fineness. As there have been many periods of deposition in the various gravel banks, the fineness of the gold and silver varies, as the following table shows (figures are based on parts per thousand of alloy):

Sample	Gold	Silver	Base Metal
1	850	133	17
2	911	68	21
3	930	58	12
4	870	118	12

"The exact source of this gold has not been determined. There are three possibilities, namely: from veins in the Boulder Creek drainage, from basic sills, or from material beyond the immediate area brought in by glacial transportation. The probabilities are, however, that the first two are the more important sources. Systematic exploration with the drill is proposed as an aid to determining the distribution and quantity of the gold."

The foregoing quotations refer directly to the gravel deposits on Idamont ground.

The mine management recently cleaned out some sluice boxes that had been in use a number of years ago, and that had been covered by a slide from the gravel bank. In a limited number of riffles cleaned, a very fair recovery of gine flake gold was made, containing a few good sized nuggets. A considerable amount of black sand was also recovered, which upon assay gave a value of $21.91 per ton in gold. As stated by the authors of Bulletin No. 10, no systematic sampling has ever been

attempted. It is not assumed that the entire deposit of gravel contains gold in paying quantities, but that gold is present there can be no doubt, and that it occurs in certain definite beds within the deposit is probable.

That this deposit should be sampled is quite apparent; the immense yardage available, the presence of known gold and the available water power all combine to make this a most attractive exploration venture. Most of the necessary prospecting equipment is on the ground and the cost of such a campaign under the conditions that prevail in this camp would not be great.

CONSLUSIONS

To sum up we find that the Idamont Lead-Zinc Mines Co has ample acreage to take care of all possible future needs; the location with respect to transportation is nearly ideal; the climatic conditions are normal, while timber and water are plentiful. The geological conditions are very favorable and sufficient mineralization has been exposed at the surface to warrant a development campaign at depth. The fact that the claims ~~lies~~ lie in a mineralized zone that is known to extend for a considerable distance both north and south, a zone that contains some of the largest producers on the Continent, is worth serious consideration.

Of the 3 types of ore deposits described, the contact type shows the greatest promise. From present indications there are ample justification for believing that commercial bodies of ore will be found.

In addition to the foregoing statements relating to the lode or vein deposits, the gravel deposits as a possible source of considerable gold should be given very careful attention.

Power, which is usually a problem at mining properties, is hardly a matter for consideration here. The question of sufficient water for allmilling purposes is likewise a matter of no concern.

The entire project warrants the careful expenditure of a reasonable amount of money for exploration and development purposes. A well planned program can prove the property without an excessive outlay of capital, and the size of the project most certainly warrants this exploratory work.

Dated February 19, 1982 Rowland King, E.M.

Note:
As of May 25, 1981, Rowland King is chief engineer for the famous Sunshine Mining Co., and is a past president of the Northwest Mining Association.

SUPPLEMENTAL REPORT ON THE PROPERTIES OF THE IDAMONT LEAD-ZINC MINES CO
BY ROWLAND KING, E. M. 1933

You having decided upon a program of exploration and prospecting for gold in the placer deposits, I did during May 1932 make a survey and selected a location for that purpose.

The object of such work was to determine where the gold values lay in the gravels, how thick the pay streaks are, and the value per cubic yard. To do this it was planned to drive a tunnel some 400 feet into the gravel bank, thus reaching the deepest part of this particular deposit, after which an upraise was to be driven to the surface from the tunnel level, a vertical distance of 275 feet.

