DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1133

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	SEP 18 1951
To:	Reports and Records	Date	SEP 20 1951
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. 1133 X

To: Reports and Records Branch Roy, Henry J. etc

From: LEAD ZINC BRANCH

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Denied ☐ Withdrawn ☐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

NON-PRIVILEGED DOCUMENT

TO BE PHOTOCOPIED AND PRODUCED

DO NOT CODE

BATES NO. 0421

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

SEP 20 1951

a. EC

Memorandum

Re: DMA-1133
Big Elk Group
Kootenai County,
Idaho
Lead.

To: Reports and Records Unit
Administrative Management Div.

From: Chief, Lead-Zinc Branch

Subject: Denial of exploration loan

A field team examination has been made on this property and a recommendation submitted that a loan be denied.

Available assays from outcrops and workings indicate sparse mineralization, but no ore of merchantable grade. It can only be concluded, that this prospect is a quartz vein with slight mineralization. The competence of the applicant is doubtful.

After reviewing all data, we agree with the field team recommendation that this application for a loan should be denied.

Returned herewith are:

2 Copies field team report
2 Copies Form MF-103
2 Maps

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 20 1951

New Comb. (ETM)
McKnight
Bishop
Billings

Memorandum

Re: DMA-1133
Big Elk Group
Kootenai County,
Idaho

To: Reports and Records Unit
Administrative Management Div.

From: Chief, Lead-Zinc Branch

Subject: Denial of exploration loan

A field team examination has been made on this property and a recommendation submitted that a loan be denied.

Available assays from outcrops and workings indicate sparse mineralization, but no ore of merchantable grade. It can only be concluded, that this prospect is a quartz vein with slight mineralization. The competence of the applicant is doubtful.

After reviewing all data, we agree with the field team recommendation that this application for a loan should be denied.

Returned herewith are:

2 Copies field team report
2 Copies Form MF-103
2 Maps

B 9/20

T. P. Billings, Chief
Lead-Zinc Branch

Approved:

Tom Lyon
Director, Supply Division

ELNewcomb:emp
G 9-17-51
Copies to: A. E. Weissenborn Region II (2)
Chief, Lead-Zinc Branch
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:

350

Newcomb (E TRC)
McKnight
Bishop
Bellridge

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

SEP 20 1951

Re: DMA-1133

A.E.C.

Mr. Henry J. Roy
1632 W. 11th Street
Los Angeles, California

Dear Mr. Roy:

The Defense Minerals Administration has reviewed your application for an exploration loan.

We have the report of a field examination made at your property. From this information, we must conclude that only sparse mineralization exists on your claims. The assays indicate only low grade mineralization in the quartz vein and there is no reason to expect that the exploration you propose will reveal a richer grade of ore. For this reason, we cannot justify the expenditure of public funds for your project.

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

Very truly yours,

BJ 9/20

Tom Lyon

Tom Lyon, Director
Supply Division

ELNewcomb:emp
G 9-17-51
Copies to: A. E. Weissenborn (2)
Chief, Lead-Zinc Bracnh
E. T. McKnight 4204 GSA
O. Bishop
Directors r. files 4214 GSA
Br. r. files 4214 GSA
Administrators r. file
DMA docket files

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

June 26, 1951

Memorandum

To: DMA, Field Team, Region II

From: W. Bradley Myers, Geologist, U.S.G.S.

Subject: Docket DMA 1133 X
Henry J. Roy, et al
Big Elk Group Property
Kootenai County, Idaho
Lead
Exploration loan

Recommendations

It is recommended the application of Henry J. Roy for an exploration loan on the Big Elk Group of claims be denied. Field examination suggests that the mineralization of the exposed vein is not sufficiently strong to warrant further exploration.

Summary of Field Examination

Field examination was made of the property on June 19 in the company of the applicant. The prospect was found to be located on a prominent white quartz vein trending N. 75-80° W. and traceable for at least 750 feet. The central vein and flanking streaks and masses of quartz replacing the enclosing Belt argillaceous quartzite form rough croppings as much as 20 feet wide along the crest of a

ridge. In the upper working, a 45-foot adit driven in a few feet below the crops and 250 feet from their western termination, the central quartz vein is about four and a half feet wide. The footwall portion, possibly a foot to eighteen inches in width, contains considerable limonitic gossan and porous quartz with molds and limonite pesudomorphs of pyrite. No lead minerals were recognized from the vein in place nor from dump material. Two samples were taken from the lower half of this footwall zone by the applicants averaging 2.2 percent Pb, 0.3 percent Zn, 1.0 oz. Ag, and 0.02 oz. Au. Two samples taken in this working by Crosby, a geologist for Day Mines, are listed below:

Main vein	0.2 percent Pb	0.3 percent Zn	0.3 oz Ag
Center of vein	3.4 percent Pb	---	0.5 oz. Ag

The surface croppings were walked out but no ore minerals were recognized, although a float slab showing a thin streak of galena was found several hundred feet below the crops. Limonitic gossan and pyrite molds are present but are abundant only locally. Several shallow cuts and pits indicate that the surface croppings have been thoroughly examined.

