DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 2211

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 PROJECT

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

Routing Slip

To:	PED. (Nonmetallics Br.) Code 400	Date 11/15/51
To:	Ellis	Date 11-19-51
1. To:	Crittenden Rm. 5218 (G.S.)	Date 12-4-51
2. To:	Melcher (Rm. 3511)	Date 12-4-51
3. To:	Operating Comm. (Rm 4640 Int.)	Date 12-5-51
4. To:	Reports & Records (Int.)	Date
1. To:	Crittenden (Rm. 5218 G.S.)	Date 12-6-51
2. To:	Melcher (Rm. 3511 B.M.)	Date
3. To:	Oper. Comm. Rm. 4646 B.M.	Date
4. To:	Administrator 4640 B.M.	Date
5. To:	Mails & Files Rm. 4626	Date 12-11-51
To:		Date
To:		Date
To:		Date
To:		Date

DO NOT DETACH

CONTROLLED DOCUMENT

FILE COPY
SURNAME:

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

200

JAN 4 1952

Mr. John C. Farmer
504 Franklin Street
Johnson City, Tennessee

Re: Docket No. DMA-2211
Manganese

Dear Mr. Farmer:

This will acknowledge your card requesting the return of the Landlord's Subordination Agreement submitted by you with your application, docket No. DMA-2211.

The copies of the Landord's Subordination Agreement are returned herewith.

Sincerely yours,

SIGNED 1-4-52

Robert E. Adams
Acting Administrative Officer
Defense Minerals Exploration
Administration

Enclosures 4

READAMS/hb

Copy to: Adm. Reading File
DMEA Files ✓

62

Gentlemen:

Re: Docket No.
UMC-2211 (manganese)

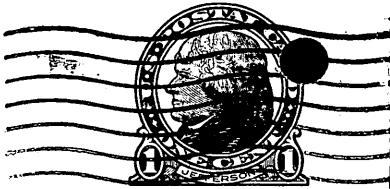
Kindly Return
all copies of
Landlords Subordination
Agreement which
were included in
application now in
your possession.
As our application was
denied you will no
longer need same.

John C. Farmer

504 Franklin St.
Johnson City, Tex.

JOHNSON CITY
DEC 19
9:30 AM
1951
TEXAS

THIS SIDE OF CARD IS FOR ADDRESS



DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 26 1951

Defense Minerals Adm.
Dept. of the Interior
Washington 25, D.C.

FILE COPY
SURNAME:

Mr
Crittenden
Melcher
Moore
Thayer
F.E. Johnson

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

S.C.

AIR MAIL

DEC 12 1951

Mr. John C. Farmer
504 Franklin Street
Johnson City, Tennessee

Re: Docket No. DMP-2211, (Manganese)

Dear Mr. Farmer:

Your application for an exploration contract on your manganese property in Unicoi County, Tennessee has been reviewed. ~~by members of this office and of the Geological Survey.~~

Based on an examination by Government representatives, and in the light of all the data available, there is not sufficient promise of making a significant discovery of manganese ore important to the National Defense. Under the circumstances we regret to inform you that your application is denied.

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

Sincerely yours,

S.V.
12-12

(Signed) FRANK E. JOHNSON (for)
Acting Administrator
Defense Minerals Exploration
Administration

EWEllis/jem 12-6-51
cc to: Adm. Reading File
Reports & Records
Docket
Messrs. Mittendorf
Crittenden
Melcher
Ellis
Laurence, Field Team, Reg. VII (2)

AIR MAIL

DEC 12 1951

Mr. John L. Farmer
504 Franklin Street
Johnson City, Tennessee

Re: Docket No. DMP-2211, (Manganese)

Dear Mr. Farmer:

Your application for an exploration contract on your manganese property in Unicoi County, Tennessee has been reviewed ~~by members of this office and of the Geological Survey~~.

Based on an examination by Government representatives, and in the light of all the data available, there is not sufficient promise of making a significant discovery of manganese ore important to the National Defense. Under the circumstances we regret to inform you that your application is denied.

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

Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Administrator
Defense Minerals Exploration
Administration

EWEllis/jem 12-6-51
cc to: Adm. Reading File
Reports & Records
Docket
Messrs. Rittendorf
Crittenden
Melcher
Ellis
Laurence, Field Team, Reg. VII (2)

OPERATING COMMITTEE
December 10, 1951

Denials

DMA-2211
Manganese
Region VII

JOHN C. FARMER, JOHNSON CITY, TENNESSEE. Property located in Unicoi County, Tennessee. Estimated cost from $12,000 to $15,000. Application denied. Letter to applicant. 12/10/51

AIR MAIL

Mr. John L. Farmer
504 Franklin Street
Johnson City, Tennessee

Re: Docket No. DM-2211, (Manganese)

Dear Mr. Farmer:

Your application for an exploration contract on your manganese property in Unicoi County, Tennessee has been reviewed ~~by members of this office and of the Geological Survey.~~

Based on an examination by Government representatives, and in the light of all the data available, there is not sufficient promise of making a significant discovery of manganese ore important to the National Defense. Under the circumstances we regret to inform you that your application is denied.

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

Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Administrator
Defense Minerals Exploration
Administration

EWEllis/jcm 12-6-51
cc to: Adm. Reading File
Reports & Records
Docket
Messrs. Rittendorf
Crittenden
Melcher
Ellis
Laurence, Field Team, Reg. VII (2)

Mittendorf file

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

DEPARTMENT OF THE INTERIOR
RECEIVED
DEC 3 1951
Defense Minerals Administration,
Production Expansion Division.

TO : C. O. Mittendorf

DATE: November 30, 1951

FROM : Max D. Crittenden, Jr.

SUBJECT: DMA-2211 Manganese. John C. Farmer, Unicoi County, Tennessee

$12,000 to $15,000

The applicant proposes to spend a total of $10,000 exploring a 14 acre tract of land located about one mile southeast of the town of Unicoi. This area on the southwest end of Little Mountain has been described as the Unicoi prospects by Stanley O. Reichert of the Tennessee Geological Survey and by Philip B. King of the U. S. Geological Survey, and is known to contain manganese. There is no evidence of columbium or tantalum, nor is any submitted by the applicant. Until actual assays are forthcoming, the applicant's references to Government participation above 75 percent should be ignored.

Several prospect pits dating from World War I expose fragments of high-grade manganese oxides and of brown iron ores. The entire area is underlain by residual clay of the shady dolomite which has yielded most of the manganese deposits in this part of Tennessee. Nevertheless the possibilities for discovery of significant deposits on this tract can only be regarded as fair to poor. Although it is probable that additional high-grade ore does exist in northeast Tennessee in residual shady dolomite, the statistical possibilities of finding ore on a given tract which shows no more inherent promise than this one can only be regarded as poor. If we do approve an application of this sort, we would open ourselves to participating in exploration of thousands of acres whose prospects for discoveries are no better.

In making reply to the applicant, it is suggested that we advise him that the property has been examined by representatives of the Federal Government, and that their findings do not indicate sufficient promise to warrant expenditure of the sum involved.

Max D. Crittenden

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
Nov 30 2 14 PM '51

DMA 2211

C. O. Mittendorf November 30, 1951

Max D. Crittenden, Jr.

DMA-2211 Manganese. John C. Farmer, Unicoi County, Tennessee

The applicant proposes to spend a total of $10,000 exploring a 14 acre tract of land located about one mile southeast of the town of Unicoi. This area on the southwest end of Little Mountain has been described as the Unicoi prospects by Stanley O. Reichert of the Tennessee Geological Survey and by Philip B. King of the U. S. Geological Survey, and is known to contain manganese. There is no evidence of columbium or tantalum, nor is any submitted by the applicant. Until actual assays are forthcoming, the applicant's references to Government participation above 75 percent should be ignored.

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In making reply to the applicant, it is suggested that we advise him that the property has been examined by representatives of the Federal Government, and that their findings do not indicate sufficient promise to warrant expenditure of the sum involved.

MDCrittenden:gt

DEPARTMENT OF THE INTERIOR
RECEIVED
NOV 29 1951
Defense Minerals Administration,
Production Expansion Division

Mr. Ellis

NONMETALLICS BR.

504 Franklin Street
November 27, 1951

Defense Minerals Administration
Washington 25, D. C.

Subject: DMA-2211
Re: Exploration Loan

Gentlemen:

Thank you for your letter acknowledging receipt of our Application which you now identify under DMA-2211.

You have, according to the above letter to us, referred our application to the Nonmetalics Branch. Would manganese and columbium ores, both metalic, come in that category? They are the metalic ores described in our application.

We would appreciate an early reply as to when we may expect some action on DMA-2211.

Respectfully,

John C. Farmer

John C. Farmer

Declined Dec. 4 - 1951
No answer necessary
E.L.E.

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
NOV 29 10 35 AM '51

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

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

Not To Be Filled in by Applicant

Docket No. dpma 2211 X
Metal or Mineral
Date Received 11-6-51
Amount $
Participation (Government %)

Name and address of applicant

JOHN C. FARMER
504 Franklin St.
Johnson City, Tennessee

Date NOVEMBER 1, 1951

If you have already filed MF-100, give date filed ATTACHED HEREWITH, type of assistance requested EXPLORATION PROJECT AID,
DMA Docket Number (if available) NONE.

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*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. ALL PROPERTY INVOLVED DESCRIBED IN LEASE COPY ATTACHED - NO MINE.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application. ATTACHED HEREWITH.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. ENTIRE PROPERTY DESCRIBED IN LEASE ATTACHED.

   NOTE: (1) 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 (*c*) 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. SAME.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract. ATTACHED HEREWITH.

2. (*a*) What metals or minerals do you expect to find? COLUMBIUM-TANTALUM & MANGANESE ORES.

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

ATTACHED HEREWITH.

16—64067-2

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project. ATTACHED PAPERS.

   (*b*) State the time required to start the project and to complete it. ATTACHED PAPERS.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc. ATTACHED PAPERS.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition. HAVE NONE.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item. NONE NEEDED.

7. Furnish a detailed list of operating equipment, separated into items to be— ATTACHED PAPERS.

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each. ATTACHED PAPERS.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above. ATTACHED PAPERS.

10. (*a*) How much are you prepared to invest in the proposed project? $3000.00.

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO-5)? YES.

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions. ATTACHED PAPERS.

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.

JOHN C. FARMER
(Name of company)

By John C. Farmer
(Signature of authorized official)

NOVEMBER 1, 1951
(Date)

OWNER
(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—64067-2

John C. Farmer, 504 Franklin St., Johnson City, Tenn.

MF-103
1. (b)

(COPY) [illegible] AGREEMENT

This agreement made and entered into this 1st. day of October, 1951, by and between Felt Hensley, Jr., and Patsy Rhoton Hensley, of Unicoi County, State of Tennessee, parties of the first part and John C. Farmer, 504 Franklin St., Johnson City, Tenn., party of the second part.

Witnesseth, that the parties of the first part, in consideration of one dollar in hand paid, the receipt of which is hereby acknowledged, have granted, leased, demised and let unto the parties of the second part, his principals, heirs and assigns until all minerals shall have been mined that can profitably be mined therefrom, the sole and exclusive right to mine and transport all of any minerals on, within and over that certain tract of land situate, lying and being in the 3rd. Civil District of Unicoi County, State of Tennessee, containing 43 more or less of land bounded in general terms as follows; on the East by land of U. S. Government; on the South by land of Rutherford; on the North by land of Peterson; on the West by land of Pate. Also one other tract of land containing one acre more or less and adjoining above described tract. This is the same property conveyed to Patsy Rhoton by Glenn Street, et ux, and recorded in Book [illegible] 74, p. 30, to which deed reference is here made.

