DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA ~~DMA~~ Docket No. 2489

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, and USGS. Two copies retained in Region VI.**

To: Code 500, Rm. 2614 Date 4-21-52

To: Operating Com. Date 5-14-52

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

DO NOT DETACH

CONTROLLED DOCUMENT

400

FILE COPY
SURNAME:

Martin
Rutledge
Geddy
Hayes
J.R. Johnson

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

Mr. Thos. R. Howse
United Mineral Industries
Post Office Box 151
Glenwood, Arkansas

MAY 13 1953

Dear Mr. Howse:

Reference is made to your letter of April 22, 1953, giving your reasons for not filling out and returning the exploration application forms enclosed with our recent correspondence. We note that you have exposed manganese mineralization in a cut and that you plan to drive a tunnel several hundred feet below on the mountain in the expectation of encountering an extension of the same mineralization.

It is also noted that you and Mr. Weaver, of Caddo River Mining Company, Glenwood, Arkansas, whose claims in Pike County are an estimated three miles from your claims in Montgomery County, are working together toward development of your projects. Nevertheless, you have apparently been misinformed about the status of said Company's application, which has not been approved but, on the contrary, will require further review.

We are, however, asking Mr. W. P. Williams, Executive Officer of our Field Team at Joplin, Missouri, to schedule a field examination of Caddo River Mining Company's claims for our further information. We will, therefore, suggest to Mr. Williams that he discuss your program with you at the same time if you would find that arrangement convenient. Please appreciate that in any instance such as this, where we are without a completed application, we are handicapped in deciding whether a mineral occurrence warrants Government participation in an exploration project.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

WSMartin/ls
5/8/53
cc: Docket No. 3011
Mails & Files
Code 400
Field Team, Reg. VI
Adm. Read. File
Oper. Committee
N. B. Melcher, USBM
M. D. Grittenden, USGS

J. e. 5/13/53

Docket

Mr. Thos. R. Howse
United Mineral Industries
Post Office Box 151
Glenwood, Arkansas

MAY 1 3 1953

Dear Mr. Howse:

Reference is made to your letter of April 22, 1953, giving your reasons for not filling out and returning the exploration application forms enclosed with our recent correspondence. We note that you have exposed manganese mineralization in a cut and that you plan to drive a tunnel several hundred feet below on the mountain in the expectation of encountering an extension of the same mineralization.

It is also noted that you and Mr. Weaver, of Caddo River Mining Company, Glenwood, Arkansas, whose claims in Pike County are an estimated three miles from your claims in Montgomery County, are working together toward development of your projects. Nevertheless, you have apparently been misinformed about the status of said Company's application, which has not been approved but, on the contrary, will require further review.

We are, however, asking Mr. W. P. Williams, Executive Officer of our Field Team at Joplin, Missouri, to schedule a field examination of Caddo River Mining Company's claims for our further information. We will, therefore, suggest to Mr. Williams that he discuss your program with you at the same time if you would find that arrangement convenient. Please appreciate that in any instance such as this, where we are without a completed application, we are handicapped in deciding whether a mineral occurrence warrants Government participation in an exploration project.

Sincerely yours,

C. O. Mittendorf

J. C. 5/13/53

Administrator

WSMartin/ls
5/8/53
cc: Docket No. 3011
Mails & Files
Code 400
Field Team, Reg. VI
Adm. Read. File
Oper. Committee
N. B. Melcher, USBM
M. D. Crittenden, USGS

TELEPHONE ARIZONA 7-6901
CABLE CODE—HOWSECO

THOS. R. HOWSE CO.

Exporters - Importers

~~529 THAYER AVENUE • LOS ANGELES 24, CALIFORNIA~~

P.O.Box 151
Glenwood,Arkansas

April 22,1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 23 1953

Mr.C.O.Mittendorf,Administrator
Defense Minerals Exploration Administration
Department of the Interior
Washington 25,D.C.

Dear Mr.Mittendorf:

Receipt is acknowledged of your letter dated April 14, 1953,and we regret that our expression of indignation was construed to reflect on any member of your Field Team. In fact, we thought we were expressing our appreciation for being very frank, thus saving us and your office a lot of time and expense on a hopeless task. It never entered our thoughts that the Field Team's letter of March 13,was curt. We felt that our area was frowned upon at the start because of past geological reports,which are not applicable to our area,and from heresay reports of the tremendous period of time it took to get action on an application,we decided to give up in disgust before starting.

After receiving your letter we reconsidered the matter and if your good offices and Field Team will guide us and assist in preparing our application so that we may not be required to send men to Washington to explain something or produce data that should have been provided with our application,then we would desire making an application for exploration assistance. Frankly,we feel that if we began by completing your MF-103 forms without assistance it would be equivalent to a grade student taking an examination to enter West Point. Not that your application is tecnically unwarranted but our lack of knowledge in arriving at so many answers.

Hon. Oren Harris phoned to OSE about this company, 3rd week in April, 1953 USG

We have been informed that Caddo River Mining Company,Glenwood,Arkansas has been approved for exploration assistance and, if this is true, we should have very little difficulty in getting our application approved,since,our claims are a short distance from theirs and our geological,geophysical information appear more favorable than theirs. Their Mr.Weaver and the writer are working to-gether in the interest of developing our projects and although his company's claims are in Pike County whereas ours are in Montgomery,we estimate that they are about 3 miles apart.

Effective April 14,1953,this company assigned it's interests and recorded all mining claims to Thos.R.Howse,Trustee. A new Partnership has been formed known as United Mineral Industries with offices established at Glenwood,Arkansas. Certificate of Authorization No.DA 19,

has been reissued by General Services Administration, Dallas, Texas. This shall constitute notice and request to substitute the new company in all future correspondence.

United Mineral Industries, which is headed by the undersigned, is now in the process of clearing a small area, leading from an exposed manganese lead, several feet wide (75') to the base of the mountain. We are procuring the equipment, at our expense, to start tunneling at the base in expectation of meeting this lead several hundred feet below the cut above. When the lead is encountered we will begin extracting the ore, process it and ship. Without Government assistance we will have to resort to limited funds for exploratory work ahead whereas we could core drill and not have to depend on our leads to guide us. But, this manner is starting us into business and we have enough cuts to start on whereby we can operate if it becomes necessary. Since we are in no particular hurry for assistance perhaps it would be better to wait until we accomplished our aim and then your Field Representative could visit our site and get all the data necessary to effect an early approval or dis-approval. If you think we might accomplish anything sooner we shall welcome your suggestions.

We would like to extend a personal invitation to you and any member of your staff to pay us a visit, and if you care for fishing the Little Caddo River abounds our claims on the north and the bass season opens on May 16. Nothing more can be said.

Thanking you for the personal interest you have taken in our behalf and trusting your Field Team holds no malice because of the misunderstanding.

