DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3526

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 Assistance

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.

Cys to USBM & USGS

Routing Slip

To:	400	Date	10/11/54
To:	Open Com	Date	10-22-54
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DO NOT DETACH

CONTROLLED DOCUMENT

December 2, 1954

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance in the amount of $87,850.00
Docket No. DMEA 3526 - Manganese
State Foundation Company - Mr. George M. Tribett, Owner
P. O. Box 391, Mountain City, Tennessee
Pandora Prospects
Johnson County, Tennessee

Denial of the subject application is recommended by this Division and is based on the following information:

1. The applicant requested exploration assistance in the amount of $87,850.00 to explore for manganese by surface excavations and trenches on the Campbell, Stout, Lloyd and Mast tracts which he held by leases. These properties are located in Johnson City, Tennessee.

2. The topography of the area is rolling to steep. Manganese occurs in the oxide form as nodules in clay and in a series of veins and veinlets. The main rocks of the area are shale and dolomite.

3. Pits and trenches on the properties indicate that ore occurrences are small and scattered. While some of these occurrences are moderately high grade, the tonnage is small and there is little possibility of improving the mineral supply.

4. Sufficient work has been done in this area to indicate that there is little possibility of finding larger deposits.

5. The Field Team and the Commodity Divisions of the Geological Survey and the Bureau of Mines recommend that the application be denied.

TLCHAPMAN:foc
12-2-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.

W. S. Martin, Chief
Iron and Ferro-Alloys Division

R.C.S.

DEC - 6 1954

Mr. George M. Tribett
State Foundation Company
P. O. Box 391
Mountain City, Tennessee

Re: Docket No. DMEA 3526 - Manganese
Pandora Prospects
Johnson County, Tennessee

Dear Mr. Tribett:

Your application for aid for an exploration project and other data available to us in Washington relating to the above noted property have been carefully reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information, although noting small amounts of manganese mineralization on your property, indicates to us that the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, therefore, that your application for exploration assistance is denied.

We wish to thank you for your interest in the Defense Minerals Exploration Administration program and for bringing your property to our attention.

Sincerely yours,

E. O. Mittendorf

Administrator

TICHAPMAN:foc
12-2-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
Thor H. Kiilsgaard, USGS
Gilbert DeHuff, USBM
FT. REG. VII

IN REPLY REFER TO:

400

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

Defense Minerals Exploration
RECEIVED
NOV 30 1954

November 24, 1954

Re: DMEA-3526
State Foundation Co.
(Pandora Prospects)
Butler District
Johnson Co., Tenn.
$87,850 - Manganese

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of field examination report

The Field Team has recommended this application be denied.

Since Mr. Lawrence's visit to the Pandora area in July, the applicant has trenched on the Lloyd and Hast properties. The results from this work indicate further exploration is not warranted.

On the basis of the properties included in the application there is no reason to expect further exploration will find significant amounts of manganese ore.

I recommend this application be denied.

However, further consideration may be warranted if the Adams property is leased by the applicant. It was noted that the Field Team mentions the Adams property as a favorable site for at least preliminary trenching exploration.

E. L. Newcomb

ELNewcomb:hlm
G-11/24/54

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
Gilbert DeMuff, 3523

December 2, 1954

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance in the amount of $87,850.00
Docket No. DMEA 3526 - Manganese
State Foundation Company - Mr. George M. Tribett, Owner
P. O. Box 391, Mountain City, Tennessee
Pandora Prospects
Johnson County, Tennessee

Denial of the subject application is recommended by this Division and is based on the following information:

1. The applicant requested exploration assistance in the amount of $87,850.00 to explore for manganese by surface excavations and trenches on the Campbell, Stout, Lloyd and Mast tracts which he held by lease. These properties are located in Johnson City, Tennessee.

2. The topography of the area is rolling to steep. Manganese occurs in the oxide form as nodules in clay and in a series of veins and veinlets. The main rocks of the area are shale and dolomite.

3. Pits and trenches on the properties indicate that ore occurrences are small and scattered. While some of these occurrences are moderately high grade, the tonnage is small and there is little possibility of improving the mineral supply.

4. Sufficient work has been done in this area to indicate that there is little possibility of finding larger deposits.

5. The Field Team and the Commodity Divisions of the Geological Survey and the Bureau of Mines recommend that the application be denied.

TLCHAPMAN:foc
12-2-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.

W. S. Martin, Chief
Iron and Ferro-Alloys Division

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON OFFICE
ROOM 1025 CLDG.
KNOXVILLE 2, TENN.

400
Defense Minerals Administration
RECEIVED
NOV 17 1954

November 15, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region VII

Subject: DMEA-3526, Field Examination Report

Transmitted are four copies of the subject examination report.

Robert A. Laurence

Reviewed by
DMEA OPERATING COMMITTEE
11-22-54
(date)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 17 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT BY FIELD TEAM, REGION VII

On

DMEA-3526, PANDORA PROSPECTS (Mn)
Johnson County, Tennessee

By

Robert A. Laurence, Geologist
U. S. Geological Survey

and

Wm. A. Beck, Mining Engineer
U. S. Bureau of Mines

11-22-54
(date)

November 9, 1954

Division of the Division
Defense Minerals Administration
RECEIVED
NOV 17 1954

Field Examination Report
on
DMEA-3526, PANDORA PROSPECTS (Mn)
Johnson County, Tennessee

Operators: State Foundation Company, Mountain City, Tennessee

Location : Johnson County, Tennessee

The properties under lease to the State Foundation Company in the Pandora area of Johnson County, Tennessee were examined by the writers on November 9, 1954. Five hours were spent on the properties, and we were accompanied by Mr. George M. Tribett, owner of State Foundation Co., and Mr. Robert Mickman, Mining Engineer, U. S. Bureau of Mines.

Geology of the Pandora area is adequately described in Bulletin 52 of the Tennessee Division of Geology, pages 151 to 157. Three of the applicants four leases are in the area of figures 21 of this Bulletin, and the fourth (Mast property) is one mile northeast of the area. The accompanying sketch map is a copy of Figure 21.

Since Mr. Lawrence's brief visit to the Lloyd and Campbell tracts in July 1954, the applicant has bulldozed crosscutting trenches on the Lloyd and Mast properties. Very little manganese ore was exposed in these, which were cut to sufficient depth to expose semi-weathered bedrock (Rome shale). The Lloyd prospect was the most favorable site for exploration last July; on the basis of our inspection of the cuts made at both the Lloyd and Mast prospects we recommend no further work at either place.

A second favorable site turns out to be on the Adams property, on which the applicant does not have a lease.

Examination of old cuts at two places on the Stout property suggests conditions similar to those at the Lloyd tract. The lower Stout prospect (No. 2 on the map) has been prospected sufficiently to discourage further work there. The upper Stout prospect (No. 1) contains a small area with some showing of manganese oxides, but there is also a considerable amount of iron oxide and quartzite boulders from nearby Bee Mountain. Trenching here might expose a small tonnage of manganese ore, however, to dig two 500-foot trenches here would cost $700.00.

Breakdown of these costs is as follows:

Labor:

1 - Bulldozer Operator, 12 - 8 hr. shifts @ $1.50/hr.	$144.00
4 - Laborers, 12 - 8 hr. shifts @ $0.75/hr.	288.00

Operating Equipment Owned by Operator

One-half month Depreciation on International
TD-9 tractor with dozer blade and highlift attachments
Value when new $11,000

$\frac{11,000}{60} \times 1/2$ $91.67

Operating Material and Supplies

Gasoline and oil	60.00
Small tools	50.00

Miscellaneous

Transportation of dozer	25.00
Contingencies	41.33
	$700.00

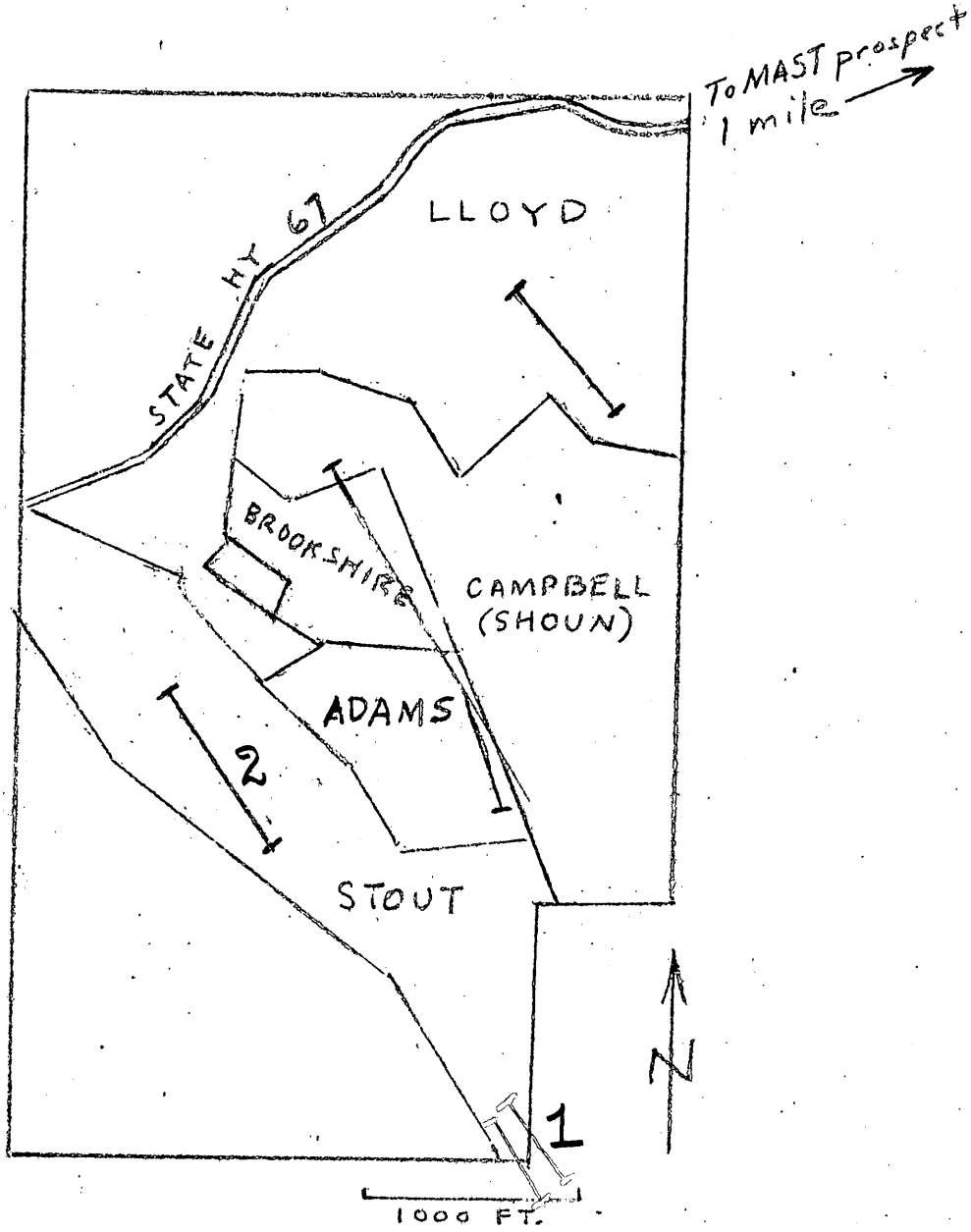
We do not think this expenditure justified, considering (1) the limited tonnage possible at this site which is located on a rather narrow ridge (2) its less favorable accessibility as compared with the other sites and (3) the fact that results of work at the three other sites have all been unfavorable and (4) lack of mining experience of the applicant.

