FILE COPY
SURNAME:

Bourret.

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

July 23, 1951

Mr. Fred [illegible], Jr.
[illegible] State
[illegible]
Commonwealth Square
[illegible], Pennsylvania

Dear Mr. Lo[illegible]:

Re: Millsboro, Delaware
DMA Docket 1[illegible]X

Thank you very much for your letter of July advising you would like to see us [illegible] in regard to the subject docket.

While we appreciate your offer I wish to state that in the judgment of the DMA sufficient evidence is already available to determine as fact that this deposit does not contain a high enough content of cobalt to justify further considerations at this time. We have already know from my previous letter this property was diamond drilled about 1944, and the report published in bulletin [illegible] of the Bureau of Mines. While some cobalt is present there is little chance of commercial production on account of the extremely low tenor.

Yours very truly,

Tom Lyon

Tom Lyon, Director
Supply Division

ERGordon/lk
cc: Adm. Reading File
Reports and Records
Lyon
Field Team III (2)
Bourret
~~McKnight~~
Files
Thayer
Davis

M. Bowers

FRED W. LOGAN

Alderman—Real Estate

HARTMAN BUILDING
CONTINENTAL SQUARE
YORK, PA.

FARMS AND HOMES

BUY-SELL-TRADE OR RENT

Defense Minerals Administration
RECEIVED
JUL 1 3 1951
ELSON F. STROBEL
Executive Secretary

July 12, 1951

ans. 7-23-51

Mr. Tom Lyon,
Director Supply Division,
U. S. Department of the Interior,
Defense Minerals Administration,
Washington 25, D. C.

Re: Dillsburg Magnetite
DMA Docket 1498x

Dear Sir:

I was sorry I did not get to see you when I was in Washington the last part of June. I did leave with you a small sample of sulphide and an analysis of the Dillsburg ore.

Sorry you did not see fit to give me some money to investigate the cobalt.

The reason why I left you the sulphide sample is, the cobalt is contained in the sulphur crystals, and was considered a nuisance in the early days.

The only real way to learn anything about this ore is to get the water out at one of the shafts and make a full investigation of the vein matter. I do not believe very much in drilling for this kind of ore, as this ore lays in pockets and does not spread out like a coal mine. I could show you on our maps how to locate the different grades of ore – where we find them and how we do it.

I have been trying to find out something about the cobalt. The analysis showed about three fourths of one per cent and it also showed considerable sulphates, in addition to the cobalt sulphate, which might make it considerably higher. If we had 8 to 10 pounds of cobalt to a ton of ore, the mines could be run as a paying proposition and throw the iron ore on the dump.

FARMS
AND
HOMES

FRED W. LOGAN
Alderman—Real Estate
HARTMAN BUILDING
CONTINENTAL SQUARE
YORK, PA.

BUY-SELL-TRADE
OR
RENT

If you knew how these things are lined up to locate pockets, you would have an entirely different idea. I could show you on our maps how they line up, and I think you would be very much surprised.

The reason I am not interested in mining the magnetic ore is the railroad company's freight rate. At one time we had a switch clear to the mine and loaded the ore on cars from the shaft. My father paid for the rails and ties in building this road. When times got hard, the railroad company tore up the rails and went off with them and left us to build a new switch, if we wanted one. In addition to this, the Cornwall mines get a freight rate of $1.23 and they ask us $2.40. I do not care to mine anything I would have to ship over that railroad.

I would be glad to come to Washington some time and go over this matter with you when you have time.

Personally, I do not expect to do the mining — merely investigating the cobalt. I am over 74 years of age, and that is too old to start active mining, but it does not mean that I do not know more about the situation than the younger men can find out with a drill.

Very truly yours,

Fred W. Logan

MBD

Fred W. Logan

FILE COPY
SURNAME:

Bourret.