Said parties of the first part hereby grant full mining rights to said parties of the second part and assigns, including all necessary roadways, pipe lines, water and power lines over and across said property.

Said parties of the first agree with parties of the second parties that this agreement is to become effective as of this day written and continue in force for a period of four months with option of renewal for four additional months. Option to be put in force within ten days after completion of this four month agreement.

Said second parties hereby agree to pay to the first parties ten percent of each dealer check as royalty on ores mined, washed and shipped from said property. Ruby

This agreement shall become null and void upon completion of mining and/ or exploration at the end of ninty days of such inactivity and the party of the second part agrees to remove all equipment, machinery and buildings erected upon said property within thirty days after this agreement becomes null and void.

The first parties covenant with the second parties that they are lawfully seized and possessed of said land in fee simple; have a good and lawful right to lease the same and to mineralize.

In witness whereof, the said first parties have duly executed this instrument the day and the year first written above.

(Signed) Felt Hensley
(Signed) Patsy Rhoton Hensley

STATE OF TENNESSEE:
Co. of Unicoi, Unicoi, Tennessee,
October 4, 1951, and, Tennessee Corporation
Expires, April 23, 1955.

Registered in State of Tennessee, County of Unicoi, by the Register of Deeds for Unicoi County at 2:00 P.M., on the 4th. day of October, 1951, and noted in Book 2, Page 242, and recorded in Mtg. Book No. 49, Page 276-79 by Howard Slaton, Register of Deeds for Unicoi County, State of Tennessee.

dma 2211

John C. Farmer
504 Franklin Street
Johnson City, Tennessee

November 1, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 6 1951

The Defense Minerals Administration
Department of the Interior
Washington 25, D. C.

Gentlemen:

Applications, accompanying papers, and attachments (under regulations of Mineral Order 5, as amended) are completed and the same is enclosed herewith. They are listed as follows:

1.	MF-103	Form.	4.
2.	MF-202	Form 1. (c)note 2	4.
3.	MF-203	Attachment 1. (b)	4.
4.	MF-103	" 2. (b)	4.
5.	MF-103	" 3. (a) (b)	4.
6.	MF-103	" 4.	4.
7.	MF-103	" 7. (a) (b) (c)	4.
8.	MF-103	" 8	4.
9.	MF-103	" 9	4.
10.	MF-103	" 11	4.
11.	MF-100	Form	4.
12.	MF-100	Attachment 6. (a)(b)	4.
13.	MF-100	" 7. (a) (b) (c)	4.

TOTAL SINGLE PAPERS 52.

Respectfully,

John C. Farmer

ENCL: 52

OFFICIAL FILE COPY
TO
Date

MF-103

2. (b)

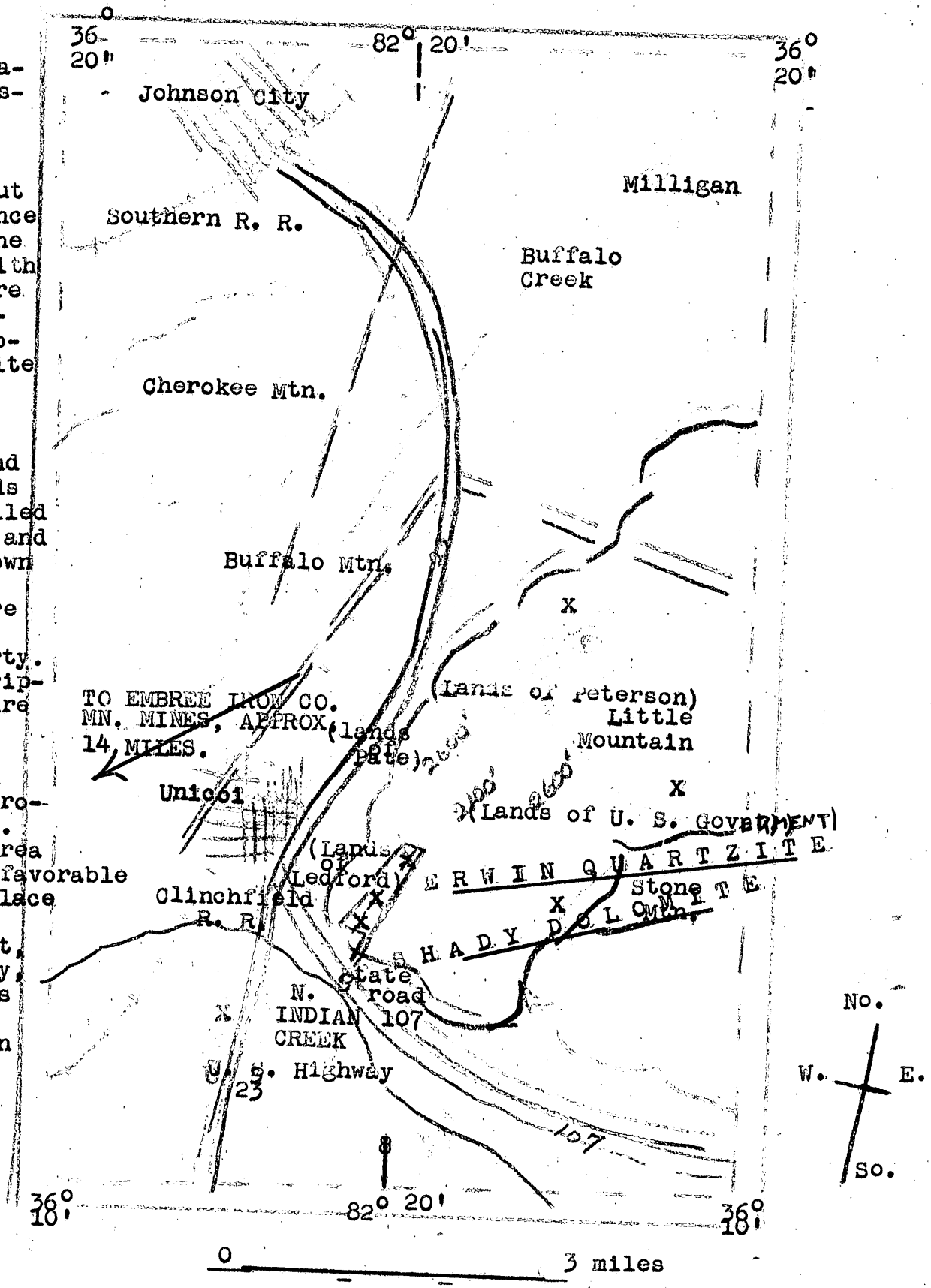
JOHN C. FARMER
504 Franklin St.
Johnson City, Tenn.
Nov. 1, 1951

The geologic features of this prospect is of a synclinal structure faulted along the southeast flank but with normal sequence of strata along the Northwest flank with manganese float ore present on the unfaulted Shady dolomite Erwin quartzite contact.

The manganese occurs mainly as psilomelane ore and pyrolusite, in beds of yellow clay called buck fat or ochre and ranges in depth down to 40 or 60 feet. Manganese float ore is found over the entire said property.

The above description as to structure and the geology is comparable to that of the Embree Iron Co., the largest producer in this area.

This prospect area was reported very favorable and a desireable place for mn. ore by, Stanley O. Reichert, Division of Geology, Manganese Resources of East Tennessee, Bulletin no. 50, in 1942.



X -- MANGANESE MINE

[X X X] -- EXPLORATION PROJECT

JOHN C. FARMER
504 Franklin St.
Johnson City, Tennessee
November 1, 1951

(a) The proposed work shall consist of drill prospecting the entire property consisting of approximately 15 acres. The peculiar mode of occurrence of manganese ore in East Tennessee makes prospect drilling a first and most important factor as the ore is always found in pockets and disseminated lenses. Therefore I propose to stake out 75 foot squares and drill to depths of around 40' to 60' at the corners with an occasional test shaft.

The above work will require definite number of terraced roads and can be done with suitable angledozer.

For each four feet drilled, a bailer sample of muck will be taken. If the hole ravels casing will be driven where needed. Samples will be taken for each 4' depth, quarted and analyzed, then a log map will be made by subtracting the depths from the surface elevation with all other data tabulated.

The above represents the fundamental work proposed. By necessity there will be many and numerous details and other work involved along with that of general supervision which I propose to carry out myself. Besides mn. oxide definitely indicated on said property some samples of the semi-metalic black columbium-tantalum ore may be present in commercial quanities as indicated by a few samples found. The latter would possibly require further and different type of prospecting as this would be likely found in veins.

The estimated cost of this project will be $12000.00 to $15000.00.

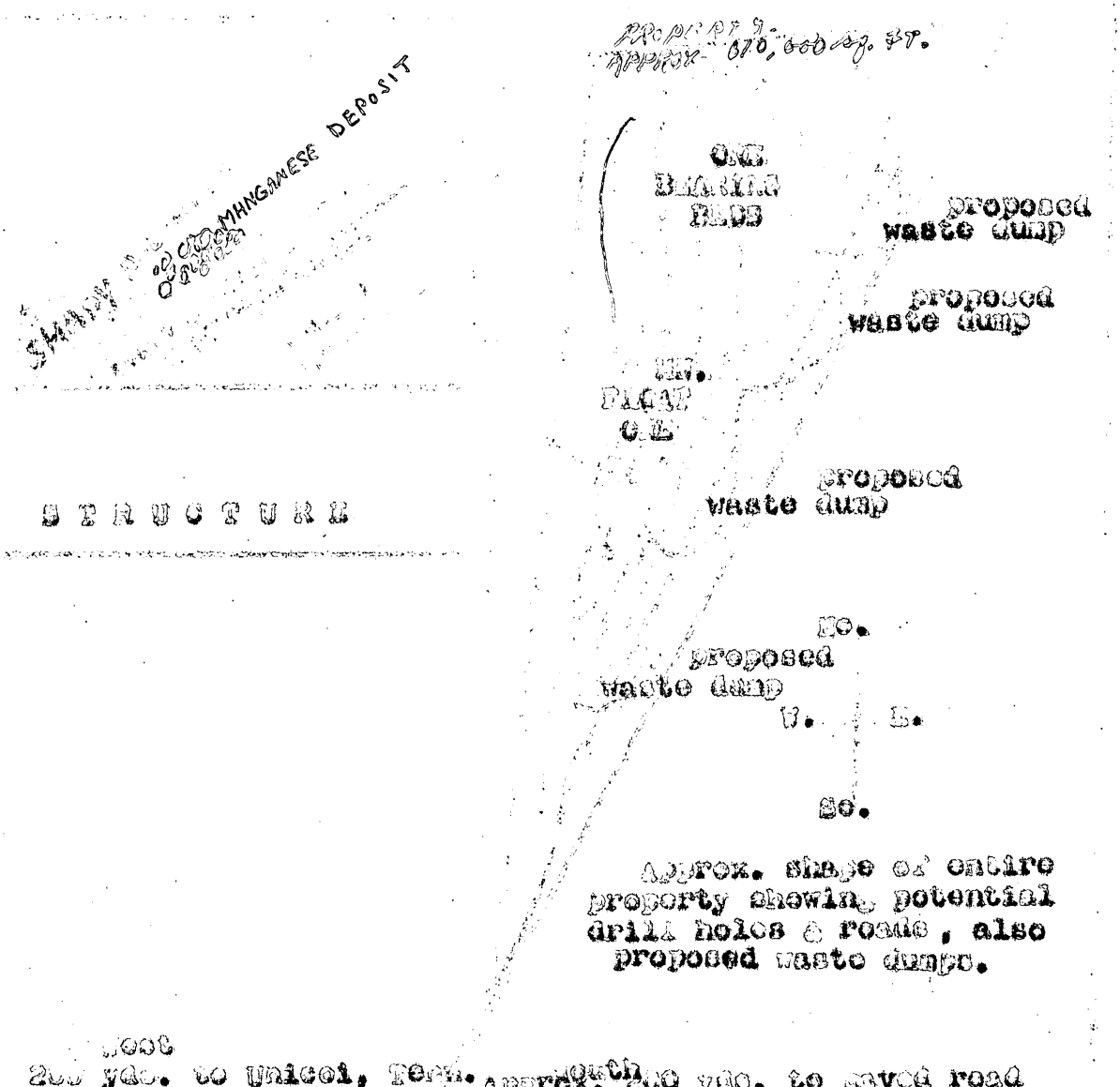
(b) The time to start and complete the above project will be approximately one to two years. This takes into account the weather and other possible conditions not controled by applicant.