Therefore, it is our recommendation that this application be denied.

November 9, 1954.

Robert A. Laurence, Geologist
U. S. Geological Survey

Wm. A. Beck, Mining Engineer
U. S. Bureau of Mines



PANDORA PROSPECT AREA.

SEE FIG 21, page 152,
TENN. DIV. GEOL. BULLETIN 52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
ROOM POST OFFICE BLDG.
KNOXVILLE 2, TENN.

400

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 3 - 1954

November 1, 1954

Mr. George M. Tribett
State Foundation Co.
P.O. Box 391
Mountain City, Tennessee

Re: DMEA-3526 (Manganese)
Pandora Prospects
Johnson City, Tenn.

Dear Mr. Tribett:

As you have been notified in Mr. Mittendorf's letter of October 25, a field examination of the subject application is planned. Mr. W. A. Beck and I would like to make this examination on Tuesday November 9, if that date is convenient to you and the others of your group. As we will be driving up from here that morning, I suggest that we meet you at your washer near Pandora at 12:30 p.m. on the ninth. If this is not convenient to you, please let me know as soon as possible so that other arrangements may be made.

Very truly yours,

Robert A. Laurence

RAL/am
cc:

Beck
Lynch
Opr. Com.
Files

Copy retained 40

OCT 25 1954

Mr. George M. Tribett
State Foundation Co.
P. O. Box 391
Mountain City, Tennessee

Re: Docket No. DMEA 3526 - Manganese
State Foundation Company
Pandora Prospects
Johnson County, Tennessee

Dear Mr. Tribett:

Enclosed, in accordance with your request, are the four leases submitted with the subject application.

A field examination of the property is being arranged by Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region VII, Room 13, Post Office Building, Knoxville 2, Tennessee.

Any assistance that you can render the members of the Field Team will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosures

cc: DOCKET
FIELD TEAM, REGION VII
CODE 400
ADM. READING FILE
OPERATING COMMITTEE
G. DeHUFF, USBM
T. KIILSGAARD, USGS

WSMartin/ls 10/22/54

OCT 25 1954

Mr. Robert A. Laurence, Executive Officer
DMEA Field Team, Region VII
Room 13, Post Office Building
Knoxville 2, Tennessee

Re: Docket No. DMEA 3526 - Manganese
State Foundation Company
Pandora Prospects
Johnson County Tennessee

Dear Mr. Laurence:

This will acknowledge receipt of your letter of October 13, 1954, and the assignment of leases covering the lands of the subject application.

We also received the letter you enclosed, dated October 9, 1954, and addressed to you by S. M. Miller for George M. Tribett. Apparently the distinction between exploration and production assistance should be clarified for the applicant, but we shall leave that matter for you to handle during the examination and shall file Mr. Miller's letter without replying.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

cc: DOCKET
FT, REG. VII
OPER. COMM.
CODE 400
ADM. READ. FILE
G. DeHUFF, USBM
THOR KIILSGAARD, USGS

WSMartin/ls
10/19/54

P.S.--Two copies of a memorandum of October 19, 1954, by E. L. Newcomb, U. S. Geological Survey, are enclosed for your information. Copies of pertinent leases are also enclosed.

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

400

Defense Minerals Administration
RECEIVED
OCT 20 1954

October 19, 1954

Re: DMEA-3526
State Foundation Co.
(Pandora Prospects)
Butler District
Johnson Co., Tenn.
$87,850 - Manganese

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of application

The applicant requests assistance to explore the Lloyd, Brookshire, Campbell, Mast, and Stout properties. He has not outlined what work he intends to undertake. However, Bob Laurence states in his memorandum of October 8th that he visited in the Pandora area in July, 1954 and recommended that crosscutting trenches and test pits would be the best exploration procedure for the operator to follow.

The Field Team believes a small exploration project is justified to determine whether mineable amounts of manganese may occur in the Bone formation on the Pandora prospects.

A considerable number of tunnels, opencuts and test pits have been excavated on the Pandora properties. Limited amounts of manganese were found and a small production was obtained during the early part of World War II.

In The Tennessee Division of Geology Bulletin 52, (1944), the following statements are made which appropriately sum up the geologic setting on the Pandora leases, -- "The openings of the Pandora prospects indicate the presence of high-grade manganese oxides over a wide area, but in several small disconnected ore bodies. All the ore bodies are in a series of veins or veinlets of pyrolusite which seem to be restricted to layers of yellow silty clay in the shale. Prospecting for such bodies is difficult, as they are likely to be missed by pits and test holes."

A preliminary stage of trenching followed by test pitting as a second stage appears to be warranted. However, I recommend a Field Team referral for an examination and to locate the preliminary trenches.

CC: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
Gilbert DeHuff, 3523

E. L. Newcomb

ELNewcomb:hlm G-10/19/54

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 25 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

400
file

October 13, 1954

WSM

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region VII

Subject: Application of State Foundation - DMEA-3526, (Mn) Pandora Area.

Attached is a notarized copy of assignment of the leases on the Stout, Lloyd, Mast and Shoun (Campbell) tracts to the State Foundation Company by Max Miller and Arthur C. Walden.

D. H. Amos,

STATE OF TENNESSEE

JOHNSON COUNTY

This agreement made this 2 day of June, 1954, between DON MAST AND ADDIE MAST of the aforesaid County and State, of the first part, sometimes, hereinafter referred to as the lessors, and Max Miller and Arthur Walden, PARTIES OF THE SECOND PART, sometimes hereinafter referred to as the lessees, witnesseth:

That the parties of the first part in consideration of the agreements hereinafter contained, on the part of the parties of the second part to be performed, hereby bargains, leases and grants to the parties of the second part , and their heirs and assigns for the period of 5 years from the date of this agreement, the following described real property, in the County of Johnson , State of Tennessee, to wit:

That certain tract of land conveyed by W.F. LOWE JR PEARL S. LOWE to the grantors herein named by deed dated the 23 day of october, 1947 and recorded in book 3 at page 286 of the public records of Johnson County, Tennessee.

To have and to hold the said lands to them and the said lesseees MAX MILLER AND ARTHUR WALDEN, their heirs and assigns for the aforesaid period of 5 years, upon compliance with the the conditions of this instruments, for the purposes and with the right to use said lands to dig, quarry, search for and obtain any kind of minerals, metals or fossils, especially MANGANESE ORE, and to conduct the same to any extent that it may require to bring said minerals, metals or fossils, especially MANGANESE ORE TO THE POINT OF MARKET, that is to say that they the lessees have full right to mine, wash and load said minerals, metals or fossils, especially MANGANESE ORE ON THAT LOCATION THAT IT IS FOUND or any particular location on said real property the said parties of the second part may desire, as a use of the above mentioned lands.

THE SAID PARTIES OF THE SECOND PART hereby agrees to pay said parties of the first Part, their heirs and assigns, a rental or royalty of : $_____per TON, PAYABLE EACH SHIPMENT, PER WEIGHT OF THE SCALES OF THE CONSUMER, a duplicate of the bill of sale will be made available for the party of the first part.

OTHER SPECIFICATIONS:

I will use road that presently leads to the mine

II will conduct work on 50 acres south part of farm, from the south corner of Fred Adams, next to North of W. J. Adams tract

III 5 ¢ per ton will be paid for 40% ORE
6 ¢ per ton will be paid for 50% ORE
7 ¢ per ton will be paid for 60% ORE and above

WITNESS OUR HANDS AND SEALS THIS THE DAY AND YEAR FIRST WRITTEN ABOVE.

J. Blaine Stout SEAL
Etola B. Stout SEAL
Max Miller SEAL
Arthur C. Waldon SEAL

STATE OF TENNESSEE, JOHNSON COUNTY

SIGNED SEALED AND DELIVERED IN THE PRESENCE OF:

Lely de C. Wilson NOTARY

MY COMMISSION EXPIRES: Jan 13, 1957

STATE OF TENNESSEE

JOHNSON COUNTY

This agreement made this 2 day of June, 1954, between DON MAST AND ADDIE MAST of the aforesaid County and State, of the first part, sometimes, hereinafter referred to as the lessors, and Max Miller and Arthur Walden, PARTIES OF THE SECOND PART, sometimes hereinafter referred to as the lessees, witnesseth:

That the parties of the first part in consideration of the agreements hereinafter contained, on the part of the parties of the second part to be performed, hereby bargains, leases and grants to the parties of the second part , and their heirs and assigns for the period of 5 years from the date of this agreement, the following described real property, in the County of Johnson , State of Tennessee, to wit:

That certain tract of land conveyed by W.F. LOWE JR PEAR L. S. LOWE to the grantors herein named by deed dated the 23 day of october _____, 1947 and recorded in book 3 at page 286 of the public records of Johnson County, Tennessee.

To have and to hold the said lands to them and the said lesseees MAX MILLER AND ARTHUR WALDEN, their heirs and assigns for the aforesaid period of 5 years, upon compliance with the the conditions of this instruments, for the purposes and with the right to use said lands to dig, quarry, search for and obtain any kind of minerals, metals or fossils, especially MANGANESE ORE, and to conduct the same to any extent that it may require to bring said minerals, metals or fossils, especially MANGANESE ORE TO THE POINT OF MARKET, that is to say that they the lessees have full right to mine, wash and load said minerals, metals or fossils, especially MANGANESE ORE ON THAT LOCATION THAT IT IS FOUND or any particular location on said real property the said parties of the second part may desire, as a use of the above mentioned lands.

THE SAID PARTIES OF THE SECOND PART hereby agrees to pay said parties of the first Part, their heirs and assigns, a rental or royalty of : $_____per TON, PAYABLE EACH SHIPMENT, PER WEIGHT OF THE SCALES OF THE CONSUMER, a duplicate of the bill of sale will be made available for the party of the first part.

OTHER SPECIFICATIONS:

I will use road that presently leads to the mine

II will conduct work on 50 acres south part of farm, from the south corner of Fred Adams, west to North of W. J. Adams tract

III 5 $ per ton will be paid for 40% ORE
6 $ per ton will be paid for 50% ORE
7 $ per ton will be paid for 60% ORE and above

WITNESS OUR HANDS AND SEALS THIS THE DAY AND YEAR FIRST WRITTEN ABOVE.

J. Blaine Stout SEAL
Etola B. Stout SEAL
Mae Miller SEAL
Arthur C. Waldon SEAL

STATE OF TENNESSEE, JOHNSON COUNTY

SIGNED SEALED AND DELIVERED IN THE PRESENCE OF:

Coly de C. Wilson NOTARY

MY COMMISSION EXPIRES: Jan 13, 1957

STATE OF TENNESSEE

JOHNSON COUNTY

This agreement made this 3 day of June, 1934, between TISHIE CAMPBELL SHOUN - W.H. SHOUN of the aforesaid County and State, of the first part, sometimes, hereinafter referred to as the lessors, and MAX MILLER AND ARTHUR WALDEN, PARTIES OF THE SECOND PART, SOMETIMES HEREINAFTER referred to as the lessees, WITNESSETH:

That the parties of the first part in consideration of the agreement hereinafter contained, on the part of the parties of the second part to be performed, hereby bargains, leases and grants to the parties of the second part, and their heirs and assigns for the period of 5 years from the date of this agreement, the following described real property, in the County of Johnson County, State of Tennessee to wit:

That certain tract of land conveyed by I C.T. Blankenship March 21, 1938 Joseph Farmer Dec. 3/1919 to the grantors herein named by deed dated the _____ day of _____, 19__ and recorded in book I 45 BOOK II 34 at page I 343 49 +43 of the public records of Johnson County, Tennessee.