Sincerely yours,

Thos. R. Howse

Thos.R.Howse

TRH/es

CC Joplin, DMEA
Senator Estes Kefauver
W.H.Howse

FILE COPY
SURNAME:

Martin
Hedges
Goldridge
Gilmore

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

Mr. Thos. R. Howse
Thos. R. Howse Co.
1481 Peabody Avenue
Memphis, Tennessee

APR 14 1953

Dear Mr. Howse:

Our Field Team in Joplin, Missouri, has sent us copies of the following correspondence:

D.C. 4/14/53

(1) Your letter of March 9, 1953, to DMEA, Joplin, requesting application forms for exploration aid, and asking for information about obtaining a "Certification of Discovery or Development," and for other information to assist you in developing and mining manganese in Montgomery and Polk Counties, Arkansas;

(2) The Field Team's reply to you of March 13; and

(3) Your letter of March 25 to the Executive Officer, DMEA Field Team, Joplin.

Receipt is also acknowledged of the copy of your March 25 letter which you sent to this office.

We appreciate this opportunity to review the foregoing correspondence directly with you because, as we regret to note, the Field Team, while attempting to convey a large amount of information in its one-page reply of March 13, has achieved an effect of curtness rather than conciseness. At the risk of going to the other extreme with too much detail, we desire to comment as follows.

To clarify our discussion, it is necessary to distinguish adequately between the four phases of mineral enterprise: prospecting, exploration, development, and mining. Each phase receives different treatment from the Government.

Prospecting may be defined as the search for indications of mineral deposits.

An "exploration project" is defined in DMEA Order-1 as "the search for unknown or undeveloped sources of strategic or critical metals or minerals within a specified area or parcel of ground in the United States * * * whether conducted from the surface or underground, including recognized and sound procedures for obtaining pertinent geological,

geophysical, and geochemical information." In other words, exploration is the work done to determine the existence and size of a mineral deposit.

Development has been defined as the preparation of a mineral deposit for production.

Mining, as the term is used in this connection, is production from a mineral deposit.

The Defense Minerals Exploration Administration is precluded by DMEA Order-1 from giving aid for prospecting as such. Likewise we cannot assist development or mining because the definition of an "exploration project" in DMEA Order-1 specifies: "The work shall not go beyond a reasonable delineation and sampling of the ore, and shall not include work prosecuted primarily for mining or preparation for mining." Assistance for development and mining is a function of another governmental organization, the Defense Materials Procurement Agency. That Agency, under present conditions, would probably require information about the results of exploration at your property before entertaining an application for development or mining aid.

Because of all the foregoing consideration, we ask each applicant for exploration aid to complete in detail our usual MF-103 forms so that we can determine whether a field examination is warranted. The information submitted with the forms should indicate that prospecting has already found a mineral showing that might justify an exploration project; the proposed work should appear to constitute a suitable program for exploration; and the applicant's estimated costs should be proportionate to the size of the probable target of the project. If the applicant so requests, our Field Team will assist in the preparation of an application.

In the case of manganese, the Government's contribution is 75 percent of the cost of an approved project. Thus, for every three dollars furnished by the Government, the applicant provides one dollar of his own. Consequently, we are interested in knowing whether each project is likely to produce manganese for the defense effort in sufficient quantity to justify that project. It is, therefore, quite important for us to learn whether any metallurgical processes available for treatment of whatever ore our programs may find are such as to give reasonable possibility of recovering appreciable tonnages of manganese from these properties in the not too distant future.

We believe that with the above discussion in mind you will be in a better position to see that our Field Team had no intention of provoking indignation by its letter of March 13, 1953, and that we are all interested in being of assistance in the case of any suitable exploration project.

If, after consideration of the foregoing information, you decide that exploration assistance is what you require, may we suggest that you complete the enclosed application forms and return them direct to this office for our consideration. Please be assured that any such application will have our prompt attention.

Sincerely yours,

C. O. Mittenderf (for)

Administrator

Copy to: Mails and Files
Field Team, Region 6
Code 400
Admr. Read. File

WSMartin/ls
4/8/53

Mail & Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Joplin, Missouri
March 30, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 1 1953

Mr. C. O. Mittendorf
Administrator
Defense Minerals Exploration
Administration
U. S. Department of Interior
Washington 25, D. C.

Dear Mr. Mittendorf:

For your information I am enclosing herewith copies of all correspondence between this office and Mr. Thos. R. Howse of the Thos. R. Howse Co., 1481 Peabody Avenue, Memphis, Tennessee. I assume that you have already received a copy of Mr. Howse's last letter to this office. That assumption is based on his statement in his letter expressing his intention to send you a copy.

Mr. Howse's recent letter to us implies that a breach of tact and of cooperativeness has been committed by this office. I contend that not only is the opposite true but our letter to him dated March 13, 1953 to which Mr. Howse took such strong exception was sent in all good conscience in an effort to be cooperative and helpful. Following is a chronological summation of all correspondence between Thos. R. Howse Co. and this office:

March 9, 1953 - letter to this office signed by Thos. R. Howse of Thos. R. Howse Co. Mr. Howse requests forms with which to make application for DMEA project on western Arkansas manganese, also requests "Certification of Discovery or Development."

March 13, 1953 - letter written by Clinton C. Knox addressed to Thos. R. Howse Co., Memphis, Tennessee. Letter states that MF-103 forms are being forwarded and that a "Certification of Discovery or Development" would be obtained only as a result of a successful DMEA project. Further remarks advised the applicant to present convincing evidence showing that western Arkansas manganese can be produced at a profit. (This letter was composed and sent during my absence from Joplin on field examination in Texas.)

Mr. Williams

Copy of Howse letter previously sent by Howse himself, was routed to Mr. Martin - to hold for letter from Williams.

fsw

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 4/1/53

REFERRED TO:

1. ~~Mittendorf 4624~~
2. [redacted]
3. [redacted]
4. Martin

FOR:

---------- Action	---------- Recommendation
---------- Approval	---------- Record of ----------
---------- Comment	---------- Referring to ----------
---------- Conference	---------- Reply for signature of ----------
---------- Consideration	---------- Rewriting
---------- Filing	---------- Signature
---------- Instructions	---------- Suggestions
---------- Investigation	---------- Your information
---------- Initials	
---------- Mailing	
---------- Previous correspondence	

REMARKS: We will probably hear more - so guess I had better write a letter to Howse to try to patch up matters

Check (X) before the items needing attention.

ROBERT E. ADAMS

Initials of sender.

J. C.

GPO 16—66816-1

March 25, 1953 - letter signed by Thos. R. Howse addressed to this office, "DMEA Headquarters" and "my Senator". Letter takes strong exception to our letter of March 13,1953 and expressed indignation at fancied mistreatment from this office.

I wish to emphasize that our single letter of March 13, 1953, to Mr. Howse is the only communication of any type we have ever had with Mr. Howse. He has never appeared personally at this office.

From the content of his recent letter you will be able to judge as to the type and quality of Mr. Howse's temperament and personality. Because I do not feel inclined to give him additional ammunition with which he might further condemn personnel in this office, would it be appropriate for me to ask you to compose and direct a reply to Mr. Howse if, in your estimation, any answer is advisable.