MP-103

4.

JOHN C. FARRAR
504 Franklin St.
Johnson City, Tennessee

November 1, 1951



West
200 yds. to Unicoi, Tenn. and railroad.

South
Approx. 200 yds. to paved road State highway No., 107.

Approx. 210 yds. to N. Indian Creek, ore washing sight., across said highway, South.

NOTE: Road rights and ways to state highway is a portion of the above property and is included in the property lease.

MF-103

7.

JOHN C. FARMER
504 Franklin St.
Johnson City, Tennessee
November 1, 1951

(a) ANGLEDOZER ---- $15.00 per hour.

power shovel ---- $15.00 per hour.

POWER DRIVEN
6" churn drill -- $18.75 per hour.

DUMP TRUCK ---- $03.25 per hour.

The prices on all the above listed equipment includes the operator as well as all other cost.

(b) No plans to purchase any major equipment.

(c) No plans to furnish any major equipment by self.

MF-103

2.

JOHN C. FARMER
504 Franklin St.
Johnson City, Tennessee
November 1, 1951

(a) ANGLEDOZER ---- $15.00 per hour.

power shovel ---- $15.00 per hour.

POWER DRIVEN
6" churn drill -- $18.75 per hour.

DUMP TRUCK ---- $03.25 per hour.

The prices on all the above listed equipment includes the operator as well as all other cost.

(b) No plans to purchase any major equipment.

(c) No plans to furnish any major equipment by self.

MW-109

U.

JOHN [illegible]
304 Franklin St.
Johnson City, Tennessee
November 1, 1951

MINOR: 2

ONE MINOR ---------- 1.50 PER HOUR.
ONE MINOR ---------- 1.50 PER HOUR.

SUPERVISOR: 1

GENERAL MAINTENANCE
ONE MAIN MECHANIC-- 2.25 PER HOUR.

JOHN C. FARMER
504 Franklin St.
Johnson City, Tennessee
November 1, 1951

ESTIMATED COST:

Materials----------	$500.00.
Supplies----------	$500.00.
Engineering----------	(listed, MF-103 8.)
Assaying----------	$200.00.
Accounting----------	$200.00.
All utilities----------	$500.00.

JOHN C. FARMER
504 Franklin St.
Johnson City, Tennessee

MF-103

November 1, 1951

11.

Referring to MF-100, 7. (a) (b) and (c) accompanying papers It is noted that prospect on said property meets all the geological specifications known where sizable deposits of manganese ore have been found and mined in commercial quanities. That is, the formation is right for the occurance of mn. from the weathering of the dolomite, etc. The psilomelane as well as pyrolusite oxides are both found in abundance. Hand picked samples were analyzed 55.9 percent mn. with less than ½ of 1 percent phosephorous, silica, etc. by The Tennessee Coal, Coak and Iron Company, Birmingham, Ala. This very favorable prospect location regarding manganese and referring to Sec. 8., MO-5; the government aid ratio contributed would be 75 percent, whereas, the aid ratio offered for columbium-tantalum is 90 percent.

The discovery of columbium-tantalum on the sight and location of the proposed exploration project seems favorable also for both the exploration of this mineral as well as for manganese. The government participation aid to us of 90 percent is preferred.

A 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 2211

Date received 11-6-51

NOV 6 AM 1951

John C. Farmer
504 Franklin St.
Johnson City, Tennessee

Name and address of applicant

Date November 1, 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? INAPPLICABLE
   (*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. INAPPLICABLE
   (*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.
   (*b*) Mining district.
   (*c*) Township, Section, Range. INAPPLICABLE
   (*d*) County, State.
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. NOT IN OPERATION
   - ☐ Contractor.
5. Number of years in production ~~XXXXXXXXXXXX~~ NONE

   If not in production or operation, estimated date when production will begin ~~INAPPLICABLE~~ NOVEMBER, 1952
6. Experience of operators: SEE ACCOMPANYING PAPERS

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History: SEE ACCOMPANYING PAPER
   (*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.

NONE

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:

NONE

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:

INAPPLICABLE

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. INAPPLICABLE

Ore or Mineral Reserves: INAPPLICABLE

(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: Prospect location 200 yards to first class surfaced roads, residence & railroad shipping point.

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

14. Water Supply: N. Indian Creek, ample quanity year around.

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

15. Power: INAPPLICABLE

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

16. Labor: INAPPLICABLE

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

17. Equipment and Facilities: NONE

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.

INAPPLICABLE

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.

John C. Farmer
(Name of company)

By John C. Farmer
(Signature of authorized official)

November 1, 1951
(Date)

OWNER
(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—63702-1

JOHN C. MAYER
504 Fountain St.
Johnson City, Tennessee

Nov. 1, 1951

(a) [illegible]:

1927-1928 --- I was employed on the C Dam, Hoover Dam Const., Boulder City, Nev., through the Continental Divide, East Portal, and had various positions including those of driller, mucker, track man and [illegible]. [illegible].

1935-1937 --- The U. S. Army Engineer Corps Reclamation Dam Const. Sons. Located 7 miles out of Honolulu, at Aliamanu Crater, Oahu Island, Territory of Hawaii; where I had experience working in the capacity of [illegible] which involved of [illegible] of hard rock mining, blasting, rehandling, drilling and concrete lining, by the Junior Engineer, Construction and mining engineer. This date construction was carried out by the Fullerton Const. Co. of Los Angeles as the prime contractor, as I recollect.

[illegible] [illegible]:

1930 ------- Mineral Soda Ash in California.

1940-1942 -- Mineral Mining of Sop Lake on Francisco Division of Southern Pacific Company that was located in Colusa, California.

1942-1945 -- Mineral Mining and Reclaiming of Mineral Soda by Solvay, Solvay in Indianapolis, Indiana.

1946 ------- Mineral Prospecting in Virginia and Tennessee.

(b) [illegible]:

Same as (a.)

JOHN C. FARM
504 Franklin St.
Johnson City, Tennessee

MF-100

7. HISTORY

Nov. 1, 1951

(a) Previous exploration:

In the year of about 1940 old iron pits and discarded machinery were found on the slopes and hills of Little Mountain, particularly abundant manganese float ore appearing at the South end of Little Mountain, the present location of our prospect. It is said that a Mr. Blevins of Unicoi, Tenn. prospected the said location. A Mr. Red is alleged to have mined manganese here about the year of 1942 and is said to have sold about $40,000.00 worth at that time. This ore was on the surface or close to it from the examination of shallow cuts showing now. The fall in price of manganese after World War Two resulted in suspension of operations.

(b) HISTORY OF ADJOINING PROPERTIES:

The surrounding manganese deposits occured chiefly at four mines, the T. J. Brummett, Susan Brummett, and Britt mines, in the Unicoi district, and the Embree Iron Company mine in the Bumpass Cove district.

The T. J. Brummett mine is reported to have shipped about 140 tons of 52 percent ore about the year of 1918 to Southern Manganese Corp., Anniston, Ala. In 1885 the Susan Brummett mine was operated by Southern Manganese Corp. of Birmingham, Ala. and produced some ore. In 1918 the mine was reopened with a double log washer put into operation. The ore consisted of psilomelane, manganite and pyrolusite oxides. The average mn. content was about 38 percent. The Britt mine was first opened in 1898 by Colonel Kirk who shipped a carload of ore. Opened later by W. H. Kemler of Johnson City and in 1918 was taken over by Southern Manganese Corp. H. C. Brooks Sand & Gravel Co. took this mine over in 1940.

The Embree Iron Co. mine, also of Unicoi County was the leading producer of metallurgical grade manganese in 1939. It was mainly responsible for Tennessee becoming the largest producer that year. The deposits represented here are thought to be typical of East Tenn. type of deposits. Regional geology of this mine area is covered by Roan Mnt. folios no. 151 and 118, U. S. Geological Atlas.

(c) Mr. O'Neil, D. M. A., Knoxville, Tenn. recommended the value highly of this prospect, it is reported.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-1

MF-103 Should Be Filed With General Technical Data Form MF-100

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

Not To Be Filled in by Applicant

Docket No. dma 2211
Metal or Mineral Manganese
Date Received 11-6-51
Amount $
Participation (Government %)

RECEIVED NOV 6 1951 Defense Minerals Administration

Name and address of applicant

JOHN C. FARMER
504 Franklin St.
Johnson City, Tennessee

Date NOVEMBER 1, 1951

If you have already filed MF-100, give date filed ATTACHED HEREWITH, type of assistance requested EXPLORATION PROJECT AID,

DMA Docket Number (if available) NONE

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*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. ALL PROPERTY INVOLVED DESCRIBED IN LEASE COPY ATTACHED - NO MINE.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application. ATTACHED HEREWITH.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.
   ENTIRE PROPERTY DESCRIBED IN LEASE ATTACHED.

   NOTE: (1) 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 (*c*) 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.
   SAME.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.
   ATTACHED HEREWITH.

2. (*a*) What metals or minerals do you expect to find? (COLUMBIUM-TANTALUM) & MANGANESE ORES.

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.
   ATTACHED HEREWITH.

16—64067-2

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project. ATTACHED PAPERS.

   (*b*) State the time required to start the project and to complete it. ATTACHED PAPERS.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

   ATTACHED PAPERS.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition. HAVE NONE.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item. NONE NEEDED.

7. Furnish a detailed list of operating equipment, separated into items to be— ATTACHED PAPERS.

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each. ATTACHED PAPERS.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

   ATTACHED PAPERS.

10. (*a*) How much are you prepared to invest in the proposed project? $3000.00.

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)? YES.

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

    ATTACHED PAPERS.

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.

JOHN C. FARMER
(Name of company)

By John C. Farmer
(Signature of authorized official)

NOVEMBER 1, 1951
(Date)

OWNER
(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—64067-2

John C. Farmer, 504 Franklin St., Johnson City, Tenn.

MF-103
1. (b)

11-1-51

(COPY) MINERAL LEASE AGREEMENT

This agreement made and entered into this 1st. day of October, 1951, by and between Holt Hensley, Jr., and Patsy Rhoton Hensley, of Unicoi county, State of Tennessee, parties of the first part and John C. Farmer, 504 Franklin Sr., Johnson City, Tenn., party of the second part.

WITNESSETH, that the parties of the first part, in consideration of one dollar in hand paid, the receipt of which is hereby acknowledged, have granted, leased, demised and let unto the parties of the second part, his principals, heirs and assigns until all minerals and ores shall have been mined that can profitably be mined therefrom, the sole and exclusive right to mine and transport all or any minerals on, within and over that certain tract of land situate, lying and being in the 3rd. Civil District of Unicoi County, State of Tennessee, containing 14 acres more or less of land bounded in general terms as follows; on the East by land of U. S. Government; on the South by land of Ledford; on the North by land of Peterson; on the West by land of Pate. Also one other tract of land containing one eighth acre more or less and adjoining above described tract. This is the same property conveyed to Patsy Rhoton by Glenn Street, et ux, and recorded in Deed Book 74, p. 56, to which deed reference is here made.

