DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

## CONTROLLED DOCUMENT

DMA Docket No. ~~1872~~

## 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.

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Routing Slip

| | | | |
|---|---|---|---|
| To: | Manganese Br. | Date | 7-24-51 |
| To: | 4565 | Date | 8-1-51 |
| To: | Director, Supp. Div. | Date | 10/26/51 |
| To: | Reports and Records | Date | OCT 30 1951 |
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## DO NOT DETACH

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## CONTROLLED DOCUMENT

DMA Form 2

DEFENSE MINERALS ADMINISTRATION
Status Change Notice

DMA Docket No. 1872

To: Reports and Records Branch

From: Ferro-Alloys Branch

Date: October 26, 1951

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

Forwarded to Reports and Records Unit, Through: Director, Supply Division

Type of request changed to:

Denied ☐ Withdrawn ☐

Approved in amount of $

Other action, specify:

NON METALLICS BR.

OFFICIAL FILE COPY

| To | Initials | Date |
|---|---|---|
| | | |
| | | |
| | | |
| 210 | | |

Franklin
North Carolina
Nov. 1, 1951

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

DEPARTMENT OF THE
Defense Minerals Administration
RECEIVED
NOV 6 1951

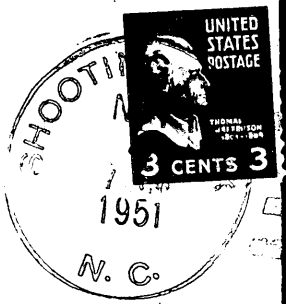
Dear Mr. Lyon:

Please refer to DMA - 1872X, Manganese. Your letter of October 30 received today. I don't understand what you mean by your not finding likelihood of any commercial ore. Of course I don't know what kind of a report Mr. Teague turned in. This property never has been mined at any time, but there is a vein showing 18 feet wide. Also on top of the ground there is one place the ore crops out 3 feet wide and dips into the ground. On the East side of the deposit 500 yards away, I have cut across the vein there.

It looks to me like there has been a bad mistake in the examination

of this property. I have had
General Engineers examine this
property. They believe it is one
of the best prospects for a
large deposit of high grade
manganese ore anywhere in the
country. It assays 56.25%.
Would like to have this property
re-examined again.

Yours very truly,
B. C. Munday




Mr. Tom Lyon
Supply Division
Defense Minerals Adm
U. S. Department of Interior
Washington, D.C.

B.C. Munday
Franklin, N.C.

340

FILE COPY
SURNAME:

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

a.e.c

Holderer
Jacoby

OCT 30 1951

Memorandum

To: Reports and Records Unit

Through: Director, Supply Division

From: Chief, Ferro-Alloys Branch

Subject: Mr. B. C. Munday
Franklin
Mason County, North Carolina
DMA-1372X- Manganese
Exploration Loan-$3,700

Property: 11 miles east
Hayesville, Clay County,
North Carolina

Conclusion:

The applicant has completely misrepresented the size of the property. The field team refers to the applicant's vein "ten feet deep" as a streak. The material is high-grade pyrolusite, but there is no indication of any commercial ore.

Recommendation: Application is denied.

not stripped in R.V.R.

George B. Holderer

George B. Holderer
Chief, Ferro-Alloys Branch

Attachments

Approved:

CHJAcoby:ll 10/26/51
CC: DMA Docket File
Adm. Reading File
Mr. Holderer
Field Team, Region VII

Tom Lyon

Director, Supply Division

340
FILE COPY
SURNAME:

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

OCT 30 1951

Holderer
Jacoby

Mr. B. C. Munday
Franklin
Mason County, North Carolina

In reply please refer to
DMA-1872X, Manganese

a. E. e

Dear Mr. Munday:

The Defense Minerals Administration has examined your proposed exploration project. We find no likelihood of any commercial ore being produced. Therefore, your application is denied.

Enclosed herewith are the documents you have requested returned.

1-Letter from E. J. Lavino dated 6/15/51

2-Letter from Tennessee Products & Chemical Co. dated 7/27/51

3-Assay report by Tennessee Products & Chemical Co.

Very truly yours,

Tom Lyon
Tom Lyon, Director
Supply Division

8 7 10/30

Enclosures

CHJacoby:ll 10/26/51
CC: DMA Docket File
Adm. Reading File
Mr. Holderer
F. T. Region VII

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

OCT 30 1951

Memorandum

To: Reports and Records Unit

Through: Director, Supply Division

From: Chief, Ferro-Alloys Branch

Subject: Mr. B. C. Munday
Franklin
Mason County, North Carolina
DMA-1872X- Manganese
Exploration Loan-$3,700

Property: 11 miles east
Hayesville, Clay County,
North Carolina

Conclusion:

The applicant has completely misrepresented the size of the property. The field team refers to the applicant's vein "ten feet deep" as a streak. The material is high-grade pyrolusite, but there is no indication of any commercial ore.

Recommendation: Application is denied.

George B. Holderer
Chief, Ferro-Alloys Branch

Attachments

Approved:

Director, Supply Division

Index of File to Reports and Records Unit
DMA -1827X

1 Copy memo to Lyons from Field Team dated 10/16/51
1 Copy Report by Field Team dated 10/9/51
1 Copy letter to Munday from Holderer dated 10/8/51
1 Copy letter to Lyons from Bech dated 10/3/51
1 Copy letter to Holderer from Munday dated 10/1/51
1 Copy letter to Munday from Holderer dated 10/1/51
1 Copy letter to Laurence from Lyon dated 10/1/51
1 Copy letter to Munday from Lyon dated 10/1/51
1 Copy letter to Holderer from Munday dated 8/27/51
1 Copy letter to Munday from Holderer dated 8/9/51
1 Copy letter to Munday from Strobel dated 7/25/51
3 Copies MF-103 with attached sheets
3 Copies MF-100

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Room 13, Post Office Building
Knoxville, Tennessee

DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D.C.
OCT 18 8 45 AM '51

October 16, 1951

Memorandum

To: Tom Lyon, Chairman, Coordinating Committee

From: Executive Officer, DMA Field Team, Region VII

Subject: DMA-1872X, B.C. Munday and John Ledford, North Carolina

Transmitted herewith are four copies of Field Examination report on subject application. The Field Team concurs in this recommendation for denial. We return herewith the file on this application.

The applicant has requested that the following be returned to him:

1. Letter 8/15/51, E.J. Lavino Co., to B. C. Munday
2. Letter 7/27/51, Tennessee Products & Chemical Corp., to B. C. Munday. (Price schedule).
3. Copy of assay report dated 7/5/51, by Tenn. Products & Chemical Corp.