Respectfully yours,

W. P. Williams

W. P. Williams
Executive Officer
Field Team, Region VI

WPW:jd
Encs.

cc - Operating Committee

c
o
p
y

THOS. R. HOWSE CO.
Exporters-Importers
1481 Peabody Avenue, Memphis, Tennessee

March 9, 1953

Defense Minerals Exploration Administration
221 West Third Street
Joplin, Missouri

Sirs:

Will you please send us by return mail the necessary forms to enable us to make application for aid in exploring a Manganese project in Montgomery and Polk Counties, Arkansas.

Since discovery has already been made we would like to know what steps should be taken to obtain a "Certification of Discovery or Development". Any other information that will assist us in efficiently developing and mining Manganese will be appreciated.

Yours very truly,

(signed) Thos. R. Howse
Thos.R.Howse Company

c
o
p
y

Joplin, Missouri
March 13, 1953

Mr. Thos. R. Howse
Exporters-Importers
1481 Peabody Avenue
Memphis, Tennessee

Dear Sir:

In response to the request in your letter of March 9, 1953, the MF-103 forms on which to prepare your application for the Government aid on the proposed manganese exploration project, are herewith enclosed along with DMEA Order-1 and a booklet describing the Defense Minerals Program.

The "Certification of a Discovery or Development" that you inquired about obtaining in connection with your manganese discovery in Montgomery or Polk Counties, Arkansas, would only be made by the Government within 6 months after the close of DMEA project work which was considered to have resulted in finding an ore deposit from which production might be obtained during 10 years hence. The Operator is required to pay to the Government the specified royalty on any such productions until its contribution on the project work is repaid.

In hopes of assisting on the application, I suggest it should present very convincing evidence to overcome all the unfavorable information that has been available to us concerning the western Arkansas manganese deposits. From the results of the old mining and prospecting there, the various investigations of the State and Federal Geological Surveys, and all DMEA projects and examination work during the past 2 years, we have yet to see any tangible proof of ore deposits there which according to the proper definition, are mineral deposits that could be mined at a profit.

This office is glad to be of any assistance in preparing your application.

Very truly yours,

Clinton C. Knox
For W. P. Williams
Executive Officer
DMEA Field Team, Region VI

/jd
Encs.

COPY

THOS. R. HOWSE CO.
Exporters - Importers
1481 Peabody Avenue-Memphis, Tennessee

March 25, 1953

United States
Department of the Interior
Defense Minerals Administration
Joplin, Missouri

Attention: Executive Officer
DMEA Field Team

Gentlemen:

Referring to the third paragraph of your letter dated March 13, 1953, it is to be assumed that three strikes are already against possible manganese production in western Arkansas and the only way anyone can interest the government in exploration assistance is to go in and explore the area and then show the government that the ore is there. After that is done what use is your plan? We thought the government, I should have side the Congress, enacted legislation to finance extensive exploration in areas where the mineral existed with the thought of finding the lode that would be beneficial to this country.

As of this writing I would not bother to read, say nothing of completing, the forms you sent to us. The only way we can posaibly overcome "all the unfavorable information" you refer to, is to spend our own money and mine our leads blindly without an exploration program. We will be successfull in a small way because our beneficiation plant will receive ore from all the local land owners as well as our mines. We will ship 50 tons of Manganese a day-- and the Government wants to stock pile 19,000,000 tons. Quite a contrast, isnt it? With millions of tons of ore in Western Arkansas, granted they appear in small and spotted veins, the price of $2.30 per unit should be inducive to your office to be more willing to assist in developing this area.

We do appreciate the frankness expressed in your letter, since it will save us a lot of trouble and time in preparing the forms and possibly waiting in vain for a favorable reply.

As an expression of indignation, with no personal reflections whatsoever, I am sending a copy of this letter to my Senator, and your headquarters.

Yours very truly,

Signed Thos. R. Howse
Thos. R. Howse Co.

FILE COPY
SURNAME:

Ruth Lyn Martin

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

MAY 13 1953

Mr. W. P. Williams, Executive Officer
DMEA Field Team, Region VI
221 West Third Street
Joplin, Missouri

Dear Mr. Williams:

Reference is made to our recent correspondence with Mr. Thos. R. Howse, formerly of 829 Thayer Avenue, Los Angeles, California, then of 1481 Peabody Avenue, Memphis, Tennessee, but now of United Mineral Industries, P. O. Box 151, Glenwood, Arkansas.

It will be appreciated if you will look at Mr. Howse's property at the same time that you make your examination of the Old Sauerman Mine of the Cadde River Mining Company (Docket No. DMEA 3011). We would, of course, appreciate further information on the somewhat obscure relationship between United Mineral Industries and the Cadde River Mining Company.

Although it is noted that Mr. Howse sent your office a copy of his April 22 letter to us, we are enclosing an additional copy for your ready reference, together with two copies of our reply.

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee

WSMartin/ls 5/11/53

cc: Docket of Mails & Files
Field Team, Region 6
Code 400
Operating Committee
Adm. Reading File
N. B. Melcher, USBM
M. D. Crittenden, USGS

J.C. 5/13/53

Enclosures

APPROVED:

J. H. Hedges

Member, Bureau of Mines

T. P. Thayer

Member, Geological Survey

400

FILE COPY
SURNAME:

Martin
Rutledge
Gyak
Thayer

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

Mr. W. P. Williams, Executive Officer
DMEA Field Team, Region VI
221 West Third Street
Joplin, Missouri

MAY 1 3 1953

Re: Docket No. DMEA 3011 - Manganese
Caddo River Mining Company
Old Samsman Mine
Pike County, Arkansas

Dear Mr. Williams:

Reference is made to letter of April 28, 1953, from Clinton G. Knox, transmitting the subject application and recommending denial of same.

We would prefer not to make a summary denial; instead, we would like to have you make a field examination. Attached are copies of a memorandum of May 5 by M. D. Crittenden, U. S. Geological Survey, and of our recent correspondence with Mr. Thos. R. Howse, formerly of 829 Thayer Avenue, Los Angeles, California, then of 1481 Peabody Avenue, Memphis, Tennessee, but now of United Mineral Industries, P. O. Box 151, Glenwood, Arkansas. We would, of course, appreciate further information on the somewhat obscure relationship between United Mineral Industries and the Caddo River Mining Company.

You will recall that our letter of February 12, 1953, to Hon. Oren Harris, mentioned that we understood he would be sending us copies of correspondence between Mr. Glenn Coker and the Arkansas Development Commission regarding the above-referenced manganese occurrences. We assume that the letter by Mr. Norman F. Williams of the Arkansas Resources and Development Commission written February 5, 1953, to Mr. A. F. Weaver, copy of which accompanied the subject application, is the correspondence to which Congressman Harris referred.

