DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA ~~DMA~~ Docket No. 2460

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in Reports and Records Branch. Any movement of this document between divisions or offices of DMA or movement outside DMA must be reported to the Reports and Records Branch. Actions taken that affect status of the case must also be reported.

This document has been recorded as

EXPLORATION PROJECT

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

Routing Slip

Copies to USBM, USGS, & Region VI.

To: Code 500, Rm. 2614 Date 4-1-52

To: Op Ann Date 8-6-52

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

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To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

DO NOT DETACH

CONTROLLED DOCUMENT

BECK MINING COMPANY

P. O. BOX 408

MIAMI, OKLAHOMA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 5 1953

December 31, 1952

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
Washington 25, D. C.

Re: Docket No. DMEA-2460 (Lead-Zinc)
Cherokee County, Kansas

Dear Mr. Mittendorf:

The Beck Mining Company has temporarily postponed any further development work on the Garrett Properties because of the present low prices for lead and zinc.

We intend at some future time to ask to have this application reconsidered.

I would like to thank you and Mr. Gallagher for your assistance on this project.

Sincerely yours,

BECK MINING COMPANY

George W. Beck III

George W. Beck, III

GWB:fsa

File no reply necessary
1/8/53 JEJ

FILE COPY
SURNAME:

500

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

DEC 15 1952

Mr. George W. Beck
Beck Mining Company
P. O. Box 408
Miami, Oklahoma

Re: Docket No. DMEA-2460 (Lead-Zinc)
Cherokee County, Kansas

Dear Mr. Beck:

Mr. David Gallagher, Executive Officer, DMEA Field Team, Region VI, Joplin, Missouri, wrote you concerning your application for exploration assistance on August 14, 1952. In that letter, Mr. Gallagher stated that your application would be held in the active file until November 30, 1952, but if he had not heard from you to the contrary by that time, it would be assumed that you were not in a position to proceed with the application and the docket would be closed.

Since no further word has been received from you, I regret to inform you that your application is being placed in the inactive file.

The Government appreciates your interest in bringing your property to its attention. If at some future date you wish to have your application reconsidered, the subject docket will be available for reference.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

12-15-52

HFKeller/bjl (written 12/11/52)

Dopy to: Docket
Admr. R. File
Op. Committee
H. F. Keller (2)
Mr. Bishop
Mr. Kinkle
Reg. VI (2)
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
xxxxxxxxxxxxxx
Joplin, Missouri
August 14, 1952

Mr. George W. Beck
Beck Mining Company
P. O. Box 408
Miami, Oklahoma

Re: Docket DMEA-2460
Beck Mining Company

Dear Mr. Beck:

Thank you for your letter of August 1, 1952 advising the reasons for delay regarding your proposed drilling on the Garrett.

I consulted the Washington office in the matter and they recommend that I advise you that your application will be held in the active file until November 30, 1952. At that time, if we have not heard from you to the contrary it will be assumed that you are not in a position to proceed with the application and the docket will be closed.

Sincerely yours,

David Gallagher
Executive Officer
DMEA Field Team, Region VI

DG/jd
cc: Operating Committee

AUG 18 1952

FILE COPY
SURNAME:

500

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

AUG 11 1952

Mr. David Gallagher
Executive Officer, Region VI
DMEA Field Team
221 West 3rd Street
Joplin, Missouri

Re: Docket No. DMEA-2460 (Lead-Zinc)
Beck Mining Company
Cherokee County, Kansas

Dear Mr. Gallagher:

We have your memorandum of August 4, 1952, concerning correspondence with the subject Applicant.

We recommend that you advise the Beck Mining Company that their application will be held in the active file until November 30, 1952, and that if at that date they have not advised you to the contrary, it will be assumed that they are not in a position to proceed with the application and the docket will be closed.

Sincerely yours,

(signed) FRANK E. JOHNSON (JHB)

Chairman, Operating Committee
HFKeller/mb
August 6, 1952
cc to: Docket
Adm Reading File
Operating Committee
Mr. Keller (2)
Mr. Bishop
Mr. McKnight
Region VI
Chron

APPROVED:

C. H. Johnson (JHB)
Member, Bureau of Mines

D. M. Lesmon (JHB)
Member, Geological Survey

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Joplin, Missouri
August 4, 1952

Re: Docket DMEA-2460
Beck Mining Co.

Memo

To: Operating Committee

From: David Gallagher, Executive Officer, Field Team, Region VI

I sent you a copy of my letter of July 17, 1952 to the Beck Mining Company.

Attached hereto is a copy of the reply received today.

Will you please advise if you wish me to take any action other than to wait and seewhat develops.

David Gallagher

DG/jd
Enc.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JOPLIN
AUG 5 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
xxxxxxxxxxxxxx
Joplin, Missouri
August 4, 1952

Re: Docket DMEA-2460
Beck Mining Co.

Memo

To: Operating Committee

From: David Gallagher, Executive Officer, Field Team, Region VI

I sent you a copy of my letter of July 17, 1952 to the Beck Mining Company.

Attached hereto is a copy of the reply received today.

Will you please advise if you wish me to take any action other than to wait and seewhat develops.

David Gallagher

DG/jd
Enc.

AUG 5 1952

C
O
P
Y

BECK MINING COMPANY
P.O. Box 408
August 1, 1952

Mr. David Gallagher,
Executive Officer
Defense Minerals Administration
Joplin, Missouri

Re: Docket DMEA-2460
Beck Mining Co.

Dear Mr. Gallagher:

As you may remember the MacArthur Mining Company had a one-half interest in the Garrett.

The recent bankruptcy and resulting receivership for MacArthur has confused this picture for this reason: MacArthur presently doesn't have sufficient money to proceed with us in doing the Garrett drilling and yet the receiver may sell this contract to some other mining company. Consequently we are not at present in a position to proceed.

If our application can be held, I believe during the latter part of the year we will have this situation straightened out and will be in a position to furnish you with the contract you asked about in your letter of July 17th.

Sincerely yours,

BECK MINING COMPANY

(s) George W. Beck(a)
George W. Beck, III

GWB:fsa

The application of the Beck Mining Company was discussed with Mr. David Gallagher by phone on April 9. Mr. Gallagher advised that he would discuss the drilling rate with the applicant and would transmit a quotation and Exhibit A with the idea of using the short form contract, as the applicant is not interested in participation in supervision, rehabilitation or anything except the direct contract drilling cost.

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMEA-2460

To: Mr. C. O. Mittendorf

Commodity Lead and zinc

Total Amount $12000

Govt. Participation 50% $6,000

1. Name and Address of Applicant Beck Mining Company, Box 408, Miami, Oklahoma and MacArthur Mining Company, Box 356, Baxter Springs, Kansas.

2. Location of Property Garrett Lease, T. 34 S., R. 23 E., Sec. 36, in Tri-State District, 4 miles N. of Picher, Oklahoma, in Cherokee County, Kansas.

3. Mineral or metal Lead, zinc Is it listed in Section 9 of MO-5? Yes

If not, application will be rejected.

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

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

a) Good X (See No. 16)

b) Poor

c) None

d) Don't know—needs field examination

e) Is there an alternative and favorable project? No
(If so, attach an explanation)

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

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

Does the lease have sufficient time to run to cover a future

productive period? Yes

*question numbers are those of MF-103

7. Are subordination agreements necessary? _____

a) MF-201? _____

b) MF-202? Yes

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

a) Available manpower Yes

b) Equipment and supplies Yes
(question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Yes

d) Water (question 13)* Yes

e) Power (question 13)* Yes

Is a field check needed on any of these points? No

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

_____

Is a field check needed on this point? No

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

a) Is the project adequately described? YES

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

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

_____

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

If not, what part of it is? _____

_____

_____

_____

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed? Yes

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

e) Are the cost estimates reasonable? Yes

f) Should more information be requested from applicant? No

g) Is a field examination necessary to complete Exhibit A? No

11. Exhibit B (question 23-d)*

a) Is it applicable?_____

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

c) Is a field check needed? No

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

a) Is it applicable? No

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

c) Are rents and charges reasonable?_____

d) Is a field check needed? No

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

a) Are there sufficient data?_____

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

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

d) Are the proposed wages and salaries reasonable?_____

e) Is a field check needed? No

14. Exhibit E (question 23-c)*

a) Is it applicable?_____

b) Sufficient data?_____

c) Reasonable?_____

d) Field check needed? **No**

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

(All exploration must be completed within two years)

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

SEE ATTACHED ELN

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

Reviewed by: C. L. Newcomb G.S.
E. L. Newcomb, GS

H. E. Olund
H. E. Olund, BM 4-2-52

O. M. Bishop
O. M. Bishop, BM

Date 4-7-52

16. The applicant's request exploration assistance to check drill a block of possible ore reserves, which were discredited by the field team in their review of an earlier mining loan application, DMA-408.

The proposed program consists of 10 churn drill holes, which will be drilled to a minimum depth of 450 feet at a maximum contract price of $12,000. These holes will check the reported results obtained by John H. Green in 1924 and will be located near J. H. Green holes 1,2,5,6,9,10,21,22,23,24,25, and 26. (See applicants' map.) The reported assays from the J. H. Green holes were used by John W. Hoffman, Garrett Mining Company (President, MacArthur Mining Company) in his estimate of minable ore reserves on the Garrett-Chubb properties in DMA-408.

The field report on DMA-408 discredited the Green assays, because of their questionable high lead-zinc ratios, which are the reverse of the usual high zinc-lead ratios in the district and in the northern part of the Garrett property. As a result of this deletion by the field team of the southern block of ore reserves, the total minable reserves were reduced to such an extent that the requested mining loan could not be justified.

The proposed check drilling can be justified geologically as reasonble exploration work, which can be expected to increase the indicated reserves on the Garrett-Chubb properties.

Mr. E. T. McKnight has discussed the applicant's proposal with Mr. David Gallagher by phone. The field team is familiar with the new application and recommends an approval of the project.

We concur and recommend an approval of the application.

E. L. Newcomb
E. L. Newcomb
Geologist

O. W. Bishop, U.S.B.M.

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMEA-2460

To:

Mr. C. O. Mittendorf

Commodity Lead and zinc

Total Amount $12000

Govt. Participation 50% $6,000

1. Name and Address of Applicant Beck Mining Company, Box 408, Miami, Oklahoma and MacArthur Mining Company, Box 356, Baxter Springs, Kansas.

2. Location of Property Garrett Lease, T. 34 S., R. 23 E., Sec. 36, in Tri-State District, 4 miles N. of Picher, Oklahoma, in Cherokee County, Kansas.

3. Mineral or metal Lead, zinc Is it listed in Section 9 of MO-5? Yes

If not, application will be rejected.

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

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

a) Good X (See No. 16)

b) Poor

c) None

d) Don't know—needs field examination

e) Is there an alternative and favorable project? No
(If so, attach an explanation)

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

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

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

*question numbers are those of MF-103

7. Are subordination agreements necessary? _____

a) MF-201? _____

b) MF-202? Yes

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

a) Available manpower Yes

b) Equipment and supplies Yes
(question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Yes

d) Water (question 13)* Yes

e) Power (question 13)* Yes

Is a field check needed on any of these points? No

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

_____

Is a field check needed on this point? No

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

a) Is the project adequately described? YES

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

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

_____

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

If not, what part of it is? _____

_____

_____

_____

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed? Yes

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

e) Are the cost estimates reasonable? Yes

f) Should more information be requested from applicant? No

g) Is a field examination necessary to complete Exhibit A? No

11. Exhibit B (question 23-d)*

a) Is it applicable?_____

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

c) Is a field check needed? No

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

a) Is it applicable? No

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

c) Are rents and charges reasonable?_____

d) Is a field check needed? No

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

a) Are there sufficient data?_____

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

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

d) Are the proposed wages and salaries reasonable?_____

e) Is a field check needed? No

14. Exhibit E (question 23-c)*

a) Is it applicable? _____

b) Sufficient data? _____

c) Reasonable? _____

d) Field check needed? No

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

(All exploration must be completed within two years)

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

SEE ATTACHED ELN

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

Reviewed by: E. L. Newcomb
E. L. Newcomb, GS
H. E. Olund
H. E. Olund, BM 4-2-52
O. M. Bishop
O. M. Bishop, BM

Date 4-7-52

16. The applicant's request exploration assistance to check drill a block of possible ore reserves, which were discredited by the field team in their review of an earlier mining loan application, DMA-408.

The proposed program consists of 10 churn drill holes, which will be drilled to a minimum depth of 450 feet at a maximum contract price of $12,000. These holes will check the reported results obtained by John H. Green in 1924 and will be located near J. H. Green holes 1,2,5,6,9,10,21,22,23,24,25, and 26. (See applicants map.) The reported assays from the J. H. Green holes were used by John W. Hoffman, Garrett Mining Company (President MacArthur Mining Company) in his estimate of minable ore reserves on the Garrett-Chubb properties in DMA-408.

The field report on DMA-408 discredited the Green assays, because of their questionably high lead-zinc ratios, which are the reverse of the usual high zinc-lead ratios in the district and in the northern part of the Garrett property. As a result of this deletion by the field team of the southern block of ore reserves, the total minable reserves were reduced to such an extent that the requested mining loan could not be justified.

The proposed check drilling can be justified geologically as reasonble exploration work, which can be expected to increase the indicated reserves on the Garrett-Chubb properties.

Mr. E. T. McKnight has discussed the applicant's proposal with Mr. David Gallagher by phone. The field team is familiar with the new application and recommends an approval of the project.

We concur and recommend an approval of the application.

E. L. Newcomb
E. L. Newcomb
Geologist

O. W. Bishop, U.S.B.M

EXPLORATION

Subject: DMEA-2460
Re: Exploration Loan
Garrett Mine
April 1, 1952

Mr. George W. Beck, III
Beck Mining Company
Box 408
Miami, Oklahoma

My dear Mr. Beck:

This will acknowledge receipt of your application dated March 25, 1952 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2460 and referred to the Base Metals Division.

Kindly refer to DMEA-2460 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Acting Administrative Officer

7862

DMEA-2460

March 25, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
MAR 3 - 1952

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

Re: Beck Mining Co., Box 408, Miami, Oklahoma
MacArthur Mining Co., Box 356, Baxter Springs, Kansas.

Garrett Lease.

Gentlemen:

The purpose of this application is to obtain Government aid in financing an "Exploration Project" under the provisions of the Defense Production Act of 1950. This project to consist of drilling ten prospect holes to a minimum depth of 450 feet at a cost not to exceed $12,000.00. The principal reason for the project is to check already existing drilling.

Several competent private and government engineers have considered the Garrett ore-body already proven as evidenced in Government department docket files RFC ND-6151 and DMA-408. However, it will be noted that the DMA engineer who examined and reported on docket DMA-408 considered the lead-ore holes drilled in the South ore-body by one John Green in 1924 to be unreliable. We propose to check-drill this doubtful area. The drilling to be carried on by an independent drilling contractor under our supervision and paid for on an agreed footage basis.

We call attention to the attached copy of the Garrett Mining Lease from which it will be noted that there are sixteen co-owners. These people reside in points from Ohio to California. To explain and obtain signatures on Owner's Consent to Lien Agreements in this case would be excessively burdensome. In lieu of this procedure, we propose that the exploration project contract shall provide for a lien upon the operator's interest in the land, precedent for which has been set by DMEA in other contracts.