Will you please have them returned to him?

Robert A. Laurence

Robert A. Laurence,
U. S. Geological Survey

Wm. A. Beck

Wm. A. Beck, for V.J. Lynch
U. S. Bureau of Mines

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.
OCT 18 8 45 AM '51

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

# DEFENSE MINERALS ADMINISTRATION
# REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMA-1872X
Munday - Ledford Mine
Clay County, N. C.

By

Kefton H. Teague, Geologist
U.S. Geological Survey
and
A. L. Peyton, Mining Engineer
U. S. Bureau of Mines

October 9, 1951

Report of Field Examination on the

MUNDAY-LEDFORD MINE -Manganese

DMA-1872K
Clay County, North Carolina

This prospect is located along the north side of Shooting Creek, 11 miles east of Hayesville, Clay County, North Carolina. A crosscut about 75-feet long has been driven in a northerly direction from the creek bank. The crosscut is in garnitifereous mica schist, whose schistosity trends N 46° E, dipping 70° southeast. Fractures and joint planes in the schist are stained with manganese oxide.

At a point about 20-feet from the portal of the crosscut, a streak of rather high grade pyrolusite occurs. This streak will not exceed three-inches in thickness; it is discontinuous along both strike and dip. Apparently the high-grade manganese ore has resulted from re-deposition of manganese resulting from the weathering of manganese bearing garnet.

The applicants have completely misrepresented the size of the occurrence. It is very local in nature.

There is no evidence at this place to indicate a commercial ore-body, therefore, the Field Team recommends that the loan requested be refused.

October 9, 1951

Kefton H. Teague, US.G.S.
A.L. Peyton, USBM.

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.
OCT 18 8 45 AM '51

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

DEFENSE MINERALS ADMINISTRATION
REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMA-1872X
Munday - Ledford Mine
Clay County, N. C.

By

Kefton H. Teague, Geologist
U.S. Geological Survey
and
A. L. Peyton, Mining Engineer
U. S. Bureau of Mines

October 9, 1951

Report of Field Examination on the

HONAWELL DEVEREUX MINE -Manganese

DMA-1872X
Clay County, North Carolina

This prospect is located along the north side of Shooting Creek, 11 miles east of Hayesville, Clay County, North Carolina. A crosscut about 75-feet long has been driven in a northerly direction from the creek bank. The crosscut is in garnitiferous mica schist, whose schistosity trends N 16° E, dipping 70° southeast. Fractures and joint planes in the schist are stained with manganese oxide.

At a point about 20-feet from the portal of the crosscut, a streak of rather high grade pyrolusite occurs. This streak will not exceed three-inches in thickness; it is discontinuous along both strike and dip. Apparently the high-grade manganese ore has resulted from re-deposition of manganese resulting from the weathering of manganese bearing garnet.

The applicants have completely misrepresented the size of the occurrence. It is very local in nature.

There is no evidence at this place to indicate a commercial ore-body, therefore, the Field Team recommends that the loan requested be refused.

October 1, 1951

Nelson G. Hague, Jr. G.S.
F.L. Dayton, USBM.

FILE COPY
SURNAME:

Holderer
Jacoby

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

OCT 8 1951

a. E. C.

Mr. B. C. Munday
Franklin
Mason County
North Carolina

In reply please refer to
DMA-1872

Dear Mr. Munday:

In reply to your letter of October 1, 1951, we wish to advise you that the letters and assays which you refer to have been sent to the field. We suggest that you contact the field team when they visit your property and ask them to return the documents to you. If you will copy them and give us the copies we would appreciate it.

Very truly yours,

George B. Holderer

10-9

George B. Holderer
Chief, Manganese Branch

CHJacoby:ll 10/8/51
CC: DMA Docket File
Adm. Reading File
Mr. Holderer
Field Team, Region VII

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
Room 13, Post Office Building
Knoxville 2, Tennessee

3 to

October 3, 1951

Mr. Tom Lyon
Chairman, Coordinating Committee
Defense Minerals Administration
Department of the Interior
Washington 25, D. C.

Re: B. C. Munday and John Ledford
Munday-Ledford Mine
Docket DMA-1872, Manganese

Dear Mr. Lyon:

This will acknowledge receipt, on this date, of docket DMA-1872, Manganese, for Mr. B. C. Munday and John Ledford. It is noted that you desire the field team to examine the property with Mr. Munday and Mr. Ledford to determine whether interpretation is correct and also to determine the quantities of high grade ore which might be available. Examination will be made in the near future to ascertain the desired information.

Very truly yours,

Wm. A. Beck for R. A. Laurence
Executive Officer, DMA Field Team
Region VII

270

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D.C.

OCT 3 3 58 PM '51

Franklin
North Carolina
October 1, 1951

Mr. George B. Holderer
Defense Minerals Adm.
U.S. Dept. of Interior
Washington, D.C.

Dear Mr. Holderer:

Please refer to my file DMA 1872. In my last letter to you I enclosed some letters and assay reports. I am in need of these assay reports and letters now very badly and would appreciate your returning them to me at your earliest convenience. If you wish you could make copies of them and return the originals to me. Of course I would like to hear something in regard to my loan. I have seven deposits of manganese ore now altogether and am very anxious to get them opened up and on the market.

Yours truly,
B.C. Munday

OCT 1 1951

Mr. B. C. Munday
Franklin
Mason County
North Carolina

In reply please refer to
DMA-1872

Dear Mr. Munday:

In order to proceed further with your application, additional information is necessary. Therefore, your application has been referred to our field team.

We suggest that you contact Mr. Robert Laurence, Room 13, Post Office Building, Knoxville, Tennessee, and offer him whatever help he may require.

Very truly yours,

SIGNED

Tom Lyon, Director
Supply Division

CHJacoby:ll 9/25/51
CC: DMA Docket File
Adm. Reading File
Mr. Melcher
Mr. Crittenden
Mr. Holderer
Field Team, Region VII

340

Please return to
3624

OCT 1 1951

Mr. Robert Laurence, Executive Officer
DMA Field Team, Region VII
Room 13
Post Office Building
Knoxville, Tennessee

Subject: Mr. B. C. Munday and John Ledford
Munday-Ledford Mine
9 Miles West of Hayesville, N. C. on
State Highway #64, then ½ mile N to mine.
DMA-1872, Manganese

Dear Mr. Laurence:

We would like additional information on the Munday-Ledford Mine.

Our only information concerning the Ledford property is contained in a few fragmentary notes made by D. F. Hewett in 1934. This information, supplemented by the general knowledge of the nature of the manganese deposits of the Piedmont, suggests that the high grade assays submitted by Mr. Munday represent surface material and that the deposit may be expected to grade into manganiferous shists at a relatively shallow depth.