Sincerely yours,

Chairman, Operating Committee

APPROVED:

WSMartin/ls 5/8/53

Copy to: Docket
Field Team, Reg. 6
Code 400
Oper. Committee
Adm. Reading File
N. B. Melcher, USBM
M. D. Crittenden, USGS

Member, Geological Survey

P.S.- Also attached is memorandum of May 7, 1953, by Gilbert L. DeHuff, Jr., U. S. Bureau of Mines, concerning the subject application.

Member, Bureau of Mines

W. Chamberlain

Mr. F. L. Parnell
Executive Assistant
Office of Defense Mobilization
Washington 25, D. C.

MAY 13 1953

My Dear Mr. Parnell:

In response to the request of your office, the figures below present obligations (Net) of Government funds by commodity as of April 30, 1953.

COMMODITY	NET OBLIGATIONS
Antimony	$ 316,415
Asbestos	337,709
Beryl Mica	136,448
Cobalt Nickel	496,425
Columbium-Tantalum	1,312
Copper	840,226
Corundum	32,400
Fluorspar	112,784
Graphite	889
Iron	254,350
Lead-Zinc	4,498,091
Lead-Zinc-Copper	1,782,049
Manganese	311,941
Mercury	539,221
Mica	367,195
Rare Earths	174,234
Rutile	15,209
Sulphur	87,121
Talc	29,267
Tin	371,638
Tungsten	1,768,642
Uranium	779,743
Total	$13,253,309

If we may be of further assistance, do not hesitate to call upon us.

Sincerely yours,

C. O. Mittendorf (for)

Administrator, DMEA

WNC/mds
cc: Adm. Reading File, DMEA
Mails & Files, DMEA
Mr. Mittendorf
Mr. Chamberlain, DMEA

J.C. 5/13/53

BL

500

FILE COPY
SURNAME:

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

Moldo
Lemmon
Hedges
Johnson

MAY 15 1952

Mr. C. E. Rohmer
Caddo River Mining Company
4020 Sixth Avenue
Fort Worth, Texas

Re: Docket No. DMMA 2489
Caddo River Mining Co.
Clark County, Arkansas

Dear Mr. Rohmer:

With reference to your application of March 25, 1952 for exploration project assistance proposing bulldozing of a hill and river bar located in your lease on the Caddo River; the Government has made a detailed study of the data submitted by you, and, also, all geological and field data presently available.

The requirements for Government participation in exploration necessitate the presentation of definite geological evidence and engineering feasibility, indicating the possibility of a mineral discovery and eventual production of a significant amount of strategic mineral.

The review of your application indicates that the data presented do not meet these requirements for the following reasons:

1. The general information and the reported discovery of a mineral specimen do not conclusively prove the presence of structures and mineralization worthy of exploration.

2. The Fisher indicator, as an effective geological tool, is limited in scope and the results of its use in this instance are believed highly conjectural.

3. Review of geological and mineral production records of this area indicates that mineral prospects in the belt extending from Hot Springs County, Arkansas to McCurtain County, Texas have been submarginal and too complex for successful milling.

We have, therefore, concluded that your exploration project does not meet the requirements for Government participation and your application is denied.

Congressman Harris of Ark. called Gruttendorf's office ~~up~~ about his case — it was denied —

Please call him back

Code 190 - X. 402

I called his secretary and talked to her W Keller

We appreciate the opportunity to review your proposal in the interest of strategic mineral discovery and ultimate production, and regret that it does not meet with the necessary requirements.

Sincerely yours,

E. O. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

DEMoulds/mef/hmj
5-12-52
CC to: Adm. Reading File
Docket File Copy
Mr. Bishop
Mr. McKnight
Region VI (2)
Mr. Moulds
Operating Committee

500

FILE COPY
SURNAME:

Moulds
Lemmon
Hedges

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

May 9, 1952

Memorandum

To: Acting Administrator

From: D. E. Moulds

Subject: Denial of application, Caddo River Mining Company
DMEA 2489, Clark County, Arkansas

The application of the Caddo River Mining Company for an exploration project appears to be based entirely on local information and inference as to mineralization in the area. A specimen of ore was reportedly found, and the assay of this specimen has been supplied as evidence. However, nothing of a definite nature concerning the source of this specimen is to be found in the application. They have, also, reported the use of a Fisher Indicator and the occurrence of igneous rock, copper stains on the hill, quartz crystals, and lead-zinc operations in the vicinity which cannot be used as definite supporting information.

The only conclusions available from the application and available information is that the applicant has a very hazy knowledge of his property and of mining and that further work by the field team would not add to this knowledge except in a negative manner.

The review by the USGS accompanying this docket has covered the above points and not a great deal more can be added to their review. We, therefore, concur that the project should be denied without a field team examination.

D. E. Moulds (mef)

D. E. Moulds

DEMoulds/mef
cc to: Docket File Copy
Mr. Moulds
Mr. Bishop
Mr. McKnight
Region VI

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

May 9, 1952

Memorandum

To: Acting Administrator

From: D. E. Moulds

Subject: Denial of application, Caddo River Mining Company
DMEA 2489, Clark County, Arkansas

The application of the Caddo River Mining Company for an exploration project appears to be based entirely on local information and inference as to mineralization in the area. A specimen of ore was reportedly found, and the assay of this specimen has been supplied as evidence. However, nothing of a definite nature concerning the source of this specimen is to be found in the application. They have, also, reported the use of a Fisher Indicator and the occurrence of igneous rock, copper stains on the hill, quartz crystals, and lead-zinc operations in the vicinity which cannot be used as definite supporting information.

The only conclusions available from the application and available information is that the applicant has a very hazy knowledge of his property and of mining and that further work by the field team would not add to this knowledge except in a negative manner.

The review by the USGS accompanying this docket has covered the above points and not a great deal more can be added to their review. We, therefore, concur that the project should be denied without a field team examination.

D E Moulds

D. E. Moulds

IN REPLY REFER TO:

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

April 28, 1952

Memorandum

Re: DMEA-2489
Caddo River Mining Co.
Clark County, Arkansas
$5,000

To: Mr. D. E. Moulds

From: E. L. Newcomb

Subject: Recommendation for denial

The applicant requests exploration assistance for the purpose of locating the source of a silver-copper-lead-zinc ore specimen, which is reported to have been found on the gravel bed of the Caddo River. The reported location of the specimen is about 18 miles from Arkadelphia in the northwestern corner of Clark County, Arkansas.

The proposed work will consist of bulldozing the river gravels in an effort to locate a possible vein. The applicant implies that the results obtained with a Fisher indicator have shown that a metalliferous vein is present underneath the river gravels.

According to the Geophysical Branch of the Survey, the Fisher instrument can only be used effectively as a geological tool when in the hands of an operator who is well grounded in geology. Otherwise, the results can be easily misinterpreted. Although the instrument is very commonly used to locate iron water pipes, it can be used to determine the location of faults, veins and other similar features. However, its effective depth of detection is limited to 10 feet. The size of the Caddo River would seem to indicate that the deposition of gravel bars along the stream bed should exceed a depth of 10 feet. Also gravel bars are usually subject to movement because of changing river conditions at various times in the year. for this reason, it is improbable that an ore specimen would be found directly above its bedrock source.