To have and to hold the said lands to them and the said lessees MAX MILLER AND ARTHUR WALDEN, their heirs and assigns for the aforesaid period of 5 years, upon compliance with the conditions of this instrument, for the purpose and with the right to use said lands to dig, quarry, search for and obtain any kind of minerals, metals or fossils, especially MANGANESE ORE , and to conduct the same to any extent that it may require to bring said minerals, metals or fossils, especially MANGANESE ORE TO THE POINT OF MARKET, that is to say that they the lessees have full right to mine, wash and load said Minerals, metals or fossils, especially MANGANESE ORE ON THAT LOCATION THAT IT IS FOUND or any particular location on said property, the said parties of the second part may desire as a use of the above mentioned lands.

THE SAID PARTIES OF THE SECOND PART hereby agrees to pay said parties of the first Part, their heirs and assigns, a rental or royalty of : $_____per TON, PAYABLE EACH SHIPMENT, PER WEIGHT OF THE SCALES OF THE CONSUMER, a duplicate of the bill of sale will be made available for the party of the first part.

OTHER SPECIFICATIONS:

I Begin work in area of old mine

5$ per ton will be paid for 40% ORE.
6$ per ton will be paid for 50% ORE
7$ per ton will be paid for 60% ORE and otherwise

WITNESS OUR HANDS AND SEALS THIS THE DAY AND YEAR FIRST WRITTEN ABOVE.

Tabia Campbell Shown
W.H. Shown SEAL
Ulo Willis SEAL
Arthur C. Walton SEAL

STATE OF TENNESSEE, JOHNSON COUNTY

SIGNED SEALED AND DELIVERED IN THE PRESENCE OF:

_____ NOTARY

MY COMMISSION EXPIRES: Jan 28, 1956

STATE OF TENNESSEE

JOHNSON COUNTY

This agreement made this 3 day of June, 19 54, between TISHIE CAMPBELL SHOUN - W.H. SHOUN of the aforesaid County and State, of the first part, sometimes, hereinafter referred to as the lessors, and MAX MILLER AND ARTHUR WALDEN, PARTIES OF THE SECOND PART, SOMETIMES HEREINAFTER referred to as the lessees, WITNESSETH:

That the parties of the first part in consideration of the agreement hereinafter con ained, on the part of the parties of the second part to be performed, hereby bargains, leases and grants to the parties of the second part, and their heirs and assigns for the period of 5 years from the date of this agreement, the following described real property, in the County of Johnson County, State of Tennessee to wit:

That certain tract of land conveyed by I C.T. Blankenbeker March 21, 1938 Joseph Tanner Dec. 3/1919 to the grantors herein named by deed dated the _____ day of _____, 19__ and recorded in book I 45 BOOK 3 PAGE 343 +43 34 at page 49 of the public records of Johnson County, Tennessee.

To have and to hold the said lands to them and the said lessees MAX MILLER AND ARTHUR WALDEN, their heirs and assigns for the aforesaid period of 5 years, upon compliance with the conditions of this instrument, for the purpose and with the right to use said lands to dig, quarry, search for and obtain any kind of minerals, metals or fossils, especially MANGANESE ORE , and to conduct the same to any extent that it may require to bring said minerals, metals or fossils, especially MANGANESE ORE TO THE POINT OF MARKET, that is to say that they the lessees have full right to mine, wash and load said Minerals, metals or fossils, especially MANGANESE ORE ON THAT LOCATION THAT IT IS FOUND or any particular location on said property, the said parties of the second part may desire as a use of the above mentioned lands.

THE SAID PARTIES OF THE SECOND PART hereby agrees to pay said parties of the first Part, their heirs and assigns, a rental or royalty of : $_____per TON, PAYABLE EACH SHIPMENT, PER WEIGHT OF THE SCALES OF THE CONSUMER, a duplicate of the bill of sale will be made available for the party of the first part.

OTHER SPECIFICATIONS:

I Begin work in area of old mine

5$ per ton will be paid for 40% ORE
6$ per ton will be paid for 50% ORE
7$ per ton will be paid for 60% ORE and above

WITNESS OUR HANDS AND SEALS THIS THE DAY AND YEAR FIRST WRITTEN ABOVE.

Tabis Campbell Shoun
W H Shoun SEAL
Wm Miller SEAL
Arthur C. Walker SEAL

STATE OF TENNESSEE, JOHNSON COUNTY

SIGNED SEALED AND DELIVERED IN THE PRESENCE OF:

[illegible] NOTARY

MY COMMISSION EXPIRES: Jan 28, 1956

2

STATE OF TENNESSEE

JOHNSON COUNTY

This agreement made this 2 day of June, 1954, between J. BLAINE STOUT AND ETOILA B. STOUT of the aforesaid County and State, of the first part, sometimes, hereinafter referred to as the lessors, and MAX MILLER AND ARTHUR WALDEN, PARTIES OF THE SECOND PART, SOMETIMES HEREINAFTER referred to as the lessees, WITNESSETH:

That the parties of the first part in consideration of the agreement hereinafter contained, on the part of the parties of the second part to be performed, hereby bargains, leases and grants to the parties of the second part, and their heirs and assigns for the period of 5 years from the date of this agreement, the following described real property, in the County of Johnson County, State of Tennessee to wit:

That certain tract of land conveyed by DAVID STOUT to the grantors herein named by deed dated the 26 day of January, 1927 and recorded in book 41 at page 83 of the public records of Johnson County, Tennessee.

To have and to hold the said lands to them and the said lessees MAX MILLER AND ARTHUR WALDEN, their heirs and assigns for the aforesaid period of 5 years, upon compliance with the conditions of this instrument, for the purpose and with the right to use said lands to dig, quarry, search for and obtain any kind of minerals, metals or fossils, especially MANGANESE ORE , and to conduct the same to any extent that it may require to bring said minerals, metals or fossils, especially MANGANESE ORE TO THE POINT OF MARKET, that is to say that they the lessees have full right to mine, wash and load said Minerals, metals or fossils, especially MANGANESE ORE ON THAT LOCATION THAT IT IS FOUND or any particular location on said property, the said parties of the second part may desire as a use of the above mentioned lands.

THE SAID PARTIES OF THE SECOND PART hereby agrees to pay said parties of the first part, their heirs and assigns, a rental or royalty of : $5 - 40% ORE / 6 - 50% ORE / 7 - 60% ORE per TON, PAYABLE EACH SHIPMENT, PER WEIGHT OF THE SCALES OF THE CONSUMER, a duplicate copy of the bill of sale will be made available for the party of the first part.

OTHER SPECIFICATIONS:

I will use main entrance and road presently used to approach top of hill.

II will conduct work within area fenced for pasture

III 5 $ per ton will be paid for 40% ore
6 $ per ton will be paid for 50% ORE
7 $ per ton will be paid for 60% ORE and above

WITNESS OUR HANDS AND SEALS, THIS THE DAY AND YEARS FIRST WRITTEN ABOVE.

X Dan Mast SEAL
Addie Mast SEAL
W. of Miller SEAL
Arthur C. Walden SEAL

STATE OF TENNESSEE, JOHNSON COUNTY

SIGNED SEALED AND DELIVERED IN THE PRESENCE OF :

Clyde C. Wilson NOTARY

MY COMMISSION EXPIRES: Jan 13, ~~1956~~ 1957.

STATE OF TENNESSEE

JOHNSON COUNTY

This agreement made this 2 day of June, 1954, between J. BLAINE STOUT AND ETOILA B. STOUT of the aforesaid County and State, of the first part, sometimes, hereinafter referred to as the lessors, and MAX MILLER AND ARTHUR WALDEN, PARTIES OF THE SECOND PART, SOMETIMES HEREINAFTER referred to as the lessees, WITNESSETH:

That the parties of the first part in consideration of the agreement hereinafter contained, on the part of the parties of the second part to be performed, hereby bargains, leases and grants to the parties of the second part, and their heirs and assigns for the period of 5 years from the date of this agreement, the following described real property, in the County of Johnson County, State of Tennessee to wit:

That certain tract of land conveyed by DAVID STOUT to the grantors herein named by deed dated the 26 day of January, 1929 and recorded in book 41 at page 83 of the public records of Johnson County, Tennessee.

To have and to hold the said lands to them and the said lessees MAX MILLER AND ARTHUR WALDEN, their heirs and assigns for the aforesaid period of 5 years, upon compliance with the conditions of this instrument, for the purpose and with the right to use said lands to dig, quarry, search for and obtain any kind of minerals, metals or fossils, especially MANGANESE ORE , and to conduct the same to any extent that it may require to bring said minerals, metals or fossils, especially MANGANESE ORE TO THE POINT OF MARKET, that is to say that they the lessees have full right to mine, wash and load said Minerals, metals or fossils, especially MANGANESE ORE ON THAT LOCATION THAT IT IS FOUND or any particular location on said property, the said parties of the second part may desire as a use of the above mentioned lands.

THE SAID PARTIES OF THE SECOND PART hereby agrees to pay said parties of the first part, their heirs and assigns, a rental or royalty of : $ 5$ - 40% ORE / 6$ - 50% ORE / 7$ - 60% ORE per TON, PAYABLE EACH SHIPMENT, PER WEIGHT OF THE SCALES OF THE CONSUMER, a duplicate copy of the bill of sale will be made available for the party of the first part.

OTHER SPECIFICATIONS:

I will use main entrance and road presently used to approach top of hill.

II will conduct work within area fenced for pasture

III 5$ per ton will be paid for 40% ore
6$ per ton will be paid for 50% ORE
7$ per ton will be paid for 60% ORE and above

WITNESS OUR HANDS AND SEALS, THIS THE DAY AND YEARS FIRST WRITTEN ABOVE.

X Dan Mast SEAL
Addie Mast SEAL
W of Miller SEAL
Arthur C. Walden SEAL

STATE OF TENNESSEE, JOHNSON COUNTY

SIGNED SEALED AND DELIVERED IN THE PRESENCE OF :

Clyde C. Wilson NOTARY

MY COMMISSION EXPIRES: Jan 13, ~~1956~~ 1957.

LEASE CONTRACT

This instrument made and entered into this the 17th day of ~~April~~ JUNE, 1954, by and between Walter Loyd of Johnson County, Tennessee, the Lessor and Max Miller and Arthur Walden the Lessee.

W I T N E S S E T H :

That for and in consideration of the rents, royalties, covenants, conditions and promises herinafter set forth, and by the Lessee to be paid, kept and performed, and as well as the sum of One Dollar to the Lessor in hand paid, receipt is which is hereby acknowledged, the Lessor does hereby demise, lease and minelet unto the said Lessee, a certain tract and parcel of land, lying and being in the 7th Civil District of Johnson County, Tennessee, containing approximately four acres more or less, and bounded in general as follows:

BEGINNING on a pine then southeast with Robert's line 600 feet to a fence; then with Robert line east 600 feet to a double hickory; then north 600 feet to a black pine; then south 600 feet to the BEGINNING, containing 4 acres more or less.

This lease is to run for a period of one year from date of this instrument with the option to renew under the same terms and considerations.

To have and to hold to the said Lessee, for a period of one year from the date hereof, with the priviledge of extending said lease.

It is specifically understood and agreed that this property is leased for the purpose of allowing the Lessee to enter upon the property and mine, dig, remove and take therefrom mangenese ores which may be found on the property. It is anticipated that the mining of this property may be conducted either by what is known as a strip mining activity where the operator, or Lessee, shall have the right to remove the over lying surface from said deposit, by means of power shovels or other machinery, and to deposit the soil on the adjacent surface. The operator, if the facts indicate to him that he should do so, may have the option of mining by sub-surface process and in such event, he shall be relieved from liability for subsidence of the surface, provided always that he shall use reasonable care in the underground mining, so as to cause as little damage as may reasonable follow from the act. The Lessee further agrees to pay the market value for any merchantible timber on said premises that may have to be removed or damaged in the mining operations and refill holes made by the strip

mining process.