It is requested that the field team examine the property with Mr. Munday and Mr. Ledford to determine whether this interpretation is correct and also to determine the quantities of high grade ore which might be available. A recommendation concerning the feasibility of the limited exploration program proposed by the applicants is also requested.

Very truly yours,

Tom Lyon, Chairman
Coordinating Committee

CHJacob:ll 9/27/51
DC: DMA Docket File
Adm. Reading File
Mr. Crittenden
Mr. Melcher
Mr. Holderer
Field Team Region VII

Enclosure

Bureau of Mines

D Lazer
Geological Survey

Index of File to Field Team VII

1- copy MF# 100
1 copy MF-103 with attached sheets
1- copy letter to DMA from Munday dated 7/18/51
1 copy letter to Munday from Tennessee P. Corp. dated 7/18/51
1 copy Assay Sheet
1-copy letter to Munday from Lavino dated 8/15/51
1 copy letter to Holderer from Munday dated 8/29/51

9/21/51

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

OCT 18 8 45 AM '51

OCT 1 1951

Mr. B. C. Sunday
Franklin
Mason County
North Carolina

Dear Mr. Sunday:

In order to proceed further with your application, additional information is necessary. Therefore, your application has been referred to our field team.

We suggest that you contact Mr. Robert Laurence, Room 13, Post Office Building, Knoxville, Tennessee, and offer him whatever help he may require.

Very truly yours,

SIGNED

Tom Lyon, Director
Supply Division

340
FILE COPY
SURNAME:

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

Jacoby
Holbrey
Thayer

a. e. e

Mr. Robert Laurence, Executive Officer
DMA Field Team, Region VII
Room 13
Post Office Building
Knoxville, Tennessee

Subject: Mr. E. C. Munday and John Ledford
Munday-Ledford Mine
9 Miles West of Hayesville, N. C. on
State Highway #64, then ¼ mile N to mine.
DMA-1872, Manganese

Dear Mr. Laurence:

We would like additional information on the Munday-Ledford Mine.

Our only information concerning the Ledford property is contained in a few fragmentary notes made by D. F. Hewitt in 1934. This information, supplemented by the general knowledge of the nature of the manganese deposits of the Piedmont, suggests that the high grade assays submitted by Mr. Munday represent surface material and that the deposit may be expected to grade into manganiferous shists at a relatively shallow depth.

It is requested that the field team examine the property with Mr. Munday and Mr. Ledford to determine whether this interpretation is correct and also to determine the quantities of high grade ore which might be available. A recommendation concerning the feasibility of the limited exploration program proposed by the applicants is also requested.

Very truly yours,

Tom Lyon, Chairman
Coordinating Committee

CHJacoby:ll 9/27/51
DC: DMA Docket File
Adm. Reading File
Mr. Crittenden
Mr. Melcher
Mr. Holderer
Field Team Region VII

Enclosure

Bureau of Mines

Thayer
Geological Survey

340

FILE COPY
SURNAME:

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

Holderer
Jacoby
Melcher
Mayo
Moon

OCT 1 1951

Q.E.R.

Mr. B. C. Munday
Franklin
Mason County
North Carolina

In reply please refer to
DMA-1872

Dear Mr. Munday:

In order to proceed further with your application, additional information is necessary. Therefore, your application has been referred to our field team.

We suggest that you contact Mr. Robert Laurence, Room 13, Post Office Building, Knoxville, Tennessee, and offer him whatever help he may require.

Very truly yours,

SIGNED
Tom Lyon, Director
Supply Division

S.F.
10-1

CHJacoby:ll 9/25/51
CC: DMA Docket File
Adm. Reading File
Mr. Melcher
Mr. Crittenden
Mr. Holderer
Field Team, Region VII

Memorandum for: Mr. George B. Holderer

From: Mr. Max D. Crittenden

Subject: DMA 1872

The following is a suggested partial draft of a letter to the field team requesting examination of the property referred to above:

"The only information concerning the Ledford property is contained in a few fragmentary notes made by D. F. Hewitt in 1934. This information, supplemented by the general knowledge of the nature of the manganese deposit on the Piedmont, suggests that the high grade assays submitted by Mr. Ledford represent surface material, and that a deposit may be expected to grade into manganiferous schist at relatively shallow depth.

"It is requested that the field team examine the property with Mr. Ledford to determine whether this interpretation is correct, and also to determine what quantities of high-grade ore might be available. A recommendation concerning the feasibility of the limited exploration proposed by Mr. Ledford is also requested."

Max D. Crittenden (dgs)
Max Crittenden

MDCrittenden:dgs
9/21/51

STANDARD FORM NO. 64

# Office Memorandum • UNITED STATES GOVERNMENT

TO : Mr. George Holderer

DATE: September 17, 1951

FROM : Max D. Crittenden, Jr.

SUBJECT: DMA 1872

1872

Mr. Munday's letter of August 27, with attachments, indicates that he does not have sufficient money to participate in exploration of the deposit, and therefore we cannot do anything for him. I suggest we write asking him specifically whether he is able to participate, and requesting that his application be withdrawn if he is not able to do so.

Mr. George Holderer

September 17, 1951

Max D. Crittenden, Jr.

DMA 1872

Mr. Munday's letter of August 27, with attachments, indicates that he does not have sufficient money to participate in exploration of the deposit, and therefore we cannot do anything for him. I suggest we write asking him specifically whether he is able to participate, and requesting that his application be withdrawn if he is not able to do so.

MDCrittenden:gt

George Holderer

August 2, 1951

M. D. Crittenden

DMA-1872

John Ledford was one of a group including Nelson N. Rogu, H. H. Ledford, D. B. Palmer, and Fred H. Davenport who were interested in properties in this same area in 1934 and who guided D. F. Hewett to the property in October that year. All of the manganese deposits of this area consist of shallow oxides derived from manganiferous slates. At places such as near Kings Mountain these slates assay a percent or two; elsewhere the grade is still lower. Although the tonnage of primary material is very large, and the amount of low-grade oxide ore amounts to millions of tons, there is no way of concentrating it. For this reason, I do not believe the area warrants even this amount of work. The prospects can only be regarded as very poor.

MDCrittenden:gt

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D.C.
AUG 29 8 37 AM '51

Franklin
North Carolina
August 27, 1951

Mr. George B. Holderer
Chief, Manganese Branch
U. S. Dept. of Interior
Defense Minerals Adm.
Washington, D.C.

DMA 1877

Dear Mr. Holderer.