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

July 2, 1951

Mr. Fred W. Logan
25 S. Duke Street
York, Pennsylvania

Re: DMA docket 1498x
Cobalt

Dear Mr. Logan:

Thank you very much indeed for the copy of analysis of ore delivered to this office on June 23. I also wish to acknowledge the receipt of the two specimens of iron sulphides which accompanied this report.

We will be pleased to add this material to your docket.

Yours very truly,

Weston Bourret, Chief
Minor and Rare Metals Branch

WBourret/bf
cc: Adm. Reading File
Lyon
Strobel
Thayer
Davis
Bourret
Files

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

June 21, 1951

MEMORANDUM

To: Landon F. Strobel, Executive Secretary

Through: Director, Supply Division

From: Minor and Rare Metals Branch

Subject: Dillsburg Magnetite, DMA docket 1498x

Under date of May 28, 1951 Mr. Fred W. Logan of York, Pennsylvania requested an exploration project for cobalt in the amount of $10,000.

This proposition was reviewed under date of June 14 by Mr. T. P. Thayer of the U. S. G. S.; his conclusions and recommendations follow:

> Although U. S. G. S. Bulletin 969-A, Diamond-Drill exploration of the Dillsburg magnetite deposits, York County, Pa., by P. E. Hotz, 1950, states that pyrite is the most abundant metallic gangue mineral in the deposits and probably contains cobalt as does the pyrite in the Cornwall deposits, there would be practically no chance of producing cobalt commercially. In the Cornwall ore, only about 0.05 % cobalt, or 1.12 lbs. per ton, is present, but it can be produced economically as a byproduct from an estimated annual production of a million tons of iron ore. At Dillsburg, however, despite the amount of drilling by the Bureau of Mines (18 holes ranging in depth from 200-600 feet), iron ore was not found in sufficient quantity or continuity to justify reserve estimates, much less to recommend that it be produced under present conditions. Therefore, even if consideration was given to producing cobalt as a by-product the risk would also be unwarranted.

The attached letter of even date was sent to the applicant advising that his project is denied. We are returning herewith the complete docket as follows: (A) two copies form MF-100, two copies form MF-103; (B) Confidential report on the Dillsburg magnetite deposits of G. L. Neuman; (C) review of application by T. P. Thayer dated June 14.

Approved:

Director, Supply Division

Weston Bourret, Chief
Minor and Rare Metals Branch

Attachment

FILE COPY
SURNAME:

Bourret.
Counsel
Davis

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

June 21, 1951

MEMORANDUM

To: Landon F. Strobel, Executive Secretary

Through: Director, Supply Division

From: Minor and Rare Metals Branch

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Weston Bourret M.N.
Weston Bourret, Chief
Minor and Rare Metals Branch

Approved: Tom Lyon
Director Supply Div.

Attachment

cc: Adm. Reading File
Lyon
Strobel
Thayer
Field Team (2)
Bourret
Files

Bourret 1948

FILE COPY
SURNAME:

Bourret
Cornwell
Davis

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

ATTN

June 20, 1951

Mr. Fred W. Logan
25 S. Duke Street
York, Pennsylvania

Re: Dillsburg Magnetite
DMA docket 1498x

Dear Mr. Logan:

Your application of May 28, 1951 for an exploration project in the amount of $10,000 has been reviewed by the Minor and Rare Metals Branch, Supply Division.

After careful review and study by this office I regret to advise that your application must be denied. In the light of present information on the Dillsburg magnetite deposits we are convinced that the amount of cobalt present precludes the possibility of producing this material commercially. As you know the Bureau of Mines and Geological Survey reported on this area in 1950 (U. S. G. S. Bulletin 969A) and did not find sufficient evidence of cobalt mineralization to justify a favorable recommendation, even under present conditions and prices.