The Lessee, in consideration of the premises hereby covenants and agrees with the Lessor as follows:

The Lessee will pay to the Lessors the sum of $5.00 per long ton, dry weight, for all 40% manganese concentrate ore delivered to, and shipped on a railroad or carrier that may be hereinafter designated by the parties which ores is mined from the above described property. The Lessee agrees to pay to the Lessor 3% of the proceeds received for manganese of less than 40% concentrate, mined on the above described property provided that said low grade ore is marketed at the time of processing. Aforesaid royalty shall be paid on or before the 15th day of each calendar month for the ores mined in the calendar month immediately preceeding. It is further agreed and understood that the Lessee has this day paid to the Lessor, the sum of One Hundred Dollars, as an advance upon the royalties per ton heretofore ser out and shall be credited upon the total tonnage of manganese shipped and mined upon the premises. In the event no manganese is mined, then the Lessee forfeits the One Hundred Dollars advance payment. It is further agreed and understood that upon the termination of this lease, whether by the acts of the parties or either of them, or by limitation, the Lessee shall have the right to remove all engines, tools, machinery, railroad tracks, and structures erected or placed by the Lessee upon said land, provided said personal property as enumberated herein above, is removed within one year, from the time the operations are abandoned; but not to remove or impair any supports placed in the mines, nor any timbers or frameworks necessary for the use and maintenance of the shafts or other approaches to the mine, nor any tramways within the mine.

It is further specifically agreed and understood that if the Lessee shall desire to extend this lease for an additional one year period it may do so upon the terms and royalties set oyt in this lease by depositing in the United States Mails, as much as fifteen days before the expiration of this lease, a written notice to the Lessor stating that it has determined to exercise its option of renewal.

In the event that the Lessee shall not pay the royalties as the same come due, in accordance with the contract hereinabove set forth, then said lease shall,

at the option of the Lessor, be forfeited and the Lessor may at his option re-enter into and upon the said demised premises, with or without any previous notice or process, and the same to have and to possess again as of his former estate, and the parties of the second part, or Lessee, and all persons claiming under and through said Lessee, be wholly excluded therefrom.

In Witness Whereof, the Lessor have hereunto set his hand this the day and date first above written.

Walter Loyd
Party of the First Part

Ella G. Willis

Arthur C. Willis
Parties of the Second Part

STATE OF TENNESSEE

COUNTY OF JOHNSON

Before me, Lewis W. May, a Notary Public, eithin and for the State and County aforesaid, this day, personally appeared Walter Loyd, Max Miller and Arthur Walden, with whom I am personally acquainted, and who acknowledged the execution of the foregoing lease contract for the purposes therein contained.

Witness my hand and official seal at office in Mountain City, Johnson County, Tennessee, this 17th day of June, 1954.

My commission expires
April 26, 1956

Lewis W. May
Notary Public

LEASE CONTRACT

This instrument made and entered into this the 17th day of ~~April~~ JUNE, 1954, by and between Walter Loyd of Johnson County, Tennessee, the Lessor and Max Miller and Arthur Walden the Lessee.

W I T N E S S E T H :

That for and in consideration of the rents, royalties, covenants, conditions and promises herinafter set forth, and by the Lessee to be paid, kept and performed, and as well as the sum of One Dollar to the Lessor in hand paid, receipt is which is hereby acknowledged, the Lessor does hereby demise, lease and minelet unto the said Lessee, a certain tract and parcel of land, lying and being in the 7th Civil District of Johnson County, Tennessee, containing approximately four acres more or less, and bounded in general as follows:

BEGINNING on a pine then southeast with Robert's line 600 feet to a fence; then with Robert line east 600 feet to a double hickory; then north 600 feet to a black pine; then south 600 feet to the BEGINNING, containing 4 acres more or less.

This lease is to run for a period of one year from date of this instrument with the option to renew under the same terms and considerations.

To have and to hold to the said Lessee, for a period of one year from the date hereof, with the priviledge of extending said lease.

It is specifically understood and agreed that this property is leased for the purpose of allowing the Lessee to enter upon the property and mine, dig, remove and take therefrom mangenese ores which may be found on the property. It is anticipated that the mining of this property may be conducted either by what is known as a strip mining activity where the operator, or Lessee, shall have the right to remove the over lying surface from said deposit, by means of power shovels or other machinery, and to deposit the soil on the adjacent surface. The operator, if the facts indicate to him that he should do so, may have the option of mining by sub-surface process and in such event, he shall be relieved from liability for subsidence of the surface, provided always that he shall use reasonable care in the underground mining, so as to cause as little damage as may reasonable follow from the act. The Lessee further agrees to pay the market value for any merchantible timber on said premises that may have to be removed or damaged in the mining operations and refill holes made by the strip

mining process.

The Lessee, in consideration of the premises hereby covenants and agrees with the Lessor as follows:

The Lessee will pay to the Lessors the sum of $5.00 per long ton, dry weight, for all 40% manganese concentrate ore delivered to, and shipped on a railroad or carrier that may be hereinafter designated by the parties which ores is mined from the above described property. The Lessee agrees to pay to the Lessor 3% of the proceeds received for manganese of less than 40% concentrate, mined on the above described property provided that said low grade ore is marketed at the time of processing. Aforesaid royalty shall be paid on or before the 15th day of each calendar month for the ores mined in the calendar month immediately preceeding. It is further agreed and understood that the Lessee has this day paid to the Lessor, the sum of One Hundred Dollars, as an advance upon the royalties per ton heretofore ser out and shall be credited upon the total tonnage of manganese shipped and mined upon the premises. In the event no manganese is mined, then the Lessee forfeits the One Hundred Dollars advance payment.
It is further agreed and understood that upon the termination of this lease, whether by the acts of the parties or either of them, or by limitation, the Lessee shall have the right to remove all engines, tools, machinery, railroad tracks, and structures erected or placed by the Lessee upon said land, provided said personal property as enumberated herein above, is removed within one year, from the time the operations are abandoned; but not to remove or impair any supports placed in the mines, nor any timbers or frameworks necessary for the use and maintenance of the shafts or other approaches to the mine, nor any tramways within the mine.

It is further specifically agreed and understood that if the Lessee shall desire to extend this lease for an additional one year period it may do so upon the terms and royalties set oyt in this lease by depositing in the United States Mails, as much as fifteen days before the expiration of this lease, a written notice to the Lessor stating that it has determined to exercise its option of renewal.

In the event that the Lessee shall not pay the royalties as the same come due, in accordance with the contract hereinabove set forth, then said lease shall,

at the option of the Lessor, be forfeited and the Lessor may at his option re-enter into and upon the said demised premises, with or without any previous notice or process, and the same to have and to possess again as of his former estate, and the parties of the second part, or Lessee, and all persons claiming under and through said Lessee, be wholly excluded therefrom.

In Witness Whereof, the Lessor have hereunto set his hand this the day and date first above written.

Walter Loyd
Party of the First Part

Elsie Willis

Arthur C. Wolfe
Parties of the Second Part

STATE OF TENNESSEE

COUNTY OF JOHNSON

Before me, Lewis W. May, a Notary Public, eithin and for the State and County aforesaid, this day, personally appeared Walter Loyd, Max Miller and Arthur Walden, with whom I am personally acquainted, and who acknowledged the execution of the foregoing lease contract for the purposes therein contained.

Witness my hand and official seal at office in Mountain City, Johnson County, Tennessee, this 17th day of June, 1954.

My commission expires
April 26, 1956

Lewis W. May
Notary Public

Kiilsgaard
Hedges
Selfridge
Johnson

DEC - 6 1954

Mr. George M. Tribett
State Foundation Company
P. O. Box 391
Mountain City, Tennessee

Re: Docket No. DMEA 3526 - Manganese
Pandora Prospects
Johnson County, Tennessee

Dear Mr. Tribett:

Your application for aid for an exploration project and other data available to us in Washington relating to the above noted property have been carefully reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information, although noting small amounts of manganese mineralization on your property, indicates to us that the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, therefore, that your application for exploration assistance is denied.

We wish to thank you for your interest in the Defense Minerals Exploration Administration program and for bringing your property to our attention.

Sincerely yours,

C. O. Mittendorf

Administrator

TICHAPMAN:foc
12-2-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
Thor H. Kiilsgaard, USGS
Gilbert DeNuff, USBM
FT. REG. VII

R.C.H.

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

December 2, 1954

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance in the amount of $87,850.00
Docket No. DMEA 3526 - Manganese
State Foundation Company - Mr. George M. Tribett, Owner
P. O. Box 391, Mountain City, Tennessee
Pandora Prospects
Johnson County, Tennessee

Denial of the subject application is recommended by this Division and is based on the following information:

1. The applicant requested exploration assistance in the amount of $87,850.00 to explore for manganese by surface excavations and trenches on the Campbell, Stout, Lloyd and Mast tracts which he held by lease. These properties are located in Johnson City, Tennessee.

2. The topography of the area is rolling to steep. Manganese occurs in the oxide form as nodules in clay and in a series of veins and veinlets. The main rocks of the area are shale and dolomite.

3. Pits and trenches on the properties indicate that ore occurrences are small and scattered. While some of these occurrences are moderately high grade, the tonnage is small and there is little possibility of improving the mineral supply.

4. Sufficient work has been done in this area to indicate that there is little possibility of finding larger deposits.

5. The Field Team and the Commodity Divisions of the Geological Survey and the Bureau of Mines recommend that the application be denied.

W S Martin
W. S. Martin, Chief
Iron and Ferro-Alloys Division

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 30 1954

November 24, 1954

Re: DMEA-3526
State Foundation Co.
(Pandora Prospects)
Butler District
Johnson Co., Tenn.
$87,850 - Manganese

WSM

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of Field examination report

The Field Team has recommended this application be denied.

Since Mr. Laurence's visit to the Pandora area in July, the applicant has trenched on the Lloyd and Mast properties. The results from this work indicate further exploration is not warranted.

On the basis of the properties included in the application there is no reason to expect further exploration will find significant amounts of manganese ore.

I recommend this application be denied.

However, further consideration may be warranted if the Adams property is leased by the applicant. It was noted that the Field Team mentions the Adams property as a favorable site for at least preliminary trenching exploration.

E. L. Newcomb

E. L. Newcomb

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

DEPARTMENT
Defense Minerals
RECEIVED
NOV 30 1954

November 24, 1954

Re: DMEA-3586
State Foundation Co.
(Pandora Prospects)
Butler District
Johnson Co., Tenn.
$87,850 - Manganese

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of Field examination report

The Field Team has recommended this application be denied.

Since Mr. Laurence's visit to the Pandora area in July, the applicant has trenched on the Lloyd and Mast properties. The results from this work indicate further exploration is not warranted.

On the basis of the properties included in the application there is no reason to expect further exploration will find significant amounts of manganese ore.

I recommend this application be denied.

However, further consideration may be warranted if the Adams property is leased by the applicant. It was noted that the Field Team mentions the Adams property as a favorable site for at least preliminary trenching exploration.

E. L. Newcomb

ELNewcomb:hlm
G-11/24/54

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
Gilbert DeHuff, 3523

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

DEPARTMENT OF INTERIOR
Defense Minerals Administration
RECEIVED
NOV 30 1954

November 24, 1954

Re: DMEA-3526
State Foundation Co.
(Pandora Prospects)
Butler District
Johnson Co., Tenn.
$87,850 - Manganese

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of Field examination report

The Field Team has recommended this application be denied.