I will try and answer your letter of August 9 in regard to my application for a loan on a manganese deposit. In regard to Question 21 I have a vein of manganese ore that runs about three-quarters of a mile long on into a mountain on the east side. On the southwest it runs on across a ridge into a big hill. In the middle of this vein between the hill and the mountain there is a small hill. There was a tunnel driven into this small hill seventy feet long about 45 or 50 years ago. The party that drove this tunnel was looking for silver and cut through this manganese vein about 25 or 30 feet from the mouth of the tunnel, and

it is about 10 feet deep down to this vein. The vein outcrops all along $\frac{3}{4}$ of a mile northeast and southwest. The width seems to be 30 or 40 feet. I would like to cross cut this vein in several different places within the $\frac{3}{4}$ mile and strip down to the vein on the small hill to the tunnel. I do not have the money to have maps and survey made of the deposit. I have had this deposit examined by the Tennessee Products and Chemical Corp. of Chattanooga. They say it is high grade ore and a large deposit and would like to buy all of the manganese that I can ship them in car lots to their plant in Chattanooga, As you will see in their letter and assays I am sending you. Please return them to me. If I can get a loan from the government to prospect and open this deposit up, I can go to shipping manganese ore to the Tennessee Products

Corp. in this thirty days and pay the government back their money in the first car. I would like to have you send a man to examine this deposit right away before you approve my application and let him make a report on it. I have three other companies that have examined the ore and want it. I have one company in particular in Philadelphia, E. J. Lavino and Co. They had offered me more for this old than anybody. I am going to send you their letter also. Please return to me.

I am very anxious to get this deposit of manganese ore examined by some government man and get it into operation as soon as possible. I will appreciate anything you can do in the way of getting this properly developed as soon as possible, as it is high grade ore and I believe a large deposit. I also have another deposit of

high grade ore that I believe is a large deposit. It assays 54.53 as you will see from the assay of the Tennessee Products Corp. that they made. It is called dump manganese ore on their assay. The other one is the Beadle Manganese ore. This is about the best I can describe this deposit.

Yours truly,
B.C. Munday

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

G. E. C.

August 9, 1951

Mr. B. C. Munday
Franklin
North Carolina

In reply please refer to
DMA 1872

Dear Mr. Munday:

In receiving your application we find it necessary to have more information than you have submitted. The questions on which we would like more detailed information are as follows:

21. A much fuller explanation of the proposed work is necessary.

22. You have given us no answer to this question. We must have the requested geological map, maps of proposed openings, assay maps and other pertinent data. As an example you have said in answer to question 21 "bulldozing off of overburden". This overburden should be described from the standpoint of mineralization. Is the manganese embedded clay? You state further "to strip down to vein" but you give us no reason why you expect a vein to be uncovered. Does a vein outcrop? If so where? Width? Number of places?

Upon submission of this necessary information your application will receive additional careful consideration.

Very truly yours,

George B. Holderer

George B. Holderer
Chief, Manganese Branch

CHJacoby:bl

CC: Adm. Reading File
Reports & Records Unit
Mr. Holderer
Files

340

FILE COPY
SURNAME:

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

Holderer
Jacoby

August 9, 1951

Mr. B. C. Munday
Franklin
North Carolina

In reply please refer to
DMA 1872

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Very truly yours,

George B. Holderer

George B. Holderer
Chief, Manganese Branch

CHJacoby:bl

CC: Adm. Reading File
Reports & Records Unit
Mr. Holderer
Files

August 9, 1951

Mr. E. O. Munday
Franklin
North Carolina

In reply please refer to
DMA 1872

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Very truly yours,

George B. Holderer

George B. Holderer
Chief, Manganese Branch

CEJacobs:bl

CC: Adm. Reading File
Reports & Records Unit
Mr. Holderer
Files

STANDARD FORM NO. 64

# *Office Memorandum* • UNITED STATES GOVERNMENT

TO : George Holderer DATE: August 2, 1951

FROM : M. D. Crittenden

SUBJECT: DMA-1872

John Ledford was one of a group including Nelson N. Rogers, H. H. Ledford, D. B. Palmer, and Fred H. Davenport who were interested in properties in this same area in 1934 and who guided D. F. Hewett to the property in October that year. All of the manganese deposits of this area consist of shallow oxides derived from manganiferous slates. At places such as near Kings Mountain these slates assay a percent or two; elsewhere the grade is still lower. Although the tonnage of primary material is very large, and the amount of low-grade oxide ore amounts to millions of tons, there is no way of concentrating it. For this reason, I do not believe the area warrants even this amount of work. The prospects can only be regarded as very poor.

FILE COPY
SURNAME:

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

July 25, 1951

a. & C.

Mr. B. C. Munday
Franklin
North Carolina

Subject: DMA-1872
Re: Exploration Loan -
Munday-Ledford

My dear Mr. Munday:

Receipt is acknowledged of your application and attachments of July 18, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1872 and referred to Mr. George Holderer, Chief, Manganese Branch on July 24, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1872.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

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

July 25, 1951

Mr. B. C. Munday
Franklin
North Carolina

Subject: DMA-1872
Re: Exploration Loan -
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Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

L. F. Strobel:jc
cc: Strobel
File
Holderer
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 1872

Date received 7-20-51

Participation

B. C. MUNDAY & JOHN LEDFORD
FRANKLIN, NORTH CAROLINA.

Name and address of applicant

Date JULY 18, 1951

FILL IN THIS BLOCK

Date of application JULY 18, 1951

Estimated cost $ 3,700.00

Mineral or metal MANGANESE

Percentage of Government participation 75%

Location of mine 9 miles West of HAYESVILLE, NORTH CAROLINA

Date of filing MF-100 JULY 18, 1951

DMA Docket Number, if available 1872

## INSTRUCTIONS

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

## THE APPLICANT

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

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

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

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

16—64067-1

## THE PROPERTY

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

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

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

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

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

## THE EXPLORATION

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

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

## THE REQUIREMENTS AND COSTS

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

## CERTIFICATION

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

B. C. MUNDAY & JOHN LEDFORD
(Name of company)

By B. C. Munday
(Signature of authorized official)

John E. Ledford
(Title)

(Date)

**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 B. C. MUNDAY & JOHN LEDFORD, FRANKLIN, NORTH CAROLINA

THE APPLICANT; AND THE PROPERTY.

1. Partnership.

4. J. E. Ledford has prospected and mined for the past 40 years in and around Clay County, N. C. He is thoroughly familiar with mining and processing procedures.

5. Lessee.

6. No liens or encumbrances against property.

9. 25 percent; sufficient in accordance with Government participation on Manganese. (Section 9 of MO-5.)