Yours very truly,

Tom Lyon
Tom Lyon, Director
Supply Division

WBourret/bf
cc: Adm. Reading File
Lyon
Strobel
Field Team (2)
Thayer
H. Davis
Bourret
Files

FILE COPY
SURNAME:

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

June 18, 1951

Mr. Fred W. Logan
25 S. Duke Street
York, Pennsylvania

Subject: DMA-1498X
Re: Exploration Loan

My dear Mr. Logan:

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

The application was assigned Docket Number DMA-1498X and referred to Mr. Weston G. Bourret, Acting Chief, Minor and Rare Metals Branch on June 18, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1498X.

Sincerely yours,

LANDON F. STROBEL
jc

Landon F. Strobel
Executive Secretary

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

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA-1498X

Date received 6/4/51

Participation

Fred W. Logan,
25 S. Duke St.,
York, Pa.

Name and address of applicant

Date May 24, 1951

FILL IN THIS BLOCK

Date of application May 24, 1951

Estimated cost $10,000.00

Mineral or metal Cobalt (Is in magnetic iron ore)

Percentage of Government participation 90%

Location of mine Dillsburg, York County, Pa.

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? Individual

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

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

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. Opened some of the mines; 40 years experience in business.

*5. Are you the owner or the lessee of the property? Half owner. F. W. Logan, manager

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

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

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. Business not operating

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)? $1000.00; yes sufficient.

*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. 60 acres land with shafts & tunnels

(*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. Logans owned property over 50 yrs.

*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. 1 mile east of Dillsburg R.R.

*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. 25 HP, Stream pumped from mines

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. Shafts & tunnels; breast of ore 30-ft thick.

15. State in detail how the ore could be shipped and how and where milled. Milled at mine; shipped to furnaces.

*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. Last exploration 1909

(*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. Plenty of iron ore. The only question - whether the cobalt in this analysis is to warrant any exploration.

*17. Production:

(*a*) If mine is in production, furnish the following information: Not in operation.

	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.) Has not 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. Freight for iron ore $2.40; for competitor $1.23. I will not make any attempt to mine iron ore. If cobalt is enough to justify investigation, will be glad to go further.

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.

Fred W. Logan
(Name of company)

By Fred W Logan
(Signature of authorized official)

May 24, 1951
(Date)

(Title)

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

*Same as footnote on page 1.

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

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-1498X

Date received 6/4/51

Fred W. Logan,
25 S. Duke St.,
York, Pa.

Name and address of applicant

Date May 28, 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? Cobalt and Iron Ore. If no cobalt, no work.
   (*b*) What are the byproducts, if any? Principally Iron Ore.
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 1 mi. from Dillsburg, Pa., west of Dillsburg.
   (*b*) Mining district. Central Penna.
   (*c*) Township, Section, Range. Carroll Twp., York Co., Pa.
   (*d*) County, State. York County, Pa.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

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

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production: I am just looking what percentage of Cobalt is in the mine; count on 1500 lbs. per day. Iron Ore probably 50 to 100 tons.

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

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

12. Ore or Mineral Reserves:

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor: None. Wish to have 4 men to get water out of mine and investigate Cobalt.

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

Fred W. Logan
(Name of company)

By Fred W Logan
(Signature of authorized official)

May 23, 1951
(Date)

(Title)

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

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

Dma-1498X

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
College Park, Md.

June 13, 1951

Memorandum

To: Tom Lyon, Chairman, Coordinating Committee

From: Executive Officer, Bureau-Survey Field Team, Region VIII

In reference to my memorandum to you dated June 1, enclosing Forms MF-100 and MF-103 executed by Fred W. Logan of York, Pennsylvania, in connection with his request for assistance in exploring a cobalt-iron deposit at Dillsburg, Pennsylvania:

Attached is the fourth copy of each of these forms pertaining to this application.

McHenry Mosier

McHenry Mosier

Attachments
Fourth copy of MF-100
Fourth copy of MF-103
Incoming Letter

BUREAU OF MINES
WASHINGTON, D. C.

1951 JUN 14 AM 8 17

Form MF-100
(May 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-1498 X

Date received 6/15/51

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 15 1951
LANDON F. [illegible]
Executive Secretary

Fred W. Logan,
25 S. Duke St.,
York, Pa.