Since Mr. Laurence's visit to the Pandora area in July, the applicant has trenched on the Lloyd and Mast properties. The results from this work indicate further exploration is not warranted.

On the basis of the properties included in the application there is no reason to expect further exploration will find significant amounts of manganese ore.

I recommend this application be denied.

However, further consideration may be warranted if the Adams property is leased by the applicant. It was noted that the Field Team mentions the Adams property as a favorable site for at least preliminary trenching exploration.

E. L. Newcomb

ELNewcomb:hlm
G-11/24/54

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
Gilbert DeHuff, 3523

Docket

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM WASHINGTON 25, D. C. POST OFFICE BLDG.
KNOXVILLE 2, TENN.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 17 1954

November 15, 1954

WSM

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region VII

Subject: DMEA-3526, Field Examination Report

Transmitted are four copies of the subject examination report.

Robert A. Laurence

Robert A. Laurence

Z

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 17 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT BY FIELD TEAM, REGION VII

On

DMEA-3526, PANDORA PROSPECTS (Mn)
Johnson County, Tennessee

By

Robert A. Laurence, Geologist
U. S. Geological Survey

and

Wm. A. Beck, Mining Engineer
U. S. Bureau of Mines

Cleared OC
11/22/54
JLR

Reviewed by
DMEA OPERATING COMMITTEE
1-22-54
(date)

November 9, 1954

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 17 1954
GCL
12/3/54

Field Examination Report
on
DMEA-3526, PANDORA PROSPECTS (Mn)
Johnson County, Tennessee

Operators: State Foundation Company, Mountain City, Tennessee

Location : Johnson County, Tennessee

The properties under lease to the State Foundation Company in the Pandora area of Johnson County, Tennessee were examined by the writers on November 9, 1954. Five hours were spent on the properties, and we were accompanied by Mr. George M. Tribett, owner of State Foundation Co., and Mr. Robert Hickman, Mining Engineer, U. S. Bureau of Mines.

Geology of the Pandora area is adequately described in Bulletin 52 of the Tennessee Division of Geology, pages 151 to 157. Three of the applicants four leases are in the area of figures 21 of this Bulletin, and the fourth (Mast property) is one mile northeast of the area. The accompanying sketch map is a copy of Figure 21.

Since Mr. Laurence's brief visit to the Lloyd and Campbell tracts in July 1954, the applicant has bulldozed crosscutting trenches on the Lloyd and Mast properties. Very little manganese ore was exposed in these, which were cut to sufficient depth to expose semi-weathered bedrock (Rome shale). The Lloyd prospect was the most favorable site for exploration last July; on the basis of our inspection of the cuts made at both the Lloyd and Mast proppects we recommend no further work at either place.

A second favorable site turns out to be on the Adams property, on which the applicant does not have a lease.

Examination of old cuts at two places on the Stout property suggests conditions similar to those at the Lloyd tract. The lower Stout prospect (No. 2 on the map) has been prospected sufficiently to discourage further work there. The upper Stout prospect (No. 1) contains a small area with some showing of manganese oxides, but there is also a considerable amount of iron oxide and quartzite boulders from nearby Doe Mountain. Trenching here might expose a small tonnage of manganese ore; however, to dig two 500-foot trenches here would cost $700.00.

Breakdown of these costs is as follows:

Labor:

1 - Bulldozer Operator, 12 - 8 hr. shifts @ $1.50/hr.	$144.00
4 - Laborers, 12 - 8 hr. shifts @ $0.75/hr.	288.00

Reviewed by
DMEA OPERATING COMMITTEE
1-28-54
(date)

Operating Equipment Owned by Operator

One-half month Depreciation on International
TD-9 tractor with dozer blade and highlift attachments
Value when new $11,000

$\frac{11,000}{60} \times 1/2$ $91.67

Operating Material and Supplies

Gasoline and oil	60.00
Small tools	50.00

Miscellaneous

Transportation of dozer	25.00
Contingencies	41.33
	$700.00

We do not think this expenditure justified, considering (1) the limited tonnage possible at this site which is located on a rather narrow ridge (2) its less favorable accessibility as compared with the other sites and (3) the fact that results of work at the three other sites have all been unfavorable and (4) lack of mining experience of the applicant.

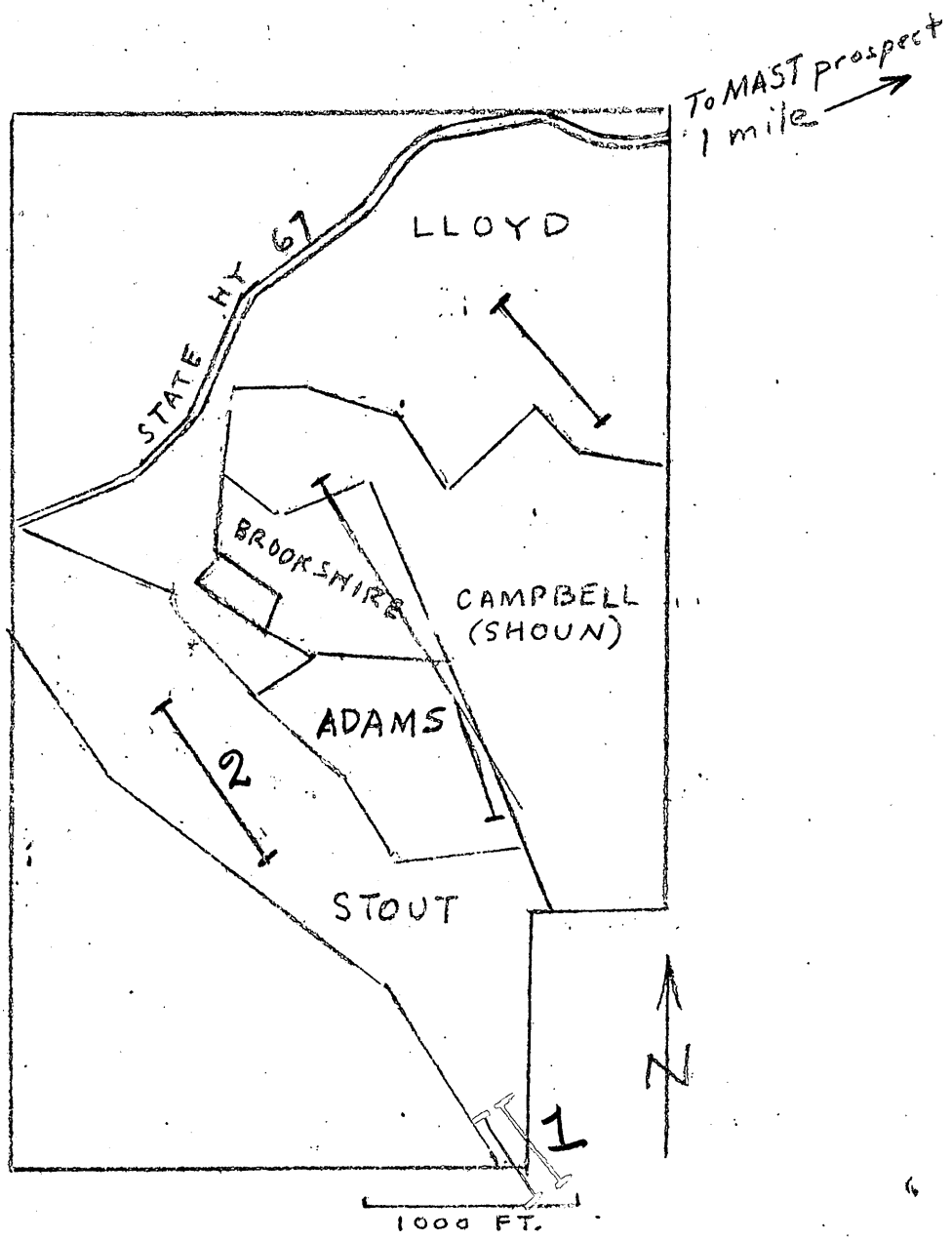
Therefore, it is our recommendation that this application be denied.

November 9, 1954.

Robert A. Laurence
Robert A. Laurence, Geologist
U. S. Geological Survey

W A Beck
Wm. A. Beck, Mining Engineer
U. S. Bureau of Mines

z



PANDORA PROSPECT AREA.

SEE FIG 21, page 152,
TENN. DIV. GEOL. BULLETIN 52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
ROOM POST OFFICE BLDG.
KNOXVILLE 2, TENN.

Docket

DEPARTMENT OF THE INTERIOR
Minerals Administration
RECEIVED
NOV 8 - 1954

November 1, 1954

Mr. George M. Tribett
State Foundation Co.
P.O. Box 391
Mountain City, Tennessee

WSM

Re: DMEA-3526 (Manganese)
Pandora Prospects
Johnson City, Tenn.

Dear Mr. Tribett:

As you have been notified in Mr. Mittendorf's letter of October 25, a field examination of the subject application is planned. Mr. W. A. Beck and I would like to make this examination on Tuesday November 9, if that date is convenient to you and the others of your group. As we will be driving up from here that morning, I suggest that we meet you at your washer near Pandora at 12:30 p.m. on the ninth. If this is not convenient to you, please let me know as soon as possible so that other arrangements may be made.

Very truly yours,

Robert A. Laurence

RAL/mm
cc:

Beck
Lynch
Opr. Com.
Files

Copy retained 40?

DOCKET
Surname:
Martin
Newcomb
Deshoff
Selfridge
R J Johnson

OCT 25 1954

Mr. Robert A. Laurence, Executive Officer
DMEA Field Team, Region VII
Room 13, Post Office Building
Knoxville 2, Tennessee

Re: Docket No. DMEA 3526 - Manganese
State Foundation Company
Pandora Prospects
Johnson County, Tennessee

Dear Mr. Laurence:

This will acknowledge receipt of your letter of October 13, 1954, and the assignment of leases covering the lands of the subject application.

We also received the letter you enclosed, dated October 9, 1954, and addressed to you by S. M. Miller for George M. Tribett. Apparently the distinction between exploration and production assistance should be clarified for the applicant, but we shall leave that matter for you to handle during the examination and shall file Mr. Miller's letter without replying.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee GCS

Approved:

J. H. Hedges

Member, Bureau of Mines JHH

Thor H. Kiilsgaard

Member, Geological Survey THK

cc: DOCKET
FT, REG. VII
OPER. COMM.
CODE 400
ADM. READ. FILE
G. DeHUFF, USBM
THOR KIILSGAARD, USGS

WSMartin/ls
10/19/54

P.S.--Two copies of a memorandum of October 19, 1954, by E. L. Newcomb, U. S. Geological Survey, are enclosed for your information. Copies of pertinent leases are also enclosed.

R.C.G.

DOCKET
SURNAME:
Martin
Kilsgaard
Hedges
Lefredge
Johnson

OCT 25 1954

Mr. George M. Tribett
State Foundation Co.
P. O. Box 391
Mountain City, Tennessee

Re: Docket No. DMEA 3526 - Manganese
State Foundation Company
Pandora Prospects
Johnson County Tennessee

Dear Mr. Tribett:

Enclosed, in accordance with your request, are the four leases submitted with the subject application.

A field examination of the property is being arranged by Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region VII, Room 13, Post Office Building, Knoxville 2, Tennessee.

Any assistance that you can render the members of the Field Team will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosures

cc: DOCKET
FIELD TEAM, REGION VII
CODE 400
ADM. READING FILE
OPERATING COMMITTEE
G. DeHUFF, USBM
T. KIILSGAARD, USGS

WSMartin/ls 10/22/54

A.C.H.

Docket

PHONE: HAMPSTEAD 4874

STATE FOUNDATION CO.