10. For description of property see attached copy of lease.

11. Name of mine: Munday-Ledford Mine.

12. Property is located 9 miles West of Hayesville, N. C. on State Highway No. 64; thence one-fourth mile North on gravel road to the mine. Shipping point, Murphey, Cherokee County, N. C., is 11 miles from mine.

13. Sufficient water on property for all requirements. No power required.

14. Mine contains no facilities, equipment, etc.

15. Manganese will be mined on property, loaded into trucks, and shipped either by truck or rail to various steel mills (customers).

16. Very little exploration (no development or operation) has been done in the past. However, extensive showings of manganese appear, resulting in assay report (See answer to question 18).

17. Mine is not in production.

18. Following is assay report of sample submitted to Tennessee Products and Chemical Corporation, Chattanooga, Tennessee:

Laboratory Report

Sample of: Manganese Ore (1 sample)

Request by Mr. Blair

| | Iron | Insel. | Mang. | Phos. |
|---|---|---|---|---|
| Beadles Manganese Ore | .8 | 8.02 | 56.25 | .081 |

FORM MF-103 B. C. MUNDAY & JOHN LEDFORD, FRANKLIN, NORTH CAROLINA

THE EXPLORATION:

20. Exploration will be conducted to locate manganese deposits.

21. Proposed work will include bulldozing off of overburden to strip down to vein, with several cross cuts; uncovering an area of approximately 30 x 700 feet. Exploration work can be completed within 30 days.

ESTIMATED REQUIREMENTS AND COSTS:

23.

| | | EACH DAILY | 30 DAYS |
|---|---|---|---|
| (a) | LABOR: | | |
| | 1 Foreman | $ 12.00 | $ 360.00 |
| | 2 Muckers | 16.00 | 960.00 |
| | 1 Miner | 10.00 | 300.00 |
| (b) | SUPERINTENDENT | 16.00 | 480.00 |
| (e) | SMALL TOOLS | | 300.00 |
| (f) | Rental: | | |
| | BULLDOZER | | 1,000.00 |
| | TRUCK | 10.00 | 300.00 |
| | TOTAL REQUIREMENTS | | $ 3,700.00 |

C O P Y

NORTH CAROLINA

CLAY COUNTY

THIS CONTRACT, made and entered into this the 1st day of June, 1951, by and between IRA M. BEADLES AND wife, LASSIE BEADLES, of of Clay County, North Carolina, parties of the first part, and B. C. MUNDAY of Macon County, North Carolina, and JOHN LEDFORD of Clay County, North Carolina, parties of the second part;

W I T N E S S E T H:

That subject to the terms and conditions hereinafter set forth, said parties of the first part have let and leased and by these presents do hereby let and lease unto parties of the second part, their heirs and assigns, the exclusive right and privilege to mine, dig, mill, process and remove the iron and manganese ore in, under and upon a certain tract or parcel of land lying and being in Shooting Creek Township, Clay County, North Carolina, described as follows:

> Being known as the Beadles home place lying on the waters of Shooting Creek vounded on the East by Woody; on the South by Roy Calloway; on the West by Holey Ledford; and on the North by Verlin Davenport and Sanford Ledford, containing 54 acres more or less.

The terms and conditions of this lease are as follows:

Unless sooner terminated as hereinafter provided, this lease shall exist and continue until the 31st day of May, 1961.

As rental, parties of the second part agree to pay to parties of the first part One Dollar ($1.00) per ton for all iron and manganese ore mined and removed from said land.

Parties of the second part shall keep a correct and itemized record of all operations and transactions under this lease and such records may be at any time inspected by parties of the first part.

So long as this lease remains in force parties of the second part shall have the right and privilege to use the surface of said land to the full extent that such use is reasonably convenient or necessary in mining operations; the right to construct and place upon said land, buildings and machinery and to remove the same; the right to cut and use upon said land for the purposes herein set out such timber as may be necessary;

the right to use the water in any stream upon said land; and the right to construct and maintain roads in such locations as may be necessary.

It is further agreed that parties of the second part will pay to parties of the first part all damages that may be done to the buildings situated upon said land by reason of their mining operations.

It is further agreed that in the event mining operations are not begun within twelve (12) months after date of this lease, then this lease shall be null and void.

IN TESTIMONY WHEREOF, said parties hereto have hereunto set their hands and seals the day and year first above written.

IRA M. BEADLES (SEAL)

LASSIE BEADLES (SEAL)

(SEAL)

(SEAL)

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 1872

Date received 7-20-51

B. C. MUNDAY & JOHN LEDFORD

FRANKLIN, NORTH CAROLINA

Name and address of applicant

Date JULY 18, 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.

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

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 12 mi. E. of Murphy, N.C. (R.R.Sta.)
   (*b*) Mining district. Hayesville
   (*c*) Township, Section, Range. Shooting Creek
   (*d*) County, State. Clay County, N. C.
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: Mine is not yet in production.

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

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

12. Ore or Mineral Reserves:

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

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

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

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

**TOTAL ORE OR MINERAL RESERVES**

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor: Operation has not yet started.

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.

* Per MO-7 Amended, the answers to the above are all that are required.

**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.

B. C. MUNDAY AND JOHN LEDFORD
(Name of company)

By B. C. Munday
(Signature of authorized official)

(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.**

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

July 25, 1951

Mr. A. C. Munday
Franklin
North Carolina

Subject: DMA-1872
Re: Exploration Loan -
Munday-Ledford

My dear Mr. Munday:

Receipt is acknowledged of your application and attachments of July 15, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1872 and referred to Mr. George Holderer, Chief, Manganese Branch on July 24, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1872.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

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

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D. C.
OCT 18 8 45 AM '51

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 1872

Date received 7-20-51

Participation

B. C. MUNDAY & JOHN LEDFORD
FRANKLIN, NORTH CAROLINA.

Name and address of applicant

Date JULY 18, 1951

FILL IN THIS BLOCK

Date of application JULY 18, 1951

Estimated cost $ 3,700.00

Mineral or metal MANGANESE

Percentage of Government participation 75%

Location of mine 9 miles West of HAYESVILLE, NORTH CAROLINA

Date of filing MF-100 JULY 18, 1951

DMA Docket Number, if available 1872

## 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.

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*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
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NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

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    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

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*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.

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State amount of power to be used, rate per hour or other cost, and source.

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    (*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.

B. C. MUNDAY & JOHN LEDFORD
(Name of company)

By B. C. Munday
(Signature of authorized official)

(Date)

John E. Ledford
(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 B. C. MUNDAY & JOHN LEDFORD, FRANKLIN, NORTH CAROLINA

THE APPLICANT; AND THE PROPERTY.