Name and address of applicant

Date May 28, 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) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

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   (*b*) What are the byproducts, if any? Principally Iron Ore.
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 1 mi. from Dillsburg, Pa., west of Dillsburg.
   (*b*) Mining district. Central Penna.
   (*c*) Township, Section, Range. Carroll Twp., York Co., Pa.
   (*d*) County, State. York County, Pa.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

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

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

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

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production: I am just looking what percentage of Cobalt is in the mine; count on 1500 lbs. per day. Iron Ore probably 50 to 100 tons.

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

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

12. Ore or Mineral Reserves:

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor: None. Wish to have 4 men to get water out of mine and investigate Cobalt.

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

Fred W. Logan
(Name of company)

By Fred W Logan
(Signature of authorized official)

May 28, 1951
(Date)

(Title)

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

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

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA-1498X

Date received 6/15/51

Participation

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 15 1951
LAWSON F. STROBEL
Executive Secretary

Fred W. Logan,
25 S. Duke St.,
York, Pa.

Name and address of applicant

Date May 24, 1951

FILL IN THIS BLOCK

Date of application May 24, 1951

Estimated cost $10,000.00

Mineral or metal Cobalt (Is in magnetic iron ore)

Percentage of Government participation 90%

Location of mine Dillsburg, York County, Pa.

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? Individual

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

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

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. Opened some of the mines; 40 yrs. experience in business,

*5. Are you the owner or the lessee of the property? Half owner F.W.Logan, Manager

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

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

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. Business not operating.

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)? $1000.00; yes sufficient.

*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. 60 acres land with shafts & tunnels

(*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. Logans owned property over 50 yrs.

*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. 1 mile east of Dillsburg R.R.

*13. State source and quantity of water available for operations and its sufficiency at all seasons. Stream pumped from mines
State amount of power to be used, rate per hour or other cost, and source. 25 H.P.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. Shafts & tunnels; breast of ore 30-ft. thick.

15. State in detail how the ore could be shipped and how and where milled. Milled at mine; shipped to furnaces

*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. Last exploration 1909

(*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. Plenty of iron ore. The only question - whether the cobalt in this analysis is to warrant any exploration.

*17. Production:

(*a*) If mine is in production, furnish the following information: Not in operation

	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.) Has not 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. Freight for iron ore $2.40; for competitor $1.23. I will not make any attempt to mine iron ore. If cobalt is enough to justify investigation, will be glad to go further.

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.

Fred W. Logan
(Name of company)

By Fred W Logan
(Signature of authorized official)

May 24, 1951
(Date)

(Title)

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

*Same as footnote on page 1.

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

Dma - 1498X

FARMS AND HOMES

FRED W. LOGAN

Alderman—Real Estate

HARTMAN BUILDING
CONTINENTAL SQUARE
YORK, PA.

BUY-SELL-TRADE OR RENT

June 12, 1951

Mr. McHenry Mosier,
Executive Officer,
Bureau-Survey Field Team,
Region VIII, U.S.Dept. of Interior,
College Park, Maryland.

Dear Mr. Mosier:

Sorry I delayed so long in returning these copies, but I have been busy and they were forgotten.

If the Cobalt is not worth investigating, it is useless for us to waste time on the ore.

We have made a pretty through examination of the iron ore and know what can be done, but with the railroad company asking us twice as much freight as other people pay, I am not very anxious to do anything with the iron ore.

Very truly yours,

Fred W Logan

Fred W. Logan

MBD
Enclose forms
MF-100 and MF-103

BUREAU OF MINES
COLLEGE PARK, MD

1951 JUN 13 PM 1 : 12

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA-1498x

Commodity Cobalt

Total Amount $10,000

Govt. Participation $9,000

1. Name and Address of Applicant Fred W. Logan, 25 S. Duke St., York, Pa.

2. Location of Property Dillsburg, York County, Pa. (60 acres of land 1 mile east of Dillsburg R. R.)

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

If not, application will be rejected.