GENERAL CONTRACTORS

(MANCHESTER, MARYLAND)
(MOUNTAIN CITY, TENNESSEE)

October 9, 1954

WBM

To whom it may concern.

We the undersigned did on July 20, 1954 assigned to the State Foundation Company the leases on the J. Blaine Stout, Walter Loyd, Don Mast and Tishie Campbell shown tracts.

Signed Ulof Miller

Signed Arthur C. Waldon

Witness

Subscribed and Sworn to this
9" Oct. 1954

Clyde C. Wilson
Notary Public
Mountain City Tenn
Johnson Co.

My Com expires
Jan-13-1957

RECEIVED
OCT 15 1954
Bureau of Mines
RECEIVED
OCT 11 1954
U. S. Geological Survey
Geological Division
Knoxville, Tenn.

Docket

Mountain City, Tenn.
10-9-54

Dear Mr. Laurence:

Your letter of the seventh at hand. Enclosed is proof that the State Foundation Company has all rights and privileges shown in the Stout, Lloyd, Mast and Shown tracts.

We are sorry that our interpretation of the application forms was not correct. However we had compiled the data in longhand and consulted with Mr. Hickman of the local field exploration crew who seemed to think the information would be in line and who was kind enough to type the forms for us.

We realize that some of the equipment is mining equipment and not exploration and that few miners possess much

exploration equipment that is practical on deep exploration.

However we wanted you and the other department heads to know the total amount of our equipment and to know that we are in question in a shallow or surface deposit. But desire to get into the deeper deposits in Pandora as previous records indicate that is higher grade ore.

Your assistance is appreciated.

Very truly,

George M Gilbert

per. S. M. Miller.

Docket

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 5, POST OFFICE BLDG.
KNOXVILLE 2, TENN.

WASHINGTON 25, D.C.

October 13, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region VII

Subject: Application of State Foundation - DMEA-3526, (Mn) Pandora Area.

Attached is a notarized copy of assignment of the leases on the Stout, Lloyd, Mast and Shoun (Campbell) tracts to the State Foundation Company by Max Miller and Arthur C. Walden.

D. H. Amos

D. H. Amos,

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

IN REPLY REFER TO:

Defense Minerals Administration
RECEIVED
OCT 20 1954

October 19, 1954

Re: DMEA-3526
State Foundation Co.
(Pandora Prospects)
Butler District
Johnson Co., Tenn.
$87,850 - Manganese

WSM

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of application

The applicant requests assistance to explore the Lloyd, Brookshire, Campbell, Mast, and Stout properties. He has not outlined what work he intends to undertake. However, Bob Laurence states in his memorandum of October 8th that he visited in the Pandora area in July, 1954 and recommended that crosscutting trenches and test pits would be the best exploration procedure for the operator to follow.

The Field Team believes a small exploration project is justified to determine whether mineable amounts of manganese may occur in the Rome formation on the Pandora prospects.

A considerable number of tunnels, opencuts and test pits have been excavated on the Pandora properties. Limited amounts of manganese were found and a small production was obtained during the early part of World War II.

In the Tennessee Division of Geology Bulletin 52, (1944), the following statements are made which appropriately sum up the geologic setting on the Pandora leases, -- "The openings of the Pandora prospects indicate the presence of high-grade manganese oxides over a wide area, but in several small disconnected ore bodies. All the ore bodies are in a series of veins or veinlets of pyrolusite which seem to be restricted to layers of yellow silty clay in the shale. Prospecting for such bodies is difficult, as they are likely to be missed by pits and test holes."

A preliminary stage of trenching followed by test pitting as a second stage appears to be warranted. However, I recommend a Field Team referral for an examination and to locate the preliminary trenches.

Copy returned
W. S. Martin

E. L. Newcomb
E. L. Newcomb

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

October 11, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region VII

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region VII.

DMEA - 3526 State Foundation Co.

Robert E. Adams,
Chief, Operation's Control
and Statistics Division

October 11, 1954

State Foundation Co.
P. O. Box 391
Mountain City
Tennessee

Subject: DMEA-3526
Re: Exploration Assistance
Campbell, Stout, Lloyd,
& Hast

Gentlemen:

The receipt of your application dated October 4, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3526 and referred to the Iron and Ferro-Alloys Division.

Kindly refer to DMEA-3526 in any future correspondence relating to your application.

Sincerely yours,

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
OCT 11 1954

October 8, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region VII

Subject: Application by State Foundation Company, Mountain City, Tenn. (Manganese) Pandora Prospects, Johnson City, Tennessee

Enclosed herewith are 3 copies of the subject application, received in this office October 7, accompanied by four leases and a set of Owner's Consent to Lien forms for each lease. Also enclosed are three copies of my reply to the applicant.

These four leases are in the Pandora prospect area, which is adequately described on pages 151 to 157 of Bulletin 52, Tennessee Division of Geology. I am unable to definitely identify the Mast property, but I think it is the tract lying just South of the Brookshire tract, as shown on figure 21 of Bulletin 52.

I visited this area very briefly in July of this year. The approximate locations at which I would recommend shallow bulldozer trenches, with test-pit sites to be selected as a second stage, are shown on the accompanying map, which was traced from figure 21, Bulletin 52. The Pandora mine, and a few others in the Rome formation, have yielded a small tonnage of high-grade manganese concentrates, but the probability of small tonnages does not suggest desirability of an expensive exploration program. Crosscutting shallow bulldozer trenches as shown in red on the accompanying map, are believed to be adequate to test the extent of mineralized ground in the weathered Rome shales. But it must be recognized that the probability of significant discovery is much less in the Rome formation than in residuum of the Shady dolomite.

The applicants have had no experience in mining prior to their present work in Johnson County, which they began about 8 months ago. They are, however, experienced in earth moving and construction work, and they have hired a local prospector and miner to direct their work. I am not acquainted with him and am unable to appraise his

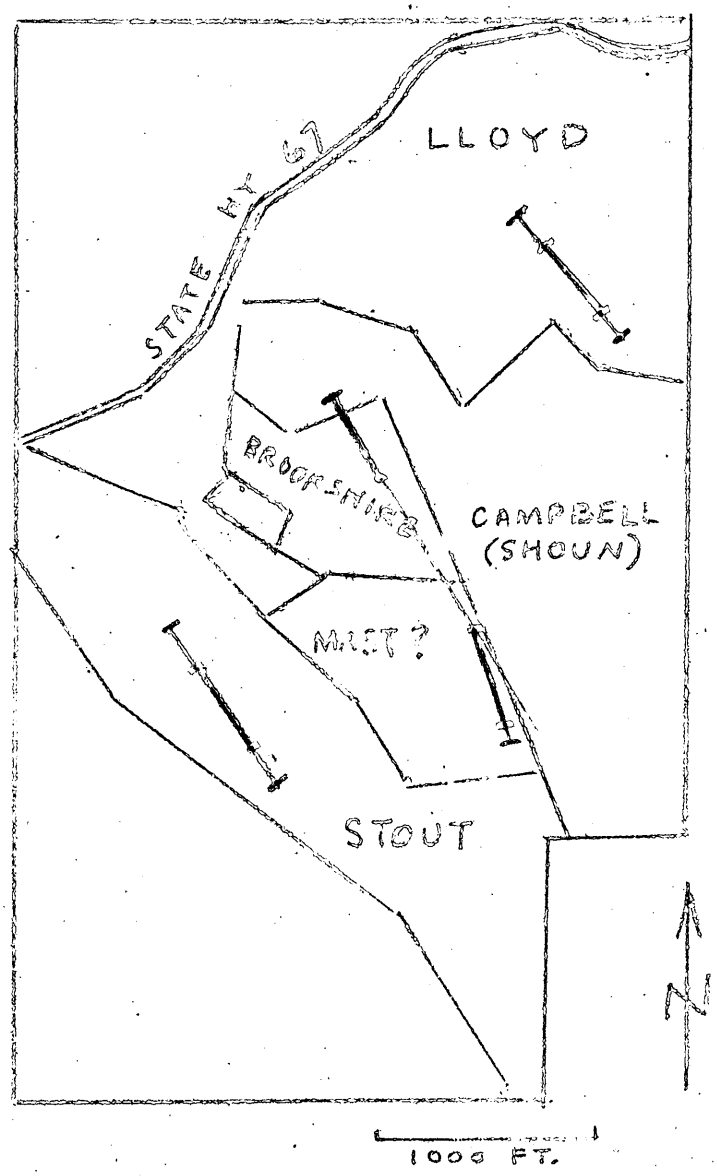
ability and experience.

To sum up: I believe these prospects justify a small amount of shallow exploration, to determine whether mineable tonnages exist, and to indicate whether or not deposits in the Rome formation else where in the district may merit consideration. A specific recommendation with data for inclusion in a contract will require additional information from the applicant, and will not be submitted until after review by the commodity group, the Geological Survey and Bureau of Mines. A field examination will probably be required.

Please note the applicant's request for the return of the leases.

Robert A. Laurence

Robert A. Laurence



PANDORA PROSPECT AREA.

SEE FIG 21, page 198,
TENN. DIV. GEOL. BULLETIN 58.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

Defense Minerals Exploration Administration
OCT 11 1954

October 7, 1954

Mr. George M. Tribett
State Foundation Co.
P.O. Box 391
Mountain City, Tennessee

Dear Mr. Tribett:

Your letter of October 6 and four copies of your application for aid in exploring for manganese on the Stout, Lloyd, Mast and Shoun (Campbell) tracts, comprising the Pandora Prospect area in Johnson County, Tennessee, have been received, and I am forwarding them to our Washington office, for processing in accordance with established procedure.

Although the four leases are made to Max Miller and Arthur Walden as lessees, the application is in the name of State Foundation Company and there is no documentary evidence of transfer or assignment for these leases to State Foundation Company. This should be supplied.

Several items in the application are obviously for mining, not exploration, and therefore may not be included in an exploration project. These include the 3/4 yard shovel, 3-cell jig, 26-foot logwasher and probably the 3-yard dump truck. Also $2000 tool and storage house is much more than an exploration job of this type needs. On many contracts of comparable size, our Operators have erected tool houses at $100 to $150 cost.

As I told Mr. Miller when I was in Mountain City in July, the best way to explore this type of deposit is by shallow crosscutting bulldozer trenches, possibly followed by test pits in selected favorable locations in the trenches. Your estimate of the cost of such trenching and test-pitting would be most helpful in appraising the application.

As we have copies of the geologic map from Bulletin 52 here and in Washington, I am returning your copy herewith. The four leases will be returned to you after the necessary information has been reviewed by our Washington office.

Very truly yours,

Robert A. Laurence

RAL/lm
cc:
Book
Lynch- Opr. Com-2
Files

Please return our original copies of leases of the following properties

Don Mast

Tishie Campbell Shown

Walter Lloyd

J. Blaine Stout

~~and~~ ~~not~~ ~~map~~.

All of these papers are marked with pencil

Return to.

State Foundation Co.
Box 391
Mountain City, Tennessee

All correspondence should be sent to this same address.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

RECEIVED
OCT 11 1954

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. 3526
Metal or Mineral MANGANESE
Date Received
Estimated Cost $87,850
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: State Foundation Company
P. O. Box 25, Manchester, Md.
Present working address: P. O. Box 391,
Mountain City, Tenn.

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract See lease of Tishie Campbell Shoun dated 6-3-54; Don and Addie Mast dated 6-2-54; Blaine and Etoila B. Stout dated 6-2-54; Walter Loyd dated 6-17-54.

(*b*) State any mine name by which the property is known. Campbell, Stout Lloyd, Mast.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Lessee

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Manganese

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within 10 days and be completed within 18 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)?

(*b*) How do you propose to furnish your share of the costs?