Although the applicant refers to a large lead-zinc mine which is reported to be 3-4 miles west of his property, we have no record or available information of a lead-zinc mine in this area. The only known lead-zinc prospect in the vicinity is the Housley mine, which is about 7 miles northeast of the applicant's property. Submarginal occurrences of lead-zinc-copper mineralization are widespread in a belt extending from Hot Springs County, Arkansas to McCurtain County, Oklahoma. However, none of the prospects along this belt have proven to be economic, because the mineralization is very low grade and too complex for successful milling. The applicant's property is near

this belt, but the evidence submitted does not indicate that the proposed work is worthy of further consideration.

Inasmuch as the source of the sample has not been established, and because the results obtained with the Fisher indicator are highly conjectural, we do not believe that the applicant's proposal has any chance of finding a commercial lead-zinc deposit.

We recommend that the application be denied.

E. L. Newcomb
E. L. Newcomb
Geologist

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

April 28, 1952

Memorandum

Re: DMEA-2489
Caddo River Mining Co.
Clark County, Arkansas
$5,000

To: Mr. D. E. Moulds

From: E. L. Newcomb

Subject: Recommendation for denial

The applicant requests exploration assistance for the purpose of locating the source of a silver-copper-lead-zinc ore specimen, which is reported to have been found on the gravel bed of the Caddo River. The reported location of the specimen is about 18 miles from Arkadelphia in the northwestern corner of Clark County, Arkansas.

The proposed work will consist of bulldozing the river gravels in an effort to locate a possible vein. The applicant implies that the results obtained with a Fisher indicator have shown that a metalliferous vein is present underneath the river gravels.

According to the Geophysical Branch of the Survey, the Fisher instrument can only be used effectively as a geological tool when in the hands of an operator who is well grounded in geology. Otherwise, the results can be easily misinterpreted. Although the instrument is very commonly used to locate iron water pipes, it can be used to determine the location of faults, veins and other similar features. However, its effective depth of detection is limited to 10 feet. The size of the Caddo River would seem to indicate that the deposition of gravel bars along the stream bed should exceed a depth of 10 feet. Also gravel bars are usually subject to movement because of changing river conditions at various times in the year. for this reason, it is improbable that an ore specimen would be found directly above its bedrock source.

Although the applicant refers to a large lead-zinc mine which is reported to be 3-4 miles west of his property, we have no record or available information of a lead-zinc mine in this area. The only known lead-zinc prospect in the vicinity is the Housley mine, which is about 7 miles northeast of the applicant's property. Submarginal occurrences of lead-zinc-copper mineralization are widespread in a belt extending from Hot Springs County, Arkansas to McCurtain County, Oklahoma. However, none of the prospects along this belt have proven to be economic, because the mineralization is very low grade and too complex for successful milling. The applicant's property is near

this belt, but the evidence submitted does not indicate that the proposed work is worthy of further consideration.

Inasmuch as the source of the sample has not been established, and because the results obtained with the Fisher indicator are highly conjectural, we do not believe that the applicant's proposal has any chance of finding a commercial lead-zinc deposit.

We recommend that the application be denied.

E. L. Newcomb
E. L. Newcomb
Geologist

With reference to your application of March 28, 1952 for exploration permit covering portions of a hill and some dam located on your lease on the Caddo River; the Government has made a detailed study of the data submitted by you and, also, all geological and field data presently available.

The requirements for Government participation in exploration necessitate the presentation of definite evidence of geological and engineering feasibility indicating the possibility of a commercial discovery and eventual production of ~~[illegible]~~ a significant amount of strategic mineral. ~~It has been therefore concluded that the geological information and reported discovery of a commercial deposit on the area is not sufficient to meet this requirement.~~ The other criteria as an effective geological tool is limited in scope and results are ~~usually highly conjectural and, also,~~ The review of your application indicates that the data presented does not meet the requirements for the following reasons.

Mr. C. E. Robinson
Caddo River Mining Company
4020 - South Cravens
Fort Worth, Texas.

Re Docket DMEB-2489
Caddo River Mining Company
Clark County, Arkansas.

Dear Mr. Robinson:

1. The critical information and reported discovery of a commercial phosphate ~~on the~~ ds such ~~[illegible]~~ conclusively prove ~~the presence of geologic~~ structures and mineralization critically of exploration.

2. The Secretary indication as an efficient geological tool is limited in scope and the results of its use in this instance are believed highly conjectural.

3. Review of ~~the~~ geological and mineral production records of this area indicate that commercial prospects in the ~~[illegible]~~ belt extending from Hot Springs County Arkansas to McCurtain County, Texas have been unremunerative and too complex for successful concentrations.

We have therefore concluded that your exploration prospects does not meet the requirements for Government participation and your application is denied.

We appreciate the opportunity to review your prospects in the interest of strategic mineral discovery and ultimate production, and regret that it does not fulfill the requirements ~~to~~ necessary regulations.

EXPLORATION

Subject: DMEA-2489
Re: Exploration Loan
April 21, 1952

Mr. C. E. Rohmer
Caddo River Mining Co.
4020 6th Avenue
Ft. Worth, Texas

My dear Mr. Rohmer:

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-2489 and referred to the Base Metals Division.

Kindly refer to DMEA-2489 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Administrative Officer

7862

DMEA-2489

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

April 17, 1952

DMEA Operating Committee
Defense Minerals Exploration Administration
Washington 25, D. C.

Re: Application - MF-103
Caddo River Mining Company
Ft. Worth, Texas

Dear Sirs:

Transmitted herewith are three copies of the application on Form MF-103 of the Caddo River Mining Company received by this office.

The Operator sent us five copies -- we are retaining two copies for our files.

Sincerely yours,

David Gallagher
Executive
DMEA Field Team, Region VI

Enc.

DG/lh

DMEA-2489

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

April 17, 1952

DMEA Operating Committee
Defense Minerals Exploration Administration
Washington 25, D. C.

APR 21 1952

Re: Application - MF-103
Caddo River Mining Company
Ft. Worth, Texas

Dear Sirs:

Transmitted herewith are three copies of the application on Form MF-103 of the Caddo River Mining Company received by this office.

The Operator sent us five copies -- we are retaining two copies for our files.

Sincerely yours,

David Gallagher

David Gallagher
Executive
DMEA Field Team, Region VI

Enc.

DG/lh

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-2489
Metal or Mineral
Date Received 4-21-52
Amount $
Participation (Government %)

Name and address of applicant

CADDO RIVER MINING CO.
4020 - 6th. AVE
FT. WORTH, TEXAS

Date 3-25-52

If you have already filed MF-100, give date filed 3-25-52, 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.