A Brunton and tape traverse from the face of the upper working to the face of the lower adit at an altitude of 150 feet lower on the hill confirms the applicant's maps. A slightly lower average dip on the vein in the upper working indicates that the quartz vein would probably be intersected at a point 135 feet beyond the present face, a distance of 15 feet shorter than that indicated by the applicant.

Discussion

Mr. Roy, the active partner among the applicants, is a steamfitter. He has read widely of prospecting and mine discovery but does not have much practical knowledge of mining. He was strongly impressed by the prominent quartz outcrops and the oxidized pyrite, believing that valuable minerals must lie below. He did not appear to have examined either the outcrops or the upper working with much care before the present field examination.

The Big Elk Group lies within an area described by A. L. Anderson 1/.. His report does not mention this prospect, but three other prospects on northwest-trending steep quartz veins 2/ are described by him within six miles of the Big Elk Group. These have in the aggregate more than 4,000 feet of drifting along the veins without production. Anderson states 3/ "The quartz veins are most widely scattered and have been more extensively prospected than the group of replacement deposits....Because of the scant distribution of their sulphides, these veins....can not be looked upon as a favorable source of copper, lead, and zinc."

1/ Anderson, A. L., Geology and Metalliferous Deposits of Kootenai County, Idaho. Idaho Bureau of Mines and Geology, Pamphlet 53, 1940.

2/ Ibid: pp. 57-59.

3/ Ibid: p. 46.

June 8, 1951

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

Dear Mr. Weissenborn:

The first part of the week we forwarded to you 2 dockets for which ~~a~~ field examination appeared necessary. These were numbered DMA-1133 and DMA-1171. As near as we can judge, No. 1133 (Big Elk Group, Kootenai County, Idaho; Henry J. Roy) looks as though it might be worthy of approval. No. 1171 (Hardluck mine near Elliston, Montana; L. Thompson) looks to us to be a probable denial. Hence, if there is any choice in examination of this property, it could be among the later ones examined in the month, as denials do not necessarily need to be completely processed by the end of the month.

We have not forwarded DMA-1238 (Hope Silver Lead mines, Clark Fork, Idaho) and DMA-1247 (Donald D. Hanni, Moore, Idaho; Mine ~~and~~ in Alder Creek District, Custer County), as your transmittal letters on these 2 dockets state that one copy of each docket was being held in anticipation of an early field examination. I trust that these examinations have been, or will be made, as we need the information before final decision can be reached. The decision on the Hope mine should be consistent with that on the Whitedelf which we have previously sent you.

The geologic description of Hanni's prospect is so meager that little basis is available for a judgment without a field examination. The applicant's proposal appears to be a little bit haphazard.

Mrs. Romerio's application is still in too vague a form to be approved, as is, and if we interpret her application correctly, I doubt that she has the necessary funds to participate in a program costing $64,000. Half of this is $32,000 which is the amount she has indicated that she has already spent on the project and presumably she is assuming that this will be counted as her contribution. However, in accordance with regulations, no allowance can be made for funds previously spent. Otherwise all that she has is rental on one or two

items that could be allowed and the labor of one or two persons. Mrs. Romerio has not proposed a definite plan that could be carried out with such a small contribution. If the field team has time to work out a program that it is convinced she can finance, this would be the suitable way to handle her application, but I doubt if the prospects of getting a worthwhile exploration program out of her proposal would warrant making a special trip in the next two or three weeks, when the field team will be so heavily overloaded.

The preceding discussion covers field team referrals of all dockets received in this office prior to Monday morning, June 4. However, during the first 4 days of this week about 10 or 11 new applications have come in from the northwest region, most of which have been transmitted ~~to~~ to you. Some of these may have to be referred to the field, but we won't know how many until we can get them looked at over the coming weekend. They should about clean up the applications that we are trying to process by the end of June.

Very truly yours,

Otto Herres

Otto Herres, Chief
Lead-Zinc Branch

ETMCKNIGHT:amp G 6/8/51
Copies to: Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
L. B. Moon
R. H. Mote
L. F. Strobel
Tom Lyon
Directors r. file 5214 GSA
Br. r. file 4214 GSA
Files

FILE COPY
SURNAME:

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

McKnight
Mote
Kerr

Mailed to → JUN 6 1951

Re: Docket DMA-1133X
Henry J. Roy et al
Big Elk Groupe Property
Kootenai County, Idaho
Lead
Exploration loan

Mr. A. E. Weissenborn
Geological Survey
South 157 Howard Street
Spokane 8, Washington

Dear Mr. Weissenborn:

This docket is referred to the field for information and advice.

Prospect is in Kootenai County, 40 miles northeast of Coeur d'Alene, Idaho. A low grade lead-zinc vein 2½-3 feet wide, is being prospected by a crosscut that will intersect it 165 feet below the oxidized surface workings. Applicant believes that the intersection will be in primary sulfide ore. The crosscutting tunnel has advanced 170 feet and needs to go 150 feet farther to reach the objective. Cost of the project is $4,000, of which the Government is asked to advance half.