Said parties of the first part hereby grant full mining rights to said parties of the second part and assigns, including all necessary roadways, pipe lines, water and power lines over and across said property.

Said parties of the first agree with parties of the second parties that this agreement is to become effective as of this day written and continue in force for a period of four months with option of renewal for four additional months. Option to be put in force within ten days after completion of this four month agreement.

Said second parties hereby agree to pay to the first parties ten percent of each smelter check as royalty on ores mined, washed and shipped from said property.

This agreement shall become null and void upon cessation of mining and/ or exploration at the end of ninty days of such inactivity and the party of the second part agrees to remove all equipment, machinery and buildings erected upon said property within thirty days after this agreement becomes null and void.

The first parties covenant with the second parties that they are lawfully seized and possessed of said land in fee simple; have a good and lawfull right to lease the same and is unincumbered.

In WITNESS WHEREOF, the said first parties have duly executed this instrument the day and the year first written above.

(signed) Holt Hensley
(signed) Patsy Rhoton Hensley

NOTARIZED BY:
G. F. Keene, Unicoi, Tennessee,
October 2, 1951, and, whose commission
expires, April 23, 1955.

RECORDED in State of Tennessee, County of Unicoi, by the register of deeds for Unicoi County at 11:30 O'Clock, A. M., on the 4th. day of October, 1951, and noted in Book 3, page 242, and recorded in Mtg. Book No. 19, Pages 378-79 by Howard Mallot, Register of Deeds for Unicoi County, State of Tennessee.

MF-103

2. (b)

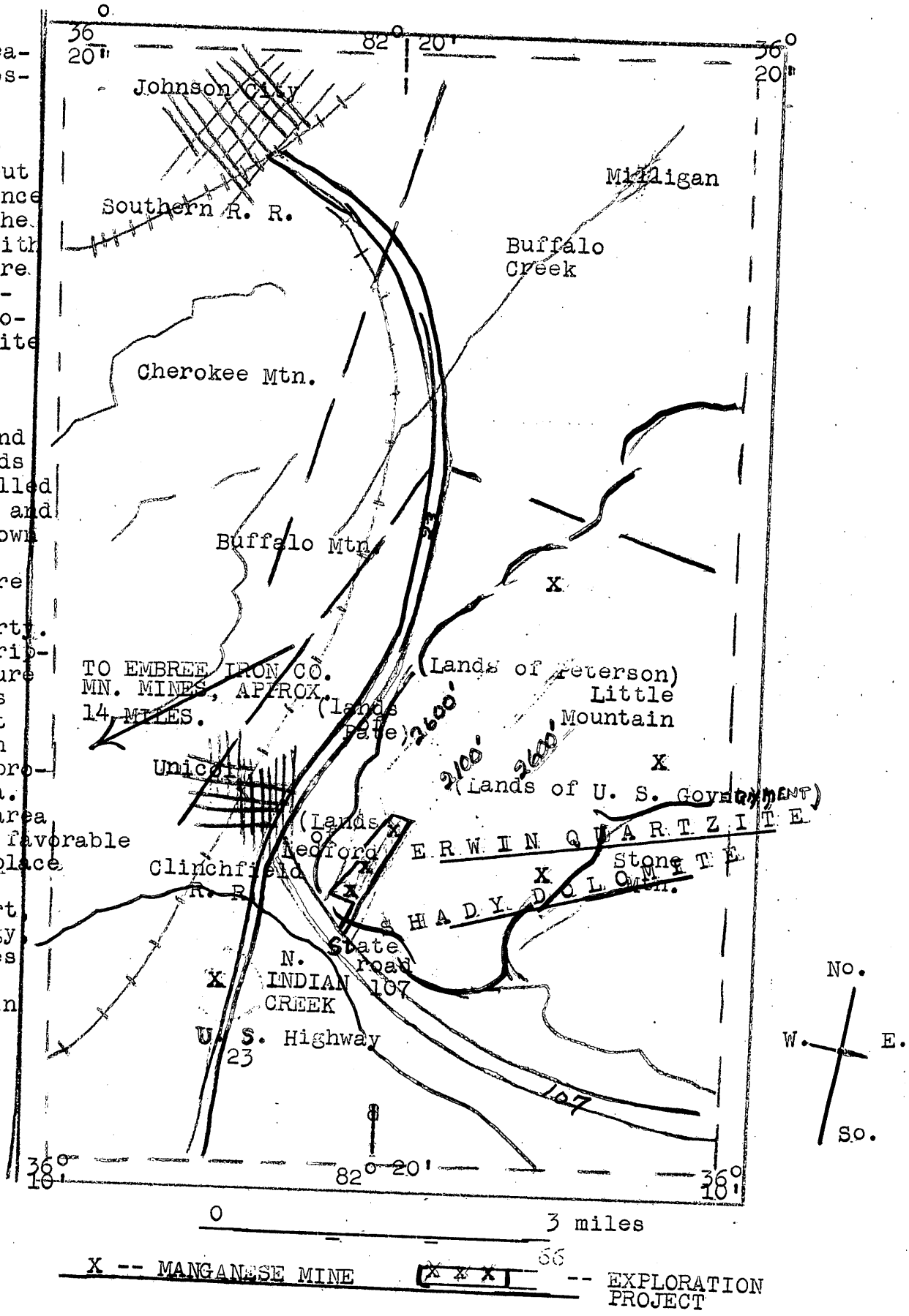
JOHN C. FARMER
504 Franklin St.
Johnson City, Tenn.
Nov. 1, 1951

The geologic features of this prospect is of a synclinal structure faulted along the southeast flank but with normal sequence of strata along the Northwest flank with manganese float ore present on the unfaulted Shady dolomite Erwin quartzite contact.

The manganese occurs mainly as psilomelane ore and pyrolusite, in beds of yellow clay called buck fat or ochre and ranges in depth down to 40 or 60 feet. Manganese float ore is found over the entire said property.

The above description as to structure and the geology is comparable to that of the Embree Iron Co., the largest producer in this area.

This prospect area was reported very favorable and a desireable place for mn. ore by, Stanley O. Reichert, Division of Geology, Manganese Resources of East Tennessee, Bulletin no. 50, in 1942.



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3.

JOHN C. FARMER
504 Franklin St.
Johnson City, Tennessee
November 1, 1951

(a) The proposed work shall consist of drill prospecting the entire property consisting of approximately 15 acres. The peculiar mode of occurrence of manganese ore in East Tennessee makes prospect drilling a first and most important factor as the ore is always found in pockets and disseminated lenses. Therefore I propose to stake out 75 foot squares and drill to depths of around 40' to 60' at the corners with an occasional test shaft.

The above work will require definite number of terraced roads and can be done with suitable angledozer.

For each four feet drilled, a bailer sample of muck will be taken. If the hole ravels casing will be driven where needed. Samples will be taken for each 4' depth, quarted and analyzed, then a log map will be made by subtracting the depths from the surface elevation with all other data tabulated.

The above represents the fundamental work proposed. By necessity there will be many and numerous details and other work involved along with that of general supervision which I propose to carry out myself. Besides mn. oxide definitely indicated on said property some samples of the semi-metalic black columbium-tantalum ore may be present in commercial quanities as indicated by a few samples found. The latter would possibly require further and different type of prospecting as this would be likely found in veins.

?

The estimated cost of this project will be $12000.00 to $15000.00.

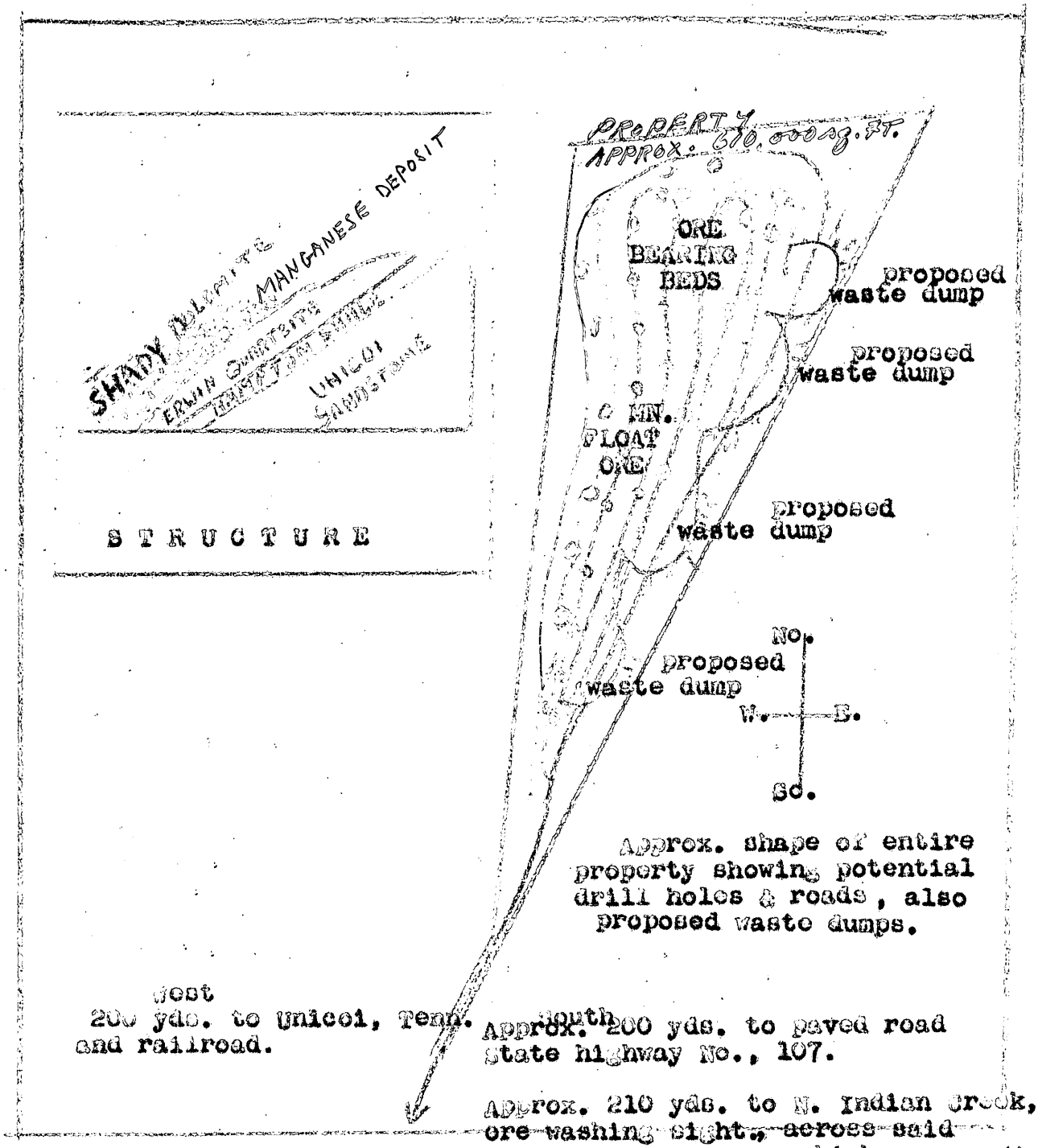
(b) The time to start and complete the above project will be approximately one to two years. This takes into account the weather and other possible conditions not controled by applicant.

MF-103

4.

JOHN C. FARMER
504 Franklin St.
Johnson City, Tennessee

November 1, 1951



NOTE: Road rights and ways to state highway is a portion of the above property and is included in the property lease.

[illegible]
[illegible]
[illegible]
[illegible]

(a) [illegible] ---- [illegible] per [illegible].

[illegible] ---- [illegible] per [illegible].

[illegible] ---- [illegible] per [illegible].

[illegible] ---- [illegible] per [illegible].