Sincerely yours,

BECK MINING COMPANY

George W. Beck III

George W. Beck, III, President.

MacARTHUR MINING COMPANY

John W. Hoffman, President.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. DMEA-2460
Metal or Mineral
Date Received 3-31-52
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 31 1952

BECK MINING COMPANY
Box 408
Miami, Oklahoma
and
MacArthur Mining Company
Box 356
Baxter Springs, Kansas

Name and address of applicant

Date March 25, 1952

If you have already filed MF-100, give date filed _____, type of assistance requested _____,

DMA Docket Number (if available) _____

INSTRUCTIONS

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

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

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

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

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

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

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

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

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

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

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

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

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

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

BECK MINING COMPANY
and
MacARTHUR MINING COMPANY
(Name of company)

By George W. Beck III
President

By [signature]
(Signature of authorized official) President

March 25, 1952
(Date)

President
(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—64067-2

Attached to Form MF-103

Applicants:

Beck Mining Company	Box 408	Miami, Oklahoma
MacArthur Mining Company	Box 356	Baxter Springs, Kansas.

Re: Garrett Lease

1. (a) Garrett-Stoskopf property. Garrett Mine.
   (b) Copy of Lease Attached.
   (c) Section 36, Township 34 South, Range 23 E. Cherokee County, Kansas.

2. (a) Zinc Sulphide and Lead Sulphide.
   (b) The geologic features of the Garrett property are briefly described by Clinton C. Knox in U. S. Bureau of Mines, Report of Investigations R.I.4415, March 1949, Investigations of Zinc-Lead Deposits on Extensions of the Miami Trough, Ottawa County, Oklahoma and Cherokee County, Kansas.

John W. Hoffman applied for a DMA loan on this property during May 1951, docket DMA-408. Review and examination of drilling data and reserves tonnage was carried out by DMA field team and report submitted to Washington by Perry K. Hurlbut. Review of that report will show that Mr. Hurlbut considered certain prospect drill holes in the mineral reserve area to be unreliable. Those unreliable holes are indicated on the accompanying map by symbol. It is our purpose to check-drill the area effected.

Additional engineering reports covering drill hole averages and reserves estimates prepared by both private and RFC engineers are on file in the Washington RFC office, Lavrion Mining Co. LBE-Min 3, RFC Docket ND-6151.

3. (a) We propose to drill at least 10 holes to a minimum depth of 450 feet. Total cost not to exceed $12,000.00.
   (b) Start immediately on approval of government participation. Approximately four months required for completion using two drilling rigs.

4. Maps are submitted.

5. None required for drilling operations.

6. None required for drilling operations.

7. None required for drilling operations.

8. Labor supplied by drilling contractor.
9. Not Applicable to drilling operation.
10. (a) $6000.00 if required.
    (b) Yes.
11. None.

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA

FOR USE UNDER THE

DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2460

Date received 3-31-52

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 31 1952

BECK MINING COMPANY
Box 408
Miami, Oklahoma
and
MacARTHUR MINING COMPANY
Box 356
Baxter Springs, Kansas

Name and address of applicant

Date March 25, 1952

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

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

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

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

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

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

Attached to Form MF-100
Applicants:

Beck Mining Company	Box 408	Miami, Oklahoma
MacArthur Mining Company	Box 356	Baxter Springs, Kansas

Re: Garrett Lease

1. (a) Lead & Zinc
   (b) Cadmium in small amounts.

2. Garrett Mine
   (a) 437 foot vertical shaft 5' x 9'.
   (b) 80 feet.
   (c) None.
   (d) None - This is new ground which has not previously been mined.

The mine is presently flooded. Dewatering this mine will involve lowering the water table from 246 feet where it presently stands. On the basis of previous experience it seems reasonable to assume the pumping operation would require six months. The following determinations were made by Calhoun and by Kepner from drill log assays in order to arrive at average values for the two blocks:

	South Block		
	60% Blende	80% Galena	Rock Tons in Block
Calhoun	.62	3.76	136,333
Kepner	.46	4.23	145,692
Average	.54	4.00	141,012
	North Block		
Calhoun	5.35	.46	173,492
Kepner	5.65	.58	174,080
Average	5.50	.52	173,786

Total Rock Tons in North and South Block 314,798

3. (a) 4 Miles North of Picher, Oklahoma.
   (b) Tri-State District (Oklahoma, Kansas, Missouri).
   (c) Township 34 South, Section 36, Range 23 East.
   (d) Cherokee County, Kansas.

4. (a) The property is not now in operation.
   (b) Lessee.

5. This property has never been in production. Production would be commenced approximately three (3) months after completion of dewatering.

Attached to Form MF-100

Applicants:

Beck Mining Company	Box 408	Miami, Oklahoma
MacArthur Mining Co.	Box 356	Baxter Springs, Kansas

Re: Garrett Lease

6. (a) & (b) The MacArthur Mining Company has operated in the Tri-State field for 10 years. Mr. John Hoffman, President, has 36 years experience in the Tri-State field.

The Beck Mining Company began operations in the Tri-State field as the Beck Royalty Company in approximately 1920. Mr. C. E. Stover, Mining Engineer and General Superintendent of the Beck Mining Company, has had 29 years experience in the Tri-State mining.

7. (a) The Garrett mine was originally drilled by J. H.Green and the owners of the Commerce Mining & Royalty Company which acquired the lease from Green and completed the original drilling.

The Eagle-Picher Mining & Smelting Co. acquired the lease in 1938 and sunk the shaft to 442' and drifted out 70' toward the ore body. It appears that Eagle-Picher abandoned the property because of unfavorably high royalty under the first lease and because of the acquisition of the Commerce Mining & Royalty Co. reserves in late 1938.

In 1946 Clarence Zuvekas did some additional drilling. The Bureau of Mines has drilled the property.

Mr. Zuvekas obtained a loan from the R.F.C. in the amount of $166,000. Zuvekas, however, failed to reach the productive stage because the amount of money available was not sufficient.

(b) The MacArthur Mine, located one mile South and 1½ miles east, has been mined from 375 ft. in depth in the Grand Falls Chert horizon down to 420 ft. in depth which includes about 20 ft. of the Reeds Spring horizon, a formation encountered in the Garrett drilling. The actual production of this mine to the present date has more than tripled the ore reserves estimated before the initial mine development in 1942.

According to Mr. W. L. Kepner, the general area in and around the Garrett property and extending west for 3 miles to the Roper property presents now more potential production possibilities than any other known area in the Picher District. The C. K. & E. Mining Company operating in Section 34, 1¼ miles southwest of the Garrett, are extending their workings slightly to the west of north and practically midway between the Garrett and the Roper, 3 miles west of the Garrett.

Attached to Form MF-100

Applicants:

Beck Mining Company	Box 408	Miami, Oklahoma
MacArthur Mining Co.	Box 356	Baxter Springs, Kansas

Re: Garrett Lease

The C. K. & E. operation is an extension of a fracture line extending northwest from the main Picher field. In 1950 recovery ran 8.8% blende.

In its present state of development the Garrett will continue to be classified as one of the few potential mineralized areas, in the Tri-State District, considered as containing substantial tonnages of lead and zinc ores.

(c) Available private reports are enclosed.

8. Beck Mining Company -

Name	Title	Shares in Applicant
George W. Beck, III	President (D)	172
George W. Beck, III, In Trust		73
Lottie E. Harris	Sec.Treas.(D)	
and Lottie E. Harris Guardian for Walter Beck, Jr., J.B.Beck,II & Nancy Beck,Minors		250
Mr. Claude B. Harris	(D)	
Mrs. Geo. W. Beck, III	(D)	5

MacArthur Mining Company -

John W. Hoffman	President (D)	37½
J. W. Hoffman, Jr.	Treasurer (D)	45
Mrs. John W. Hoffman		60
Inghram D. Hook		99
Mary R. Hook		30

9.

	Authorized	Out-Standing	Par Value	No.of Shs. Outstanding	Dividend Rate Last Paid
Beck Mining Co.	500	500	None	500	$200./share
MacArthur Mining Co.	300	300	$100.00	300	

10. Not Applicable - Property not in Production.

11. Not Applicable - Property not in Production.

12. Ref.- U.S.Bureau of Mines R.I. 4415 March 1949 Page 8 Investigation of Zinc-Lead deposits on extensions of the Miami trough, Ottawa County, Oklahoma, and Cherokee County, Kansas by Clinton C. Knox. DMA files. R.F.C. Docket ND 6151.

13. Good Roads - No Problem.

14. Abundant water - No Problem.

Attached to Form MF-100
Applicants:

Beck Mining Company	Box 408	Miami, Oklahoma
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Re: Garrett Lease

15. Drilling operations will not require electric power. Pumping operations will require $50,000. electric power which would be supplied by the Empire District Electric Co. of Joplin, Missouri.

16. Not Applicable - Property not in production (approximately 35 men will be employed when the mine is in production).

17. 437 ft. - 5' x 9' vertical shaft
    1 - 16 x 16 x 40' Derrick without hopper
    1 - 1200 C.F. Chicago Pheunamatic Compressor with 200 HP Westinghouse slipring motor
    1 - 125 HP Freeman Red Giant Electric Hoist with 125 HP Westinghouse slipring motor
    3 - 10" Byran Jackson Submersible Pumps,
    1 - 3-Room Frame Office Building
    1 - Compressor and Shop Building 30 x 50'
    Electric Sub-Station
    Miscellaneous Equipment

18. DMA and RFC Engineers have made a complete report on the property.
    See DMA Docket No. 408 prepared by Mr. Perry K. Hurlbut also see RFC Docket No. ND6151.

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

BECK MINING COMPANY
MacARTHUR MINING COMPANY
(Name of company)

By George W. Beck Jr.
President
(Signature of authorized official)

By
President
President
(Title)

March 25, 1952
(Date)

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

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

COPY

MINING LEASE

THIS AGREEMENT, made and entered into this 2nd day of January, 1952, by and between ETHEL M. GARRETT, a widow; CHESTER A. GARRETT and FLOSSIE M. GARRETT, his wife; WARREN T. GARRETT, a single person; CHARLIE W. GARRETT and ADDIE M. GARRETT, his wife; LEE ROY GARRETT and VENETA L. GARRETT, his wife; BERT B. GARRETT And HAZEL M. GARRETT, his wife; NELLIE E. GARRETT BALES and MARCUS L. BALES, her husband; HOWARD D. GARRETT and LORRE GARRETT, his wife; and OLLIE R. GARRETT and GARNETTA GARRETT, his wife, as parties of the first part, and BECK MINING COMPANY, a Delaware corporation, party of the second part; Witnesseth:

Said parties of the first part in consideration of the sum of $1.00, to them in hand paid, the receipt and sufficiency of which is hereby acknowledged, and the covenants and agreements to be kept and performed and the royalties to be paid, all as hereinafter set forth, have and by these presents do demise, lease and let unto said party of the second part, its successors and assigns, for the purpose of prospecting for and mining lead and zinc ores and all other valuable minerals and metals, the following described real estate, to-wit:

The North Half (N½) of the Northeast Quarter (NE¼)
and the North Half (N½) of the Northwest Quarter (NW¼),
All in Section Thirty-six (36), and
the North Half (N½) of the Southeast Quarter (SE¼) of
Section Twenty-six (26),
All in Township Thirty-four (34) South, Range Twenty-
three (23) East, Cherokee County, State of Kansas,

for a term of ten (10) years from and after February 1, 1952, together with the option, if this is in force and effect on the expiration date, of a renewal for a like period of time thereafter, all upon the following terms and conditions, to-wit:

1. Party of the second part agrees to enter upon said lands and commence pumping or mining operations, under the terms hereof, and mining or exploration shall be carried on in good faith continuously and shall not be suspended at any time, except as provided in paragraph 2 below, to exceed thirty (30) days at any one time without the written permission of the parties of the first part; provided, that mining operations

may be suspended during any periods while the market price for zinc concentrates is below second party's cost of production, or the cost of production of second party's sub-lessees, assignees or successors.

2. At such times as the price of lead and zinc concentrates is above the second party's estimate of the cost of producing such concentrates from the land herein leased, second party or second party's sub-lessees, assignees or successors, may, in lieu of mining or explorations operations, pay the sum of $100.00 per calendar month to first parties collectively. Such payments shall be deemed advance royalties and second party may deduct the total of such advances from royalty payments upon the commencement or resumption of mining or exploration operations.

On or before February 2, 1952, second party shall pay to first parties collectively the sum of $1000.00 advance royalty which second party may deduct from royalty payments as provided above in this paragraph. In the event second party prefers, it may, in lieu of the $1,000.00 payment, realease or reassign this lease to first parties. Second party's option of paying $1,000.00 advance royalty or releasing this lease by February 2, 1952 shall be extended until such time the record of title of lands herein leased properly shows, to the satisfaction of second party's attorney, the release or termination of all prior leases. Second party's attorney shall have reasonable time within which to examine the title to lands herein leased.

3. Second party shall furnish parties of the first part a complete log of each and every hole drilled on said lands leased hereby, and at reasonable times (but not oftener than twice in any one year) a blue print showing definite location of each hole and where cuttings from drill holes are assayed, a copy of the assay.

4. The ores and minerals mined from this land may be cleaned and prepared for market at a concentrating plant acceptable to party of the Second part on other lands within the

Tri-State area and in connection with other ores; and if cleaned at such concentrating plant, shall be weighed, treated, handled and net recoverable lead and zinc concentrates determined, accounted for and disposed of, in accordance with the method and practice in effect at said concentrating plant at the time of receipt at the mill. Complete and permanent records shall be made and kept of the entire transaction, which shall be open to inspection and audit of parties of the first part, or their agents, at all reasonable times; and party of the second part, or its agent, may likewise be present and observe said operation at all reasonable and seasonable times.

5. Party of the second part shall, on or before the 10th day of each calendar month, pay to parties of the first part, as rent or royalty, eight percent (8%) of the market value of the recoverable lead and zinc concentrates contained in the ores mined and milled and sold on the premises, or taken therefrom for milling, during the preceeding calendar month, with a statement showing the amount, quantity, kind and weight, and the value thereof. Concentrates is hereby defined to mean the saleable zinc and/or lead mineral as recoverable at the mill or concentrating plant where treated, including in addition to lead or zinc any other and all metals or elements contained in such concentrates whether or not such metals or elements are by presently known or by future discovered methods of recovery may be valuable. Market value for the purposes hereof is defined to be the value of concentrates resulting from ores mined from lands herein leased, and shall be based upon the market price established in the Tri-State district for concentrates of a similiar grade and kind and prevailing at the time said concentrates are disposed of. Settlements of all sales of ores and concentrates sold shall be in the form of checks by the buyer, payable and delivered to the Baxter State Bank, Baxter Springs, Kansas, hereby designated as first parties' agent to receive such settlements, and such bank upon receipt thereof and collection duly made upon said checks, pay to first parties eight percent (8%) thereof and pay to second party the remaining ninety-two percent (92%) thereof.