A short field examination is needed to see if the facts are as represented in the application, and particularly to see if the applicant's geologic interpretation is correct so that he can be reasonably sure of intersecting the vein in the distance indicated and with the funds asked.

Very truly yours,

Tom Lyon

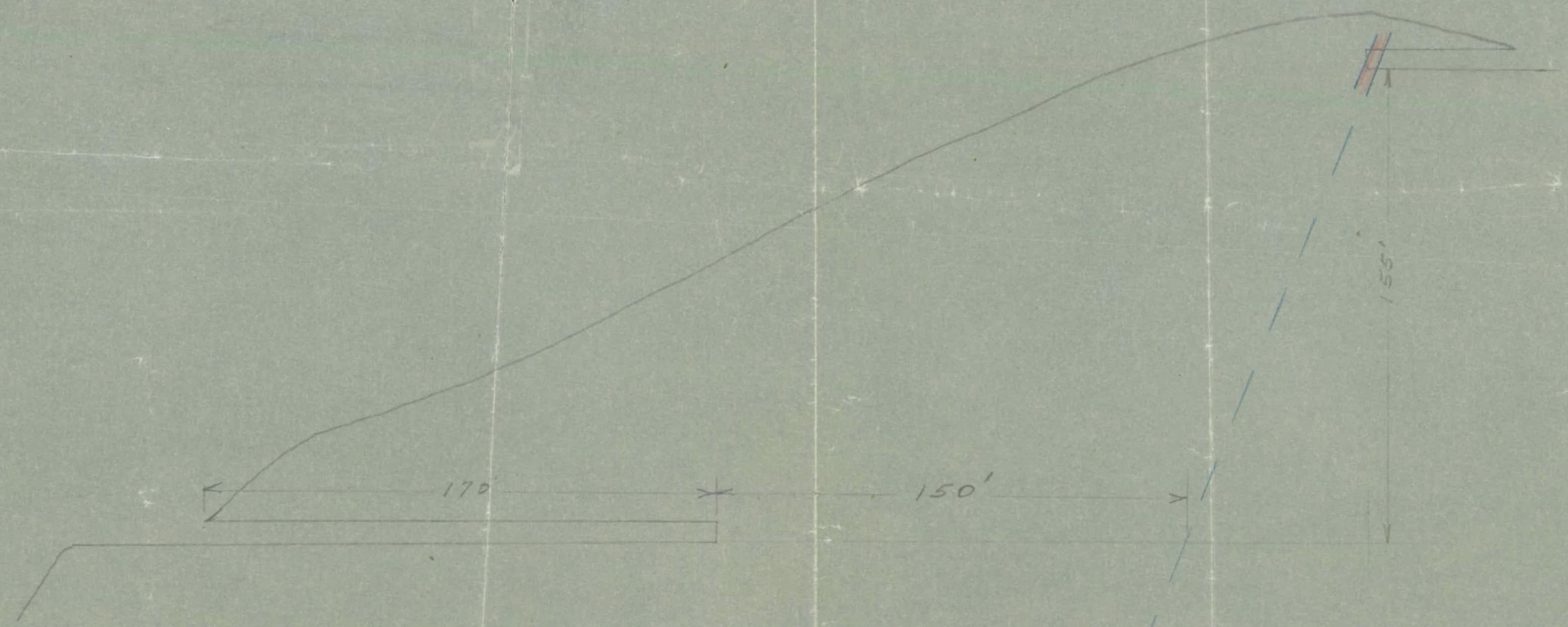
Tom Lyon
Chairman
Coordinating Committee

ETMcKNIGHT:emp
G 6/5/51

Lowell B. Moon
for the Bureau of Mines

Olaf N. Rove
for the Geological Survey

Copies to: Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
L. B. Moon
R. H. Mote
L. F. Strobel
Tom Lyon
Adm. file
Directors reading file 4214 GSA
Br. reading file 4214 GSA



Vertical Cross Section of
Big Elk Vein and Cross Cuts
Showing Proposed Development Work
Scale 1" = 50'

Dma-11333X

Plan of
BIG ELK GROUP
Kootenai Co. Idaho
Scale 1" = 50'

Dma-1133X

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

June 26, 1951

Memorandum

To: Otto Herres, Chief
Lead-Zinc Branch
Defense Minerals Administration
Department of Interior
Washington 25, D. C.

Through: L. F. Strobel

From: Field Team, Region II

Subject: Big Elk Group, Kootonai County, Idaho
Docket DMA 1133 X

On the basis of the attached report by W. B. Myers, U.S.G.S., the Field Team recommends that the exploration contract for the Big Elk Group be denied.

Field Team, Region II

A. E. Weissenborn, Exec. Officer
(U. S. Geological Survey)

M. E. Volin, Member
(U. S. Bureau of Mines)

Enclosures

cc: U.S. Bur. Mines
Spokane, Wash.