The [illegible] on [illegible] the above [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].

(b) No plans to purchase any major equipment.

(c) No plans to install any major equipment by [illegible].

MF-103

8.

JOHN C. FARMER
504 Franklin St.
Johnson City, Tennessee
November 1, 1951

LABORS: 2

One miner ---------- $1.50 per hour.
one mucker --------- $1.00 per hour.

SUPERVISORS: 1

General Superintendent
and Mining Engineer-- $3.25 per hour.

MF-103

9.

JOHN [illegible]
504 Franklin St.
Johnson City, Tennessee
November 1, 19[illegible]

[illegible] SHEET:

Rent Place	100.00.
Medical	100.00.
Medicine	(illegible)
Food	200.00.
Clothing	200.00.
All utilities	100.00.

[illegible]

[illegible]

[illegible] 79 percent, [illegible] 90 percent.

[illegible] discovery of [illegible] project [illegible] 90 percent is preferred.

Not really!

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. Sma 2 2 H

Date received 11-6-51

RECEIVED NOV 6 1951

John C. Farmer
504 Franklin St.
Johnson City, Tennessee

Name and address of applicant

Date November 1, 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? INAPPLICABLE
   (*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. INAPPLICABLE
   (*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.
   (*b*) Mining district.
   (*c*) Township, Section, Range. INAPPLICABLE
   (*d*) County, State.
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. NOT IN OPERATION
   ☐ Contractor.
5. Number of years in production ~~XXXXXXXXXXXX~~ NONE
   If not in production or operation, estimated date when production will begin NOVEMBER, 1952
6. Experience of operators: SEE ACCOMPANYING PAPERS
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History: SEE ACCOMPANYING PAPERS
   (*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.

NONE

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:

NONE

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:

INAPPLICABLE

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. INAPPLICABLE

12. Ore or Mineral Reserves: INAPPLICABLE

(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: Prospect location 200 yards to first class surfaced roads, residence & railroad shipping point.

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

14. Water Supply: N. Indian Creek, ample quanity year around.

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

15. Power: INAPPLICABLE

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

16. Labor: INAPPLICABLE

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

17. Equipment and Facilities: NONE

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.

INAPPLICABLE

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.

John C. Farmer
(Name of company)

By John C. Farmer
(Signature of authorized official)

November 1, 1951
(Date)

OWNER
(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

JOHN C. FARMER
504 Franklin St.
Johnson City, Tennessee

Nov. 1, 1951

(a) PRINCIPAL MINING EXPERIENCE:

1927-1928 --- I was employed on the 6 mile, Moffatt Tunnel const., West of Denver, Colo., through the Continental Divide, East portal; and held various positions including those of driller, mucker, track man and gen. mine labor.

1936-1937 --- The U. S. Army Engineer Corps fortification tunnel const. located 7 miles out of Honolulu, at Alimanu Crater, Oahu Island, Territory of Hawaii; where I had experience working in the capacity of Foreman which covered all phases of hard rock mining, blasting, reinforcing, drilling and concrete lining by the gunite method, computations and mining engineering. This said Construction was contracted to the Druillard Const. Co. of Los Angeles as the prime Contractor, as I remember.

PRINCIPAL BUSINESS EXPERIENCE:

1938 ------- General sales work in California.

1941-1945 -- General Manager for the San Francisco Division of Defense Identification Company with main offices in Oakland, California.

1945-1948 -- General Manager and President of National PhotoCopy Company, located in Indianapolis, Indiana.

1948 ------- Mineral prospecting in Virginia and Tennessee.

(b) EXPERIENCE OF OPERATORS:

Same as (a.)

MP-100

7. M[illegible]

[illegible] J. [illegible]
504 Franklin [illegible].
Johnson City, Tennessee

Nov. 1, 1951

(a) Previous exploration:

In the year of about 1840 old iron pits and discarded machinery were found on the slopes and hills of Little Mountain, particularly abundant manganese float ore appears at the south end of Little Mountain, the present location of our prospect. It is said that a Mr. Blevins of Unicoi, Tenn. prospected the said location. A Mr. [illegible] is also said to have mined manganese here about the year of 1916 and is said to have sold about 250,000.00 worth at that time. This ore was on the surface or close to it from the amalgamation of shallow cuts showing now. The fall in price of manganese after WW I ended the two months in suspension of operations.

(b) [illegible]:

The surrounding manganese deposits occurred chiefly as veins [illegible], the T. J. Franklin, [illegible] Freeman, and Pritt mines, in the Unicoi district, and the Cherokee Iron Company mine in the [illegible] Cove district.

The T. J. Franklin mine is reported to have employed about 150 tons of 35 percent ore about the year of 1910 to Southern Manganese Corp., N. Lyon, Ala. In 1915 the Lyon Furnace mine was operated by Southern Manganese Corp. of Birmingham, Ala. and produced [illegible] ore. In 1916 the mine was producing with a double [illegible] and also operation. The ore consisted of psilomelane, manganite and pyrolusite oxides. The average Mn. content was about 35 percent. The Pritt mine was first opened in 1918 by Colonel Kirk who shipped a carload of ore. Opened later by J. H. Lenior of Johnson City and in 1918 was taken over by Southern Manganese Corp. H. [illegible] Frost and [illegible] Revol [illegible] also over in 1940.

The Cherokee Iron Co. mine, also of Unicoi County was the leading producer of metallurgical grade manganese in 1939. It was a mainly manganiferous iron producer that year. The deposits represented here are to be typical of this form. Type of deposits. Geological geology of this mine area is covered by Mr. Carlton Ko. [illegible] and Lt. U. S. Geological Survey.

(c) Mr. [illegible], U. S. [illegible], Knoxville, Tenn. recently checked the value XXXXX of this property, it is reported.

Subject: DMA-2211
Re: Exploration Loan

Mr. John C. Farmer
504 Franklin Street
Johnson City, Tennessee

My dear Mr. Farmer:

This will acknowledge receipt of your application dated November 1, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMA-2211 and referred to the Nonmetallics Branch.

Kindly refer to DMA-2211 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams

Robert E. Adams, Chief
Reports and Records Unit

2463

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. dmm 2211

Date received 11-6-51

John C. Farmer
504 Franklin St.
Johnson City, Tennessee

Name and address of applicant

Date November 1, 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: INAPPLICABLE
   (*a*) What are the chief mine, mill, or smelter products?
   (*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. INAPPLICABLE
   (*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.
   (*b*) Mining district.
   (*c*) Township, Section, Range. INAPPLICABLE
   (*d*) County, State.
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. NOT IN OPERATION
   ☐ Contractor.
5. Number of years in production NONE

   If not in production or operation, estimated date when production will begin NOVEMBER, 1952
6. Experience of operators: SEE ACCOMPANYING PAPERS

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. SEE ACCOMPANYING PAPERS
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.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

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

Not To Be Filled in by Applicant

Docket No. dmg 2211
Metal or Mineral Manganese
Date Received 11-6-51
Amount $
Participation (Government %)

Name and address of applicant

JOHN C. PARKER
504 Franklin St.
Johnson City, Tennessee

Date NOVEMBER 1, 1951

If you have already filed MF-100, give date filed ATTACHED HEREWITH, type of assistance requested EXPLORATION PROJECT AID,

DMA Docket Number (if available) NONE

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*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. ALL PROPERTY INVOLVED DESCRIBED IN LEASE COPY ATTACHED - TO ATTACHED HEREWITH.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application. ATTACHED HEREWITH.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. ENTIRE PROPERTY DESCRIBED IN LEASE ATTACHED.

   NOTE: (1) 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 (*c*) 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. LEASE.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract. ATTACHED HEREWITH.

2. (*a*) What metals or minerals do you expect to find? COLUMBIUM-TANTALUM & MANGANESE ORES.

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned. ATTACHED HEREWITH.

16—64067-2

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project. ATTACHED PAPERS.

   (*b*) State the time required to start the project and to complete it. ATTACHED PAPERS.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc. ATTACHED PAPERS.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition, NAVE NONE.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item. NONE NEEDED.

7. Furnish a detailed list of operating equipment, separated into items to be— ATTACHED PAPERS.

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each. ATTACHED PAPERS.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above. ATTACHED PAPERS.

10. (*a*) How much are you prepared to invest in the proposed project? $5000.00.

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)? YES.

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions. ATTACHED PAPERS.

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.

JOHN C. FARMER
(Name of company)

By John C. Farmer
(Signature of authorized official)

NOVEMBER 1, 1951
(Date)

OWNER
(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—64067-2

John C. Farmer, 504 Franklin St., Johnson City, Tenn.

MF-103 (COPY) MINERAL LEASE AGREEMENT

1.(b) This agreement made and entered into this 1st. day of October, 1951, by and between Holt Hensley, Jr., and Patsy Rhoton Hensley, of Unicoi county, State of Tennessee, parties of the first part and John C. Farmer, 504 Franklin Sr., Johnson City, Tenn., party of the second part.

WITNESSETH, that the parties of the first part, in consideration of one dollar in hand paid, the receipt of which is hereby acknowledged, have granted, leased, demissed and let unto the parties of the second part, his principals, heirs and assigns until all minerals and ores shall have been mined that can profitably be mined therefrom, the sole and exclusive right to mine and transport all or any minerals on, within and over that certain tract of land situate, lying and being in the 3rd. Civil District of Unicoi County, State of Tennessee, containing 14 acres more or less of land bounded in general terms as follows; on the East by land of U. S. Government; on the South by land of Ledford; on the North by land of Peterson; on the West by land of Pate. Also one other tract of land containing one eighth acre more or less and adjoining above described tract. This is the same property conveyed to Patsy Rhoton by Glenn Street, et ux, and recorded in Deed book 74, p. 56, to which deed reference is here made.

Said partiesof the first part hereby grant full mining rights to said parties of the second part and assigns, including all necessary roadways, pipe lines, water and power lines over and across said property.

Said parties of the first agree with parties of the second parties that this agreement is to become effective as of this day written and continue in force for a period of four months with option of renewal for four additional months. Option to be put in force within ten days after completion of this four month agreement.

Said second parties hereby agree to pay to the first parties ten percent of each smelter check as royalty on ores mined, washed and shipped from said property.

This agreement shall become null and void upon cessation of mining and/ or exploration at the end of ninty days of such inactivity and the party of the second part agrees to remove all equipment, machinery and buildings erected upon said property within thirty days after this agreement becomes null and void.

The first parties covenant with the second parties that they are lawfully seized and possessed of said land in fee simple; have a good and lawfull right to lease the same and is unincumbered.

IN WITNESS WHEREOF, the said first parties have duly executed this instrument the day and the year first written above.

(signed) Holt Hensley
(signed) Patsy Rhoton Hensley

NOTARIZED BY:
G. F. Keene, Unicoi, Tennessee,
October 2, 1951, and, whose commission
expires, April 23, 1955.

RECORDED in State of Tennessee, County of Unicoi, by the register of deeds for Unicoi County at 11:30 O'Clock, A. M., on the 4th. day of October, 1951, and noted in book 3, page 322, and recorded in Mecl. book No. 19, pages 378-79 by Howard Elliot, Register of Deeds for Unicoi County, State of Tennessee.