☐ Money ☒ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated 10-4, 1954

State Foundation Co
(Applicant)

By Geo M Imbett
Owner

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—66551-1

Form MF 103.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 11 1954

4-A We refer to Bulletin #52, Geology and Manganese Deposits of Northeastern Tennessee, for record of past operations on these properties. Present operations are preliminary work with bulldozer and hand work in test pits.

The production facilities consist of one new 26-foot log washer, one 3-inch gas driven pump, one 2-inch gas driven pump, one 3-yard Ford dump truck, one TD9 Payloader with bucket and dozer blades and one Dodge 1-ton panel truck. The preparation plant is currently in operation. A trommel screen carries the product from the log washer to a picking belt, where the end product is prepared. A sludge pond of approximately one acre has been constructed. An abundant supply of water is available from Doe Creek, in the immediate vicinity.

My interest in the operation being owner of the State Foundation Company, who for certain considerations, have taken up the leases secured by Max Miller and Arthur C. Walden.

All properties have very good access roads and are not more than one mile from hard surface roads, and not more than two miles from washer location.

4-B Past production is recorded in Bulletin #52, except Mast Hill which is reported locally to have been approximately 15 tons, of 44% ⇐ Mn ore. The Stout property is reported to have produced 10 tons of 70% ore, which was sold in Kingsport, Tenn.

Concentrate ⇒ MnO_2 ⇒ 70% concentrate

4-C The topography is rolling to steep. The manganese occurs as nodules in clay, with wad showing in several locations near the surface. The formations are similar to these showing in the old workings, which did not extend more than 10 or 15 feet in vertical depth from the surface. We believe the surface showings and indications in the old workings justifies further exploration in depth.

Included herewith are sketches of the individual properties.

4-D The access roads are good. The longest haul over unimproved roads is less than one mile and the longest haul to the preparation plant is about two miles. The nearest railroad shipping point is at Damascus, Virginia, 21 miles distant from the washer. We have a lease from R. H. Hines of Damascus for a loading ramp on the railroad.

4-E Manpower is plentiful, materials and supplies of all kind can be procured within a 40-mile radius, water pumped from Doe Creek is ample for washer operation, the plant is powered by gas engine and electricity on premises.

5-A Individual sketches of each property enclosed. Propose full exploration.

5-B Operation experience - 32 years as general superintendent in general and heavy construction, excavation, dredging and bridge work.

Persons to supervise have 30 years experience as superintendent and foreman in construction work.

Form MF 103 - continued.

6 Estimated costs.

6-A Independent contracts - none.

6-B	Labor, common,	8,000 man hours @ $100/hr.	$8,000.00
	Labor, skilled,	3,000 man hours @ $2.00/hr	6,000.00
	Supervision		5,500.00
	Engineering and Geological consultants		2,500.00
6-C	Operating materials and supplies		
	Hand tools		500.00
	Gas, oil , lubricants		9,500.00
6-D	Operating equipment to be rented or purchased.		
	One 3/4 yd. shovel		11,000.00
	One 3-cell jig		2,000.00
	Equipment owned by applicant to be used on project.		
	One 26-ft. log washer	18 mos. @ 500/mo.	9,000.00
	One TD9 International Payloader and dozer	18 mos. @ $850/mo.	15,300.00
	One 3-yd. dump truck	3,000 hrs. @ $2.50/hr.	7,500.00
6-E	Rehibilitation and repairs - none		
6-F	New buildings, improvements, installations.		
	Tool room and storage buildings		2,000.00
6-G	Miscellaneous.		
	Average monthly maintenance repairs based on previous operation.		
	Payloader	18 mos. @ $150/mo.	2,700.00
	Dump truck	18mos. @ $75/mo.	1,350.00
	Analytical work, accounting, workmans compensation liability insurance and pay rolls		3,000.00
6-H	Contingencies		
	Estimated		2,000.00

Are you prepared to furnish your share of the cost? Yes.

7-A (B) How do you propose to furnish your share of the cost?
By use of equipment owned by me at the prevailing rate per month for the type of equipment used.

T. C. Shown

... OF THE INTERIOR
... Minerals Administration
RECEIVED
OCT 11 1954

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Tennessee, County of Johnson, described ~~as follows~~:1/

~~in a lease dated June 8, 1954 and recorded in Book 2 at page 270~~
official records of said county.

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ State Foundation Company
P. O. Box 391,
Mountain City, Tenn.
hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract or any amendment thereof shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract or any amendment thereof there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

(OVER)

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

4. Changes and added provisions _____

_____

_____

_____

Dated this 1 day of October, 1954.

Tekia C. Shown [Seal]

_____ [Seal]

_____ [Seal]

DEPARTMENT OF THE INTERIOR
Bureau of Mines Administration
RECEIVED
OCT 11 1954

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Tennessee, County of Johnson, described ~~as follows~~:1/

~~in a lease dated June 8, 1954 and recorded in Book 2 at page 270 official records of said county.~~

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Mountain City, Tenn.
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4. Changes and added provisions _____

_____

_____

_____

Dated this 1 day of October, 1954.

Tishia C. Shaun [Seal]

_____ [Seal]

_____ [Seal]

...T OF THE INTERIOR
...Minerals Administration
...EIVED
OCT 11 1954

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Tennessee, County of Johnson, described as follows:1/

In a lease dated June 9, 1954 and recorded in Book 2 at page 270 official records of said county.

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ State Foundation Company
P. O. Box 391,
Mountain City, Tenn.

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

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(OVER)

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4. Changes and added provisions _____

_____

_____

_____

Dated this 1 day of October, 1954.

Tishia C. Shown [Seal]

_____ [Seal]

_____ [Seal]

DEPARTMENT OF THE INTERIOR
Bureau of Mines Administration
OPENED
OCT 11 1954

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Tennessee, County of Johnson, described ~~as~~ ~~follows~~:1/

In a lease dated June 6, 1954 and recorded in Book 2 at page 270 official records of said county.

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ State Foundation Company
P. O. Box 391,
Mountain City, Tenn.

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract or any amendment thereof shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract or any amendment thereof there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

(OVER)

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

4. Changes and added provisions _____

_____

_____

_____

Dated this 1 day of October, 195 4.

Tishia C. Shaun [Seal]

_____ [Seal]

_____ [Seal]

Legal

AMERICA
Administration
RECEIVED
OCT 11 1954

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Tennessee, County of Johnson, described ~~as follows~~ 1/

in a lease dated June 18 1954, and recorded in Book 2 at page 272, official records of said county.

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ State Foundation Company,
P. O. Box 391,
Mountain City, Tenn.

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract or any amendment thereof shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production 3/ provided for under the terms of said exploration project contract or any amendment thereof there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

(OVER)

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

4. Changes and added provisions _____

_____

_____

_____

Dated this 30 day of September, 1954.

W. W. Loyd [Seal]

_____ [Seal]

_____ [Seal]

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 11 1954

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Tennessee, County of Johnson, described as ~~xxx~~ ~~xxxxxxx~~: 1/

~~in a lease dated June 18, 1954, and recorded in Book 2 at page 272, xxxx official records of said county.~~

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ State Foundation Company,
P. O. Box 391,
Mountain City, Tenn.
hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract or any amendment thereof shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production 3/ provided for under the terms of said exploration project contract or any amendment thereof there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

(OVER)

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

4. Changes and added provisions _____

_____

_____

_____

Dated this 30 day of September, 1954.

W. H. Lazy [Seal]

_____ [Seal]

_____ [Seal]

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Tennessee, County of Johnson, described ~~as~~ ~~follows~~ 1/

in a lease dated June 18, 1954, and recorded in Book 2 at page 272, ~~and~~ official records of said county.

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ State Foundation Company,
P. O. Box 391,
Mountain City, Tenn.

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract or any amendment thereof shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production 3/ provided for under the terms of said exploration project contract or any amendment thereof there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

(OVER)

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

4. Changes and added provisions _____

_____

_____

_____

Dated this 30 day of September, 1954.

W. W. Floyd [Seal]

_____ [Seal]

_____ [Seal]

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Tennessee, County of Johnson, described as follows: 1/

in a lease dated June 18, 1954, and recorded in Book 2 at page 272 of official records of said county.

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ State Foundation Company,
P. O. Box 391,
Mountain City, Tenn.

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract or any amendment thereof shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production 3/ provided for under the terms of said exploration project contract or any amendment thereof there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

(OVER)

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

4. Changes and added provisions _____

_____

_____

_____

Dated this 30 day of September, 1954.

W. W. Lloyd [Seal]

_____ [Seal]

_____ [Seal]

B. 54 ou f.

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Tennessee, County of Johnson, described ~~as follows:~~ 1/

in a lease dated June 7, 1954 and recorded in Book 2 at page 265 official records of said county.

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ State Foundation Company
P. O. Box 391,
Mountain City, Tenn.

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract or any amendment thereof shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production 3/ provided for under the terms of said exploration project contract or any amendment thereof there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

(OVER)

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

4. Changes and added provisions _____

_____

_____

_____

Dated this 30 day of Sept., 195 4.

J. Blaine Stout [Seal]

_____ [Seal]

_____ [Seal]

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Tennessee, County of Johnson, described ~~as~~ ~~xxxxxxx~~ follows:1/

in a lease dated June 7, 1954 and recorded in Book 2 at page 265 official records of said county.

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ State Foundation Company
P. O. Box 391,
Mountain City, Tenn.

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract or any amendment thereof shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract or any amendment thereof there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

(OVER)

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

4. Changes and added provisions _____

_____

_____

_____

Dated this 30 day of Sept., 1954.

J. Blaine Stout [Seal]

_____ [Seal]

_____ [Seal]

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Tennessee, County of Johnson, described ~~as follows:~~ 1/

in a lease dated June 7, 1954 and recorded in Book 2 at page 265 official records of said county.

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ State Foundation Company
P. O. Box 391,
Mountain City, Tenn.

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract or any amendment thereof shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production 3/ provided for under the terms of said exploration project contract or any amendment thereof there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

(OVER)

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

4. Changes and added provisions _____

_____

_____

_____

Dated this 30 day of Sept., 1954.

J. Blaine Stout [Seal]

_____ [Seal]

_____ [Seal]

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Tennessee, County of Johnson, described as follows1/

in a lease dated June 7, 1954 and recorded in Book 2 at page 255 official records of said county.

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ State Foundation Company
P. O. Box 391,
Mountain City, Tenn.

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract or any amendment thereof shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract or any amendment thereof there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

(OVER)

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

4. Changes and added provisions _____

_____

_____

_____

Dated this 30 day of Sept, 1954.

J. Blaine Stout [Seal]

_____ [Seal]

_____ [Seal]

Mast

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Tennessee, County of Johnson, described ~~xxx~~ ~~xxxxxxx~~ 1/

7 269

in a lease dated June 17, 1954 and recorded in Book 2 at page 269 official records of said county.

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ State Foundation Company
P. O. 391,
Mountain City, Tenn.

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract or any amendment thereof shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production 3/ provided for under the terms of said exploration project contract or any amendment thereof there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

(OVER)

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

4. Changes and added provisions _____

_____

_____

_____

Dated this _____ day of _____, 195___.

_____ [Seal]

_____ [Seal]

_____ [Seal]

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Tennessee, County of Johnson, described ~~xxx~~ ~~xxxxxxx~~ 1/

in a lease dated June 7, 1954 and recorded in Book 2 at page 269 official records of said county.

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ State Foundation Company
P. O. 391,
Mountain City, Tenn.

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract or any amendment thereof shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract or any amendment thereof there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

(OVER)

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

4. Changes and added provisions _____

_____

_____

_____

Dated this _____ day of _____, 195___.