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

June 26, 1951

A. E. C.

Memorandum

To: Otto Herres, Chief
Lead-Zinc Branch
Defense Minerals Administration
Department of Interior
Washington 25, D. C.

Through: L. F. Strobel

From: Field Team, Region II

Subject: Big Elk Group, Kootenai County, Idaho
Docket DMA 1133 X

On the basis of the attached report by W. B. Myers, U.S.G.S., the Field Team recommends that the exploration contract for the Big Elk Group be denied.

Field Team, Region II

A. E. Weissenborn, Exec. Officer
(U. S. Geological Survey)

M. E. Volin, Member
(U. S. Bureau of Mines)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 29 1951
LARBON F. STROBEL
Executive Secretary

Enclosures

cc: U.S. Bur. Mines
Spokane, Wash.

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

June 26, 1951

Memorandum

To: Otto Herres, Chief
Lead-Zinc Branch
Defense Minerals Administration
Department of Interior
Washington 25, D.C.

Through: L. F. Strobel

From: Field Team, Region II

Subject: Big Elk Group, Kootenai County, Idaho
Docket DMA 1133 X

On the basis of the attached report by W. B. Myers, U.S.G.S., the Field Team recommends that the exploration contract for the Big Elk Group be denied.

Field Team, Region II

A. E. Weissenborn, Exec. Officer
(U. S. Geological Survey)

M. E. Volin, Member
(U. S. Bureau of Mines)

Enclosure

cc: U.S. Bur. Mines
Spokane, Wash.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 29 1951
LANDON F. STROBEL
Executive Secretary

JUL 2 1951

5

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

So. 157 Howard Street
Spokane 4, Washington

June 26, 1951

Memorandum

To: DMA, Field Team, Region II

From: W. Bradley Myers, Geologist, U.S.G.S.

Subject: Docket DMA 1133 X
Henry J. Roy, et al
Big Elk Group Property
Kootenai County, Idaho
Lead
Exploration loan

Recommendations

It is recommended the application of Henry J. Roy for an exploration loan on the Big Elk Group of claims be denied. Field examination suggests that the mineralization of the exposed vein is not sufficiently strong to warrant further exploration.

Summary of Field Examination

Field examination was made of the property on June 19 in the company of the applicant. The prospect was found to be located on a prominent white quartz vein trending N. 75-80° W. and traceable for at least 750 feet. The central vein and flanking streaks and masses of quartz replacing the enclosing Belt argillaceous quartzite form rough croppings as much as 20 feet wide along the crest of a

ridge. In the upper working, a 45-foot adit driven in a few feet below the crops and 200 feet from their western termination, the central quartz vein is about four and a half feet wide. The footwall portion, possibly a foot to eighteen inches in width, contains considerable limonitic gossan and porous quartz with molds and limonite pseudomorphs of pyrite. No lead minerals were recognized from the vein in place nor from dump material. Two samples were taken from the lower half of this footwall zone by the applicants averaging 2.2 percent Pb, 0.3 percent Zn, 1.0 oz. Ag, and 0.03 oz. Au. Two samples taken in this working by Crosby, a geologist for Day Mines, are listed below:

Main vein	0.2 percent Pb	0.3 percent Zn	0.3 oz Ag
Center of vein	3.4 percent Pb	---	0.5 oz. Ag

The surface croppings were walked out but no ore minerals were recognized, although a float slab showing a thin streak of galena was found several hundred feet below the crops. Limonitic gossan and pyrite molds are present but are abundant only locally. Several shallow cuts and pits indicate that the surface croppings have been thoroughly examined.

A Brunton and tape traverse from the face of the upper working to the face of the lower adit at an altitude of 120 feet lower on the hill confirms the applicant's maps. A slightly lower average dip on the vein in the upper working indicates that the quartz vein would probably be intersected at a point 135 feet beyond the present face, a distance of 15 feet shorter than that indicated by the applicant.

Discussion

Mr. Roy, the active partner among the applicants, is a steamfitter. He has read widely of prospecting and mine discovery but does not have much practical knowledge of mining. He was strongly impressed by the prominent quartz outcrops and the oxidized pyrite, believing that valuable minerals must lie below. He did not appear to have examined either the outcrops or the upper working with much care before the present field examination.

The Big Elk Group lies within an area described by A. L. Anderson 1/. His report does not mention this prospect, but three other prospects on northwest-trending steep quartz veins 2/ are described by him within six miles of the Big Elk Group. These have in the aggregate more than 4,000 feet of drifting along the veins without production. Anderson states 3/ "The quartz veins are most widely scattered and have been more extensively prospected than the group of replacement deposits....Because of the scant distribution of their sulphides, these veins....can not be looked upon as a favorable source of copper, lead, and zinc."

1/ Anderson, A. L., Geology and Metalliferous Deposits of Kootenai County, Idaho. Idaho Bureau of Mines and Geology, Pamphlet 53, 1940.

2/ Ibid: pp. 57-59.

3/ Ibid: p. 46.