MF-103

2. (b)

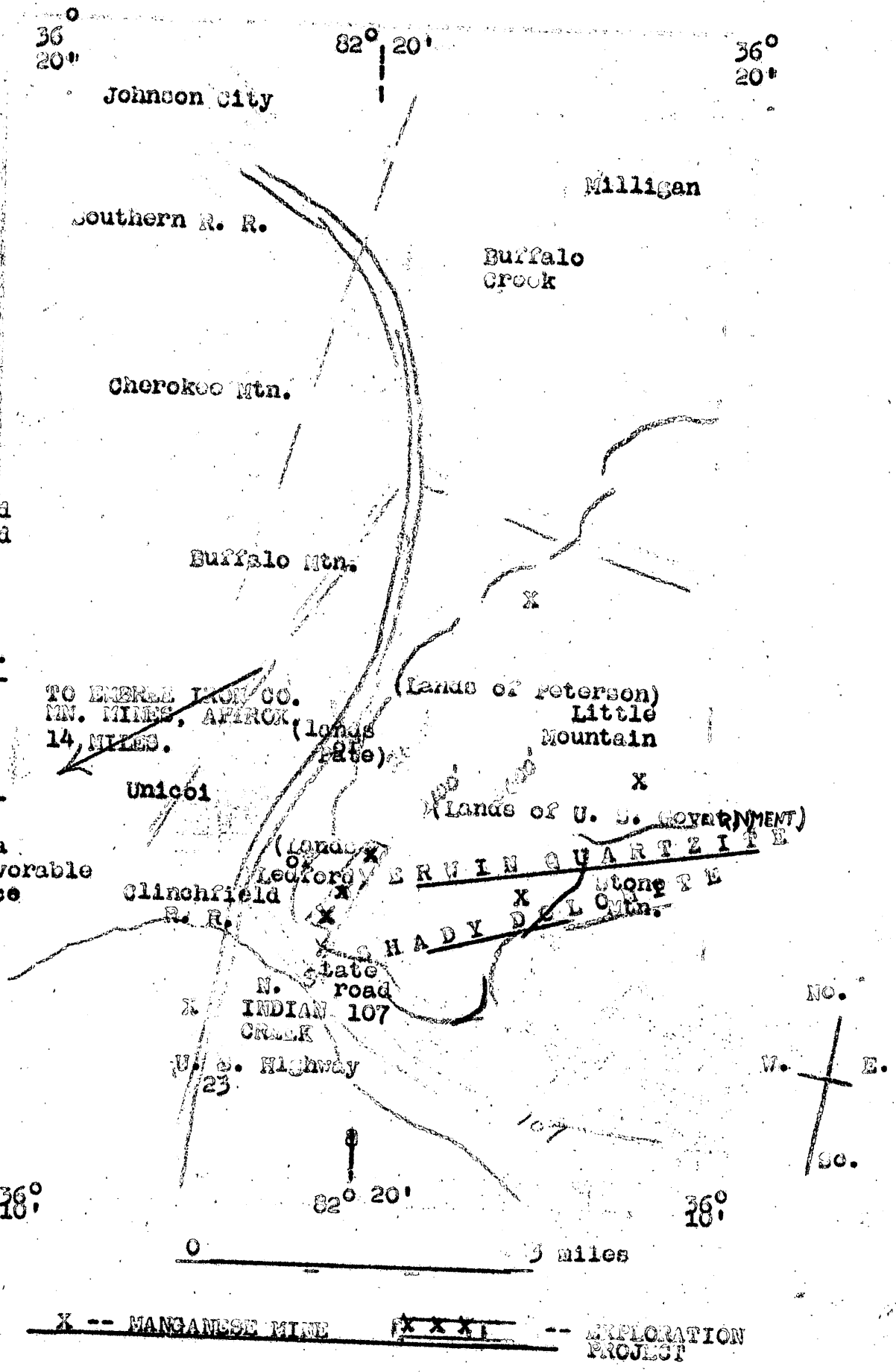
JOHN C. PARKER
504 Franklin St.
Johnson City, Tenn.
Nov. 1, 1951

The geologic features of this prospect is of a synclinal structure faulted along the southeast flank but with normal sequence of strata along the Northwest flank with manganese float ore present on the unfaulted Shady dolomite Erwin quartzite contact.

The manganese occurs mainly as psilomelane ore and pyrolusite, in beds of yellow clay called buck fat or ochre and ranges in depth down to 40 or 60 feet. Manganese float ore is found over the entire said property.

The above description as to structure and the geology is comparable to that of the Embree Iron Co., the largest producer in this area.

This prospect area was reported very favorable and a desireable place for mn. ore by, Stanley C. Reichert, Division of Geology, Manganese Resources of East Tennessee, Bulletin no. 50, in 1942.



JOHN C. FARMER
504 Franklin St.
Johnson City, Tennessee
November 1, 1951

(a) The proposed work shall consist of drilling prospecting the entire property consisting of approximately 15 acres. The peculiar mode of occurrence of manganese ore in lost mountain makes prospect drilling a first and most important factor as the ore is always found in pockets and disconnected lenses. Therefore I propose to make one 7" test square and drill to depths of around 40' to 60' at the corners with an occasional test shaft.

The above work will require definite means of approved roads and can be done with outside equipment.

For each four foot drilled, a bailer sample of rock will be taken. If the hole proves ought, will be driven where needed. Samples will be taken for each 6' depth, quarted and analyzed, then a log map will be made by interpolation, the depths from the surface elevation with all other data tabulated.

The above represents the fundamental work proposed. If necessity there will be many and numerous details and other work involved along with that of general supervision which I propose to carry out myself. Besides on. Ohio mineral indicated on said property such as the coal-kaolin black columbium-tantalum ore may be found in commercial quantities as I note has by a few samples found. The latter would possibly require further and different type of prospecting as this would be likely found in veins.

The estimated cost of this project will be $2,000.00 to $4,000.00.

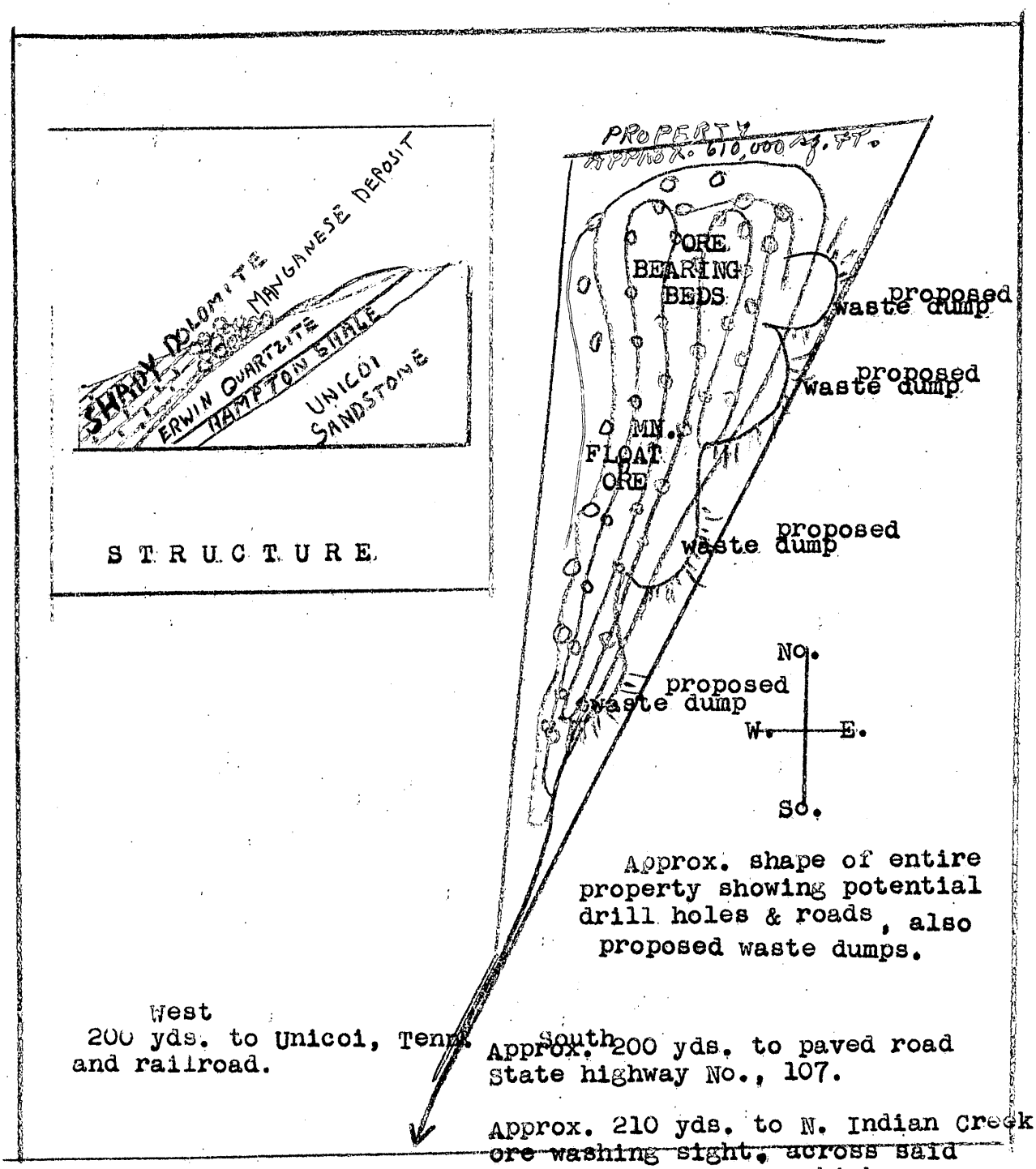
(b) As time to start and complete the above project will be approximately one to two years. Also which includes the weather and other possible conditions beyond control by operation.

JOHN C. FARMER
504 Franklin St.
Johnson City, Tennessee

MF-103

4.

November 1, 1951



NOTE: Road rights and ways to State highway is a portion of the above property and is included in the property lease.

JOHN S. [illegible]
504 Franklin St.
Johnson City, Tennessee
November 1, 1951

(a) All-bulldozer ---- $15.00 per hour.

Power shovel ---- $15.00 per hour.

Power auger or churn drill -- $16.75 per hour.

Hole hoist ---- $3.25 per hour.

The prices on all the above listed equipment includes the operator as well as all other cost.

(b) No plans to purchase any major equipment.

(c) No plans to furnish any major equipment by self.

MF-103

8.

JOHN C. FARMER
504 Franklin St.
Johnson City, Tennessee
November 1, 1951

LABORS: 2

One miner ---------- $1.50 per hour.
one mucker --------- $1.00 per hour.

SUPERVISORS: 1

General Superintendent
and Mining Engineer-- $3.25 per hour.

MP-103

9.

JOHN C. PARKER
504 Franklin St.
Johnson City, Tennessee
November 1, 1951

ESTIMATED COST:

Materials----------	$500.00.
Supplies----------	$500.00.
Engineering----------	(listed, MP-103 C.)
Assaying----------	$200.00.
Accounting----------	$200.00.
All utilities----------	$500.00.

[illegible]
[illegible] Madrid
[illegible] Madrid 6.
Jefatura [illegible], [illegible]

[illegible]

[illegible] 1, 2021

[illegible]

[illegible] 7. [illegible] 10, [illegible] 10 [illegible] [illegible] [illegible]

MF-100

6.

JOHN O. FARMER
504 Franklin St.
Johnson City, Tennessee

Nov. 1, 1951

(a) PRINCIPAL MINING EXPERIENCE:

1927-1928 --- I was employed on the 6 mile, Moffatt Tunnel const., West of Denver, Colo., through the Continental Divide, East portal; and held various positions including those of driller, mucker, track man and gen. mine labor.

1936-1937 --- The U. S. Army Engineer Corps fortification tunnel const. located 7 miles out of Honolulu, at Alimanu Crater, Oahu Island, Territory of Hawaii; where I had experience working in the capacity of foreman which covered all phases of hard rock mining, blasting, reinforcing, drilling and concrete lining by the gunite method, computations and mining engineering. This said construction was contracted to the Druillard const. Co. of Los Angeles as the prime contractor, as I remember.

PRINCIPAL BUSINESS EXPERIENCE:

1936 ------- General sales work in California.