1. Partnership.

4. J. E. Ledford has prospected and mined for the past 40 years in and around Clay County, N. C. He is thoroughly familiar with mining and processing procedures.

5. Lessee.

6. No liens or encumbrances against property.

9. 25 percent; sufficient in accordance with Government participation on Manganese.(Section 9 of MO-5.)

10. For description of property see attached copy of lease.

11. Name of mine: Munday-Ledford Mine.

12. Property is located 9 miles West of Hayesville, N. C. on State Highway No. 64; thence one-fourth mile North on gravel road to the mine. Shipping point, Murphey, Cherokee County, N. C.,is 11 miles from mine.

13. Sufficient water on property for all requirements. No power required.

14. Mine contains no facilities, equipment, etc.

15. Manganese will be mined on property, loaded into trucks, and shipped either by truck or rail to various steel mills (customers).

16. Very little exploration (no development or operation) has been done in the past. However, extensive showings of manganese appear, resulting in assay report (See answer to question 18).

17. Mine is not in production.

18. Following is assay report of sample submitted to Tennessee Products and Chemical Corporation, Chattanooga, Tennessee:

Laboratory Report

Sample of: Manganese Ore (1 sample)

Request by Mr. Blair

| | Iron | Insel. | Mang. | Phos. |
|---|---|---|---|---|
| Beadles Manganese Ore | .8 | 8.02 | 56.25 | .081 |

FORM MF-103 B. C. MUNDAY & JOHN LEDFORD, FRANKLIN, NORTH CAROLINA

THE EXPLORATION:

20. Exploration will be conducted to locate manganese deposits.

21. Proposed work will include bulldozing off of overburden to strip down to vein, with several cross cuts; uncovering an area of approximately 30 x 700 feet. Exploration work can be completed within 30 days.

ESTIMATED REQUIREMENTS AND COSTS:

23.

| | | EACH DAILY | 30 DAYS |
|---|---|---|---|
| (a) | LABOR: | | |
| | 1 Foreman | $ 12.00 | $ 360.00 |
| | 2 Muckers | 16.00 | 960.00 |
| | 1 Miner | 10.00 | 300.00 |
| (b) | SUPERINTENDENT | 16.00 | 480.00 |
| (e) | SMALL TOOLS | | 300.00 |
| (f) | Rental: | | |
| | BULLDOZER | | 1,000.00 |
| | TRUCK | 10.00 | 300.00 |
| | TOTAL REQUIREMENTS | | $ 3,700.00 |

COPY

NORTH CAROLINA

CLAY COUNTY

THIS CONTRACT, made and entered into this the 1st day of June, 1951, by and between IRA M. BEADLES AND wife, LASSIE BEADLES, of of Clay County, North Carolina, parties of the first part, and B. C. MUNDAY of Macon County, North Carolina, and JOHN LEDFORD of Clay County, North Carolina, parties of the second part;

W I T N E S S E T H:

That subject to the terms and conditions hereinafter set forth, said parties of the first part have let and leased and by these presents do hereby let and lease unto parties of the second part, their heirs and assigns, the exclusive right and privilege to mine, dig, mill, process and remove the iron and manganese ore in, under and upon a certain tract or parcel of land lying and being in Shooting Creek Township, Clay County, North Carolina, described as follows:

> Being known as the Beadles home place lying on the waters of Shooting Creek vounded on the East by Woody; on the South by Roy Calloway; on the West by Holey Ledford; and on the North by Verlin Davenport and Sanford Ledford, containing 54 acres more or less.

The terms and conditions of this lease are as follows:

Unless sooner terminated as hereinafter provided, this lease shall exist and continue until the 31st day of May, 1961.

As rental, parties of the second part agree to pay to parties of the first part One Dollar ($1.00) per ton for all iron and manganese ore mined and removed from said land.

Parties of the second part shall keep a correct and itemized record of all operations and transactions under this lease and such records may be at any time inspected by parties of the first part.

So long as this lease remains in force parties of the second part shall have the right and privilege to use the surface of said land to the full extent that such use is reasonably convenient or necessary in mining operations; the right to construct and place upon said land, buildings and machinery and to remove the same; the right to cut and use upon said land for the purposes herein set out such timber as may be necessary;

the right to use the water in any stream upon said land; and the right to construct and maintain roads in such locations as may be necessary.

It is further agreed that parties of the second part will pay to parties of the first part all damages that may be done to the buildings situated upon said land by reason of their mining operations.

It is further agreed that in the event mining operations are not begun within twelve (12) months after date of this lease, then this lease shall be null and void.

IN TESTIMONY WHEREOF, said parties hereto have hereunto set their hands and seals the day and year first above written.

IRA M. BEADLES (SEAL)

LASSIE BEADLES (SEAL)

(SEAL)

(SEAL)

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 1872

Date received 7-20-51

B. C. MUNDAY & JOHN LEDFORD

FRANKLIN, NORTH CAROLINA

Name and address of applicant

Date JULY 18, 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.

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

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 11 mi. E. of Murphy, N.C.(R.R.Sta.)
   (*b*) Mining district. Hayesville
   (*c*) Township, Section, Range. Shootin g Creek
   (*d*) County, State. Clay County, N. C.
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: Mine is not yet in production

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

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

12. Ore or Mineral Reserves:

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

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

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

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

**TOTAL ORE OR MINERAL RESERVES**

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor: Operation has not yet started

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.

*Per M0-7 Amended, the answers to the above are all that are required.

**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.

B. C. MUNDAY & JOHN LEDFORD
(Name of company)

By B. C. Munday
(Signature of authorized official)

(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.**

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

# NATIONAL MINERS' ASSOCIATION

HIGHLANDS RD. AT MAIN ST.

FRANKLIN, NORTH CAROLINA

A CONFEDERATION OF AMERICAN MINERAL MINERS



DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D.C.
OCT 18 8 45 AM '51



ANDREW W. REID
CHAIRMAN
BOARD OF DIRECTORS

ROY H. FOUTS
SECRETARY

HARRY PATTON
TREASURER

FRANK SIERSMA
CHAIRMAN LOCAL
MINING COMMITTEE

JUDGE C. M. TRAMMELL
CONSULTANT
717 BARR BUILDING
WASHINGTON 6, D. C.


July 18, 1951


DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 20 1951
LANDON F. STROBEL
Executive Secretary


dm A
1872

Defense Minerals Administration
Washington 25, D. C.