In addition, second party shall pay first parties at the rate of two cents (2¢) per dry ton of tailings and chats produced at second party's mill and deposited on second party's land. Second party shall then have title to all such tailings and chats.

In the event first parties are dissatisfied with market price used in making royalty settlements, first parties shall have and hereby agree to take eight percent (8%) of said concentrates in lieu of said royalty, at the mill bins each week; and first parties agree to give written notice to second party at once in the event of not being satisfied with said ore prices.

Second party shall pay to first parties, or their tenants, all damages to growing crops, fences, fields, etc. caused by operations during the prospecting period.

6. Party of the second part, its successors, sub-lessees, or assigns, shall mine said land in a good workmanlike way and manner, shall keep all shafts and drifts well and securely cribbed, timbered, and supported and shall not remove said cribbing, timbers, or supports, so as to endanger the ground or permit the same to cave or fall in; provided, that party of the second part shall not be liable for roofs falling, cave-ins or falling-ins due to the lack of workmanshiplike manner of its predecessors. Pillars shall be left in said mine when and wherever necessary to prevent the roof from falling or the said mine from caving or falling in, and shall not be removed except upon the written permission of the first parties, or their agents. Party of the second part shall have the right to occupy and use so much of said lands as in its judgment may be necessary for the purposes of conducting operations hereunder, including the right to erect all necessary buildings, machinery and equipment for mining, dressing, crushing and cleaning ores, the building of ponds for the storage or settling of water pumped or used in connection with said operation, and to build and construct trams, roads, and railroads over and across this land for the purpose of carrying out the terms hereof, and may come upon said land and remove such equipment within a reasonable time after the expiration or termination hereof.

7. This lease is executed with the understanding that parties of the first part warrant title and possession hereunder, and that first parties, if called upon to do so, will defend the second party's right of possession of lands herein leased. First parties specifically agree that all presently outstanding leases have been forfeited and terminated by first parties and that first parties shall, prior to February 2, 1952, obtain any necessary releases or take whatever action may be necessary to clear the records and properly show the termination of prior leases.

8. In the case of failure of party of second part to keep and perform the terms of this lease, parties of the first part may give sixty (60) days written notice mailed to the Beck Mining Company, Box 408, Miami, Oklahoma, of the violation complained of, and if such violation or default is not removed or corrected in said period, this lease shall thereupon terminate at the option of the first parties, which shall be evidenced in writing.

9. Party of the second part, may at any time, if it desires to do so, and is hereby given the right to, pay the sum of $1.00 together with all rents or royalties then due, and surrender and terminate this lease by giving five (5) days written notice thereof to ETHEL M. GARRETT or WARREN E. GARRETT, Baxter Springs, Kansas, and executing and tendering to first parties a written release together with a valid reassignment to first parties of rights assigned in the preceeding paragraphs; or, if unable to tender a release to first parties, shall place an executed release of record and pay the filing or recording fee and mail to first parties at Baxter Springs, Kansas, properly executed valid reassignment of the rights assigned in the preceeding paragraphs hereof, and in either event second party shall thereupon be relieved from all further obligations hereunder with like effect as if this lease had not been made.

10. This lease shall run to and be binding upon each of the parties hereto, their heirs, legatees, legal representatives, successors, sub-lessees or assigns.

11. It is further agreed between the parties that every shaft located on the premises herein leased and used by second party for the purpose of hoisting ore shall be, at the expiration of this lease, and at the cost and expense of second party, covered in a workmanlike manner.

12. Cessations or delays in operations hereunder, when occasioned by fire, riot or civil commotion, strikes or other labor controversies, operation of law or interference of government agencies, acts of nature or other causes beyond the control of second party and which second party could not have been deemed reasonable to have foreseen, shall be excused during the continuance of such cause, without working termination or forfeiture of this lease.

13. First parties, or first parties' agent, shall have the right at all reasonable times to inspect any and all mines, shafts, drifts, or workings in and upon said land and may use the machinery of the second party for that purpose.

14. First parties hereby designate, name and appoint ETHEL M. GARRETT and WARREN E. GARRETT, CHARLIE W. GARRETT and CHESTER A. GARRETT as their agents for all purposes of this lease, including the power to serve notice of termination under paragraph 8 herein, with power and authority for them to modify and change said lease except as to royalty or term. In the event of death or resignation of any of the agents herein named, the powers granted may be exercised by the surviving agents.

15. All uses of the lands herein leased not required by second party, its sub-lessees, assignees or successors, or inconsistent with the operations contemplated by the parties to this lease is specifically reserved to first parties.

16. Second party agrees to comply with all the laws of the State of Kansas, pertaining to the mining of lead and zinc ores, and carry proper workmen's compensation insurance on all their employees as required by law.

WITNESS THE HANDS AND THE SEALS of the parties hereto, the day and year above first written.

S/ Ethel M. Garrett	S/ Bert B. Garrett
S/ Chester A. Garrett	S/ Hazel M. Garrett
S/ Flossie M. Garrett	S/ Nellie E. Garrett Bales
S/ Warren E. Garrett	S/ Marcus L. Bales
S/ Charlie W. Garrett	S/ Howard D. Garrett
S/ Addie M. Garrett	S/ Loree Garrett
S/ Lee Roy Garrett	S/ Ollie R. Garrett
S/ Veneta L. Garrett	S/ Garnetta Garrett

Parties of the First Part.

ATTEST:

S/ Lottie E. Harris, Secretary
(SEAL)

BECK MINING COMPANY

By S/ George W. Beck, III
President

Party of the Second Part.

State of Kansas)
)ss
County of Cherokee)

BE IT REMEMBERED, that on this Jan. 2nd, 1952 before me, the undersigned, a Notary Public, within and for said County and State, came Ethel M. Garrett, a widow; Warren E. Garrett, a single person; Chester A. Garrett and Flossie M. Garrett, his wife; Charlie W. Garrett and Addie M. Garrett, his wife; Hazel M. Garrett and Bert B. Garrett, her husband; Nellie E. Garrett Bales and Marcus L. Bales, her husband; and Howard D. Garrett and Loree Garrett, his wife; who are to me well known to be the identical persons who executed the above and foregoing instrument of writing, and such persons duly acknowledged the execution of the same.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year last above written.

S/ Wm. P. Meek
Notary Public.

My Commission expires: July 23, 1953
(SEAL)

State of California)
)ss
County of LosAngeles)

BE IT REMEMBERED, that on this 26th day of December, 1951, before me the undersigned, a Noatry Public, within and for the said County and State, came Lee Roy Garrett and Venetta L. Garrett, his wife, who are personally known to me to be the identical persons who executed the within and foregoing instrument of writing and such persons duly acknowledged the execution of the same.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year last above written.

S/ Joan J. Turner
Notary Public

My Commission Expires:
Nov. 15, 1953.
(SEAL)

State of Ohio)
)ss
County of Butler)

BE IT REMEMBERED, that on this 1st day of January, 1952, before me, the undersigned a Notary Public within and for the said County and State, came Ollie R. Garrett and Garnetta Garrett, his wife, who are personally known to me to be the same persons who executed the within and foregoing instrument of writing and such persons duly acknowledged the execution of the same.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year last above written.

S/ Lummie Bailey
Notary Public.

My Commission Expires:
March 30, 1953.
(SEAL)

State of Oklahoma)
)ss
County of Ottawa)

Before me, the undersigned, a Notary Public, within and for said County and State, on this 2nd day of January, 1952, personally appeared GEORGE W. BECK, III, to me known to be the identical person who subscribed the name of the Beck Mining Company, a Delaware corporation, to the within and foregoing instrument as its President and acknowledged to me that he executed the same as his free and voluntary act and deed and as the free and voluntary act and deed of such corporation for the uses and purposes therein set forth.

WITNESS my hand and official seal the day and year last above written.

S/ Fern Allgood
Notary Public.

My Commission Expires:
Sept. 30, 1953.
(SEAL)

COPY

MINING LEASE

THIS LEASE, made and entered into this 14th day of March, 1951, by and between ALVA D. CHUBB and LENA CHUBB, his wife; and W. E. STOSKOPF and LULA STOSKOPF, his wife of Baxter Springs, Kansas, hereinafter designated as Lessor, and J. W. HOFFMAN, of Joplin, Missouri, hereinafter designated as Lessee.

WITNESSETH: That the Lessor, in consideration of the sum of One Dollar ($1.00) paid by Lessee, the receipt of which is hereby acknowledged, and of the covenants and agreements hereinafter contained to be kept and performed by Lessee, does hereby lease unto Lessee, for the mining of lead and zinc concentrates, and other valuable mineral substances therefrom, for the term of TEN YEARS from the date hereof, the following described land, for the purposes hereof considered as one tract, situated in Cherokee County, State of Kansas, to-wit:

> The East 1/2 of the Northeast 1/4 and Southwest 1/4 of Northeast 1/4 and East 20 acres of Northwest 1/4 of the Northeast 1/4 of Section 35, Township 34 South, Range 23 East, and the South 1/2 of the Northwest 1/4 of Section 36, Township 34 South, Range 23 East,

with the right to construct and maintain thereon all necessary or convenient buildings, structures, railroad tracks and roads, and to have and maintain in and upon said land, all necessary or convenient machinery, appliances, equipment and improvements, and to rebuild and replace the same from time to time and to remove the same at any time during or within six months time after the termination of the lease.

1. Lessee shall have the right to prospect said land by drilling, and in which event Lessee shall furnish Lessors, on or before the 10th day of each calendar month, true and correct copy of the log records of all holes drilled during the preceding month, together with duplicate assayers certificate covering any cuttings taken therefrom and assayed by Lessee. Lessee shall pay all reasonable damages to growing crops upon said land caused by the prospect drilling operations of the Lessee.

2. All ores or minerals mined or raised on said land may be

milled, cleaned and prepared for market thereon, or at the option of Lessee herein, Lessee shall have the right to remove ores and minerals mined from this land, and mill same over mill of modern design, mill to be approved by Lessors. If said concentrating plant shall be equipped with automatic weighing and sampling devices, then such ores shall be weighed, assayed, treated, handled and concentrates determined, sold and accounted for in the manner which is now or may hereafter be established as standard method and practice thereat. If said central plant shall not be equipped with automatic weighing and sampling devices, then the ores mined from the lands covered hereby shall not be commingled with ores from other lands, before or during milling, nor shall any concentrates recovered therefrom be commingled with the concentrates recovered from ores from other lands, and said concentrates shall be sold and accounted for separately from any other concentrates. All milling and preparation of the recovered concentrates from the ores mined hereunder shall be in conformity with the standard practice of the Tri-State District. Such milling operations shall be so carried on that the total tailing or milling refuse loss in lead and zinc mineral content shall not exceed one per cent (1) total combined lead and zinc sulphide assay. Lessee shall make such periodic test of the mineral contents and other mining refuse as necessary to determine the mineral content loss in milling, which record shall be open to inspection of Lessors or their agent at all reasonable times, and Lessors or their agent shall have the right to go upon said premises and make such additional tests as desired of the mineral content of chats and other mining refuse. The Lessee shall use reasonable care to support the ground and to prevent the same from caving, by the leaving of pillars in underground operations or by supporting the ground with timbers where deemed necessary; and, when necessary, shall have and maintain upon said land, sufficient pumps and machinery to properly drain the land and to treat and prepare for market the ores mined therefrom.

In further consideration of this lease, the said Lessee agrees to pay to Lessors, the following royalties, to-wit:

Ten per cent (10%) of the gross proceeds from the

sale of all lead and zinc concentrates produced and sold.

Two cents (2¢) per ton for each and every ton of chats and tailings produced from mill operations off the land of all lead and zinc ores and minerals mined thereon and removed for milling; the tonnage of said chats and tailings to be determined by taking the total tonnage of lead and zinc ores removed from said land for milling, and subtracting therefrom a total tonnage of lead and zinc concentrates produced and sold from the milling operations thereof.

Settlement to be made on or before the 10th day of each month for the chats and tailings produced from the lead and zinc ores and minerals removed for milling during the preceding calendar month. Each settlement shall be accompanied by full, correct, and complete statement showing the total tonnage of lead and zinc ores removed; settlements therefor to be made to Lessors at

BAXTER STATE BANK, BAXTER SPRINGS, KANSAS.

If the ores and minerals removed from this land for milling are commingled with ores and minerals from other land before milling, as hereinabove provided, the concentrates recovered therefrom shall be determined, sold and accounted for in the manner at that time in practice thereat, provided, however, that settlements and accounts shall be made to Lessors on or before the 10th day of the month for the preceding calendar month period. If ores and minerals mined from this land are milled in an independent operation, separate and apart from ores and minerals from other lands, Lessee shall have the right to sell the concentrates recovered therefrom at the best price obtainable, and all checks, cash, draft or other credits for such concentrates so sold shall be made payable to the order of Lessors or their agent at BAXTER STATE BANK, or such other bank as Lessors may authorize and direct by proper instruments, and after collection made on said credits, shall pay over to Lessee, after deducting therefrom the royalty hereinabove reserved to be paid to Lessors.

4. Lessee shall commence the actual work as contemplated herein on or before 90 days from the date hereof, and such work shall be carried on continuously in good faith. Delays caused by accidents, strikes, or other conditions beyond the control of Lessees excepted. Permission is also granted the Lessee to suspend all operations on

the land, if, when and while the price quoted in the Joplin Globe, Joplin, Missouri, per ton on coarse zinc concentrates is below $_____ per ton. Which shut down privilege shall not extend for over one year without written permission of Lessors, Lessee shall have the right to prospect said land by drilling, and in which event Lessee shall furnish Lessors, on orbefore the 10th day of each calendar month, true and correct copy of the log records of all holes drilled during the preceding month, together with duplicate assayers certificate covering any cuttings taken therefrom and assayed by Lessee. Lessee shall pay all reasonable damages to growing crops upon said land caused by the prospect drilling operations of the Lessee.

5. Lessors herein, or agent, shall have the right at all times to inspect any and all mines, shafts, drifts or workings in and on said land, and may use the machinery of Lessee herein at all reasonable times for that purpose.

6. All prospecting and mining operations shall be carried on in a minerlike and workmanlike manner, as the same are usually conducted in said locality.

7. The Lessors or their agent shall have the right at all reasonable times to inspect and examine the property, milling or mining operations, milling equipment, and methods used to recover and prepare for market concentrates from the ores mined, raised, or removed from the lands covered by this lease.

8. Lessee shall keep a correct record of all minerals mined, the rock tonnage, the kind and weights thereof, to whom sold, and the price received therefor, which books and accounts shall be open to the Lessors at all reasonable times, or Lessee agrees to furnish Lessors any such information on written demand.

9. The Lessee shall have the right at any time to redeem for Lessor, and to protect the rights of the Lessee hereunder by payment of any mortgages, taxes or other liens on the above described premises superior to or in conflict with the rights of the Lessee, in the event of the default of payment by the Lessor, and in such case, the Lessee shall be subrogated to the rights of the holders of any such liens or encumbrances to recover the amount thereof from the Lessor, together with interest at the rate of six per centum

(6%) per annum upon all amounts so expended; and shall have a lien upon said land to secure the repayment thereof.