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

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

a) Good

b) Poor

c) None Practically none *

d) Don't know—needs field examination

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

5. Is the applicant's right to the property clearly stated? (question 5, 6, 7)*

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

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

*question numbers are those of MF-103

7. Are subordination agreements necessary?_____

   a) MF-201?_____

   b) MF-202_____

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

   a) Available manpower_____

   b) Equipment and supplies_____
      (Question 14 plus general knowledge of availability)*

   c) Accessibility (question 12)*_____

   d) Water (question 13)*_____

   e) Power (question 13)*_____

   Is a field check needed on any of these points?_____

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)*_____

   _____

   Is a field check needed on this point?_____

10. Exhibit A. (questions 21 and 22)*

   a) Is the project adequately described?_____

      If not, are there sufficient data given so that you can describe the project?_____ If so, attach a draft.

   b) Is there an adequate map or sketch of the proposed work?_____

      _____

   c) Is the proposed work "exploration" under the definition of Section 8, MO-5?_____

      If not, what part of it is?_____

      _____

      _____

      _____

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed?_____

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data?_____ If so, attach a draft.

e) Are the cost estimates reasonable?_____

f) Should more information be requested from applicant?_____

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

11. Exhibit B (question 23-d)*

a) Is it applicable?_____

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

c) Is a field check needed?_____

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

a) Is it applicable?_____

b) Sufficient data?_____ If so, attach a draft.

c) Are rents and charges reasonable?_____

d) Is a field check needed?_____ _____

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

a) Are there sufficient data?_____

b) Is the schedule adequate for the work proposed?_____

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

d) Are the proposed wages and salaries reasonable?_____

e) Is a field check needed?_____

14. Exhibit E (question 23-c)*

a) Is it applicable?_____

b) Sufficient data?_____

c) Reasonable?_____

d) Field check needed?_____

15. In your judgment, can the proposed work be done in the proposed time?_____

(All exploration must be completed within two years)

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

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question?_____

Reviewed by:_____

Date_____

97692

6/14/51

*Although U. S. Geological Survey Bull. 969-A, Diamond-drill exploration of the Dillsburg magnetite deposits, York County, Pa., by P. E. Hotz, 1950, states that pyrite is the most abundant metallic gangue mineral in the deposits and probably contains cobalt as does the pyrite in the Cornwall deposits, there would be practically no chance of producing cobalt commercially. In the Cornwall ore, only about 0.05 percent cobalt, or 1.12 pounds per ton, is present, but it can be produced economically as a byproduct from an estimated annual production of a million tons of iron ore. At Dillsburg, however, despite the amount of drilling by the Bureau of Mines (18 holes ranging in depth from 200-600 feet), iron ore was not found in sufficient quantity or continuity to justify reserve estimates, ~~let alone~~ much less recommend that it be produced under present conditions. Therefore, even if consideration were given to producing cobalt as a byproduct, the risk would also be unwarranted.

T. P. Layer

Defense Minerals Administration
Reference Slip

Date 6/6

To: 1. ~~Mr. Paulee~~

2. Mr Bourret

3. _____

4. _____

DMA/498 X

For Action ✓

Reply _____

Information _____

Remarks: _____

Sender ~~LANDON F. STROBEL~~ OA

3

Mr. Strobel DMA 1498 X

Forwarded to

Branch _____

Date _____

Sender _____

2

Mr. Strobel DMA 1498 X

Forwarded to

Branch _____

Date _____

Sender _____

Dma-1498X

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
College Park, Maryland

June 1, 1951

Memorandum

To: Tom Lyon, Chairman, Coordinating Committee

From: Executive Officer, Bureau-Survey Field Team, Region VIII

Attached is application from Fred W. Logan, York, Pennsylvania, for assistance in exploration for cobalt at Dillsburg, York County, Pennsylvania. Only three copies of Forms MF-100 and MF-103 have been submitted by Mr. Logan, but an additional copy of each should follow. See attached letter to Mr. Logan from me.