CADDO RIVER MININ CO
(Name of company)

By C. E. Rohmer
(Signature of authorized official)

MARCH 29, 1952
(Date)

PARTNER - Sectry.
(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

Form MF - 103
Question: 1 (a)

The property in question is located approxamitely 18 miles from Arkadelphia, Arkansas out State Highway #7, then cut left toward the Caddo River XXXXXXXXXXXXXXXXXX to the Old Ledbetter place which is a part of the land leased by us for the exploration, and development of the Lead, Zinc, and Antimony which is reported to extend through the Caddo river bed on our lease. (Enclosed is Analysis of ore reported to have been found on river bed at low ebb, but which now is covered by water. (Please return Analysis)
(Ag - .20 oz., Cu - .30%, Pb - 17.30%, Zn - 6.50%) 66.00

Question: 1(b)

Lease Copy Encl. (Please return Copy of Lease at your Convenience)

Question: 1(C)

Recorded at Book 216, Page 77, in the deed records of Clark County, Arkansas, and covering the following described lands in Clark County, Arkansas, to-Wit:

The Southwest Quarter of the Southeast Quarter (SW¼ SE¼) Section 1, Twp. 6s., R 21w., containing 40 acres more or less

All that part of the Nortwest Quarter of the Northeast Quarter (NW¼ NE¼) Section 12, Twp. 6s., R. 21w.m which lies West of the Caddo River, containing 30 acres more or less.

The Northeast Quarter of the Northwest Quarter (NE¼ NW¼) Section 12, Twp. 6s., R 21w.m containing 40 acres more or less.

and also the adjacent property on the other side of the river recorder at book 216, page 72 in the deed records of Clark County, Arkansas covering the following lands:

The Rractional Northwest Quarter (NW¼) of Section 6, Twp. 6s., R. 20w., containing 103.69 Acres, more or less.

CADDO RIVER MINING CO.
4020 6th Ave.
Ft. Worth, Texas

Form MF-103
Question #2

Apparently there is a ledge, or dike of galena running across the bed of the Caddo River through our lease. Although we have approximate knowledge of it's whereabouts we need additional geological, and financial assistance to exploit this lease.

Question 3 (a)

We want to locate the galena vein in the gravel bar on the Caddo River this will necessitate that we hire a bulldozer to remove the overburden where our Fisher Indicator shows it to be. Also on the point of the mountain there appears to be a dike of igneous rock that we would like to clear a shelf with dynamite, and a bulldozer which we will have to rent. XXX At this point of the mountain cut by the Caddo River We have dug around a little, and obtained quartz crystals of great clarity. Most of these crystals have been small however. We feel that there should be approx. one hundred thousand tons of the ore if, and when the overburden is removed. It is estimated that from four to six months work will necessary with the expenditure of approximately $5,000 dollars of which we are prepared to furnish one-half of the above amount, or $2500. We would like to contact your geology men, and go over the property with them so that we might obtain their expert opinion.

Question 3 (b)

Once we have your approval of contract, and location we would like to sign application of loan, and commence work. We extimate from four to six months work will be entailed.

Caddo River Mining Co
4020 6th Ave.
Ft. Worth, Texas

Form MF-103
Question #5

None.

Caddo River Mining Co.
4020 6th Ave.
Ft. Worth, Texas

Form MF- 103
Question #6

The only buildings necessary are tool and dynamite shed plus mine entrance shed, and shoring timbers.

Tool and Dynamite shed $150.00

Caddo River Mining Co.
4020 6th Ave.
Ft. Worth, Texas

From MF-103
Question #7

(a) Bulldozer @ 10.00hr. (200 Hrs.) $2,000.00
~~XXXXXXXXXXXXXX~~

(b) Air Compressor, Air Motors & Drills $300.00
Picks, Shovels, Axes, Wheelbarrows.
Gasoline engine, Water pump, Hydraulic
Hose, Dynamite. $1200.00

(c) Fisher Metal Locater Plus some
small hand tools.

Caddo River Mining Company
4020 6th Ave.
Ft. Worth, Texas

Form MF-103
Question #8

Three laborers are to be hired @ 1.00 hr. for 500 hrs. $1,500.00

CADE RIVER LINES CO.
4020 6th Ave.
Ft. Worth, Texas

From LF-103
Question ~~#~~ 9

None

CADDO RIVER MINING CO.
~~4020~~ 4020 6th Ave.
Ft. Worth, Texas

Form MF-103
Question #10

(a) We are prepared to invest $2500.00

(b) Inasmuchas the assay shows sample to contain Lead, Zinc, and antimony this amount is considered sufficient for Government participation.

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-2489

Date received 4-21-52

U.S. Department of Interior
Defense Minerals Administration
RECEIVED
APR 21 1952

CADDO RIVER MINING CO
4020 - 6th AVE
FT. WORTH, TEXAS

Name and address of applicant

Date 3-25-52

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? NONE AS YET
   (*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. NONE AS YET
   (*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. 18 MILES FROM ARKADELPHIA
   (*b*) Mining district.
   (*c*) Township, Section, Range. SECTION 1, 6, 12 R. 20; & 21 W.
   (*d*) County, State. CLARK CO. ARK.
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 NONE

   If not in production or operation, estimated date when production will begin SOON AS VEIN IS FOUND
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: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
J C WHEELER 4832 LAFAYETTE FT WORTH TEX		4,400	5,000				
CLAUDE FOSTER 7424 CULVER FT WORTH		4,800	15,000				
E C BRANNON 1619 LONG FT WORTH		7,000	10,000				
H L PIERCE BOYD ROUTE AZLE TEX		4,282	12,000				
C E ROHMER 4020 6TH AVE FT WORTH		4,648	12,500				
	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	$ NONE	$	$		
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)	NONE				
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. NOT APPLICABLE

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. G[illegible]ENA & ZINC ORE.

Caddo River Mining Co.
4020 6th Ave.
Ft. Worth, Texas

Form MF-100
Question #6

J.C. Wingfield- Road Construction work approx. 3yrs. with Ark. State Hwy. Dept. Familiar with dynamite, and rock and dirt moving. General Mechanic

Claude Foster- Familiar with supervisory work, and General Mechanic.

E.C. Brannon- Familiar with Heavy dirt moving equipment, and general mechanic.

H.L. Pierce- Familiar with general mechanics and dirt moving.

C.E. Rohmer- Engineer- Familiar with minerals, extraction processes, and general mechanics.

Caddo River Mining Co.
4920 6th Ave.
Ft. Worth, Texas

Form MF-100
Question # 7

The Galena was first found by a fishing party of people who owned the land when the Caddo River was at low ebb. the river is up now over this area completely, and we want to trace this 16 inch vein out of the river onto the banks where mining operation may be continued full time. The attached assay was from a portion of the galena, and rock which was obtained from this vein. There is evidence of much copper in the hill overlooking the Caddo River on our lease. However we would like to clear away the overburden both on the hill, and in the River to inspect more closely our chances of opening several shafts.