10. No wording or sentence in this lease shall be construed to permit Lessee or others to move on, erect or build habitations or dwelling houses on said lands or conduct other business on said land other than proper and necessary for efficiently carrying on the operations herein contemplated. Lessee shall have the right to use so much of the surface of the land as may be necessary to carry on mining as herein contemplated; all other surface rights are reserved to Lessors.

11. Lessee shall have the right at any time during the term hereof, upon the payment of all rentals or royalties due to said date, to surrender possession of said premises and deliver to Lessors proper instruments duly executed evidencing the surrender and cancellation of this lease, in such force that same may be placed of record, and shall thereupon be relieved of all further obligations and liabilities hereunder.

12. In event Lessee, his successors or assigns, shall fail to fulfill or comply with any of the terms or conditions of this lease, Lessors may give written notice of the violation complained of, and if such violation or default is not removed, remedied, or rectified within 30 days from deliver of said notice, this lease shall thereby become forfeited and terminated at the election of Lessors without contest by Lessee, and the Lessors may thereupon at once demand possession of said land without notice to quit, demand of possession, or legal proceedings whatever. Such notice may be given by mailing same to Lessee at Mayflower Apartments, Joplin, Missouri, or such other address as Lessee may give Lessors.

13. This lease shall not be assigned nor shall any sublease be made hereunder without the written consent of the Lessors, and the making of any such sale, assignment or sublease shall render this lease void with notice.

14. Either Lessor or Lessee shall have the right at any time to change any agent or agency herein created and name new or different agent. Notice of such change or new designation of agent

or agency shall be in writing; upon Lessee by registered mail, addressed to Lessee at the Mayflower Apartments, Joplin, Missouri, and upon Lessor by registered mail addressed to Lessor at _____

_____.

15. The covenants, agreements and conditions herein contained insofar as applicable, shall extend to the parties, their successors, heirs and assigns.

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

S/ Alva D. Chubb

S/ Lena Chubb

S/ W. E. Stoskopf

S/ Lula Stoskopf

LESSORS

S/ J. W. Hoffman

LESSEE

STATE OF MISSOURI)
) ss
County of Jasper)

On this ____ day of _____, 19 _____, before me, a Notary Public in and for said County, personally appeared J. W. Hoffman, to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal at my office in Jasper County, and said State, the day and year first above written.

My term expires: _____

_____
Notary Public.

State of Kansas)
)ss
County of Cherokee)

On this 15th day of March, 1951, before me, a Notary Public in and for said County, personally appeared Alva D. Chubb and Lena Chubb and W. E. Stoskopf and Lula Stoskopf to me known to be the persons described in and who executed the same as their free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal at my office in Baxter Springs, Kansas, the day and year first above written.

My Commission Expires: April 17, 1951.

(SEAL)

S/ George Stoskopf
Notary Public.

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

OFFICIAL BUSINESS

U. S. GEOLOGICAL SURVEY
S. 157 Howard St.
Spokane 8, Wash.

PAYMENT OF POSTAGE, $300
(PMGC)

SPOKANE
MAR 27
7 PM
1952
WASH.

1

Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of Interior
Washington 25, D. C.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. DMEA-2460
Metal or Mineral
Date Received 3-31-52
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 31 1952

BECK MINING COMPANY
Box 408
Miami, Oklahoma
and
MacArthur Mining Company
Box 356
Baxter Springs, Kansas

Name and address of applicant

Date March 25, 1952

If you have already filed MF-100, give date filed ....., type of assistance requested .....,

DMA Docket Number (if available) .....

INSTRUCTIONS

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

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

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

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

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

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

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

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

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

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

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

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

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

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

BECK MINING COMPANY
and
MacARTHUR MINING COMPANY
(Name of company)

By George W. Beck Jr.
President

By
(Signature of authorized official)
President

March 25, 1952
(Date)

President
(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—64067-2

Attached to Form MF-103

Applicants:

Beck Mining Company	Box 408	Miami, Oklahoma
MacArthur Mining Company	Box 356	Baxter Springs, Kansas.

Re: Garrett Lease

1. (a) Garrett-Stoskopf property. Garrett Mine.
   (b) Copy of Lease Attached.
   (c) Section 36, Township 34 South, Range 23 E. Cherokee County, Kansas.

2. (a) Zinc Sulphide and Lead Sulphide.
   (b) The geologic features of the Garrett property are briefly described by Clinton C. Knox in U. S. Bureau of Mines, Report of Investigations R.I.4415, March 1949, Investigations of Zinc-Lead Deposits on Extensions of the Miami Trough, Ottawa County, Oklahoma and Cherokee County, Kansas.

John W. Hoffman applied for a DMA loan on this property during May 1951, docket DMA-408. Review and examination of drilling data and reserves tonnage was carried out by DMA field team and report submitted to Washington by Perry K. Hurlbut. Review of that report will show that Mr. Hurlbut considered certain prospect drill holes in the mineral reserve area to be unreliable. Those unreliable holes are indicated on the accompanying map by symbol. It is our purpose to check-drill the area effected.

Additional engineering reports covering drill hole averages and reserves estimates prepared by both private and RFC engineers are on file in the Washington RFC office, Lavrion Mining Co. LBE-Min 3, RFC Docket ND-6151.

3. (a) We propose to drill at least 10 holes to a minimum depth of 450 feet. Total cost not to exceed $12,000.00.
   (b) Start immediately on approval of government participation. Approximately four months required for completion using two drilling rigs.

4. Maps are submitted.

5. None required for drilling operations.

6. None required for drilling operations.

7. None required for drilling operations.

8. Labor supplied by drilling contractor.
9. Not Applicable to drilling operation.
10. (a) $6000.00 if required.
    (b) Yes.
11. None.

COPY

MINING LEASE

THIS LEASE, made and entered into this 14th day of March, 1951, by and between ALVA D. CHUBB and LENA CHUBB, his wife; and W. E. STOSKOPF and LULA STOSKOPF, his wife of Baxter Springs, Kansas, hereinafter designated as Lessor, and J. W. HOFFMAN, of Joplin, Missouri, hereinafter designated as Lessee.

WITNESSETH: That the Lessor, in consideration of the sum of One Dollar ($1.00) paid by Lessee, the receipt of which is hereby acknowledged, and of the covenants and agreements hereinafter contained to be kept and performed by Lessee, does hereby lease unto Lessee, for the mining of lead and zinc concentrates, and other valuable mineral substances therefrom, for the term of TEN YEARS from the date hereof, the following described land, for the purposes hereof considered as one tract, situated in Cherokee County, State of Kansas, to-wit:

> The East 1/2 of the Northeast 1/4 and Southwest 1/4 of Northeast 1/4 and East 20 acres of Northwest 1/4 of the Northeast 1/4 of Section 35, Township 34 South, Range 23 East, and the South 1/2 of the Northwest 1/4 of Section 36, Township 34 South, Range 23 East,

with the right to construct and maintain thereon all necessary or convenient buildings, structures, railroad tracks and roads, and to have and maintain in and upon said land, all necessary or convenient machinery, appliances, equipment and improvements, and to rebuild and replace the same from time to time and to remove the same at any time during or within six months time after the termination of the lease.

1. Lessee shall have the right to prospect said land by drilling, and in which event Lessee shall furnish Lessors, on or before the 10th day of each calendar month, true and correct copy of the log records of all holes drilled during the preceding month, together with duplicate assayers certificate covering any cuttings taken therefrom and assayed by Lessee. Lessee shall pay all reasonable damages to growing crops upon said land caused by the prospect drilling operations of the Lessee.

2. All ores or minerals mined or raised on said land may be

milled, cleaned and prepared for market thereon, or at the option of Lessee herein, Lessee shall have the right to remove ores and minerals mined from this land, and mill same over mill of modern design, mill to be approved by Lessors. If said concentrating plant shall be equipped with automatic weighing and sampling devices, then such ores shall be weighed, assayed, treated, handled and concentrates determined, sold and accounted for in the manner which is now or may hereafter be established as standard method and practice thereat. If said central plant shall not be equipped with automatic weighing and sampling devices, then the ores mined from the lands covered hereby shall not be commingled with ores from other lands, before or during milling, nor shall any concentrates recovered therefrom be commingled with the concentrates recovered from ores from other lands, and said concentrates shall be sold and accounted for separately from any other concentrates. All milling and preparation of the recovered concentrates from the ores mined hereunder shall be in conformity with the standard practice of the Tri-State District. Such milling operations shall be so carried on that the total tailing or milling refuse loss in lead and zinc mineral content shall not exceed one per cent (1) total combined lead and zinc sulphide assay. Lessee shall make such periodic test of the mineral contents and other mining refuse as necessary to determine the mineral content loss in milling, which record shall be open to inspection of Lessors or their agent at all reasonable times, and Lessors or their agent shall have the right to go upon said premises and make such additional tests as desired of the mineral content of chats and other mining refuse. The Lessee shall use reasonable care to support the ground and to prevent the same from caving, by the leaving of pillars in underground operations or by supporting the ground with timbers where deemed necessary; and, when necessary, shall have and maintain upon said land, sufficient pumps and machinery to properly drain the land and to treat and prepare for market the ores mined therefrom.

In further consideration of this lease, the said Lessee agrees to pay to Lessors, the following royalties, to-wit:

Ten per cent (10%) of the gross proceeds from the

sale of all lead and zinc concentrates produced and sold.

Two cents (2¢) per ton for each and every ton of chats and tailings produced from mill operations off the land of all lead and zinc ores and minerals mined thereon and removed for milling; the tonnage of said chats and tailings to be determined by taking the total tonnage of lead and zinc ores removed from said land for milling, and subtracting therefrom a total tonnage of lead and zinc concentrates produced and sold from the milling operations thereof.

Settlement to be made on or before the 10th day of each month for the chats and tailings produced from the lead and zinc ores and minerals removed for milling during the preceding calendar month. Each settlement shall be accompanied by full, correct, and complete statement showing the total tonnage of lead and zinc ores removed; settlements therefor to be made to Lessors at

BAXTER STATE BANK, BAXTER SPRINGS, KANSAS.

If the ores and minerals removed from this land for milling are commingled with ores and minerals from other land before milling, as hereinabove provided, the concentrates recovered therefrom shall be determined, sold and accounted for in the manner at that time in practice thereat, provided, however, that settlements and accounts shall be made to Lessors on or before the 10th day of the month for the preceding calendar month period. If ores and minerals mined from this land are milled in an independent operation, separate and apart from ores and minerals from other lands, Lessee shall have the right to sell the concentrates recovered therefrom at the best price obtainable, and all checks, cash, draft or other credits for such concentrates so sold shall be made payable to the order of Lessors or their agent at BAXTER STATE BANK, or such other bank as Lessors may authorize and direct by proper instruments, and after collection made on said credits, shall pay over to Lessee, after deducting therefrom the royalty hereinabove reserved to be paid to Lessors.

4. Lessee shall commence the actual work as contemplated herein on or before 90 days from the date hereof, and such work shall be carried on continuously in good faith. Delays caused by accidents, strikes, or other conditions beyond the control of Lessees excepted. Permission is also granted the Lessee to suspend all operations on

the land, if, when and while the price quoted in the Joplin Globe, Joplin, Missouri, per ton on coarse zinc concentrates is below $_____ per ton. Which shut down privilege shall not extend for over one year without written permission of Lessors, Lessee shall have the right to prospect said land by drilling, and in which event Lessee shall furnish Lessors, on orbefore the 10th day of each calendar month, true and correct copy of the log records of all holes drilled during the preceding month, together with duplicate assayers certificate covering any cuttings taken therefrom and assayed by Lessee. Lessee shall pay all reasonable damages to growing crops upon said land caused by the prospect drilling operations of the Lessee.

5. Lessors herein, or agent, shall have the right at all times to inspect any and all mines, shafts, drifts or workings in and on said land, and may use the machinery of Lessee herein at all reasonable times for that purpose.

6. All prospecting and mining operations shall be carried on in a minerlike and workmanlike manner, as the same are usually conducted in said locality.

7. The Lessors or their agent shall have the right at all reasonable times to inspect and examine the property, milling or mining operations, milling equipment, and methods used to recover and prepare for market concentrates from the ores mined, raised, or removed from the lands covered by this lease.

8. Lessee shall keep a correct record of all minerals mined, the rock tonnage, the kind and weights thereof, to whom sold, and the price received therefor, which books and accounts shall be open to the Lessors at all reasonable times, or Lessee agrees to furnish Lessors any such information on written demand.

9. The Lessee shall have the right at any time to redeem for Lessor, and to protect the rights of the Lessee hereunder by payment of any mortgages, taxes or other liens on the above described premises superior to or in conflict with the rights of the Lessee, in the event of the default of payment by the Lessor, and in such case, the Lessee shall be subrogated to the rights of the holders of any such liens or encumbrances to recover the amount thereof from the Lessor, together with interest at the rate of six per centum

(6%) per annum upon all amounts so expended; and shall have a lien upon said land to secure the repayment thereof.

10. No wording or sentence in this lease shall be construed to permit Lessee or others to move on, erect or build habitations or dwelling houses on said lands or conduct other business on said land other than proper and necessary for efficiently carrying on the operations herein contemplated. Lessee shall have the right to use so much of the surface of the land as may be necessary to carry on mining as herein contemplated; all other surface rights are reserved to Lessors.

11. Lessee shall have the right at any time during the term hereof, upon the payment of all rentals or royalties due to said date, to surrender possession of said premises and deliver to Lessors proper instruments duly executed evidencing the surrender and cancellation of this lease, in such force that same may be placed of record, and shall thereupon be relieved of all further obligations and liabilities hereunder.

12. In event Lessee, his successors or assigns, shall fail to fulfill or comply with any of the terms or conditions of this lease, Lessors may give written notice of the violation complained of, and if such violation or default is not removed, remedied, or rectified within 30 days from deliver of said notice, this lease shall thereby become forfeited and terminated at the election of Lessors without contest by Lessee, and the Lessors may thereupon at once demand possession of said land without notice to quit, demand of possession, or legal proceedings whatever. Such notice may be given by mailing same to Lessee at Mayflower Apartments, Joplin, Missouri, or such other address as Lessee may give Lessors.

13. This lease shall not be assigned nor shall any sublease be made hereunder without the written consent of the Lessors, and the making of any such sale, assignment or sublease shall render this lease void with notice.

14. Either Lessor or Lessee shall have the right at any time to change any agent or agency herein created and name new or different agent. Notice of such change or new designation of agent

or agency shall be in writing; upon Lessee by registered mail, addressed to Lessee at the Mayflower Apartments, Joplin, Missouri, and upon Lessor by registered mail addressed to Lessor at _____

_____.

15. The covenants, agreements and conditions herein contained insofar as applicable, shall extend to the parties, their successors, heirs and assigns.

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

S/ Alva D. Chubb

S/ Lena Chubb

S/ W. E. Stoskopf

S/ Lula Stoskopf

LESSORS

S/ J. W. Hoffman

LESSEE

STATE OF MISSOURI)
) ss
County of Jasper)

On this ____ day of _____, 19 _____, before me, a Notary Public in and for said County, personally appeared J. W. Hoffman, to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal at my office in Jasper County, and said State, the day and year first above written.