The Dillsburg District was investigated by the Bureau of Mines in 1945 and 1946. Magnetic surveys were run and eight holes were diamond drilled. R. I. 4145 is the published report on this investigation. Attached is a confidential report.

McHenry Mosier

McHenry Mosier

Attachments

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-1498X

Date received 6/4/51

Fred W. Logan,
25 S. Duke St.,
York, Pa.

Name and address of applicant

Date May 28, 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? Cobalt and Iron Ore. If no cobalt, Principally Iron Ore.
   (*b*) What are the byproducts, if any? no work.
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 1 mi. from Dillsburg, Pa., west of Dillsburg.
   (*b*) Mining district. Central Penna.
   (*c*) Township, Section, Range. Carroll Twp., York Co., Pa.
   (*d*) County, State. York County, Pa.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

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

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

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

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production: I am just looking what percentage of Cobalt is in the mine; count on 1500 lbs. per day. Iron Ore probably 50 to 100 tons.

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

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

12. Ore or Mineral Reserves:

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor: None. Wish to have 4 men to get water out of mine and investigate Cobalt.

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

Fred W. Logan
(Name of company)

By Fred W Logan
(Signature of authorized official)

May 28, 1951
(Date)

(Title)

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

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-1498X

Date received 6/4/51

Fred W. Logan,
25 S. Duke St.,
York, Pa.

Name and address of applicant

Date May 23, 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? Cobalt and Iron Ore. If no cobalt no work.
   (*b*) What are the byproducts, if any? Principally Iron Ore.
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 1 mi. from Dillsburg, Pa., west of Dillsburg
   (*b*) Mining district. Central Penna.
   (*c*) Township, Section, Range. Carroll Twp., York Co., Pa.
   (*d*) County, State. York County, Pa.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

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

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production: I am just looking what percentage of Cobalt is in the mine; count on 1500 lbs. per day. Iron Ore probably 50 to 100 tons.

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

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

12. Ore or Mineral Reserves:

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor: None. Wish to have 4 men to get water out of mine and investigate Cobalt.

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

Fred W. Logan
(Name of company)

By Fred W Logan
(Signature of authorized official)

May 28, 1951
(Date)

(Title)

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

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

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. Dma - 1498 X

Date received 6/4/51

Participation

Fred W. Logan,
25 S. Duke St.,
York, Pa.

Name and address of applicant

Date May 24, 1951

FILL IN THIS BLOCK

Date of application May 24, 1951

Estimated cost $10,000.00

Mineral or metal Cobalt (Is in magnetic iron ore)

Percentage of Government participation 90%

Location of mine Dillsburg, York County, Pa.

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? Individual

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

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

*4. Describe the mining and general business experience of (a) the applicant, and (b) the person or persons who will manage the project. Opened some of the mines; 40 years experience in business.

*5. Are you the owner or the lessee of the property? Half owner. F. W. Logan, manager

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

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

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. Business not operating

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)? $1000.00; yes sufficient.

*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. 60 acres land with shafts & tunnels

(*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. Logans owned property over 50 yrs.

*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. I mile east of Dillsburg R.R.

*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. 25 HP Stream pumped from mines

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. Shafts & tunnels; breast of ore 30-ft thick.

15. State in detail how the ore could be shipped and how and where milled. Milled at mine; shipped to furnaces.

*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. Last exploration 1909

(*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. Plenty of iron ore. The only question - whether the cobalt in this analysis is to warrant any exploration.

*17. Production:

(*a*) If mine is in production, furnish the following information: Not in operation.

	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.) Has not 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. Freight for iron ore $2.40; for competitor $1.23. I will not make any attempt to mine iron ore. If cobalt is enough to justify investigation, will be glad to go further.

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.