Don Arnott [Seal]

Addie Nat [Seal]

_____ [Seal]

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Tennessee, County of Johnson, described ~~xxx~~ ~~xxxxxxx~~ 1/

in a lease dated June 7, 1954 and recorded in Book 2 at page 269 official records of said county.

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ State Foundation Company
P. O. 391,
Mountain City, Tenn.

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract or any amendment thereof shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production 3/ provided for under the terms of said exploration project contract or any amendment thereof there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

(OVER)

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

4. Changes and added provisions _____

_____

_____

_____

Dated this _____ day of _____, 195___.

Dan Wyatt [Seal]

Addie Wyatt [Seal]

_____ [Seal]

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Tennessee, County of Johnson, described as ~~follows:~~ 1/

In a lease dated June 7, 1954 and recorded in Book 2 at page 269 official records of said county.

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ State Foundation Company
P. O. 391,
Mountain City, Tenn.

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract or any amendment thereof shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production 3/ provided for under the terms of said exploration project contract or any amendment thereof there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

(OVER)

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

4. Changes and added provisions _____

_____

_____

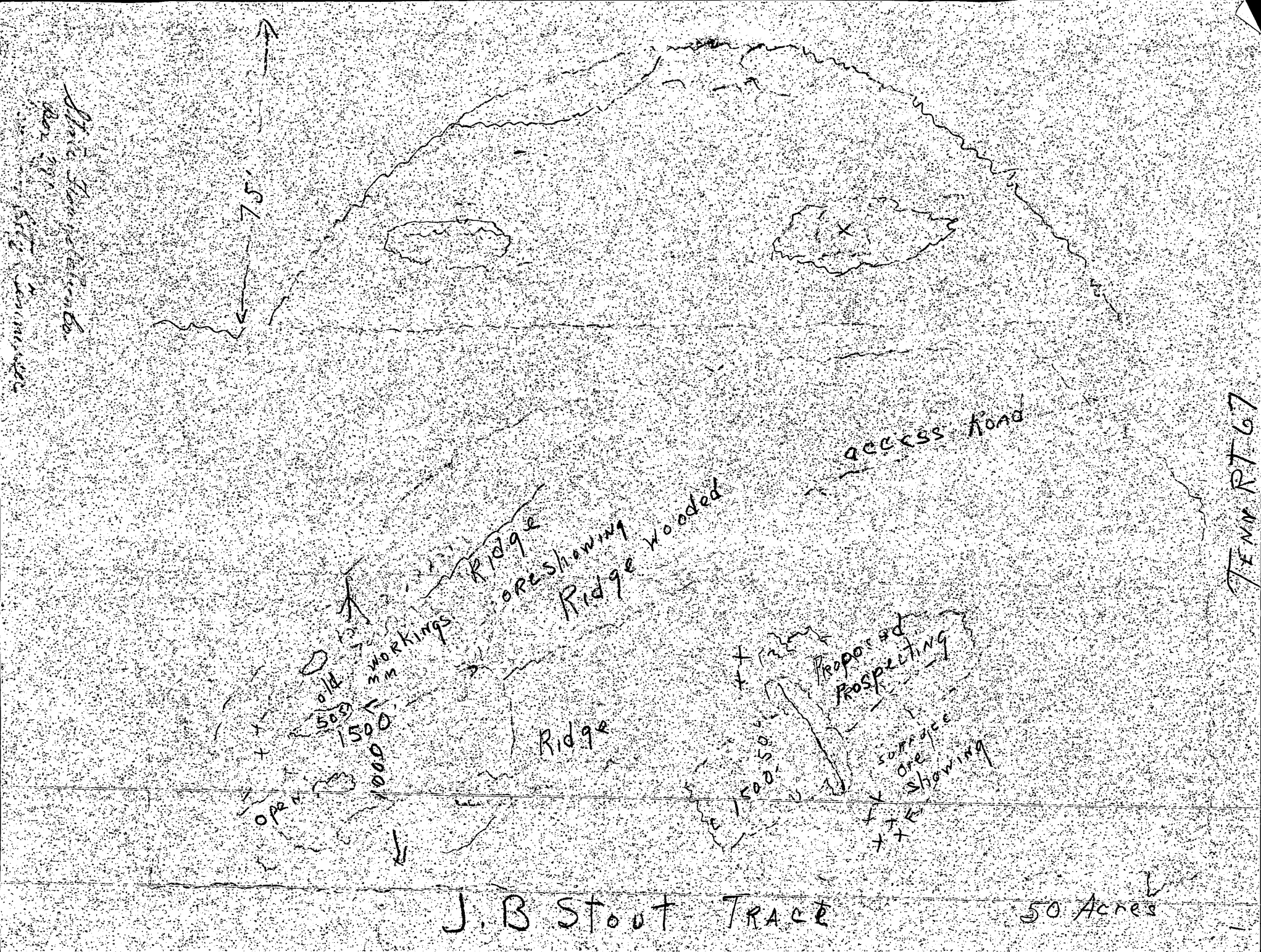
_____

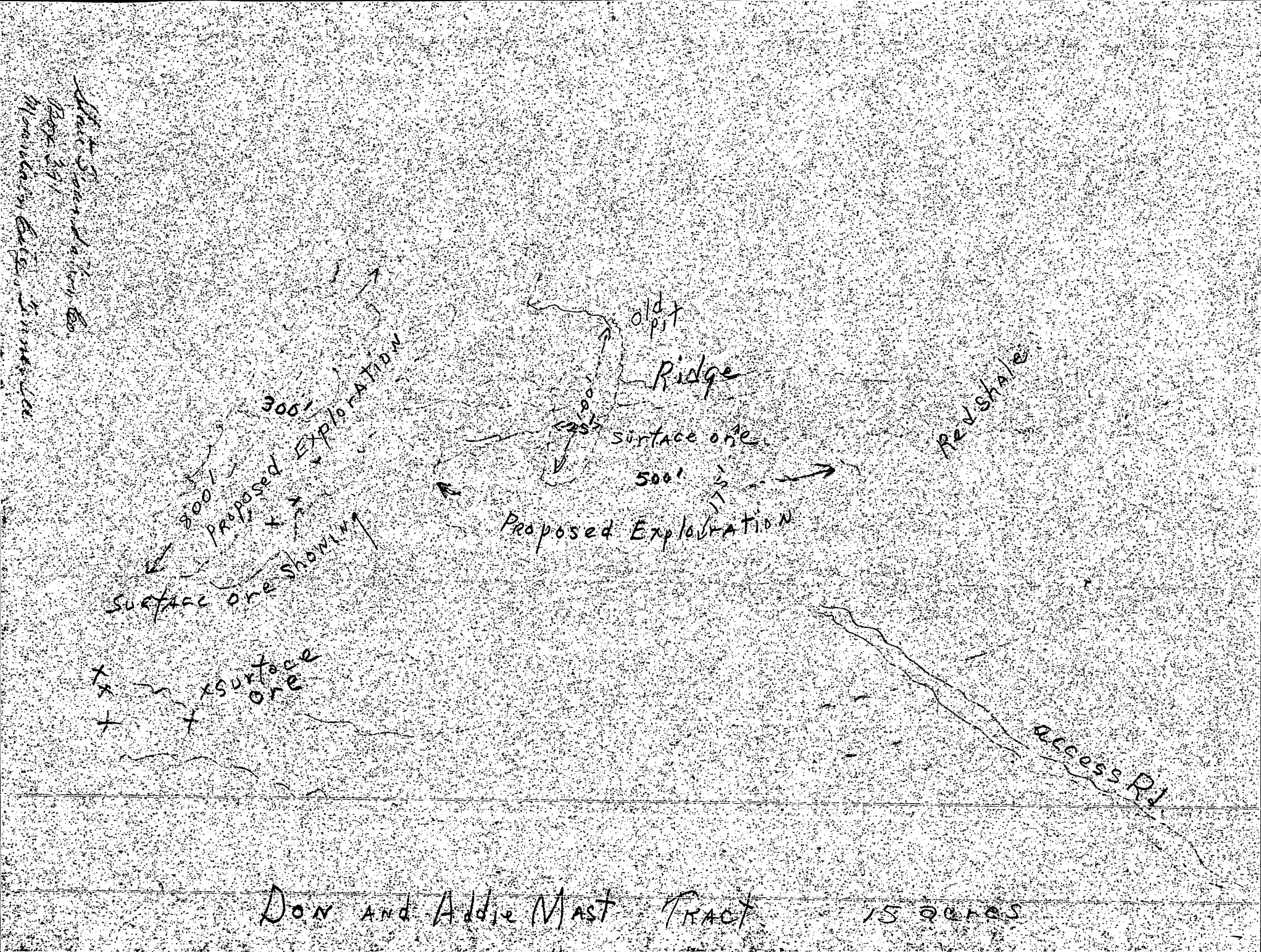
Dated this _____ day of _____, 195___.

_____ [Seal]

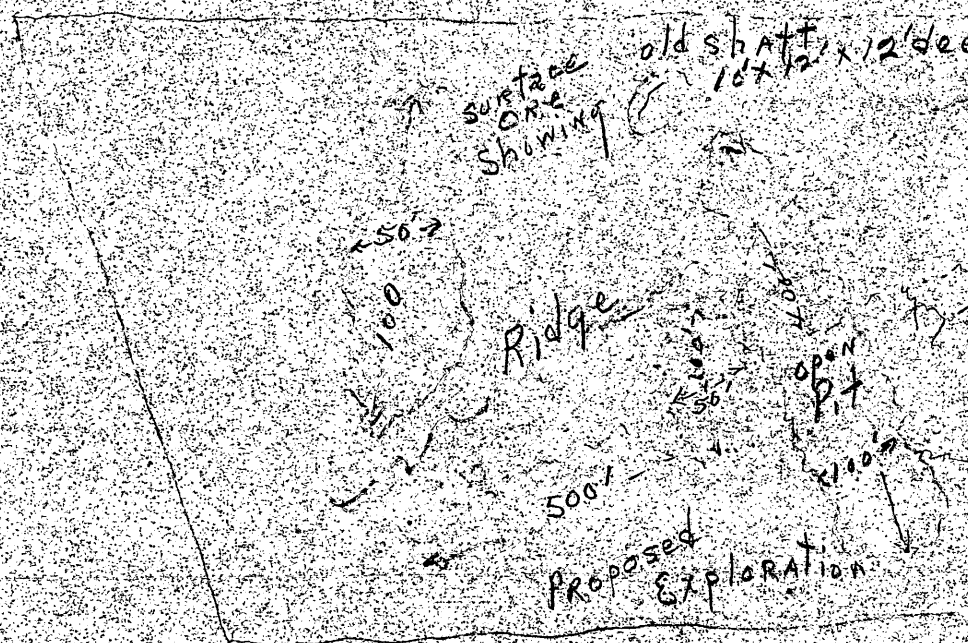
_____ [Seal]

_____ [Seal]


75'
access Road
Ridge
ore showing
Ridge wooded
old mm workings
500
1500'
1000
Ridge
open
Proposed Prospecting
1500
surface ore showing
J. B Stout Trace
50 Acres
TENN RT 67



Don and Addie Mast Tract 15 acres



Lloyd Tract 4 acres more @ option of operator

Brookshire Mine

Campbell Mine

Proposed Exploration Adit

1500'

400'

ore showing

300'

Old Tunnel Entrance

200'

Proposed New Tunnel

Pandora Butler quadrangle

Campbell T.C. Shown Tract 50 acres

DMEA OPERATING COMMITTEE

ROOM 4539

INTERIOR BLDG.

By Truck