Attention: Mr. Landon F. Strobel
Executive Secretary

Gentlemen:

We are enclosing application for
Exploratory Loan for

B. C. MUNDAY & JOHN LEDFORD
FRANKLIN, NORTH CAROLINA

Very truly yours,

BC Munday

B. C. MUNDAY

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 1872

Date received 7-20-51

Participation

B. C. MUNDAY & JOHN LEDFORD
FRANKLIN, NORTH CAROLINA.

Name and address of applicant

Date JULY 18, 1951

FILL IN THIS BLOCK

Date of application JULY 18, 1951

Estimated cost $ 3,700.00

Mineral or metal MANGANESE

Percentage of Government participation 75%

Location of mine 9 miles West of HAYESVILLE, NORTH CAROLINA

Date of filing MF-100 JULY 18, 1951

DMA Docket Number, if available

## INSTRUCTIONS

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

## THE APPLICANT

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

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

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

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

16—64067-1

## THE PROPERTY

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

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

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

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

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

## THE EXPLORATION

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

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

## THE REQUIREMENTS AND COSTS

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

## CERTIFICATION

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

B. C. HUNDLY & JOHN LEDFORD
(Name of company)

By B. C. Mauldin
(Signature of authorized official)

(Date)

John E. Ledford
(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 B. C. MUNDAY & JOHN LEDFORD, FRANKLIN, NORTH CAROLINA

THE APPLICANT; AND THE PROPERTY.

1. Partnership.

4. J. E. Ledford has prospected and mined for the past 40 years in and around Clay County, N. C. He is thoroughly familiar with mining and processing procedures.

5. Lessee.

6. No liens or encumbrances against property.

9. 25 percent; sufficient in accordance with Government participation on Manganese.(Section 9 of MO-5.)

10. For description of property see attached copy of lease.

11. Name of mine: Munday-Ledford Mine.

12. Property is located 9 miles West of Hayesville, N. C. on State Highway No. 64; thence one-fourth mile North on gravel road to the mine. Shipping point, Murphey, Cherokee County, N. C.,is 11 miles from mine.

13. Sufficient water on property for all requirements. No power required.

14. Mine contains no facilities, equipment, etc.

15. Manganese will be mined on property, loaded into trucks, and shipped either by truck or rail to various steel mills (customers).

16. Very little exploration (no development or operation) has been done in the past. However, extensive showings of manganese appear, resulting in assay report (See answer to question 18).

17. Mine is not in production.

18. Following is assay report of sample submitted to Tennessee Products and Chemical Corporation, Chattanooga, Tennessee:

Laboratory Report

Sample of: Manganese Ore (1 sample)

Request by Mr. Blair

| | Iron | Insol. | Mang. | Phos. |
|---|---|---|---|---|
| Beadles Manganese Ore | .8 | 8.02 | 56.25 | .081 |

FORM MF-103 B. C. MUNDAY & JOHN LEDFORD, FRANKLIN, NORTH CAROLINA

THE EXPLORATION:

20. Exploration will be conducted to locate manganese deposits.

21. Proposed work will include bulldozing off of overburden to strip down to vein, with several cross cuts; uncovering an area of approximately 30 x 700 feet. Exploration work can be completed within 30 days.

ESTIMATED REQUIREMENTS AND COSTS:

23.

| | EACH DAILY | 30 DAYS |
|---|---|---|
| (a) LABOR: | | |
| 1 Foreman | $ 12.00 | $ 360.00 |
| 2 Muckers | 16.00 | 960.00 |
| 1 Miner | 10.00 | 300.00 |
| (b) SUPERINTENDENT | 16.00 | 480.00 |
| (e) SMALL TOOLS | | 300.00 |
| (f) Rental: | | |
| BULLDOZER | | 1,000.00 |
| TRUCK | 10.00 | 300.00 |
| TOTAL REQUIREMENTS | | $ 3,700.00 |

NORTH CAROLINA

CLAY COUNTY

THIS CONTRACT, made and entered into this the 1st day of June, 1951, by and between IRA M. BEADLES AND wife, LASSIE BEADLES, of of Clay County, North Carolina, parties of the first part, and B. C. MUNDAY of Macon County, North Carolina, and JOHN LEDFORD of Clay County, North Carolina, parties of the second part;

W I T N E S S E T H:

That subject to the terms and conditions hereinafter set forth, said parties of the first part have let and leased and by these presents do hereby let and lease unto parties of the second part, their heirs and assigns, the exclusive right and privilege to mine, dig, mill, process and remove the iron and manganese ore in, under and upon a certain tract or parcel of land lying and being in Shooting Creek Township, Clay County, North Carolina, described as follows:

> Being known as the Beadles home place lying on the waters of Shooting Creek vounded on the East by Woody; on the South by Roy Calloway; on the West by Holey Ledford; and on the North by Verlin Davenport and Sanford Ledford, containing 54 acres more or less.

The terms and conditions of this lease are as follows:

Unless sooner terminated as hereinafter provided, this lease shall exist and continue until the 31st day of May, 1961.

As rental, parties of the second part agree to pay to parties of the first part One Dollar ($1.00) per ton for all iron and manganese ore mined and removed from said land.

Parties of the second part shall keep a correct and itemized record of all operations and transactions under this lease and such records may be at any time inspected by parties of the first part.

So long as this lease remains in force parties of the second part shall have the right and privilege to use the surface of said land to the full extent that such use is reasonably convenient or necessary in mining operations; the right to construct and place upon said land, buildings and machinery and to remove the same; the right to cut and use upon said land for the purposes herein set out such timber as may be necessary;

the right to use the water in any stream upon said land; and the right to construct and maintain roads in such locations as may be necessary.

It is further agreed that parties of the second part will pay to parties of the first part all damages that may be done to the buildings situated upon said land by reason of their mining operations.

It is further agreed that in the event mining operations are not begun within twelve (12) months after date of this lease, then this lease shall be null and void.

IN TESTIMONY WHEREOF, said parties hereto have hereunto set their hands and seals the day and year first above written.

IRA M. BEADLES (SEAL)

LASSIE BEADLES (SEAL)

(SEAL)

(SEAL)

(*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: Operation has not yet started.

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.

*Per MO-7 Amended, the answers to the above are all that are required.

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.

B. C. MUNDAY & JOHN LEDFORD
(Name of company)

By B. C. Munday
(Signature of authorized official)

(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.**

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

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 1872

Date received 7-20-51

B. C. MUNDAY & JOHN LEDFORD

FRANKLIN, NORTH CAROLINA

Name and address of applicant

Date JULY 18, 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.

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

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 21 mi. E. of Murphy, N.C. (R.R.Sta.)
   (*b*) Mining district. Hayesville
   (*c*) Township, Section, Range. Shooting Creek
   (*d*) County, State. Clay County, N. C.
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: Mine is not yet in production.