My term expires: _____

_____
Notary Public.

State of Kansas)
)ss
County of Cherokee)

On this 15th day of March, 1951, before me, a Notary Public in and for said County, personally appeared Alva D. Chubb and Lena Chubb and W. E. Stoskopf and Lula Stoskopf to me known to be the persons described in and who executed the same as their free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal at my office in Baxter Springs, Kansas, the day and year first above written.

My Commission Expires: April 17, 1951.

(SEAL)

S/ George Stoskopf
Notary Public.

COPY

MINING LEASE

THIS AGREEMENT, made and entered into this 2nd day of January, 1952, by and between ETHEL M. GARRETT, a widow; CHESTER A. GARRETT and FLOSSIE M. GARRETT, his wife; WARREN T. GARRETT, a single person; CHARLIE W. GARRETT and ADDIE M. GARRETT, his wife; LEE ROY GARRETT and VENETA L. GARRETT, his wife; BERT B. GARRETT And HAZEL M. GARRETT, his wife; NELLIE E. GARRETT BALES and MARCUS L. BALES, her husband; HOWARD D. GARRETT and LORRE GARRETT, his wife; and OLLIE R. GARRETT and GARNETTA GARRETT, his wife, as parties of the first part, and BECK MINING COMPANY, a Delaware corporation, party of the second part; Witnesseth:

Said parties of the first part in consideration of the sum of $1.00, to them in hand paid, the receipt and sufficiency of which is hereby acknowledged, and the covenants and agreements to be kept and performed and the royalties to be paid, all as hereinafter set forth, have and by these presents do demise, lease and let unto said party of the second part, its successors and assigns, for the purpose of prospecting for and mining lead and zinc ores and all other valuable minerals and metals, the following described real estate, to-wit:

The North Half (N½) of the Northeast Quarter (NE¼)
and the North Half (N½) of the Northwest Quarter (NW¼),
All in Section Thirty-six (36), and
the North Half (N½) of the Southeast Quarter (SE¼) of
Section Twenty-six (26),
All in Township Thirty-four (34) South, Range Twenty-three (23) East, Cherokee County, State of Kansas,

for a term of ten (10) years from and after February 1, 1952, together with the option, if this is in force and effect on the expiration date, of a renewal for a like period of time thereafter, all upon the following terms and conditions, to-wit:

1. Party of the second part agrees to enter upon said lands and commence pumping or mining operations, under the terms hereof, and mining or exploration shall be carried on in good faith continuously and shall not be suspended at any time, except as provided in paragraph 2 below, to exceed thirty (30) days at any one time without the written permission of the parties of the first part; provided, that mining operations

may be suspended during any periods while the market price for zinc concentrates is below second party's cost of production, or the cost of production of second party's sub-lessees, assignees or successors.

2. At such times as the price of lead and zinc concentrates is above the second party's estimate of the cost of producing such concentrates from the land herein leased, second party or second party's sub-lessees, assignees or successors, may, in lieu of mining or explorations operations, pay the sum of $100.00 per calendar month to first parties collectively. Such payments shall be deemed advance royalties and second party may deduct the total of such advances from royalty payments upon the commencement or resumption of mining or exploration operations.

On or before February 2, 1952, second party shall pay to first parties collectively the sum of $1000.00 advance royalty which second party may deduct from royalty payments as provided above in this paragraph. In the event second party prefers, it may, in lieu of the $1,000.00 payment, realease or reassign this lease to first parties. Second party's option of paying $1,000.00 advance royalty or releasing this lease by February 2, 1952 shall be extended until such time the record of title of lands herein leased properly shows, to the satisfaction of second party's attorney, the release or termination of all prior leases. Second party's attorney shall have reasonable time within which to examine the title to lands herein leased.

3. Second party shall furnish parties of the first part a complete log of each and every hole drilled on said lands leased hereby, and at reasonable times (but not oftener than twice in any one year) a blue print showing definite location of each hole and where cuttings from drill holes are assayed, a copy of the assay.

4. The ores and minerals mined from this land may be cleaned and prepared for market at a concentrating plant acceptable to party of the Second part on other lands within the

Tri-State area and in connection with other ores; and if cleaned at such concentrating plant, shall be weighed, treated, handled and net recoverable lead and zinc concentrates determined, accounted for and disposed of, in accordance with the method and practice in effect at said concentrating plant at the time of receipt at the mill. Complete and permanent records shall be made and kept of the entire transaction, which shall be open to inspection and audit of parties of the first part, or their agents, at all reasonable times; and party of the second part, or its agent, may likewise be present and observe said operation at all reasonable and seasonable times.

5. Party of the second part shall, on or before the 10th day of each calendar month, pay to parties of the first part, as rent or royalty, eight percent (8%) of the market value of the recoverable lead and zinc concentrates contained in the ores mined and milled and sold on the premises, or taken therefrom for milling, during the preceeding calendar month, with a statement showing the amount, quantity, kind and weight, and the value thereof. Concentrates is hereby defined to mean the saleable zinc and/or lead mineral as recoverable at the mill or concentrating plant where treated, including in addition to lead or zinc any other and all metals or elements contained in such concentrates whether or not such metals or elements are by presently known or by future discovered methods of recovery may be valuable. Market value for the purposes hereof is defined to be the value of concentrates resulting from ores mined from lands herein leased, and shall be based upon the market price established in the Tri-State district for concentrates of a similiar gade and kind and prevailing at the time said concentrates are disposed of. Settlements of all sales of ores and concentrates sold shall be in the form of checks by the buyer, payable and delivered to the Baxter State Bank, Baxter Springs, Kansas, hereby designated as first parties' agent to receive such settlements, and such bank upon receipt thereof and collection duly made upon said checks, pay to first parties eight percent (8%) thereof and pay to second party the remaining ninety-two percent (92%) thereof.

In addition, second party shall pay first parties at the rate of two cents (2¢) per dry ton of tailings and chats produced at second party's mill and deposited on second party's land. Second party shall then have title to all such tailings and chats.

In the event first parties are dissatisfied with market price used in making royalty settlements, first parties shall have and hereby agree to take eight percent (8%) of said concentrates in lieu of said royalty, at the mill bins each week; and first parties agree to give written notice to second party at once in the event of not being satisfied with said ore prices.

Second party shall pay to first parties, or their tenants, all damages to growing crops, fences, fields, etc, caused by operations during the prospecting period.

6. Party of the second part, its successors, sub-lessees, or assigns, shall mine said land in a good workmanlike way and manner, shall keep all shafts and drifts well and securely cribbed, timbered, and supported and shall not remove said cribbing, timbers, or supports, so as to endanger the ground or permit the same to cave or fall in; provided, that party of the second part shall not be liable for roofs falling, cave-ins or falling-ins due to the lack of workmanshiplike manner of its predecessors. Pillars shall be left in said mine when and wherever necessary to prevent the roof from falling or the said mine from caving or falling in, and shall not be removed except upon the written permission of the first parties, or their agents. Party of the second part shall have the right to occupy and use so much of said lands as in its judgment may be necessary for the purposes of conducting operations hereunder, including the right to erect all necessary buildings, machinery and equipment for mining, dressing, crushing and cleaning ores, the building of ponds for the storage or settling of water pumped or used in connection with said operation, and to build and construct trams, roads, and railroads over and across this land for the purpose of carrying out the terms hereof, and may come upon said land and remove such equipment within a reasonable time after the expiration or termination hereof.

7. This lease is executed with the understanding that parties of the first part warrant title and possession hereunder, and that first parties, if called upon to do so, will defend the second party's right of possession of lands herein leased. First parties specifically agree that all presently outstanding leases have been forfeited and terminated by first parties and that first parties shall, prior to February 2, 1952, obtain any necessary releases or take whatever action may be necessary to clear the records and properly show the termination of prior leases.

8. In the case of failure of party of second part to keep and perform the terms of this lease, parties of the first part may give sixty (60) days written notice mailed to the Beck Mining Company, Box 408, Miami, Oklahoma, of the violation complained of, and if such violation or default is not removed or corrected in said period, this lease shall thereupon terminate at the option of the first parties, which shall be evidenced in writing.

9. Party of the second part, may at any time, if it desires to do so, and is hereby given the right to, pay the sum of $1.00 together with all rents or royalties then due, and surrender and terminate this lease by giving five (5) days written notice thereof to ETHEL M. GARRETT or WARREN E. GARRETT, Baxter Springs, Kansas, and executing and tendering to first parties a written release together with a valid reassignment to first parties of rights assigned in the preceeding paragraphs; or, if unable to tender a release to first parties, shall place an executed release of record and pay the filing or recording fee and mail to first parties at Baxter Springs, Kansas, properly executed valid reassignment of the rights assigned in the preceeding paragraphs hereof, and in either event second party shall thereupon be relieved from all further obligations hereunder with like effect as if this lease had not been made.

10. This lease shall run to and be binding upon each of the parties hereto, their heirs, legatees, legal representatives, successors, sub-lessees or assigns.

11. It is further agreed between the parties that every shaft located on the premises herein leased and used by second party for the purpose of hoisting ore shall be, at the expiration of this lease, and at the cost and expense of second party, covered in a workmanlike manner.

12. Cessations or delays in operations hereunder, when occasioned by fire, riot or civil commotion, strikes or other labor controversies, operation of law or interference of government agencies, acts of nature or other causes beyond the control of second party and which second party could not have been deemed reasonable to have foreseen, shall be excused during the continuance of such cause, without working termination or forfeiture of this lease.

13. First parties, or first parties' agent, shall have the right at all reasonable times to inspect any and all mines, shafts, drifts, or workings in and upon said land and may use the machinery of the second party for that purpose.

14. First parties hereby designate, name and appoint ETHEL M. GARRETT and WARREN E. GARRETT, CHARLIE W. GARRETT and CHESTER A. GARRETT as their agents for all purposes of this lease, including the power to serve notice of termination under paragraph 8 herein, with power and authority for them to modify and change said lease except as to royalty or term. In the event of death or resignation of any of the agents herein named, the powers granted may be exercised by the surviving agents.

15. All uses of the lands herein leased not required by second party, its sub-lessees, assignees or successors, or inconsistent with the operations contemplated by the parties to this lease is specifically reserved to first parties.

16. Second party agrees to comply with all the laws of the State of Kansas, pertaining to the mining of lead and zinc ores, and carry proper workmen's compensation insurance on all their employees as required by law.

WITNESS THE HANDS AND THE SEALS of the parties hereto, the day and year above first written.

S/ Ethel M. Garrett	S/ Bert B. Garrett
S/ Chester A. Garrett	S/ Hazel M. Garrett
S/ Flossie M. Garrett	S/ Nellie E. Garrett Bales
S/ Warren E. Garrett	S/ Marcus L. Bales
S/ Charlie W. Garrett	S/ Howard D. Garrett
S/ Addie M. Garrett	S/ Loree Garrett
S/ Lee Roy Garrett	S/ Ollie R. Garrett
S/ Veneta L. Garrett	S/ Garnetta Garrett

Parties of the First Part.

ATTEST:

S/ Lottie E. Harris, Secretary
(SEAL)

BECK MINING COMPANY

By S/ George W. Beck, III
President

Party of the Second Part.

State of Kansas)
)ss
County of Cherokee)

BE IT REMEMBERED, that on this Jan. 2nd, 1952 before me, the undersigned, a Notary Public, within and for said County and State, came Ethel M. Garrett, a widow; Warren E. Garrett, a single person; Chester A. Garrett and Flossie M. Garrett, his wife; Charlie W. Garrett and Addie M. Garrett, his wife; Hazel M. Garrett and Bert B. Garrett, her husband; Nellie E. Garrett Bales and Marcus L. Bales, her husband; and Howard D. Garrett and Loree Garrett, his wife; who are to me well known to be the identical persons who executed the above and foregoing instrument of writing, and such persons duly acknowledged the execution of the same.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year last above written.

S/ Wm. P. Meek
Notary Public.

My Commission expires: July 23, 1953
(SEAL)

State of California)
)ss
County of LosAngeles)

BE IT REMEMBERED, that on this 26th day of December, 1951, before me the undersigned, a Noatry Public, within and for the said County and State, came Lee Roy Garrett and Venetta L. Garrett, his wife, who are personally known to me to be the identical persons who executed the within and foregoing instrument of writing and such persons duly acknowledged the execution of the same.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year last above written.

S/ Joan J. Turner
Notary Public

My Commission Expires:
Nov. 15, 1953.
(SEAL)

State of Ohio)
)ss
County of Butler)

BE IT REMEMBERED, that on this 1st day of January, 1952, before me, the undersigned a Notary Public within and for the said County and State, came Ollie R. Garrett and Garnetta Garrett, his wife, who are personally known to me to be the same persons who executed the within and foregoing instrument of writing and such persons duly acknowledged the execution of the same.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year last above written.

S/ Lummie Bailey
Notary Public.

My Commission Expires:
March 30, 1953.
(SEAL)

State of Oklahoma)
)ss
County of Ottawa)

Before me, the undersigned, a Notary Public, within and for said County and State, on this 2nd day of January, 1952, personally appeared GEORGE W. BECK, III, to me known to be the identical person who subscribed the name of the Beck Mining Company, a Delaware corporation, to the within and foregoing instrument as its President and acknowledged to me that he executed the same as his free and voluntary act and deed and as the free and voluntary act and deed of such corporation for the uses and purposes therein set forth.

WITNESS my hand and official seal the day and year last above written.

S/ Fern Allgood
Notary Public.

My Commission Expires:
Sept. 30, 1953.
(SEAL)

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2460

Date received 3-31-52

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 31 1952

BECK MINING COMPANY
Box 408
Miami, Oklahoma
and
MacARTHUR MINING COMPANY
Box 356
Baxter Springs, Kansas

Name and address of applicant

Date March 25, 1952

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

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

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

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

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

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

Attached to Form MF-100
Applicants:

Beck Mining Company	Box 408	Miami, Oklahoma
MacArthur Mining Company	Box 356	Baxter Springs, Kansas

Re: Garrett Lease

1. (a) Lead & Zinc
   (b) Cadmium in small amounts.

2. Garrett Mine
   (a) 437 foot vertical shaft 5' x 9'.
   (b) 80 feet.
   (c) None.
   (d) None - This is new ground which has not previously been mined.

The mine is presently flooded. Dewatering this mine will involve lowering the water table from 246 feet where it presently stands. On the basis of previous experience it seems reasonable to assume the pumping operation would require six months. The following determinations were made by Calhoun and by Kepner from drill log assays in order to arrive at average values for the two blocks:

	South Block		
	60% Blende	80% Galena	Rock Tons in Block
Calhoun	.62	3.76	136,333
Kepner	.46	4.23	145,692
Average	.54	4.00	141,012
	North Block		
Calhoun	5.35	.46	173,492
Kepner	5.65	.58	174,080
Average	5.50	.52	173,786

Total Rock Tons in North and South Block 314,798

3. (a) 4 Miles North of Picher, Oklahoma.
   (b) Tri-State District (Oklahoma, Kansas, Missouri).
   (c) Township 34 South, Section 36, Range 23 East.
   (d) Cherokee County, Kansas.

4. (a) The property is not now in operation.
   (b) Lessee.

5. This property has never been in production. Production would be commenced approximately three (3) months after completion of dewatering.