FILE COPY
SURNAME:

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

McKnight
Mote
Herres
Wagon
Lyon

JUN 6 1951

June 5, 1951

Re: Docket DMA-1133X

Mr. Henry J. Roy
1632 West 11th Street
Los Angeles, California

Dear Mr. Roy:

Your application (Docket DMA-1133X) for a Government loan under the provisions of the Defense Production Act of 1950 has been reviewed by the Lead-Zinc Branch of the Defense Minerals Administration. Before final decision can be taken on your request it will be necessary to obtain additional information on your property. Your application, therefore, has been referred to Mr. A. E. Weissenborn, Executive Officer of the Field Team, South 157 Howard Street, Spokane 8, Washington, with the request that the needed information be supplied to us.

Very truly yours,

Tom Lyon, Director
Supply Division

ETMcKNIGHT:emp
G 6/5/51
Copies to: A. E. Weissenborn
Region II (2)
Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
L. B. Moon
R. H. Mote
L. F. Strobel
Tom Lyon

Directors r. file 4214 GSA
Br. reading file 4214 GSA
Adm. file
Files

FILE COPY
SURNAME:

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

May 10, 1951

Mr. Henry J. Roy
1632 West Eleventh Street
Los Angeles, California

Subject: DMA-1133 X
Re: Exploration Loan
Big Elk Groupe Property
(Idaho)

My dear Mr. Roy:

Receipt is acknowledged of your application and attachments of May 1, 1951 for a Government loan under the Defense Production Act of 1950.

The application was assigned Docket Number 1133 X and referred to Mr. Otto Herres, Chief, Lead-Zinc Branch, on May 9, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1133 X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:aec
cc: Strobel-2
Files
Mr. Herres
Mr. Lyon

Mr. Stewart
~~VANDON F. STROBEL~~
Dma-1133X

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane, Washington

May 2, 1951

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

Dear Mr. Strobel:

Enclosed in quadruplicate you will find completed Forms MF-103 from Messrs. Henry J. Roy, Edwin A. Harper, and John S. Stout in connection with the Big Elk Groupe property, Kootenai County, Idaho.

Very truly yours,

A E Weissenborn

A. E. Weissenborn
Executive Officer, DMA
Field Team, Region II

Enclosures

MAY 9 1951

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-1133 X

Date received 5/7/51

Participation

Roy, Henry J.
Harper, Edwin A.
Stout, John S.

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application May 1, 1951

Estimated cost

Mineral or metal Lead

Percentage of Government participation

Location of mine Situated in sections 6, 7 and 8, T 51 N, R 1 E.B.M., Kootenai County, Idaho

Date of filing MF-100 None

DMA Docket Number, if available Dma-1133 X

INSTRUCTIONS

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

THE APPLICANT

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

*2. If a partnership, state names and addresses of partners. See Appendix A.

*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. See Appendix B.

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

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

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

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. None

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)? $2,000.00

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

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. See Appendix C.
(*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. Big Elk group.

*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. See Appendix D.

*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. See Appendix E.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. See Appendix F.

15. State in detail how the ore could be shipped and how and where milled. See Appendix G.

*16. History: See Appendix H.
(*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: None
(*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? Lead Ore.

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. See Appendix I.

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. See map.

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: See Appendix J.
(*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. See Appendix K.

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.

Big Elk Groupe (Name of company) By Henry J. Foy (Signature of authorized official)

May-1-1951 (Date) Partner (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

A P P E N D I X

A. John S. Stout, 1/4 interest
State Home
Orofino, Idaho
Legal Guardian:

_____

_____

Edwin A. Harper, 1/8 interest
c/o Idaho Lumber Company
Wallace, Idaho

Henry J. Roy, 5/8 interest
1632 West 11th Street
Los Angeles, California
Rte 15

B. Property will be managed by Mr. Roy, with exploration work under immediate supervision of a competent geologist and engineer.

C. Property descriptions (a) and (b) are for same area. Unpatented mining claims located in Sections 6, 7 and 8, Township 51 North, Range 1 E.B.M., more particularly described as follows:

The following mining claims situated in Sections 6 and part of Sections 7 and 8 Township 51 North Range 1 E.B.M. to-wit:

Big Elk No. 1
Big Elk No. 2
Big Elk No. 3
Big Elk No. 4
Big Elk No. 5
Big Elk No. 6
Big Elk No. 7
Big Elk No. 8.

D. This property is located approximately forty miles northeast of the city of Coeur d'Alene, Idaho by way of good to fair graveled county and U. S. Forest Service roads. Similar roads are available for transportation of ore to the smelter at Kellogg, Idaho, approximately thirty miles southeast of the property. At this time no effort is made to keep these roads open in winter but other mines in the area customarily operate throughout the year with little difficulty. It is assumed, therefore, that access roads to this mine would also be usable all year provided the exploration program is successful.

Because of the proximity of mine to smelter, rail transportation is not considered.

E. Water for mining and milling purposes can be adequately supplied from U. S. Creek and Big Elk Creek, both of which cross the property. The combined flow at summer low water period, while not yet measured, probably exceeds twenty cubic feet per second. This is ample water for a moderately sized operation.