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

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

12. Ore or Mineral Reserves:

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

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 1872

Date received 7-20-51

Participation

D. C. [illegible] & [illegible]
FRANKLIN, NORTH CAROLINA.

Name and address of applicant

Date JULY 18, 1951

FILL IN THIS BLOCK

Date of application JULY 18, 1951

Estimated cost $ 3,700.00

Mineral or metal MANGANESE

Percentage of Government participation 75%

Location of mine 9 miles West of HAYESVILLE, NORTH CAROLINA

Date of filing MF-100 JULY 18, 1951

DMA Docket Number, if available 1872

## INSTRUCTIONS

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

## THE APPLICANT

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

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

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

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

16—64067-1

## THE PROPERTY

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

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

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

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

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

## THE EXPLORATION

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

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

## THE REQUIREMENTS AND COSTS

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

## CERTIFICATION

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

D. C. [illegible] Y & JOHN [illegible]
(Name of company)

By B. C. Murphy
(Signature of authorized official)

John E. Ledford
(Title)

(Date)

**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 B. C. MUNDAY & JOHN LEDFORD, FRANKLIN, NORTH CAROLINA

THE APPLICANT; AND THE PROPERTY.

1. Partnership.

4. J. E. Ledford has prospected and mined for the past 40 years in and around Clay County, N. C. He is thoroughly familiar with mining and processing procedures.

5. Lessee.

6. No liens or encumbrances against property.

9. 25 percent; sufficient in accordance with Government participation on Manganese.(Section 9 of MD-5.)

10. For description of property see attached copy of lease.

11. Name of mine: Munday-Ledford Mine.

12. Property is located 9 miles West of Hayesville, N. C. on State Highway No. 64; thence one-fourth mile North on gravel road to the mine. Shipping point, Murphey, Cherokee County, N. C.,is 11 miles from mine.

13. Sufficient water on property for all requirements. No power required.

14. Mine contains no facilities, equipment, etc.

15. Manganese will be mined on property, loaded into trucks, and shipped either by truck or rail to various steel mills (customers).

16. Very little exploration (no development or operation) has been done in the past. However, extensive showings of manganese appear, resulting in assay report (See answer to question 18).

17. Mine is not in production.

18. Following is assay report of sample submitted to Tennessee Products and Chemical Corporation, Chattanooga, Tennessee:

Laboratory Report

Sample of: Manganese Ore (1 sample)

Request by Mr. Blair

| | Iron | Insol. | Mang. | Phos. |
|---|---|---|---|---|
| Beadles Manganese Ore | .8 | 8.02 | 56.25 | .061 |

FORM MF-103 B. C. MUNDAY & JOHN LEDFORD, FRANKLIN, NORTH CAROLINA

THE EXPLORATION:

20. Exploration will be conducted to locate manganese deposits.

21. Proposed work will include bulldozing off of overburden to strip down to vein, with several cross cuts; uncovering an area of approximately 30 x 700 feet. Exploration work can be completed within 30 days.

ESTIMATED REQUIREMENTS AND COSTS:

23.

| | EACH DAILY | 30 DAYS |
|---|---|---|
| (a) LABOR: | | |
| 1 Foreman | $ 12.00 | $ 360.00 |
| 2 Muckers | 16.00 | 960.00 |
| 1 Miner | 10.00 | 300.00 |
| (b) SUPERINTENDENT | 16.00 | 480.00 |
| (e) SMALL TOOLS | | 300.00 |
| (f) Rental: | | |
| BULLDOZER | | 1,000.00 |
| TRUCK | 10.00 | 300.00 |
| TOTAL REQUIREMENTS | | $ 3,700.00 |

NORTH CAROLINA

CLAY COUNTY

THIS CONTRACT, made and entered into this the 1st day of June, 1951, by and between IRA M. BEADLES AND wife, LASSIE BEADLES, of of Clay County, North Carolina, parties of the first part, and B. C. MUNDAY of Macon County, North Carolina, and JOHN LEDFORD of Clay County, North Carolina, parties of the second part;

W I T N E S S E T H:

That subject to the terms and conditions hereinafter set forth, said parties of the first part have let and leased and by these presents do hereby let and lease unto parties of the second part, their heirs and assigns, the exclusive right and privilege to mine, dig, mill, process and remove the iron and manganese ore in, under and upon a certain tract or parcel of land lying and being in Shooting Creek Township, Clay County, North Carolina, described as follows:

> Being known as the Beadles home place lying on the waters of Shooting Creek vounded on the East by Woody; on the South by Roy Calloway; on the West by Holey Ledford; and on the North by Verlin Davenport and Sanford Ledford, containing 54 acres more or less.

The terms and conditions of this lease are as follows:

Unless sooner terminated as hereinafter provided, this lease shall exist and continue until the 31st day of May, 1961.

As rental, parties of the second part agree to pay to parties of the first part One Dollar ($1.00) per ton for all iron and manganese ore mined and removed from said land.

Parties of the second part shall keep a correct and itemized record of all operations and transactions under this lease and such records may be at any time inspected by parties of the first part.

So long as this lease remains in force parties of the second part shall have the right and privilege to use the surface of said land to the full extent that such use is reasonably convenient or necessary in mining operations; the right to construct and place upon said land, buildings and machinery and to remove the same; the right to cut and use upon said land for the purposes herein set out such timber as may be necessary;

the right to use the water in any stream upon said land; and the right to construct and maintain roads in such locations as may be necessary.

It is further agreed that parties of the second part will pay to parties of the first part all damages that may be done to the buildings situated upon said land by reason of their mining operations.

It is further agreed that in the event mining operations are not begun within twelve (12) months after date of this lease, then this lease shall be null and void.

IN TESTIMONY WHEREOF, said parties hereto have hereunto set their hands and seals the day and year first above written.

IRA M. BEADLES (SEAL)

LASSIE BEADLES (SEAL)

(SEAL)

(SEAL)

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 1872

Date received 7-20-51

B. C. MUNDAY & JOHN LEDFORD

FRANKLIN, NORTH CAROLINA

Name and address of applicant

Date JULY 18, 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.

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

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 11 mi. E. of Murphy, N.C.(R.R.Sta.)
   (*b*) Mining district. Hayesville
   (*c*) Township, Section, Range. Shootin g Creek
   (*d*) County, State. Clay County, N. C.
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) |
| | | | | | | | |
| | | | | | | | |
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| | | | | | | | |
| | | | | | | | |
| | 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: Mine is not yet in production.

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

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

12. Ore or Mineral Reserves:

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor: Operation has not yet started.

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.

*Per MO-7 Amended, the answers to the above are all that are required.

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.

B. C. MUNDAY & JOHN LEDFORD
(Name of company)

By B. C. Munday
(Signature of authorized official)

(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.**

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