Please let me know when the mining inspection can be conducted by your department as we would like to be up there to show, and support our findings. Thank you. C. E. Rohmer, 4020 6th Ave. Ft. Worth, Texas

Approximately three or four miles west of us there is a large lead and zinc mine, and to our east there is another mine of Bayrite (as I have been told).

(*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)	Do Not Know	As Yet			

(*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.

Gravel Road & Rock Road To Lease 18 Miles From Arkadelphia (All Weather)

14. Water Supply:

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

Caddo River

15. Power:

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

Ark. Power & Light.

16. Labor:

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

None Yet.

17. Equipment and Facilities:

None Yet.

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.

None.

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.

Caddo River Mining Co
(Name of company)

By C. E. Rahmer
(Signature of authorized official)

March 29th. 1952
(Date)

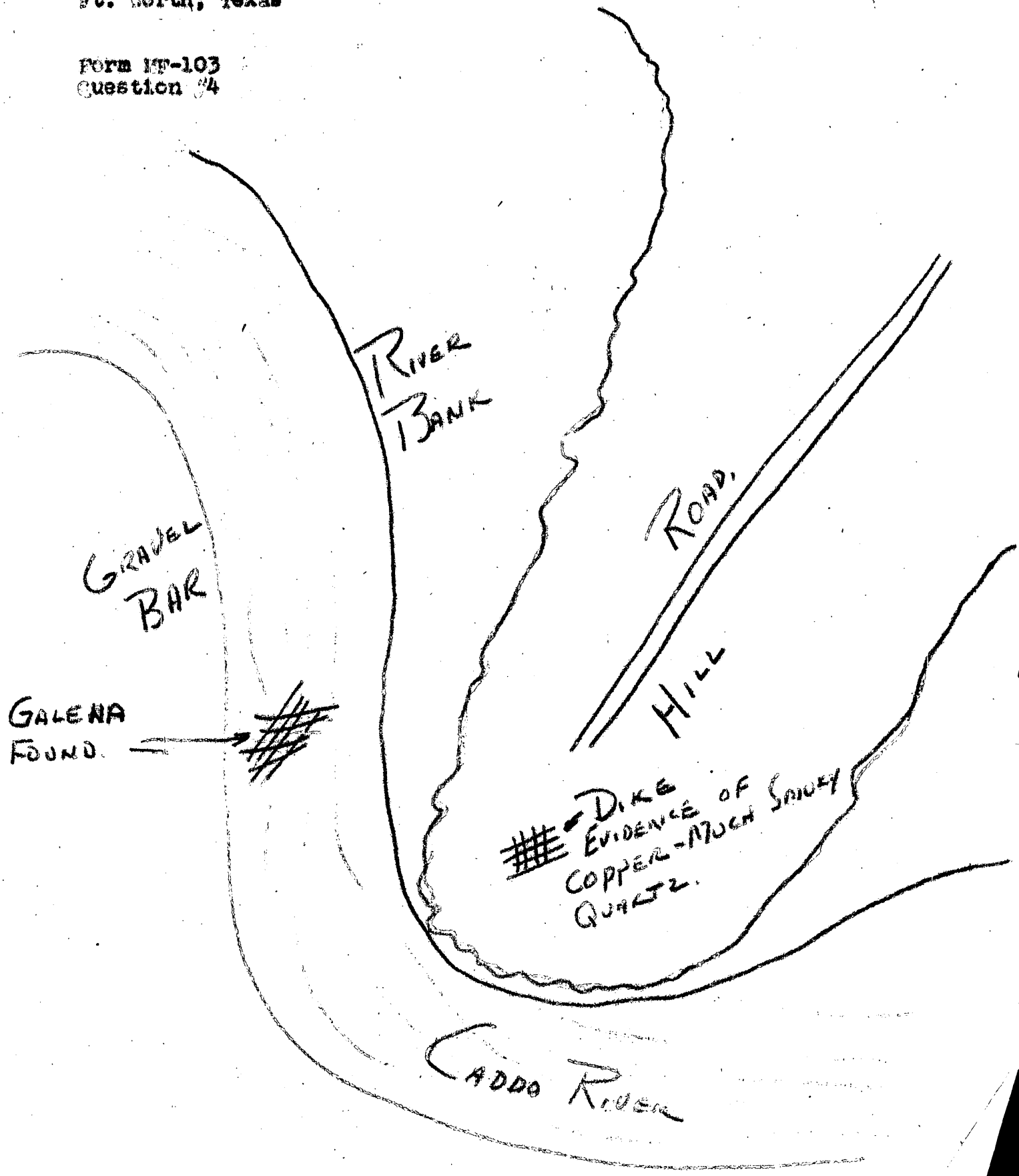
Partner - Sectry
(Title)

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

Caddo River Mining Co.
4020 6th Ave.
Ft. Worth, Texas

Form MT-103
Question #4



"THE FINEST OF MERCHANDISE AVAILABLE"

ROHMER BROS.

PRODUCTS FOR WHOLESALE GROCERS AND PRODUCE MEN

TELEPHONE 6-3479 » 2105 PRAIRIE AVE.

FORT WORTH 6, TEXAS

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-2489
Metal or Mineral
Date Received 4-21-52
Amount $
Participation (Government %)

Name and address of applicant

Caddo River Mining Co.
4020 - 6th Ave
Ft Worth, Texas

Date 3-25-52

If you have already filed MF-100, give date filed 3-25-52, 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.

CADDO RIVER MINING CO (Name of company) By C. E. Rohmer (Signature of authorized official)

MARCH 29, 1952 (Date) PARTNER. Secty (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

Form MP - 103
Question: 1 (a)

The property in question is located approximately 10 miles from Arkadelphia, Arkansas out State Highway 67, then out left toward the Caddo River ~~xxxxxxxxxxxxxxxxx~~ to the old Selbetter place which is a part of the land leased by us for the exploration, and development of the Lead, Zinc, and Antimony which is reported to extend through the Caddo river bed on our lease. (Enclosed is Analysis of ore reported to have been found on river bed at low ebb, but which now is covered by water. (Please return Analysis)

Question: 1(b)

Lease Copy Encl. (Please return Copy of Lease at your Convenience)

Question: 1(c)

Recorded at Book 216, Page 77, in the deed records of Clark County, Arkansas, and covering the following described lands in Clark County, Arkansas, to-wit:

The Southeast Quarter of the Southeast Quarter (SE¼ SE¼) Section 1, Twp. 6s., R 21w., containing 40 acres more or less

All that part of the Northwest Quarter of the Northeast Quarter (NW¼ NE¼) Section 12, Twp. 6s., R. 21w.s which lies West of the Caddo River, containing 30 acres more or less.

The Northeast Quarter of the Northwest Quarter (NE¼ NW¼) Section 12, Twp. 6s., R 21w.s containing 40 acres more or less.

and also the adjacent property on the other side of the river recorded at book 216, page 72 in the deed records of Clark County, Arkansas covering the following lands:

The Fractional Northwest Quarter (NW¼) of Section 6, Twp. 6s., R. 20w., containing 103.69 Acres, more or less.