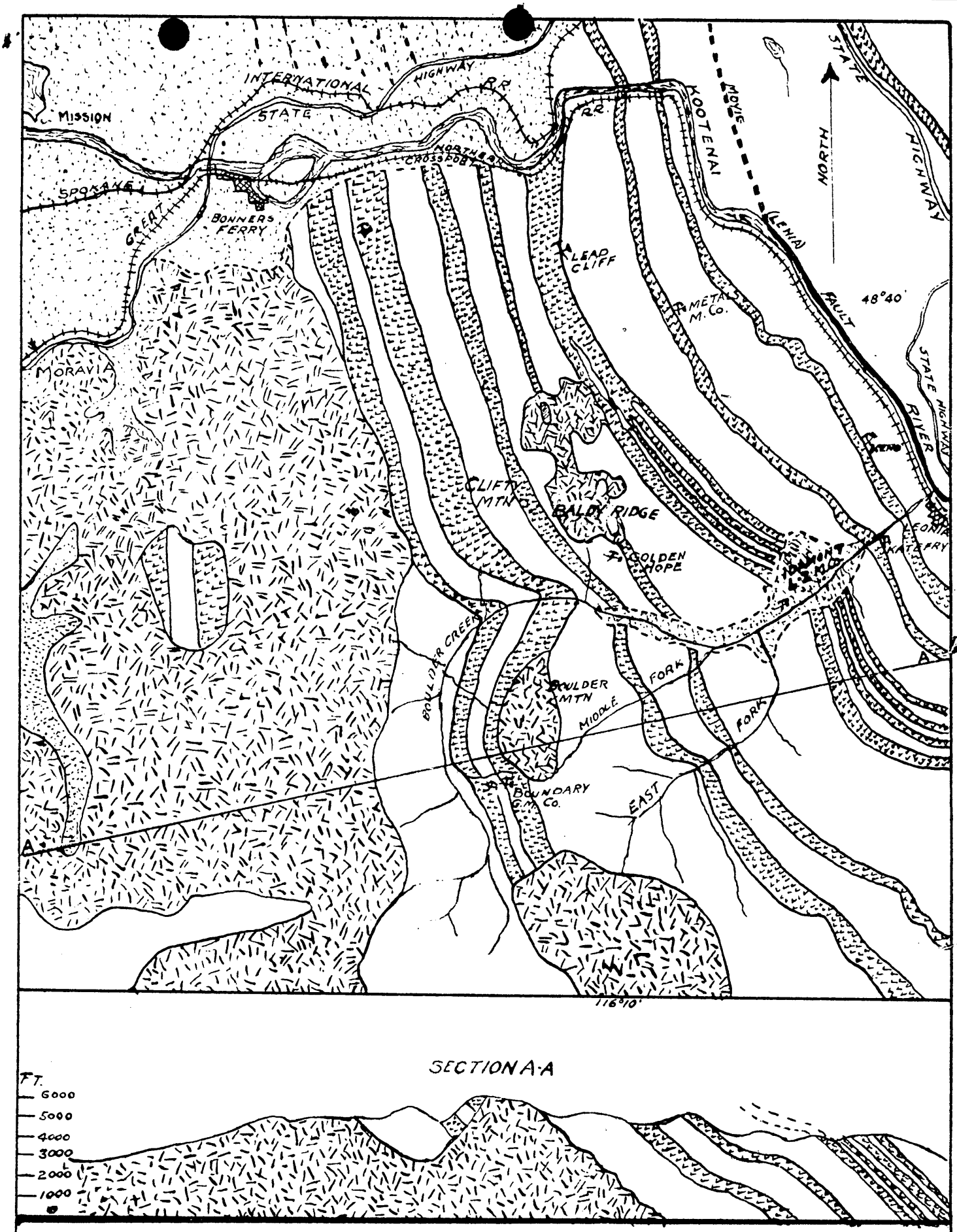
This work was started and the tunnel driven for approximately 100 feet. The problem of handling large boulders, and also of keeping the fine sand from filling the tunnel, became so serious that to continue would bring the cost all out of proportion to the knowledge gained. Consequently this particular work was abandoned during the summer.

Immediately thereafter, a trench was dug on a piece of flat ground at the base of the gravel bank. This was some 10 feet in length, and 7 feet deep by 6 feet wide. While I was unable to visit the property during this time, I kept in close touch with the management, and was advised that approximately three-fourths of the yardage handled consisted of large boulders. All material, except the large boulders, was put through sluice boxes, and when these were cleaned up, quite a substantial amount of the recovered gold was found to be rather course. Computations based on the yardage handled, and the recovered gold, indicate that when including the large boulders, this material averaged between 25 cents and 35 cents per cubic yard. (Based on gold at $35 per ounce). Elimation of the large rocks would bring this up to something between 85 cents and $1.30 per cubic yard.

This is a very satisfactory result, and I am of the opinion that additional testing work should be carried on to prove other likely areas on the claims. According to my information most of the large boulders were found close to the surface, and the gravel became gradually smaller as depth was gained. This will make for simpler and cheaper handling which will be reflected in increased profits per yard. Naturally, the foregoing statements are inadequate upon which to base any definite or positive statements. However, sufficient gold was recovered to indicate the real possibilities of the project.

Late in 1932, you decided upon some diamond drilling operations for the purpose of prospecting some ground about 800 feet upstream from tunnel No.3. At that time I was engaged in work in Southern Idaho, and had no opportunity to visit the property. I was advised that the first hole struck a sill and remained in it for the full length of the hole (106 feet). The second hole put down close by showed values in the drillings (21¢ to $1.44 per ton in gold), and the section between 65 and 77 feet from the surface returned an assay of $50.03 per ton in gold. This is extremely interesting and additional drilling should be done to confirm the result.