Power requirements are unknown at this time but will be small. Such as will be needed will be supplied by gasoline engines.

F. Improvements on the property consist of:

1	16'x16' log cabin - usable after repair
1	1-ton capacity mine car
160'	12# steel rail
1	6"x6" single cylinder air compressor - not usable
1	"Buick" gasoline engine - not usable
	Miscellaneous hand tools

G. Should exploration prove ore to be available, it will be trucked to Kellogg, Idaho and sold to the Bunker Hill Mining and Smelting Company. As ore reserves are expanded, milling facilities will be established at a mill site on Big Elk Creek immediately below the mine.

NON-PRIVILEGED DOCUMENT

TO BE PHOTOCOPIED AND PRODUCED

DO NOT CODE

BATES NO. 0421

H. (a) No commercial production has been recorded from this mine. Development work to date consists of two crosscut adits. The upper, or discovery adit, was driven in 1939 by F. R. McPherson and J. S. Stout and intersects the vein at 45 feet from the portal. Subsequent drifting exposed the oxidized vein over a length of seventeen feet where it averages 2½ to 3 feet wide, 0.3% zinc, 2.2% lead, 1.0 oz. silver and 0.02 oz. gold. The lower adit was begun in 1942 by Mr. Stout. Mr. H. J. Roy obtained an interest in the property in 1944 and has since advanced this crosscut to a point 170 feet from the portal. Mr. Roy plans to extend the adit to the vein, a distance calculated to be 150 feet. This intersection will occur nearly 165 feet directly down dip from the discovery and is expected to expose sulfide ore.

Withhold last 2 pages [i.e. numbered pages 4+5]

(b) The several prospects in the vicinity have no production record.

(c) No investigations have been made.

I. The work proposed in continuing exploration of the property may be divided into two parts:

(a) Completion of the lower crosscut tunnel (see map) is considered to be the first objective. This will indicate extent of surface oxidation, the type of mineralization to be expected and, locally, the width and grade of ore contained in the vein if unoxidized.

(b) Bulldozer trenching of the surface will be undertaken to explore extensions of the vein laterally as well as to determine if other veins are present.

All proposed work can be completed within six months after start of operations.

J. The work listed above under item (a) will be contracted for at the rate of $20.00 per linear foot of 7'x5' crosscut. Contractors will furnish all necessary equipment and supplies. The required footage, or 150 feet at the $20.00 rate, will cost $3000.00.

The work listed under (b) above will be accomplished by a bulldozer and operator hired at a rate of $10.00 per hour. The work planned will cost approximately $500.00, including travel time and allowance for contingencies.

Supervisory costs, including cost of technical assistance, sampling, assaying and legal expenses, are estimated at approximately $400.00.

Miscellaneous expenses are set at $50.00.

K. Time schedule of exploration after approval:

At end of first month:		
All bulldozer work will be completed	$ 500.00	
The crosscut will have been advanced 60 feet	1200.00	
Prorated supervisory and miscellaneous costs	225.00	
Month's total expenditure, ...		$1925.00
At end of second month:		
Proposed crosscut will be completed, 90 feet	$1800.00	
Prorated supervisory and miscellaneous costs	225.00	
Month's expenditure, ...		$2025.00
Total Expenditure, ...		$3950.00

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-1133 X

Date received 5/7/51

Participation

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application May 1, 1951

Estimated cost

Mineral or metal Lead

Percentage of Government participation

Location of mine Situated in sections 6, 7 and 8, T 51 N, R 1 E.B.M., Kootenai County, Idaho

Date of filing MF-100 None

DMA Docket Number, if available Dma-1133 X

INSTRUCTIONS

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

THE APPLICANT

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

*2. If a partnership, state names and addresses of partners. See Appendix A.

*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. See Appendix B.

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

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

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

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. None

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)? $2,000.00

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

16—64067-1

MAY 9 1951 P

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. See Appendix C.

(*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. Big Elk group.

*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. See Appendix D.

*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. See Appendix E.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. See Appendix F.

15. State in detail how the ore could be shipped and how and where milled. See Appendix G.

*16. History: See Appendix H.

(*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: None

(*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? Lead Ore.

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. See Appendix I.

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. See map.

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: See Appendix J.

(*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. See Appendix K.

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.

Big Elk Group (Name of company) By Henry A. Fry (Signature of authorized official)

May-1-1957 (Date) Partner (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

A P P E N D I X

A. John S. Stout, 1/4 interest
State Home
Orofino, Idaho
Legal Guardian:

Edwin A. Harper, 1/8 interest
c/o Idaho Lumber Company
Wallace, Idaho

Henry J. Roy, 5/8 interest
1632 West 11th Street
Los Angeles, California
Rte 15

B. Property will be managed by Mr. Roy, with exploration work under immediate supervision of a competent geologist and engineer.