1941-1945 -- General Manager for the San Francisco Division of Defense Identification Company with main offices in Oakland, California.

1945-1948 -- General Manager and President of National Photocopy Company, located in Indianapolis, Indiana.

1948 ------- Mineral prospecting in Virginia and Tennessee.

(b) EXPERIENCE OF OFFICERS:

Same as (a.)

JOHN C. PARKER
504 Franklin St.
Johnson City, Tennessee

MF-100

7. HISTORY

Nov. 1, 1951

(a) Previous exploration:

In the year of about 1940 old iron pits and discarded machinery were found on the slopes and hills of Little Mountain, particularly abundant manganese float ore appearing at the south end of Little Mountain, the present location of our prospect. It is said that a Mr. Blevins of Unicoi, Tenn. prospected the said location. A Mr. Red is alleged to have mined manganese here about the year of 1942 and is said to have sold about $40,000.00 worth at that time. This ore was on the surface or close to it from the examination of shallow cuts showing now. The fall in price of manganese after World War Two resulted in suspension of operations.

(b) HISTORY OF ADJOINING PROPERTIES:

The surrounding manganese deposits occured chiefly at four mines, the T. J. Brumlett, Susan Brumlett, and Britt mines, in the Unicoi district, and the Embree Iron Company mine in the Cospass Cove district.

The T. J. Brumlett mine is reported to have shipped about 140 tons of 52 percent ore about the year of 1918 to Southern Manganese Corp., Anniston, Ala. In 1889 the Susan Brumlett mine was operated by Southern Manganese Corp. of Birmingham, Ala. and produced some ore. In 1918 the mine was reopened with a double log washer put into operation. The ore consisted of psilomelane, manganite and pyrolusite oxides. The average mn. content was about 50 percent. The Britt mine was first opened in 1898 by Colonel Kirk who shipped a carload of ore. Opened later by W. H. Kemler of Johnson City and in 1918 was taken over by Southern Manganese Corp. H. C. Brooks and Gravel Co. took this mine over in 1940.

The Embree Iron Co. mine, also of Unicoi County was the leading producer of metallurgical grade manganese in 1939. It was mainly responsible for Tennessee becoming the largest producer that year. The deposits represented here are thought to be typical of East Tenn. type of deposits. Regional geology of this mine area is covered by Roan Mt. folios no. 151 and 118, U. S. Geological Atlas.

(c) Mr. O'Neil, D. M. A., Knoxville, Tenn. recommended the value ~~XXXXX~~ of this prospect, it is reported.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

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

Not To Be Filled in by Applicant

Docket No. Dma 2 2 11
Metal or Mineral Manganese
Date Received 11-6-51
Amount $
Participation (Government %)

Name and address of applicant

[illegible]
[illegible] Franklin St.
Johnson City, Tennessee

Date November 1, 1951

If you have already filed MF-100, give date filed ATTACHED HEREIN, type of assistance requested Exploration Aid,

DMA Docket Number (if available) NONE.

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*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. [illegible]

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application. ATTACHED HEREIN.

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

   [illegible]

   NOTE: (1) 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 (*c*) 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.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract. NONE.

2. (*a*) What metals or minerals do you expect to find? ATTACHED HEREIN.

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned. COLUMBIUM-TANTALUM & MANGANESE [illegible]

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project. ATTACHED SHEET.

   (*b*) State the time required to start the project and to complete it. ATTACHED SHEET.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc. ATTACHED SHEET.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition. NONE.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item. NONE.

7. Furnish a detailed list of operating equipment, separated into items to be— ATTACHED SHEET.

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each. ATTACHED SHEET.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above. ATTACHED SHEET.

10. (*a*) How much are you prepared to invest in the proposed project? $3000.00.

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)? Yes.

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions. ATTACHED SHEET.

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.

NORTH MAR R. (Name of company)

By John C. Farmer (Signature of authorized official)

November 8, 1971 (Date)

OWNER (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—64067-2

John C. Farmer, 504 Franklin St., Johnson City, Tenn.

MF-103

(COPY) MINERAL LEASE AGREEMENT

1. (b)

This agreement made and entered into this 1st. day of October, 1951, by and between Holt Hensley, Jr., and Patsy Rhoton Hensley, of Unicoi county, State of Tennessee, parties of the first part and John C. Farmer, 504 Franklin Sr., Johnson City, Tenn., party of the second part.

WITNESSETH, that the parties of the first part, in consideration of one dollar in hand paid, the receipt of which is hereby acknowledged, have granted, leased, demissed and let unto the parties of the second part, his principals, heirs and assigns until all minerals and ores shall have been mined that can profitably be mined therefrom, the sole and exclusive right to mine and transport all or any minerals on, within and over that certain tract of land situate, lying and being in the 3rd. Civil District of Unicoi County, State of Tennessee, containing 14 acres more or less of land bounded in general terms as follows; on the East by land of U. S. Government; on the South by land of Ledford; on the North by land of Peterson; on the West by land of Pate. Also one other tract of land containing one eighth acre more or less and adjoining above described tract. This is the same property conveyed to Patsy Rhoton by Glenn Street, et ux, and recorded in Deed book 74, p. 56, to which deed reference is here made.

Said partiesof the first part hereby grant full mining rights to said parties of the second part and assigns, including all necessary roadways, pipe lines, water and power lines over and across said property.

Said parties of the first agree with parties of the second parties that this agreement is to become effective as of this day written and continue in force for a period of four months with option of renewal for four additional months. Option to be put in force within ten days after completion of this four month agreement.

Said second parties hereby agree to pay to the first parties ten percent of each smelter check as royalty on ores mined, washed and shipped from said property.

This agreement shall become null and void upon cessation of mining and/ or exploration at the end of ninty days of such inactivity and the party of the second part agrees to remove all equipment, machinery and buildings erected upon said property within thirty days after this agreement becomes null and void.

The first parties covenant with the second parties that they are lawfully seized and possessed of said land in fee simple; have a good and lawfull right to lease the same and is unincumbered.

IN WITNESS WHEREOF, the said first parties have duly executed this instrument the day and the year first written above.

(signed) Holt Hensley
(signed) Patsy Rhoton Hensley

NOTARIZED BY:
G. F. Keene, Unicoi, Tennessee,
October 2, 1951, and, whose commission
expires, April 23, 1955.

RECORDED in State of Tennessee, County of Unicoi, by the register of deeds for Unicoi County at 11:30 O'Clock, A. M., on the 4th. day of October, 1951, and noted in book 3, page 322, and recorded in Mesl. book No. 19, pages 378-79 by Howard Elliot, Register of Deeds for Unicoi County, State of Tennessee.

MF-103

2. (b)

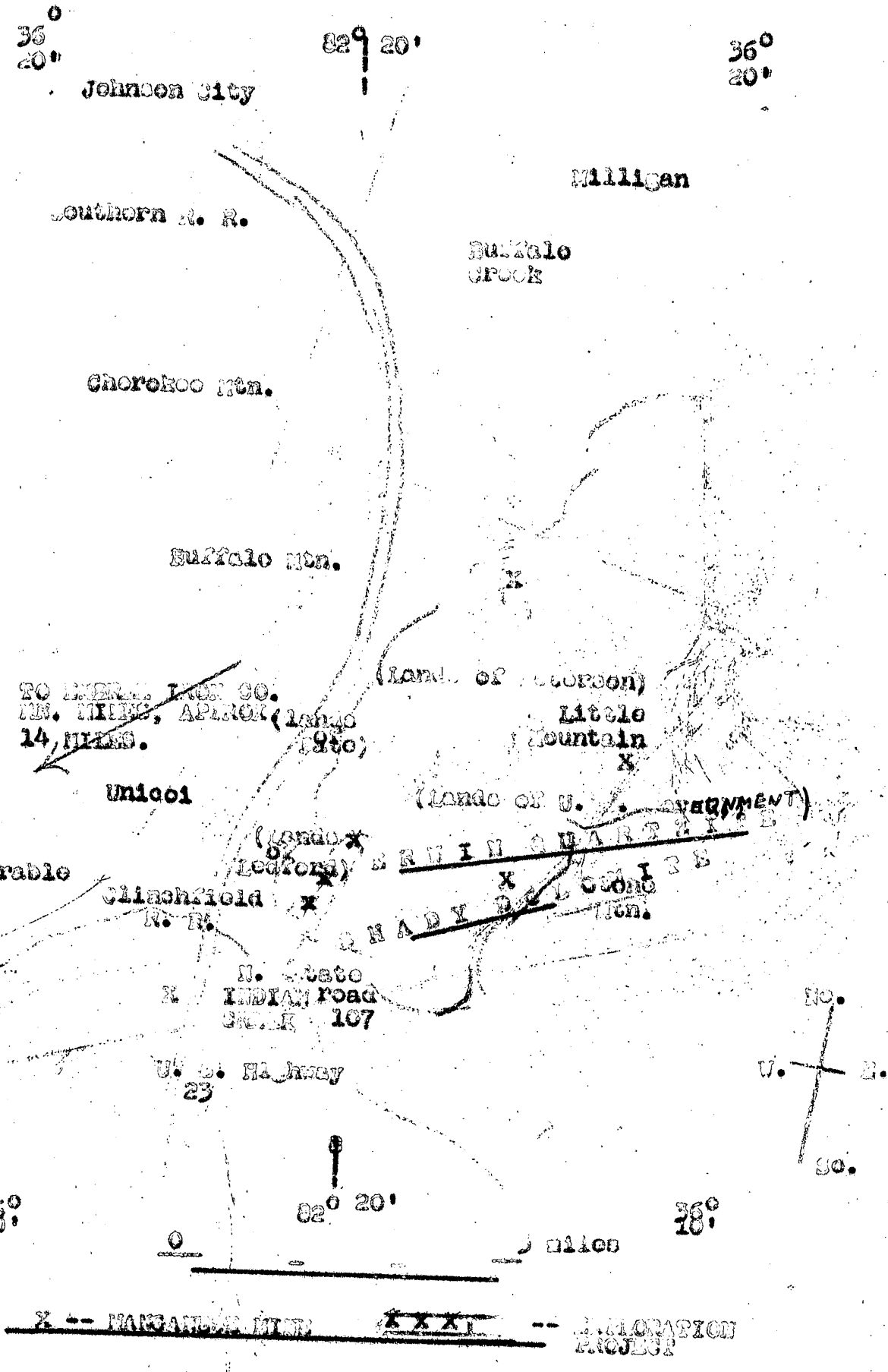
JOHN O. PAGER
504 Franklin St.
Johnson City, Tenn.
Nov. 1, 1951

The geologic features of this prospect is of a synclinal structure faulted along the southeast flank but with normal sequence of strata along the northwest flank with manganese float ore present on the unfaulted shady dolomite erwin quartzite contact.

The manganese occurs mainly as psilomelane ore and pyrolusite, in beds of yellow clay called buck fat or ochre and ranges in depth down to 40 or 60 feet. Manganese float ore is found over the entire said property.

The above description as to structure and the geology is comparable to that of the Embree Iron Co., the largest producer in this area.

This prospect area was reported very favorable and a desireable place for mn. ore by, Stanley O. Reichert, Division of Geology, Manganese Resources of East Tennessee, Bulletin no. 50, in 1942.



JOHN C. FARMER
504 Franklin St.
Johnson City, Tennessee
November 1, 1951

MP-103

3.

(a) The proposed work shall consist of drill prospecting the entire property consisting of approximately 15 acres. The peculiar mode of occurrence of manganese ore in East Tennessee makes prospect drilling a first and most important factor as the ore is always found in pockets and disseminated lenses. Therefore I propose to stake out 75 foot squares and drill to depths of around 40' to 60' at the corners with an occasional test shaft.