Rowland King, E.M.



SECTION A-A

ALLUVIAL SEDIMENTS

BASIC SILLS

GRANITE

METAMORPHOSED SEDIMENTS

⊗ - MINES

SCALE: 1 IN. = 2 MI.

BULLETIN NO. 10

BOUNDARY COUNTY, IDAHO.

IDAHO BUREAU OF MINES & GEOLOGY

MAP NO 1

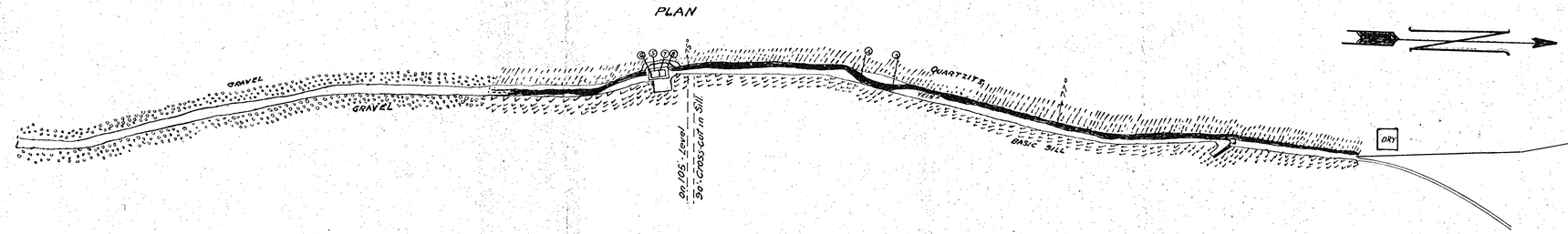
TO ACCOMPANY A REPORT BY ROWLAND KING, E.M.

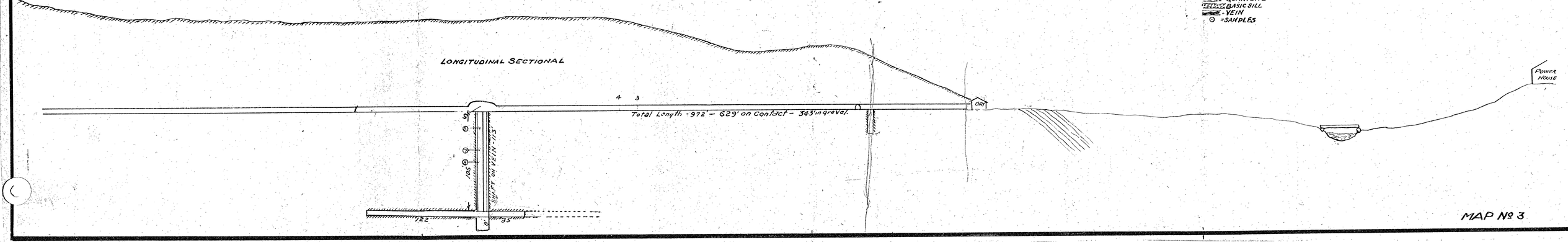
IDAMONT LEAD-ZINC MINES CO.

LEONIA IDAHO

Nº 3 TUNNEL

PLAN





~LEGEND~

SCALE:- 1" = 50 FT

GRAVEL

QUARTZITE

BASIC SILL

VEIN

⊙ = SAMPLES

MAP Nº 3

N
36
31
29
28
27
22
33
6
5
1
YELLOW
ROSE
QUEEN
LUCKY
TOON
IRENE
MAPLE LEAF
GOLD BAR
BOULDER'S BEST
RUBY
PEARL
MAID
MOUNTAIN
LAST CHANCE
DUKE'S PLACER BAR
LUCILE ASS'N
HARRIS
ASS'N
GABIE
ANNEX
LITTLE JACK ASS'N
CARLTON
GT. EITCHIA
WEDGE
LOST CABIN
GOLDEN TRIPLETS
QUARTZ CLAIMS
MAIN CAMP
TEMP STATION
FOREBAY No.1
FOREBAY No.2
FOREBAY No.3
BOULDER CREEK
MAIN CREEK
MAIN WATER DITCH
ROAD
EAST FORK
WINDY FORK
IDAHO
MONTANA
IDAMONT LEAD-ZINC MINES COMPANY
LEONIA~IDAHO
GENERAL MAP
SHOWING QUARTZ & PLACER CLAIMS
SCALE~1in=800ft
MAP NO 2
TO ACCOMPANY REPORT BY HOWLAND ROSLER JAN 1919