C. Property descriptions (a) and (b) are for same area. Unpatented mining claims located in Sections 6, 7 and 8, Township 51 North, Range 1 E.B.M., more particularly described as follows:

The following mining claims situated in Sections 6 and part of Sections 7 and 8 Township 51 North Range 1 E.B.M. to-wit:

Big Elk No. 1
Big Elk No. 2
Big Elk No. 3
Big Elk No. 4
Big Elk No. 5
Big Elk No. 6
Big Elk No. 7
Big Elk No. 8.

D. This property is located approximately forty miles northeast of the city of Coeur d'Alene, Idaho by way of good to fair graveled county and U. S. Forest Service roads. Similar roads are available for transportation of ore to the smelter at Kellogg, Idaho, approximately thirty miles southeast of the property. At this time no effort is made to keep these roads open in winter but other mines in the area customarily operate throughout the year with little difficulty. It is assumed, therefore, that access roads to this mine would also be usable all year provided the exploration program is successful.

Because of the proximity of mine to smelter, rail transportation is not considered.

E. Water for mining and milling purposes can be adequately supplied from U. S. Creek and Big Elk Creek, both of which cross the property. The combined flow at summer low water period, while not yet measured, probably exceeds twenty cubic feet per second. This is ample water for a moderately sized operation.

Power requirements are unknown at this time but will be small. Such as will be needed will be supplied by gasoline engines.

F. Improvements on the property consist of:

1	16'x18' log cabin - usable after repair
1	1-ton capacity mine car
160'	12# steel rail
1	6"x6" single cylinder air compressor - not usable
1	"Buick" gasoline engine - not usable
	Miscellaneous hand tools

G. Should exploration prove ore to be available, it will be trucked to Kellogg, Idaho and sold to the Bunker Hill Mining and Smelting Company. As ore reserves are expanded, milling facilities will be established at a mill site on Big Elk Creek immediately below the mine.

NON-PRIVILEGED DOCUMENT

TO BE PHOTOCOPIED AND PRODUCED

DO NOT CODE

BATES NO. 0421

H. (a) No commercial production has been recorded from this mine. Development work to date consists of two crosscut adits. The upper, or discovery adit, was driven in 1939 by F. R. McPherson and J. S. Stout and intersects the vein at 45 feet from the portal. Subsequent drifting exposed the oxidized vein over a length of seventeen feet where it averages 2½ to 3 feet wide, 0.3% zinc, 2.2% lead, 1.0 oz. silver and 0.02 oz. gold. The lower adit was begun in 1942 by Mr. Stout. Mr. H. J. Roy obtained an interest in the property in 1944 and has since advanced this crosscut to a point 170 feet from the portal. Mr. Roy plans to extend the adit to the vein, a distance calculated to be 150 feet. This intersection will occur nearly 165 feet directly down dip from the discovery and is expected to expose sulfide ore.

Withhold pages numbered 4+5

(b) The several prospects in the vicinity have no production record.

(c) No investigations have been made.

I. The work proposed in continuing exploration of the property may be divided into two parts:

(a) Completion of the lower crosscut tunnel (see map) is considered to be the first objective. This will indicate extent of surface oxidation, the type of mineralization to be expected and, locally, the width and grade of ore contained in the vein if unoxidized.

(b) Bulldozer trenching of the surface will be undertaken to explore extensions of the vein laterally as well as to determine if other veins are present.

All proposed work can be completed within six months after start of operations.

J. The work listed above under item (a) will be contracted for at the rate of $20.00 per linear foot of 7'x5' crosscut. Contractors will furnish all necessary equipment and supplies. The required footage, or 150 feet at the $20.00 rate, will cost $3000.00.

The work listed under (b) above will be accomplished by a bulldozer and operator hired at a rate of $10.00 per hour. The work planned will cost approximately $500.00, including travel time and allowance for contingencies.

Supervisory costs, including cost of technical assistance, sampling, assaying and legal expenses, are estimated at approximately $400.00.

Miscellaneous expenses are set at $50.00.

K. Time schedule of exploration after approval:

At end of first month:		
All bulldozer work will be completed	$ 500.00	
The crosscut will have been advanced 60 feet	1200.00	
Prorated supervisory and miscellaneous costs	225.00	
Month's total expenditure, ...		$1925.00
At end of second month:		
Proposed crosscut will be completed, 90 feet	$1800.00	
Prorated supervisory and miscellaneous costs	225.00	
Month's expenditure, ...		$2025.00
Total Expenditure, ...		$3950.00

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-1133X

Date received 5/7/51

Participation

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application May 1, 1951

Estimated cost

Mineral or metal Lead

Percentage of Government participation

Location of mine Situated in sections 6, 7 and 8, T 51 N, R 1 E.B.M., Kootenai County, Idaho

Date of filing MF-100 None

DMA Docket Number, if available Dma-1133X

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? Partnership

*2. If a partnership, state names and addresses of partners. See Appendix A.

*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. See Appendix B.

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

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

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

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. None

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)? $2,000.00

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

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. See Appendix C.

(*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. Big Elk group.

*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. See Appendix D.

*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. See Appendix E.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. See Appendix F.

15. State in detail how the ore could be shipped and how and where milled. See Appendix G.

*16. History: See Appendix H.