The above work will require definite number of terraced roads and can be done with suitable ambledozer.

For each four foot drilled, a bailer sample of muck will be taken. If the hole caves casing will be driven where needed. Samples will be taken for each 4' depth, quarted and analyzed, then a log map will be made by subtracting the depths from the surface elevation with all other data tabulated.

The above represents the fundamental work proposed. By necessity there will be many and numerous details and other work involved along with that of general supervision which I propose to carry out myself. Besides mn. oxide definitely indicated on said property some samples of the semi-metallic black columbium-tantalum ore may be present in commercial quantities as indicated by a few samples found. The latter would possibly require further and different type of prospecting as this would be likely found in veins.

The estimated cost of this project will be $12000.00 to $15000.00.

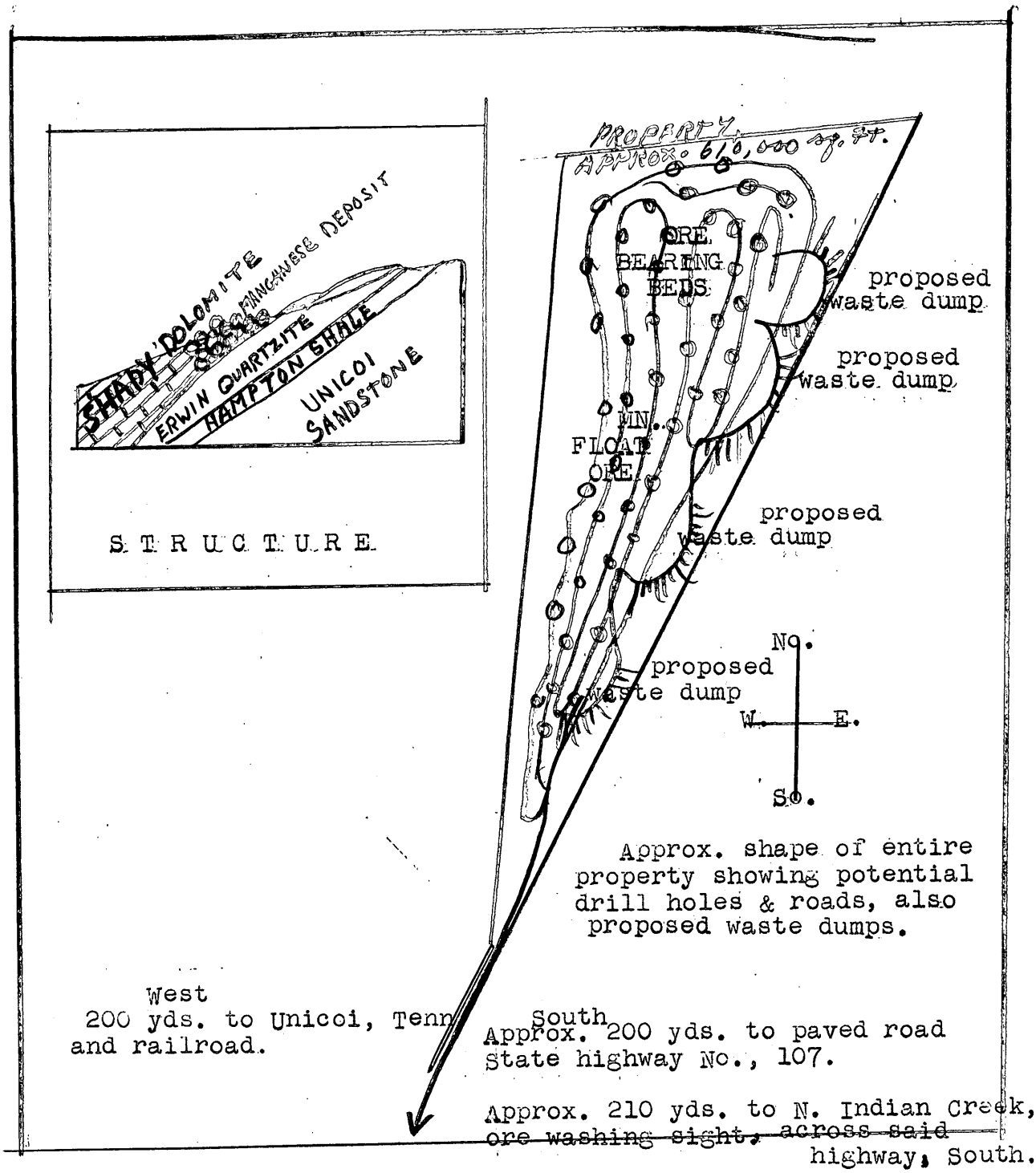
(b) The time to start and complete the above project will be approximately one to two years. This takes into account the weather and other possible conditions not controled by applicant.

JOHN C. FARMER
504 Franklin St.
Johnson City, Tennessee

MF-103

4.

November 1, 1951



NOTE: Road rights and ways to State highway is a portion of the above property and is included in the property lease.

MF-103

6.

JOHN C. PARKER
504 Franklin St.
Johnson City, Tennessee
November 1, 1951

(a) ANGLEDOZER ---- $15.00 per hour.

power shovel ---- $15.00 per hour.

POWER DRIVEN
6" churn drill -- $18.75 per hour.

DUMP TRUCK ---- $3.25 per hour.

The prices on all the above listed equipment includes the operator as well as all other cost.

(b) No plans to purchase any major equipment.

(c) No plans to furnish any major equipment by self.

MF-104

8.

JOHN C. FARLER
504 Franklin St.
Johnson City, Tennessee
November 1, 1951

LABORS: 2

One miner ---------- 1.50 per hour.
One mucker ---------- $1.00 per hour.

SUPERVISORS: 1

General Superintendent
and Mining Engineer-- $3.25 per hour.

JOHN C. FARMER
504 Franklin St.
Johnson City, Tennessee
November 1, 1951

ESTIMATED COST:

Materials----------	$500.00.
Supplies----------	$500.00.
Engineering----------	(listed, MF-103 8.)
Assaying----------	$200.00.
Accounting----------	$200.00.
All utilities----------	$500.00.

John S. Fisher
204 Franklin St.
Johnson City, Tennessee

MP-109

November 1, 1951

11.

Referring to MP-100, 7. (a) (b) and (c) accompanying, pages it is noted that prospect on said property meets all the geological specifications known where sizable deposits of manganese ore have been found and mined in commercial quantities. That is, the formation is right for the occurrence of mn. from the weathering of the dolomite, etc. The pellecolors as well as prolusite oxides are both found in abundance. Hand picked samples were analyzed 35.9 percent mn. with less than 5 of 1 percent phosphorous, silica, etc. By the Tennessee Coal, Iron and Iron Company, Birmingham, Ala. This very favorable prospect location requires manganese and referring to Ex. E. MC-5; the government aid ratio contributed would be 75 percent, whereas, the aid ratio offered for columbium-tantalum is 90 percent.

The discovery of columbium-tantalum on the site and location of the proposed exploration project would favorable also for both the exploration of this mineral as well as for manganese. The government participation aid to us of 90 percent is preferred.

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 2211

Date received 11-6-51

RECEIVED NOV 6 1951

John C. Farmer
504 Franklin St.
Johnson City, Tennessee

Name and address of applicant

Date November 1, 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?
   (*b*) What are the byproducts, if any?

   INAPPLICABLE

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).

   INAPPLICABLE

   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.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.

   INAPPLICABLE

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.

   NOT IN OPERATION

5. Number of years in production ~~INAPPLICABLE~~ NONE
   If not in production or operation, estimated date when production will begin NOVEMBER, 1952
6. Experience of operators: SEE ACCOMPANYING PAPERS.
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History: SEE ACCOMPANYING PAPERS
   (*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.

NONE

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

If more lines are needed continue on separate sheet.

9. Capital Stock Issues: NONE

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: INAPPLICABLE

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. INAPPLICABLE

12. Ore or Mineral Reserves: INAPPLICABLE

(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: Prospect location 200 yards to first class surfaced roads, residence & railroad shipping point.

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

14. Water Supply: N. Indian Creek, ample quanity year around.

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

15. Power: INAPPLICABLE

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

16. Labor: INAPPLICABLE

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

17. Equipment and Facilities: NONE

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. INAPPLICABLE

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.

John C. Farmer
(Name of company)

By John C. Farmer
(Signature of authorized official)

November 1, 1951
(Date)

OWNER
(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

JOHN C. DANGER
504 Franklin St.
Johnson City, Tennessee

MF-100

6.

Nov. 1, 1951

(a) PRINCIPAL MINING EXPERIENCE:

1927-1928 --- I was employed on the 6 mile, Moffatt Tunnel const., west of Denver, Colo., through the continental divide, east portal; and held various positions including those of driller, mucker, track man and gen. mine labor.

1936-1937 --- The U. S. Army Engineer Corps Fortification Tunnel const. located 7 miles out of Honolulu, at Aliamanu Crater, Oahu Island, Territory of Hawaii; where I had experience working in the capacity of foreman which covered all phases of hard rock mining, blasting, reinforcing, drilling and concrete lining by the gunite method, compressions and mining engineering. This said construction was contracted to the Grillard Const. Co. of Los Angeles as the prime contractor, as I remember.

(b) SUBSEQUENT MINING EXPERIENCE:

1936 ------- General sales work in California.

1941-1949 -- General Manager for the San Francisco Division of Potomac Manufacturing Company with main offices in Oakland, California.

1949-1950 -- General Manager and President of National Photocopy Company, located in Indianapolis, Indiana.

1950 ------- General prospecting in Virginia and Tennessee.

(b) [illegible]:

Same as (a.)

JOHN C. FARMER
504 Franklin St.
Johnson City, Tennessee

MF-100

7. HISTORY

Nov. 1, 1951

(a) Previous exploration:

In the year of about 1940 old iron pits and discarded machinery were found on the slopes and hills of Little Mountain, particularly abundant manganese float ore appearing at the South end of Little Mountain, the present location of our prospect. It is said that a Mr. Blevins of Unicoi, Tenn. prospected the said location. A Mr. Red is alleged to have mined manganese here about the year of 1942 and is said to have sold about $40,000.00 worth at that time. This ore was on the surface or close to it from the examination of shallow cuts showing now. The fall in price of manganese after World War Two resulted in suspension of operations.

(b) HISTORY OF ADJOINING PROPERTIES:

The surrounding manganese deposits occured chiefly at four mines, the T. J. Brummett, Susan Brummett, and Britt mines, in the Unicoi district, and the Embree Iron Company mine in the Bumpass Cove district.

The T. J. Brummett mine is reported to have shipped about 140 tons of 52 percent ore about the year of 1918 to Southern Manganese Corp., Anniston, Ala. In 1885 the Susan Brummett mine was operated by Southern Manganese Corp. of Birmingham, Ala. and produced some ore. In 1918 the mine was reopened with a double log washer put into operation. The ore consisted of psilomelane, manganite and pyrolusite oxides. The average mn. content was about 38 percent. The Britt mine was first opened in 1898 by Colonel Kirk who shipped a carload of ore. Opened later by W. H. Kemler of Johnson City and in 1918 was taken over by Southern Manganese Corp. H. C. Brooks Sand & Gravel Co. took this mine over in 1940.

The Embree Iron Co. mine, also of Unicoi County was the leading producer of metallurgical grade manganese in 1939. It was mainly responsible for Tennessee becoming the largest producer that year. The deposits represented here are thought to be typical of East Tenn. type of deposits. Regional geology of this mine area is covered by Roan Mnt. folios no. 151 and 118, U. S. Geological Atlas.

(c) Mr. O'Neil, D. M. A., Knoxville, Tenn. recommended the value ~~highly~~ of this prospect, it is reported.