Attached to Form MF-100

Applicants:

Beck Mining Company	Box 408	Miami, Oklahoma
MacArthur Mining Co.	Box 356	Baxter Springs, Kansas

Re: Garrett Lease

6. (a) & (b) The MacArthur Mining Company has operated in the Tri-State field for 10 years. Mr. John Hoffman, President, has 36 years experience in the Tri-State field.

The Beck Mining Company began operations in the Tri-State field as the Beck Royalty Company in approximately 1920. Mr. C. E. Stover, Mining Engineer and General Superintendent of the Beck Mining Company, has had 29 years experience in the Tri-State mining.

7. (a) The Garrett mine was originally drilled by J. H.Green and the owners of the Commerce Mining & Royalty Company which acquired the lease from Green and completed the original drilling.

The Eagle-Picher Mining & Smelting Co. acquired the lease in 1938 and sunk the shaft to 442' and drifted out 70' toward the ore body. It appears that Eagle-Picher abandoned the property because of unfavorably high royalty under the first lease and because of the acquisition of the Commerce Mining & Royalty Co. reserves in late 1938.

In 1946 Clarence Zuvekas did some additional drilling. The Bureau of Mines has drilled the property.

Mr. Zuvekas obtained a loan from the R.F.C. in the amount of $166,000. Zuvekas, however, failed to reach the productive stage because the amount of money available was not sufficient.

(b) The MacArthur Mine, located one mile South and 1½ miles east, has been mined from 375 ft. in depth in the Grand Falls Chert horizon down to 420 ft. in depth which includes about 20 ft. of the Reeds Spring horizon, a formation encountered in the Garrett drilling. The actual production of this mine to the present date has more than tripled the ore reserves estimated before the initial mine development in 1942.

According to Mr. W. L. Kepner, the general area in and around the Garrett property and extending west for 3 miles to the Roper property presents now more potential production possibilities than any other known area in the Picher District. The C. K. & E. Mining Company operating in Section 34, 1¼ miles southwest of the Garrett, are extending their workings slightly to the west of north and practically midway between the Garrett and the Roper, 3 miles west of the Garrett.

Attached to Form MF-100

Applicants:

Beck Mining Company	Box 408	Miami, Oklahoma
MacArthur Mining Co.	Box 356	Baxter Springs, Kansas

Re: Garrett Lease

The C. K. & E. operation is an extension of a fracture line extending northwest from the main Picher field. In 1950 recovery ran 8.8% blende.

In its present state of development the Garrett will continue to be classified as one of the few potential mineralized areas, in the Tri-State District, considered as containing substantial tonnages of lead and zinc ores.

(c) Available private reports are enclosed.

8. Beck Mining Company -

Name	Title	Shares in Applicant
George W. Beck, III	President (D)	172
George W. Beck, III, In Trust		73
Lottie E. Harris and Lottie E. Harris Guardian for Walter Beck, Jr., J.B.Beck,II & Nancy Beck,Minors	Sec.Treas.(D)	250
Mr. Claude B. Harris	(D)	
Mrs. Geo. W. Beck, III	(D)	5

MacArthur Mining Company -

John W. Hoffman	President (D)	37½
J. W. Hoffman, Jr.	Treasurer (D)	45
Mrs. John W. Hoffman		60
Inghram D. Hook		99
Mary R. Hook		30

9.

	Authorized	Out-Standing	Par Value	No.of Shs. Outstanding	Dividend Rate Last Paid
Beck Mining Co.	500	500	None	500	$200./share
MacArthur Mining Co.	300	300	$100.00	300	

10. Not Applicable - Property not in Production.

11. Not Applicable - Property not in Production.

12. Ref.- U.S.Bureau of Mines R.I. 4415 March 1949 Page 8 Investigation of Zinc-Lead deposits on extensions of the Miami trough, Ottawa County, Oklahoma, and Cherokee County, Kansas by Clinton C. Knox. DMA files. R.F.C. Docket ND 6151.

13. Good Roads - No Problem.

14. Abundant water - No Problem.

Attached to Form MF-100
Applicants:

Beck Mining Company	Box 408	Miami, Oklahoma
MacArthur Mining Co.	Box 356	Baxter Springs, Kansas

Re: Garrett Lease

15. Drilling operations will not require electric power. Pumping operations will require $50,000. electric power which would be supplied by the Empire District Electric Co. of Joplin, Missouri.

16. Not Applicable - Property not in production (approximately 35 men will be employed when the mine is in production).

17. 437 ft. - 5' x 9' vertical shaft
    1 - 16 x 16 x 40' Derrick without hopper
    1 - 1200 C.F. Chicago Pheunamatic Compressor with 200 HP Westinghouse slipring motor
    1 - 125 HP Freeman Red Giant Electric Hoist with 125 HP Westinghouse slipring motor
    3 - 10" Byran Jackson Submersible Pumps,
    1 - 3-Room Frame Office Building
    1 - Compressor and Shop Building 30 x 50'
    Electric Sub-Station
    Miscellaneous Equipment

18. DMA and RFC Engineers have made a complete report on the property.
    See DMA Docket No. 408 prepared by Mr. Perry K. Hurlbut also see RFC Docket No. ND6151.

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

BECK MINING COMPANY
~~MacARTHUR MINING COMPANY~~
(Name of company)

By George R. Beck Jr
President
(Signature of authorized official)

By President

March 25, 1952
(Date)

President
(Title)

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

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

DMEA-2460

MAR 3 1952

March 25, 1952

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

Re: Beck Mining Co., Box 408, Miami, Oklahoma
MacArthur Mining Co., Box 356, Baxter Springs, Kansas.

Garrett Lease.

Gentlemen:

The purpose of this application is to obtain Government aid in financing an "Exploration Project" under the provisions of the Defense Production Act of 1950. This project to consist of drilling ten prospect holes to a minimum depth of 450 feet at a cost not to exceed $12,000.00. The principal reason for the project is to check already existing drilling.

Several competent private and government engineers have considered the Garrett ore-body already proven as evidenced in Government department docket files RFC ND-6151 and DMA-408. However, it will be noted that the DMA engineer who examined and reported on docket DMA-408 considered the lead-ore holes drilled in the South ore-body by one John Green in 1924 to be unreliable. We propose to check-drill this doubtful area. The drilling to be carried on by an independent drilling contractor under our supervision and paid for on an agreed footage basis.

We call attention to the attached copy of the Garrett Mining Lease from which it will be noted that there are sixteen co-owners. These people reside in points from Ohio to California. To explain and obtain signatures on Owner's Consent to Lien Agreements in this case would be excessively burdensome. In lieu of this procedure, we propose that the exploration project contract shall provide for a lien upon the operator's interest in the land, precedent for which has been set by DMEA in other contracts.

Sincerely yours,

BECK MINING COMPANY

George W. Beck III

George W. Beck, III, President.

MacARTHUR MINING COMPANY

John U. Hoffman, President.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. DMEA-2460
Metal or Mineral
Date Received 3-31-52
Amount $
Participation (Government %)

Defense Minerals Administration
RECEIVED
MAR 31 1952

BECK MINING COMPANY
Box 408
Miami, Oklahoma
and
MacArthur Mining Company
Box 356
Baxter Springs, Kansas

Name and address of applicant

Date March 25, 1952

If you have already filed MF-100, give date filed ....., type of assistance requested .....,

DMA Docket Number (if available) .....

INSTRUCTIONS

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

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

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

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

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

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

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

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

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

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

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

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

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

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

BECK MINING COMPANY
and
MacARTHUR MINING COMPANY
(Name of company)

By George W. Beck Jr.
President

By
(Signature of authorized offi President

March 25, 1952
(Date)

President
(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—64067-2

Attached to Form MF-103

Applicants:

Beck Mining Company	Box 408	Miami, Oklahoma
MacArthur Mining Company	Box 356	Baxter Springs, Kansas.

Re: Garrett Lease

1. (a) Garrett-Stoskopf property. Garrett Mine.
   (b) Copy of Lease Attached.
   (c) Section 36, Township 34 South, Range 23 E. Cherokee County, Kansas.

2. (a) Zinc Sulphide and Lead Sulphide.
   (b) The geologic features of the Garrett property are briefly described by Clinton C. Knox in U. S. Bureau of Mines, Report of Investigations R.I.4415, March 1949, Investigations of Zinc-Lead Deposits on Extensions of the Miami Trough, Ottawa County, Oklahoma and Cherokee County, Kansas.

John W. Hoffman applied for a DMA loan on this property during May 1951, docket DMA-408. Review and examination of drilling data and reserves tonnage was carried out by DMA field team and report submitted to Washington by Perry K. Hurlbut. Review of that report will show that Mr. Hurlbut considered certain prospect drill holes in the mineral reserve area to be unreliable. Those unreliable holes are indicated on the accompanying map by symbol. It is our purpose to check-drill the area effected.

Additional engineering reports covering drill hole averages and reserves estimates prepared by both private and RFC engineers are on file in the Washington RFC office, Lavrion Mining Co. LBE-Min 3, RFC Docket ND-6151.

3. (a) We propose to drill at least 10 holes to a minimum depth of 450 feet. Total cost not to exceed $12,000.00.
   (b) Start immediately on approval of government participation. Approximately four months required for completion using two drilling rigs.

4. Maps are submitted.

5. None required for drilling operations.

6. None required for drilling operations.

7. None required for drilling operations.

8. Labor supplied by drilling contractor.
9. Not Applicable to drilling operation.
10. (a) $6000.00 if required.
    (b) Yes.
11. None.

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2460

Date received 3-31-52

Department of the Interior
Defense Minerals Administration
RECEIVED
MAR 31 1952

BECK MINING COMPANY
Box 408
Miami, Oklahoma
and
MacARTHUR MINING COMPANY
Box 356
Baxter Springs, Kansas

Name and address of applicant

Date March 25, 1952

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

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

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

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

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

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

Attached to Form MF-100

Applicants:

Beck Mining Company	Box 408	Miami, Oklahoma
MacArthur Mining Company	Box 356	Baxter Springs, Kansas

Re: Garrett Lease

1. (a) Lead & Zinc
   (b) Cadmium in small amounts.

2. Garrett Mine
   (a) 437 foot vertical shaft 5' x 9'.
   (b) 80 feet.
   (c) None.
   (d) None - This is new ground which has not previously been mined.

The mine is presently flooded. Dewatering this mine will involve lowering the water table from 246 feet where it presently stands. On the basis of previous experience it seems reasonable to assume the pumping operation would require six months. The following determinations were made by Calhoun and by Kepner from drill log assays in order to arrive at average values for the two blocks:

	South Block		
	60% Blende	80% Galena	Rock Tons in Block
Calhoun	.62	3.76	136,333
Kepner	.46	4.23	145,692
Average	.54	4.00	141,012
	North Block		
Calhoun	5.35	.46	173,492
Kepner	5.65	.58	174,080
Average	5.50	.52	173,786

Total Rock Tons in North and South Block 314,798

3. (a) 4 Miles North of Picher, Oklahoma.
   (b) Tri-State District (Oklahoma, Kansas, Missouri).
   (c) Township 34 South, Section 36, Range 23 East.
   (d) Cherokee County, Kansas.

4. (a) The property is not now in operation.
   (b) Lessee.

5. This property has never been in production. Production would be commenced approximately three (3) months after completion of dewatering.

Attached to Form MF-100

Applicants:

Beck Mining Company	Box 408	Miami, Oklahoma
MacArthur Mining Co.	Box 356	Baxter Springs, Kansas

Re: Garrett Lease

6. (a) & (b) The MacArthur Mining Company has operated in the Tri-State field for 10 years. Mr. John Hoffman, President, has 36 years experience in the Tri-State field.

The Beck Mining Company began operations in the Tri-State field as the Beck Royalty Company in approximately 1920. Mr. C. E. Stover, Mining Engineer and General Superintendent of the Beck Mining Company, has had 29 years experience in the Tri-State mining.

7. (a) The Garrett mine was originally drilled by J. H.Green and the owners of the Commerce Mining & Royalty Company which acquired the lease from Green and completed the original drilling.

The Eagle-Picher Mining & Smelting Co. acquired the lease in 1938 and sunk the shaft to 442' and drifted out 70' toward the ore body. It appears that Eagle-Picher abandoned the property because of unfavorably high royalty under the first lease and because of the acquisition of the Commerce Mining & Royalty Co. reserves in late 1938.

In 1946 Clarence Zuvekas did some additional drilling. The Bureau of Mines has drilled the property.

Mr. Zuvekas obtained a loan from the R.F.C. in the amount of $166,000. Zuvekas, however, failed to reach the productive stage because the amount of money available was not sufficient.

(b) The MacArthur Mine, located one mile South and 1½ miles east, has been mined from 375 ft. in depth in the Grand Falls Chert horizon down to 420 ft. in depth which includes about 20 ft. of the Reeds Spring horizon, a formation encountered in the Garrett drilling. The actual production of this mine to the present date has more than tripled the ore reserves estimated before the initial mine development in 1942.

According to Mr. W. L. Kepner, the general area in and around the Garrett property and extending west for 3 miles to the Roper property presents now more potential production possibilities than any other known area in the Picher District. The C. K. & E. Mining Company operating in Section 34, 1¼ miles southwest of the Garrett, are extending their workings slightly to the west of north and practically midway between the Garrett and the Roper, 3 miles west of the Garrett.

Attached to Form MF-100

Applicants:

Beck Mining Company	Box 408	Miami, Oklahoma
MacArthur Mining Co.	Box 356	Baxter Springs, Kansas

Re: Garrett Lease

The C. K. & E. operation is an extension of a fracture line extending northwest from the main Picher field. In 1950 recovery ran 8.8% blende.

In its present state of development the Garrett will continue to be classified as one of the few potential mineralized areas, in the Tri-State District, considered as containing substantial tonnages of lead and zinc ores.

(c) Available private reports are enclosed.

8. Beck Mining Company -

Name	Title	Shares in Applicant
George W. Beck, III	President (D)	172
George W. Beck, III, In Trust		73
Lottie E. Harris and Lottie E. Harris Guardian for Walter Beck, Jr., J.B.Beck,II & Nancy Beck,Minors	Sec.Treas.(D)	250
Mr. Claude B. Harris	(D)	
Mrs. Geo. W. Beck, III	(D)	5

MacArthur Mining Company -

John W. Hoffman	President (D)	37½
J. W. Hoffman, Jr.	Treasurer (D)	45
Mrs. John W. Hoffman		60
Inghram D. Hook		99
Mary R. Hook		30

9.

	Authorized	Out-Standing	Par Value	No.of Shs. Outstanding	Dividend Rate Last Paid
Beck Mining Co.	500	500	None	500	$200./share
MacArthur Mining Co.	300	300	$100.00	300	

10. Not Applicable - Property not in Production.

11. Not Applicable - Property not in Production.

12. Ref.- U.S.Bureau of Mines R.I. 4415 March 1949 Page 8 Investigation of Zinc-Lead deposits on extensions of the Miami trough, Ottawa County, Oklahoma, and Cherokee County, Kansas by Clinton C. Knox. DMA files. R.F.C. Docket ND 6151.