(*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: None

(*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? Lead Ore.

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. See Appendix I.

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. See map.

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: See Appendix J.

(*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. See Appendix K.

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.

Big Elk Groups (Name of company) By Henry J. Roy (Signature of authorized official)

May 1 1951 (Date) Partner (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

A P P E N D I X

A. John S. Stout, 1/4 interest
State Home
Orofino, Idaho
Legal Guardian:

_____

_____

Edwin A. Harper, 1/8 interest
c/o Idaho Lumber Company
Wallace, Idaho

Henry J. Roy, 5/8 interest
1632 West 11th Street
Los Angeles, California
Rte 15

B. Property will be managed by Mr. Roy, with exploration work under immediate supervision of a competent geologist and engineer.

C. Property descriptions (a) and (b) are for same area. Unpatented mining claims located in Sections 6, 7 and 8, Township 51 North, Range 1 E.B.M., more particularly described as follows:

The following mining claims situated in Sections 6 and part of Sections 7 and 8 Township 51 North Range 1 E.B.M. to-wit:

Big Elk No. 1
Big Elk No. 2
Big Elk No. 3
Big Elk No. 4
Big Elk No. 5
Big Elk No. 6
Big Elk No. 7
Big Elk No. 8.

D. This property is located approximately forty miles northeast of the city of Coeur d'Alene, Idaho by way of good to fair graveled county and U. S. Forest Service roads. Similar roads are available for transportation of ore to the smelter at Kellogg, Idaho, approximately thirty miles southeast of the property. At this time no effort is made to keep these roads open in winter but other mines in the area customarily operate throughout the year with little difficulty. It is assumed, therefore, that access roads to this mine would also be usable all year provided the exploration program is successful.

Because of the proximity of mine to smelter, rail transportation is not considered.

E. Water for mining and milling purposes can be adequately supplied from U. S. Creek and Big Elk Creek, both of which cross the property. The combined flow at summer low water period, while not yet measured, probably exceeds twenty cubic feet per second. This is ample water for a moderately sized operation.

Power requirements are unknown at this time but will be small. Such as will be needed will be supplied by gasoline engines.

F. Improvements on the property consist of:

1	16'x16' log cabin - usable after repair
1	1-ton capacity mine car
160'	12# steel rail
1	6"x6" single cylinder air compressor - not usable
1	"Buick" gasoline engine - not usable
	Miscellaneous hand tools

G. Should exploration prove ore to be available, it will be trucked to Kellogg, Idaho and sold to the Bunker Hill Mining and Smelting Company. As ore reserves are expanded, milling facilities will be established at a mill site on Big Elk Creek immediately below the mine.

H. (a) No commercial production has been recorded from this mine. Development work to date consists of two crosscut adits. The upper, or discovery adit, was driven in 1939 by F. R. McPherson and J. S. Stout and intersects the vein at 45 feet from the portal. Subsequent drifting exposed the oxidized vein over a length of seventeen feet where it averages 2½ to 3 feet wide, 0.3% zinc, 2.2% lead, 1.0 oz. silver and 0.02 oz. gold. The lower adit was begun in 1942 by Mr. Stout. Mr. H. J. Roy obtained an interest in the property in 1944 and has since advanced this crosscut to a point 170 feet from the portal. Mr. Roy plans to extend the adit to the vein, a distance calculated to be 150 feet. This intersection will occur nearly 165 feet directly down dip from the discovery and is expected to expose sulfide ore.

(b) The several prospects in the vicinity have no production record.

(c) No investigations have been made.

I. The work proposed in continuing exploration of the property may be divided into two parts:

(a) Completion of the lower crosscut tunnel (see map) is considered to be the first objective. This will indicate extent of surface oxidation, the type of mineralization to be expected and, locally, the width and grade of ore contained in the vein if unoxidized.

(b) Bulldozer trenching of the surface will be undertaken to explore extensions of the vein laterally as well as to determine if other veins are present.

All proposed work can be completed within six months after start of operations.

J. The work listed above under item (a) will be contracted for at the rate of $20.00 per linear foot of 7'x5' crosscut. Contractors will furnish all necessary equipment and supplies. The required footage, or 150 feet at the $20.00 rate, will cost $3000.00.

The work listed under (b) above will be accomplished by a bulldozer and operator hired at a rate of $10.00 per hour. The work planned will cost approximately $500.00, including travel time and allowance for contingencies.

Supervisory costs, including cost of technical assistance, sampling, assaying and legal expenses, are estimated at approximately $400.00.

Miscellaneous expenses are set at $50.00.

K. Time schedule of exploration after approval:

At end of first month:		
All bulldozer work will be completed	$ 500.00	
The crosscut will have been advanced 60 feet	1200.00	
Prorated supervisory and miscellaneous costs	225.00	
Month's total expenditure, ...		$1925.00
At end of second month:		
Proposed crosscut will be completed, 90 feet	$1800.00	
Prorated supervisory and miscellaneous costs	225.00	
Month's expenditure, ...		$2025.00
Total Expenditure, ...		$3950.00