Fred W. Logan
(Name of company)

By Fred W Logan
(Signature of authorized official)

May 24, 1951
(Date)

(Title)

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

*Same as footnote on page 1.

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

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-1498X

Date received 6/4/51

Participation

Fred W. Logan,
25 S. Duke St.,
York, Pa.

Name and address of applicant

Date May 24, 1951

FILL IN THIS BLOCK

Date of application May 24, 1951

Estimated cost $10,000.00

Mineral or metal Cobalt (is in magnetic iron ore)

Percentage of Government participation 90%

Location of mine Dillsburg, York County, Pa.

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

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16—64067-1

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*13. State source and quantity of water available for operations and its sufficiency at all seasons. Stream pumped from mines
State amount of power to be used, rate per hour or other cost, and source. 25 HP

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. Shafts & tunnels; breast of ore 30-ft thick.

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Fred W. Logan
(Name of company)

By Fred W. Logan
(Signature of authorized official)

May 24, 1951
(Date)

(Title)

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*Same as footnote on page 1.

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

xxxxxxxxxxxxx
College Park, Maryland

June 1, 1951

Mr. Fred W. Logan
25 South Duke Street
York, Pennsylvania

Dear Mr. Logan:

In further reference to your application on Forms MF-100 and MF-103 which were returned this morning:

Only three copies of each form were enclosed by you. These three copies are being sent to the Washington office today so that they may be placed in line for consideration before the closing date.

As four copies of each form are required with each application, kindly execute the attached blank copy of Form MF-100 and MF-103 and return them to me as soon as you have signed them.

Yours very truly,

McHenry Mosier
Executive Officer
Bureau-Survey Field Team
Region VIII

Attachments

MMosier/be

c.c.'s to: DMA Files 2
J. B. Hanley
Tom Lyon

CONFIDENTIAL REPORT
Not for Publication

DILLSBURG MAGNETITE DEPOSITS
York County, Pennsylvania
By G. L. Neumann

SUMMARY

The magnetic survey indicated a potential deposit of magnetite. Seven anomalies, with a combined area of approximately 90 acres, were delineated.

The diamond drilling did not wholly substantiate the results of the magnetic survey. A total of 40 bands of ore were cut in the holes. The aggregate thickness was 360 feet which averaged 26.5 percent total iron.

The core recovery in percent on the contract drilling was as follows:

Ore zones	59.9
Total	75.5

The core recovery in percent on the drilling with the Government-owned rig was as follows:

	Holes 10, 11, 12, 13	Holes 14, 15, 16	Holes 17, 18	Total
Ore zones	55.5	71.5	100	64
Total	69.5	66.8	77	74

Because of the relatively poor recovery of AX core especially in hole 13 and because core recovery in NX and BX holes had been considerably higher an attempt was made to cut the ore zones in holes 14, 15, and 16 with NX and BX bits. Although the core recovery was somewhat improved, the additional costs and drilling time were substantial and were not justified by the results. Holes 17 and 18 were drilled with an improved type of core barrel, in which the core lifter and the inner tube does not

rotate. The core recovery in this instance was 100 percent in the ore zone. The drilling costs and time were both reduced materially.

The beneficiation tests on Dillsburg ore proved satisfactory, showing an average extraction of 84 percent in a concentrate, assaying 64 percent total iron. The concentrate would be well within limits on deleterious impurities.

ORE RESERVES

The bands of mineralization cut in the various ore zones do not show any coordination. The drilling was not planned with the idea of developing measurable reserves due to the type of deposit (a series of dipping lenses). Accordingly, it would be mere conjecture to attempt any estimate of tonnage.

COSTS

A record of the costs for the work done by the Bureau of Mines is attached.

CONCLUSIONS

Should iron become more critical the Dillsburg magnetite deposits might be a potential producer on a small scale. The work of the Bureau of Mines indicated a series of small magnetite lenses which could not be correlated. Drill holes were not spaced close enough to determine whether or not the lenses were connected by stringers of mineable ore.