13. Good Roads - No Problem.

14. Abundant water - No Problem.

Attached to Form MF-100
Applicants:

Beck Mining Company	Box 408	Miami, Oklahoma
MacArthur Mining Co.	Box 356	Baxter Springs, Kansas

Re: Garrett Lease

15. Drilling operations will not require electric power. Pumping operations will require $50,000. electric power which would be supplied by the Empire District Electric Co. of Joplin, Missouri.

16. Not Applicable - Property not in production (approximately 35 men will be employed when the mine is in production).

17. 437 ft. - 5' x 9' vertical shaft
    1 - 16 x 16 x 40' Derrick without hopper
    1 - 1200 C.F. Chicago Pheunamatic Compressor with 200 HP Westinghouse slipring motor
    1 - 125 HP Freeman Red Giant Electric Hoist with 125 HP Westinghouse slipring motor
    3 - 10" Byran Jackson Submersible Pumps,
    1 - 3-Room Frame Office Building
    1 - Compressor and Shop Building 30 x 50'
    Electric Sub-Station
    Miscellaneous Equipment

18. DMA and RFC Engineers have made a complete report on the property.
    See DMA Docket No. 408 prepared by Mr. Perry K. Hurlbut also see RFC Docket No. ND6151.

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

BECK MINING COMPANY
MacARTHUR MINING COMPANY
(Name of company)

By George W. Beck Jr
President
By
(Signature of authorized official)
President

March 25, 1952
(Date)

President
(Title)

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

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

COPY

MINING LEASE

THIS AGREEMENT, made and entered into this 2nd day of January, 1952, by and between ETHEL M. GARRETT, a widow; CHESTER A. GARRETT and FLOSSIE M. GARRETT, his wife; WARREN T. GARRETT, a single person; CHARLIE W. GARRETT and ADDIE M. GARRETT, his wife; LEE ROY GARRETT and VENETA L. GARRETT, his wife; BERT B. GARRETT And HAZEL M. GARRETT, his wife; NELLIE E. GARRETT BALES and MARCUS L. BALES, her husband; HOWARD D. GARRETT and LORRE GARRETT, his wife; and OLLIE R. GARRETT and GARNETTA GARRETT, his wife, as parties of the first part, and BECK MINING COMPANY, a Delaware corporation, party of the second part; Witnesseth:

Said parties of the first part in consideration of the sum of $1.00, to them in hand paid, the receipt and sufficiency of which is hereby acknowledged, and the covenants and agreements to be kept and performed and the royalties to be paid, all as hereinafter set forth, have and by these presents do demise, lease and let unto said party of the second part, its successors and assigns, for the purpose of prospecting for and mining lead and zinc ores and all other valuable minerals and metals, the following described real estate, to-wit:

> The North Half (N½) of the Northeast Quarter (NE¼)
> and the North Half (N½) of the Northwest Quarter (NW¼),
> All in Section Thirty-six (36), and
> the North Half (N½) of the Southeast Quarter (SE¼) of
> Section Twenty-six (26),
> All in Township Thirty-four (34) South, Range Twenty-three (23) East, Cherokee County, State of Kansas,

for a term of ten (10) years from and after February 1, 1952, together with the option, if this is in force and effect on the expiration date, of a renewal for a like period of time thereafter, all upon the following terms and conditions, to-wit:

1. Party of the second part agrees to enter upon said lands and commence pumping or mining operations, under the terms hereof, and mining or exploration shall be carried on in good faith continuously and shall not be suspended at any time, except as provided in paragraph 2 below, to exceed thirty (30) days at any one time without the written permission of the parties of the first part; provided, that mining operations

may be suspended during any periods while the market price for zinc concentrates is below second party's cost of production, or the cost of production of second party's sub-lessees, assignees or successors.

2. At such times as the price of lead and zinc concentrates is above the second party's estimate of the cost of producing such concentrates from the land herein leased, second party or second party's sub-lessees, assignees or successors, may, in lieu of mining or explorations operations, pay the sum of $100.00 per calendar month to first parties collectively. Such payments shall be deemed advance royalties and second party may deduct the total of such advances from royalty payments upon the commencement or resumption of mining or exploration operations.

On or before February 2, 1952, second party shall pay to first parties collectively the sum of $1000.00 advance royalty which second party may deduct from royalty payments as provided above in this paragraph. In the event second party prefers, it may, in lieu of the $1,000.00 payment, realease or reassign this lease to first parties. Second party's option of paying $1,000.00 advance royalty or releasing this lease by February 2, 1952 shall be extended until such time the record of title of lands herein leased properly shows, to the satisfaction of second party's attorney, the release or termination of all prior leases. Second party's attorney shall have reasonable time within which to examine the title to lands herein leased.

3. Second party shall furnish parties of the first part a complete log of each and every hole drilled on said lands leased hereby, and at reasonable times (but not oftener than twice in any one year) a blue print showing definite location of each hole and where cuttings from drill holes are assayed, a copy of the assay.

4. The ores and minerals mined from this land may be cleaned and prepared for market at a concentrating plant acceptable to party of the Second part on other lands within the

Tri-State area and in connection with other ores; and if cleaned at such concentrating plant, shall be weighed, treated, handled and net recoverable lead and zinc concentrates determined, accounted for and disposed of, in accordance with the method and practice in effect at said concentrating plant at the time of receipt at the mill. Complete and permanent records shall be made and kept of the entire transaction, which shall be open to inspection and audit of parties of the first part, or their agents, at all reasonable times; and party of the second part, or its agent, may likewise be present and observe said operation at all reasonable and seasonable times.

5. Party of the second part shall, on or before the 10th day of each calendar month, pay to parties of the first part, as rent or royalty, eight percent (8%) of the market value of the recoverable lead and zinc concentrates contained in the ores mined and milled and sold on the premises, or taken therefrom for milling, during the preceeding calendar month, with a statement showing the amount, quantity, kind and weight, and the value thereof. Concentrates is hereby defined to mean the saleable zinc and/or lead mineral as recoverable at the mill or concentrating plant where treated, including in addition to lead or zinc any other and all metals or elements contained in such concentrates whether or not such metals or elements are by presently known or by future discovered methods of recovery may be valuable. Market value for the purposes hereof is defined to be the value of concentrates resulting from ores mined from lands herein leased, and shall be based upon the market price established in the Tri-State district for concentrates of a similiar grade and kind and prevailing at the time said concentrates are disposed of. Settlements of all sales of ores and concentrates sold shall be in the form of checks by the buyer, payable and delivered to the Baxter State Bank, Baxter Springs, Kansas, hereby designated as first parties' agent to receive such settlements, and such bank upon receipt thereof and collection duly made upon said checks, pay to first parties eight percent (8%) thereof and pay to second party the remaining ninety-two percent (92%) thereof.

In addition, second party shall pay first parties at the rate of two cents (2¢) per dry ton of tailings and chats produced at second party's mill and deposited on second party's land. Second party shall then have title to all such tailings and chats.

In the event first parties are dissatisfied with market price used in making royalty settlements, first parties shall have and hereby agree to take eight percent (8%) of said concentrates in lieu of said royalty, at the mill bins each week; and first parties agree to give written notice to second party at once in the event of not being satisfied with said ore prices.

Second party shall pay to first parties, or their tenants, all damages to growing crops, fences, fields, etc. caused by operations during the prospecting period.

6. Party of the second part, its successors, sub-lessees, or assigns, shall mine said land in a good workmanlike way and manner, shall keep all shafts and drifts well and securely cribbed, timbered, and supported and shall not remove said cribbing, timbers, or supports, so as to endanger the ground or permit the same to cave or fall in; provided, that party of the second part shall not be liable for roofs falling, cave-ins or falling-ins due to the lack of workmanshiplike manner of its predecessors. Pillars shall be left in said mine when and wherever necessary to prevent the roof from falling or the said mine from caving or falling in, and shall not be removed except upon the written permission of the first parties, or their agents. Party of the second part shall have the right to occupy and use so much of said lands as in its judgment may be necessary for the purposes of conducting operations hereunder, including the right to erect all necessary buildings, machinery and equipment for mining, dressing, crushing and cleaning ores, the building of ponds for the storage or settling of water pumped or used in connection with said operation, and to build and construct trams, roads, and railroads over and across this land for the purpose of carrying out the terms hereof, and may come upon said land and remove such equipment within a reasonable time after the expiration or termination hereof.

7. This lease is executed with the understanding that parties of the first part warrant title and possession hereunder, and that first parties, if called upon to do so, will defend the second party's right of possession of lands herein leased. First parties specifically agree that all presently outstanding leases have been forfeited and terminated by first parties and that first parties shall, prior to February 2, 1952, obtain any necessary releases or take whatever action may be necessary to clear the records and properly show the termination of prior leases.

8. In the case of failure of party of second part to keep and perform the terms of this lease, parties of the first part may give sixty (60) days written notice mailed to the Beck Mining Company, Box 408, Miami, Oklahoma, of the violation complained of, and if such violation or default is not removed or corrected in said period, this lease shall thereupon terminate at the option of the first parties, which shall be evidenced in writing.

9. Party of the second part, may at any time, if it desires to do so, and is hereby given the right to, pay the sum of $1.00 together with all rents or royalties then due, and surrender and terminate this lease by giving five (5) days written notice thereof to ETHEL M. GARRETT or WARREN E. GARRETT, Baxter Springs, Kansas, and executing and tendering to first parties a written release together with a valid reassignment to first parties of rights assigned in the preceeding paragraphs; or, if unable to tender a release to first parties, shall place an executed release of record and pay the filing or recording fee and mail to first parties at Baxter Springs, Kansas, properly executed valid reassignment of the rights assigned in the preceeding paragraphs hereof, and in either event second party shall thereupon be relieved from all further obligations hereunder with like effect as if this lease had not been made.

10. This lease shall run to and be binding upon each of the parties hereto, their heirs, legatees, legal representatives, successors, sub-lessees or assigns.

11. It is further agreed between the parties that every shaft located on the premises herein leased and used by second party for the purpose of hoisting ore shall be, at the expiration of this lease, and at the cost and expense of second party, covered in a workmanlike manner.

12. Cessations or delays in operations hereunder, when occasioned by fire, riot or civil commotion, strikes or other labor controversies, operation of law or interference of government agencies, acts of nature or other causes beyond the control of second party and which second party could not have been deemed reasonable to have foreseen, shall be excused during the continuance of such cause, without working termination or forfeiture of this lease.

13. First parties, or first parties' agent, shall have the right at all reasonable times to inspect any and all mines, shafts, drifts, or workings in and upon said land and may use the machinery of the second party for that purpose.

14. First parties hereby designate, name and appoint ETHEL M. GARRETT and WARREN E. GARRETT, CHARLIE W. GARRETT and CHESTER A. GARRETT as their agents for all purposes of this lease, including the power to serve notice of termination under paragraph 8 herein, with power and authority for them to modify and change said lease except as to royalty or term. In the event of death or resignation of any of the agents herein named, the powers granted may be exercised by the surviving agents.

15. All uses of the lands herein leased not required by second party, its sub-lessees, assignees or successors, or inconsistent with the operations contemplated by the parties to this lease is specifically reserved to first parties.

16. Second party agrees to comply with all the laws of the State of Kansas, pertaining to the mining of lead and zinc ores, and carry proper workmen's compensation insurance on all their employees as required by law.

WITNESS THE HANDS AND THE SEALS of the parties hereto, the day and year above first written.

S/ Ethel M. Garrett	S/ Bert B. Garrett
S/ Chester A. Garrett	S/ Hazel M. Garrett
S/ Flossie M. Garrett	S/ Nellie E. Garrett Bales
S/ Warren E. Garrett	S/ Marcus L. Bales
S/ Charlie W. Garrett	S/ Howard D. Garrett
S/ Addie M. Garrett	S/ Loree Garrett
S/ Lee Roy Garrett	S/ Ollie R. Garrett
S/ Veneta L. Garrett	S/ Garnetta Garrett

Parties of the First Part.

ATTEST:

S/ Lottie E. Harris, Secretary
(SEAL)

BECK MINING COMPANY

By S/ George W. Beck, III
President

Party of the Second Part.

State of Kansas)
)ss
County of Cherokee)

BE IT REMEMBERED, that on this Jan. 2nd, 1952 before me, the undersigned, a Notary Public, within and for said County and State, came Ethel M. Garrett, a widow; Warren E. Garrett, a single person; Chester A. Garrett and Flossie M. Garrett, his wife; Charlie W. Garrett and Addie M. Garrett, his wife; Hazel M. Garrett and Bert B. Garrett, her husband; Nellie E. Garrett Bales and Marcus L. Bales, her husband; and Howard D. Garrett and Loree Garrett, his wife; who are to me well known to be the identical persons who executed the above and foregoing instrument of writing, and such persons duly acknowledged the execution of the same.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year last above written.

S/ Wm. P. Meek
Notary Public.

My Commission expires: July 23, 1953
(SEAL)

State of California)
)ss
County of LosAngeles)

BE IT REMEMBERED, that on this 26th day of December, 1951, before me the undersigned, a Noatry Public, within and for the said County and State, came Lee Roy Garrett and Venetta L. Garrett, his wife, who are personally known to me to be the identical persons who executed the within and foregoing instrument of writing and such persons duly acknowledged the execution of the same.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year last above written.

S/ Joan J. Turner
Notary Public

My Commission Expires:
Nov. 15, 1953.
(SEAL)

State of Ohio)
)ss
County of Butler)

BE IT REMEMBERED, that on this 1st day of January, 1952, before me, the undersigned a Notary Public within and for the said County and State, came Ollie R. Garrett and Garnetta Garrett, his wife, who are personally known to me to be the same persons who executed the within and foregoing instrument of writing and such persons duly acknowledged the execution of the same.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year last above written.

S/ Lummie Bailey
Notary Public.

My Commission Expires:
March 30, 1953.
(SEAL)

State of Oklahoma)
)ss
County of Ottawa)

Before me, the undersigned, a Notary Public, within and for said County and State, on this 2nd day of January, 1952, personally appeared GEORGE W. BECK, III, to me known to be the identical person who subscribed the name of the Beck Mining Company, a Delaware corporation, to the within and foregoing instrument as its President and acknowledged to me that he executed the same as his free and voluntary act and deed and as the free and voluntary act and deed of such corporation for the uses and purposes therein set forth.

WITNESS my hand and official seal the day and year last above written.

S/ Fern Allgood
Notary Public.

My Commission Expires:
Sept. 30, 1953.
(SEAL)

COPY

MINING LEASE

THIS LEASE, made and entered into this 14th day of March, 1951, by and between ALVA D. CHUBB and LENA CHUBB, his wife; and W. E. STOSKOPF and LULA STOSKOPF, his wife of Baxter Springs, Kansas, hereinafter designated as Lessor, and J. W. HOFFMAN, of Joplin, Missouri, hereinafter designated as Lessee.

WITNESSETH: That the Lessor, in consideration of the sum of One Dollar ($1.00) paid by Lessee, the receipt of which is hereby acknowledged, and of the covenants and agreements hereinafter contained to be kept and performed by Lessee, does hereby lease unto Lessee, for the mining of lead and zinc concentrates, and other valuable mineral substances therefrom, for the term of TEN YEARS from the date hereof, the following described land, for the purposes hereof considered as one tract, situated in Cherokee County, State of Kansas, to-wit:

> The East 1/2 of the Northeast 1/4 and Southwest 1/4 of Northeast 1/4 and East 20 acres of Northwest 1/4 of the Northeast 1/4 of Section 35, Township 34 South, Range 23 East, and the South 1/2 of the Northwest 1/4 of Section 36, Township 34 South, Range 23 East,

with the right to construct and maintain thereon all necessary or convenient buildings, structures, railroad tracks and roads, and to have and maintain in and upon said land, all necessary or convenient machinery, appliances, equipment and improvements, and to rebuild and replace the same from time to time and to remove the same at any time during or within six months time after the termination of the lease.

1. Lessee shall have the right to prospect said land by drilling, and in which event Lessee shall furnish Lessors, on or before the 10th day of each calendar month, true and correct copy of the log records of all holes drilled during the preceding month, together with duplicate assayers certificate covering any cuttings taken therefrom and assayed by Lessee. Lessee shall pay all reasonable damages to growing crops upon said land caused by the prospect drilling operations of the Lessee.

2. All ores or minerals mined or raised on said land may be

milled, cleaned and prepared for market thereon, or at the option of Lessee herein, Lessee shall have the right to remove ores and minerals mined from this land, and mill same over mill of modern design, mill to be approved by Lessors. If said concentrating plant shall be equipped with automatic weighing and sampling devices, then such ores shall be weighed, assayed, treated, handled and concentrates determined, sold and accounted for in the manner which is now or may hereafter be established as standard method and practice thereat. If said central plant shall not be equipped with automatic weighing and sampling devices, then the ores mined from the lands covered hereby shall not be commingled with ores from other lands, before or during milling, nor shall any concentrates recovered therefrom be commingled with the concentrates recovered from ores from other lands, and said concentrates shall be sold and accounted for separately from any other concentrates. All milling and preparation of the recovered concentrates from the ores mined hereunder shall be in conformity with the standard practice of the Tri-State District. Such milling operations shall be so carried on that the total tailing or milling refuse loss in lead and zinc mineral content shall not exceed one per cent (1) total combined lead and zinc sulphide assay. Lessee shall make such periodic test of the mineral contents and other mining refuse as necessary to determine the mineral content loss in milling, which record shall be open to inspection of Lessors or their agent at all reasonable times, and Lessors or their agent shall have the right to go upon said premises and make such additional tests as desired of the mineral content of chats and other mining refuse. The Lessee shall use reasonable care to support the ground and to prevent the same from caving, by the leaving of pillars in underground operations or by supporting the ground with timbers where deemed necessary; and, when necessary, shall have and maintain upon said land, sufficient pumps and machinery to properly drain the land and to treat and prepare for market the ores mined therefrom.

In further consideration of this lease, the said Lessee agrees to pay to Lessors, the following royalties, to-wit:

Ten per cent (10%) of the gross proceeds from the

sale of all lead and zinc concentrates produced and sold.

Two cents (2¢) per ton for each and every ton of chats and tailings produced from mill operations off the land of all lead and zinc ores and minerals mined thereon and removed for milling; the tonnage of said chats and tailings to be determined by taking the total tonnage of lead and zinc ores removed from said land for milling, and subtracting therefrom a total tonnage of lead and zinc concentrates produced and sold from the milling operations thereof,

Settlement to be made on or before the 10th day of each month for the chats and tailings produced from the lead and zinc ores and minerals removed for milling during the preceding calendar month. Each settlement shall be accompanied by full, correct, and complete statement showing the total tonnage of lead and zinc ores removed; settlements therefor to be made to Lessors at

BAXTER STATE BANK, BAXTER SPRINGS, KANSAS.

If the ores and minerals removed from this land for milling are commingled with ores and minerals from other land before milling, as hereinabove provided, the concentrates recovered therefrom shall be determined, sold and accounted for in the manner at that time in practice thereat, provided, however, that settlements and accounts shall be made to Lessors on or before the 10th day of the month for the preceding calendar month period. If ores and minerals mined from this land are milled in an independent operation, separate and apart from ores and minerals from other lands, Lessee shall have the right to sell the concentrates recovered therefrom at the best price obtainable, and all checks, cash, draft or other credits for such concentrates so sold shall be made payable to the order of Lessors or their agent at BAXTER STATE BANK, or such other bank as Lessors may authorize and direct by proper instruments, and after collection made on said credits, shall pay over to Lessee, after deducting therefrom the royalty hereinabove reserved to be paid to Lessors.

4. Lessee shall commence the actual work as contemplated herein on or before 90 days from the date hereof, and such work shall be carried on continuously in good faith. Delays caused by accidents, strikes, or other conditions beyond the control of Lessees excepted. Permission is also granted the Lessee to suspend all operations on

the land, if, when and while the price quoted in the Joplin Globe, Joplin, Missouri, per ton on coarse zinc concentrates is below $_____ per ton. Which shut down privilege shall not extend for over one year without written permission of Lessors, Lessee shall have the right to prospect said land by drilling, and in which event Lessee shall furnish Lessors, on orbefore the 10th day of each calendar month, true and correct copy of the log records of all holes drilled during the preceding month, together with duplicate assayers certificate covering any cuttings taken therefrom and assayed by Lessee. Lessee shall pay all reasonable damages to growing crops upon said land caused by the prospect drilling operations of the Lessee.

5. Lessors herein, or agent, shall have the right at all times to inspect any and all mines, shafts, drifts or workings in and on said land, and may use the machinery of Lessee herein at all reasonable times for that purpose.

6. All prospecting and mining operations shall be carried on in a minerlike and workmanlike manner, as the same are usually conducted in said locality.

7. The Lessors or their agent shall have the right at all reasonable times to inspect and examine the property, milling or mining operations, milling equipment, and methods used to recover and prepare for market concentrates from the ores mined, raised, or removed from the lands covered by this lease.

8. Lessee shall keep a correct record of all minerals mined, the rock tonnage, the kind and weights thereof, to whom sold, and the price received therefor, which books and accounts shall be open to the Lessors at all reasonable times, or Lessee agrees to furnish Lessors any such information on written demand.

9. The Lessee shall have the right at any time to redeem for Lessor, and to protect the rights of the Lessee hereunder by payment of any mortgages, taxes or other liens on the above described premises superior to or in conflict with the rights of the Lessee, in the event of the default of payment by the Lessor, and in such case, the Lessee shall be subrogated to the rights of the holders of any such liens or encumbrances to recover the amount thereof from the Lessor, together with interest at the rate of six per centum

(6%) per annum upon all amounts so expended; and shall have a lien upon said land to secure the repayment thereof.

10. No wording or sentence in this lease shall be construed to permit Lessee or others to move on, erect or build habitations or dwelling houses on said lands or conduct other business on said land other than proper and necessary for efficiently carrying on the operations herein contemplated. Lessee shall have the right to use so much of the surface of the land as may be necessary to carry on mining as herein contemplated; all other surface rights are reserved to Lessors.

11. Lessee shall have the right at any time during the term hereof, upon the payment of all rentals or royalties due to said date, to surrender possession of said premises and deliver to Lessors proper instruments duly executed evidencing the surrender and cancellation of this lease, in such force that same may be placed of record, and shall thereupon be relieved of all further obligations and liabilities hereunder.

12. In event Lessee, his successors or assigns, shall fail to fulfill or comply with any of the terms or conditions of this lease, Lessors may give written notice of the violation complained of, and if such violation or default is not removed, remedied, or rectified within 30 days from deliver of said notice, this lease shall thereby become forfeited and terminated at the election of Lessors without contest by Lessee, and the Lessors may thereupon at once demand possession of said land without notice to quit, demand of possession, or legal proceedings whatever. Such notice may be given by mailing same to Lessee at Mayflower Apartments, Joplin, Missouri, or such other address as Lessee may give Lessors.

13. This lease shall not be assigned nor shall any sublease be made hereunder without the written consent of the Lessors, and the making of any such sale, assignment or sublease shall render this lease void with notice.

14. Either Lessor or Lessee shall have the right at any time to change any agent or agency herein created and name new or different agent. Notice of such change or new designation of agent

or agency shall be in writing; upon Lessee by registered mail, addressed to Lessee at the Mayflower Apartments, Joplin, Missouri, and upon Lessor by registered mail addressed to Lessor at _____

_____.

15. The covenants, agreements and conditions herein contained insofar as applicable, shall extend to the parties, their successors, heirs and assigns.

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

S/ Alva D. Chubb

S/ Lena Chubb

S/ W. E. Stoskopf

S/ Lula Stoskopf

LESSORS

S/ J. W. Hoffman

LESSEE

STATE OF MISSOURI)
) ss
County of Jasper)

On this ____ day of _____, 19 _____, before me, a Notary Public in and for said County, personally appeared J. W. Hoffman, to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal at my office in Jasper County, and said State, the day and year first above written.

My term expires: _____

_____
Notary Public.

State of Kansas)
)ss
County of Cherokee)

On this 15th day of March, 1951, before me, a Notary Public in and for said County, personally appeared Alva D. Chubb and Lena Chubb and W. E. Stoskopf and Lula Stoskopf to me known to be the persons described in and who executed the same as their free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal at my office in Baxter Springs, Kansas, the day and year first above written.

My Commission Expires: April 17, 1951.

(SEAL)

S/ George Stoskopf
Notary Public.

DMEA-2460

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
MAR 3 _ 1952

March 25, 1952

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

Re: Beck Mining Co., Box 408, Miami, Oklahoma
MacArthur Mining Co., Box 356, Baxter Springs, Kansas.

Garrett Lease.

Gentlemen:

The purpose of this application is to obtain Government aid in financing an "Exploration Project" under the provisions of the Defense Production Act of 1950. This project to consist of drilling ten prospect holes to a minimum depth of 450 feet at a cost not to exceed $12,000.00. The principal reason for the project is to check already existing drilling.

Several competent private and government engineers have considered the Garrett ore-body already proven as evidenced in Government department docket files RFC ND-6151 and DMA-408. However, it will be noted that the DMA engineer who examined and reported on docket DMA-408 considered the lead-ore holes drilled in the South ore-body by one John Green in 1924 to be unreliable. We propose to check-drill this doubtful area. The drilling to be carried on by an independent drilling contractor under our supervision and paid for on an agreed footage basis.

We call attention to the attached copy of the Garrett Mining Lease from which it will be noted that there are sixteen co-owners. These people reside in points from Ohio to California. To explain and obtain signatures on Owner's Consent to Lien Agreements in this case would be excessively burdensome. In lieu of this procedure, we propose that the exploration project contract shall provide for a lien upon the operator's interest in the land, precedent for which has been set by DMEA in other contracts.

Sincerely yours,

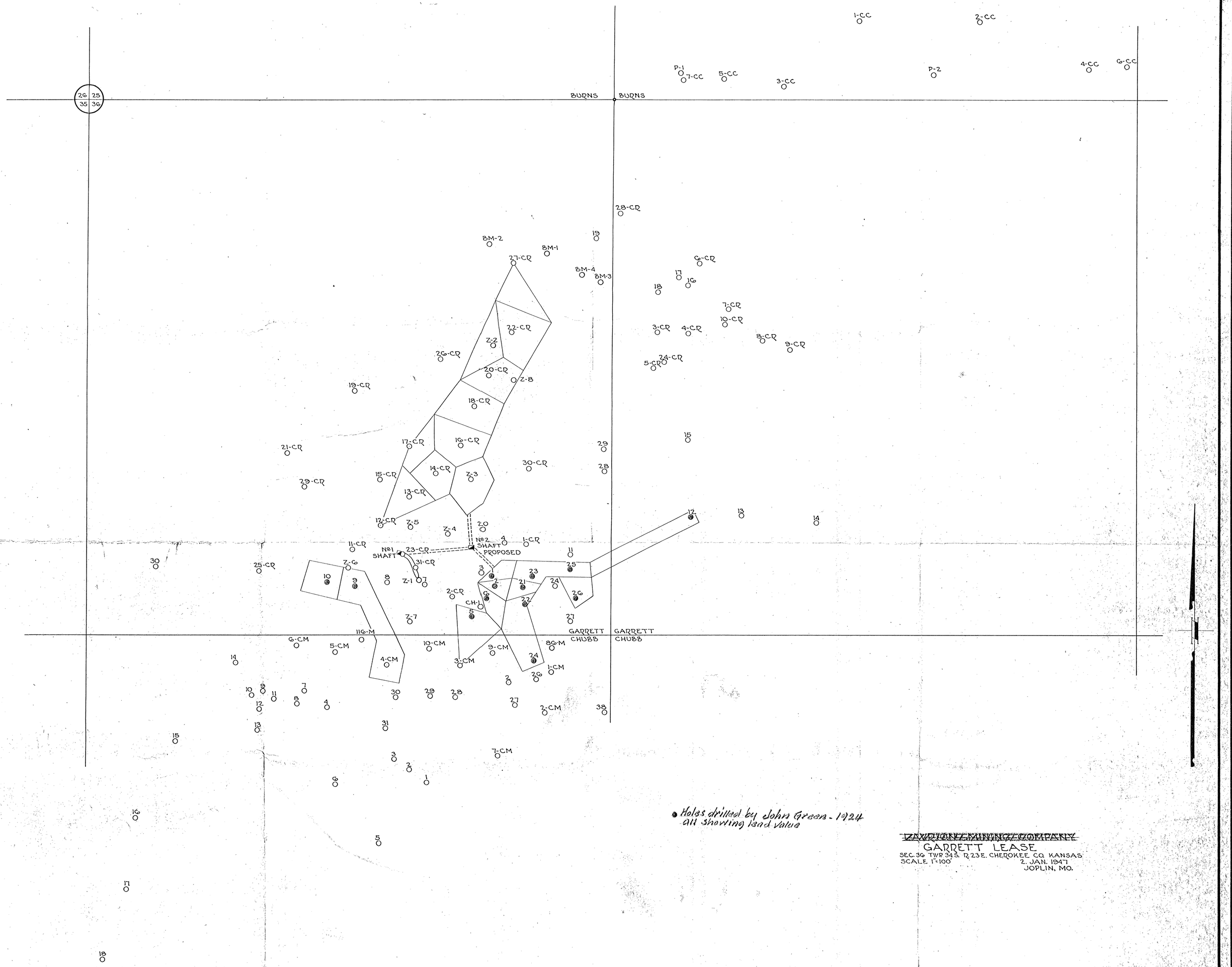
BECK MINING COMPANY

George W. Beck III

George W. Beck, III, President.

MacARTHUR MINING COMPANY

John W. Hoffman, President.



• Holes drilled by John Green - 1924
all showing lead value

~~ZAVRIONE MINING COMPANY~~

GARRETT LEASE

SEC. 36 T.1.R. 34 S. R. 23 E. CHEROKEE CO. KANSAS

SCALE 1" = 100'

2. JAN. 1947

JOPLIN, MO.

• Holes drilled by John Green - 1924
all showing lead value

~~LAYTON MINING COMPANY~~

GARRETT LEASE

SEC. 36 TWP 34 S. R 23 E. CHEROKEE CO. KANSAS
SCALE 1" = 100'
2. JAN. 1947
JOPLIN, MO.