CADDO RIVER MINING CO.
4020 6th Ave.
Ft. Worth, Texas

Form MT-103
Question #2

Apparently there is a ledge, or dike of galena running across the bed of the Caddo River through our lease. Although we have approximate knowledge of it's whereabouts we need additional geological, and financial assistance to exploit this lease.

Question 3 (a)

We want to locate the galena vein in the gravel bar on the Caddo River this will necessitate that we hire a bulldozer to remove the overburden where our Fisher Indicator shows it to be. Also on the point of the mountain there appears to be a dike of igneous rock that we would like to clear a shelf with dynamite, and a bulldozer which we will have to rent. XXX At this point of the mountain cut by the Caddo River We have dug around a little, and obtained quartz crystals of great clarity. Most of these crystals have been small however. We feel that there should be approx. one hundred thousand tons of the ore if, and when the overburden is removed. It is estimated that from four to six months work will necessary with the expenditure of approximately $5,000 dollars of which we are prepared to furnish one-half of the above amount, or $2500. We would like to contact your geology man, and go over the property with them so that we might obtain their expert opinion.

Question 3 (b)

Once we have your approval of contract, and location we would like to sign application of loan, and commence work. We extimate from four to six months work will be entailed.

Caddo River Mining Co
4020 6th Ave.
Ft. Worth, Texas

Form MF-103
Question 25

None.

Caddo River Mining Co.
4020 6th Ave.
Ft. Worth, Texas

Form MP- 103
Question #6

The only buildings necessary are tool and dynamite shed plus mine entrance shed, and choring timbers.

Tool and Dynamite shed $150.00

Caddo River Mining Co.
4020 6th Ave.
Ft. Worth, Texas

From EF-103
Question #7

(a) Bulldozer @ 10.00hr. (200 hrs.) $2,000.00
~~Kirkxxxxxxxxx~~

(b) Air Compressor, Air Motors & Drills $300.00
Picks, Shovels, Axes, Wheelbarrows.
Gasoline engine, Water pump, Hydraulic
Hose, Dynamite. $1200.00

(c) Fisher Metal Locater Plus some
small hand tools.

Cadic River Mining Company
4020 6th Ave.
Ft. Worth, Texas

Form MF-103
Question #6

Three laborers are to be hired @ 1.00 hr. for 500 hrs. $1,500.00

CADDO RIVER MINING CO.
4020 6th Ave.
Ft. Worth, Texas

From MF-103
Question #~~8~~9

None

[illegible] [illegible] [illegible] Co.
[illegible] 4020 6th Ave.
Ft. Worth, Texas

Form [illegible]-103
Question #10

(a) We are prepared to invest $2500.00

(b) Inasmuchas the assay shows sample to contain lead, zinc, and antimony this amount is considered sufficient for Government participation.

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-2489

Date received 4-21-52

CADDO RIVER MINING CO
4020 6TH AVE
FT. WORTH, TEXAS

Name and address of applicant

Date 3-25-52

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? NONE YET
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. NONE YET
   (*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. 18 MI. FROM ARKADELPHIA.
   (*b*) Mining district.
   (*c*) Township, Section, Range. SECTION 1, 6, 12 R 20 & 21 W
   (*d*) County, State. CLARK CO. ARK.
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 NONE

   If not in production or operation, estimated date when production will begin SOON AS VEIN IS FOUND
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: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
J. C. Wingfield 4833 Lafayette Ft Worth, Tex	Partner	$4,400	$5,000	None		None	
Claude Foster 7429 Culver Ft. Worth	"	4,800	15,000		"		"
E. C. Brannon 1619 Long Ft. Worth	"	$7,000	$10,000		"		"
H. R. Pierce Boyd Route Azle, Tex	"	4,282	$12,000		"		"
C. E. Rohmer 4020 - 6th. Ave Ft. Worth	"	$4,648	$12,500		"		"
	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	$ None	$	$		
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)	None				
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. Not Applicable

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral d[illegible]it briefly. Accompany the application by any [illegible]ailable report on the geology and ore reserves. Galena & Zinc Ore

Caddo River Mining Co.
4020 6th Ave.
Ft. Worth, Texas

Form MP-100
Question #6

J.C. Wingfield- Road construction work approx. 3yrs. with Ark. State Hwy. Dept. Familiar with dynamite, and rock and dirt moving. General Mechanic

Claude Foster- Familiar with supervisory work, and General Mechanic.

E.C. Brannon- Familiar with Heavy dirt moving equipment, and general mechanic.

H.L. Pierce- Familiar with general mechanics and dirt moving.

C.E. Rohmer- Engineer- Familiar with minerals, extraction processes, and general mechanics.

Caddo River Mining Co.
4020 6th Ave.
Ft. Worth, Texas

Form 17-100
Question # 7

The Galena was first found by a fishing party of people who owned the land when the Caddo River was at low ebb. the river is up now over this area completely, and we want to trace this 18 inch vein out of the river into the banks where mining operation may be continued full time. The attached assay was from a portion of the galena, and rock which was obtained from this vein. There is evidence of much copper in the hill overlooking the Caddo River on our lease. However we would like to clear away the overburden both on the hill, and in the River to inspect more closely our chances of opening several shafts.

Please let us know when the mining inspection can be conducted by your department as we would like to be up there to show, and support our findings. Thank you. C. E. Rohmer, 4020 6th Ave. Ft. Worth, Texas

Approximately three or four miles west of us there is a large lead and zinc mine, and to our east there is another mine of Payrite (as I have been told).

(*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)	Do Not Know, As Yet				

(*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.
Gravel & Rock Road To Lease 18 M. From Arkadelphia (All Weather

14. Water Supply:

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

15. Power:

State amount of power used, rate per hour, and source thereof.
Ark Power & Lights

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.
None Yet

17. Equipment and Facilities:

None Yet

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.
None.

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.

Caddo River Mining Co
(Name of company)

By C. E. Rohner
(Signature of authorized official)

March 29, 1952
(Date)

Partner - Secty
(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

[redacted] Pres-Treas. EDMUND E. PHI[redacted]AND, Secretary

OUR MOTTO: WHAT THERE IS IN IT, NO MORE, NO LESS.

THE CO[redacted]ORADO ASSAYING C[redacted]MPANY

(INCORPORATED)

ASSAYERS AND CHEMISTS

2013 WELTON STREET

DENVER 1, COLORADO, Jan. 19, 1952.

REPORT ON DETERMINATIONS MADE FOR— Mr. J. C. Wingfield,
Ft. Worth, Texas.

SAMPLE MARKS	METALS	Amount per Ton Ozs.	Amount per Ton Hds.	PER CENT	Value per Ton Dollars	Value per Ton Cents
	Silver		.20			.18
	Copper			0.30%	1	.20
	Lead			17.3%	51	.90
	Zinc			6.5%	13	.00
					66	10

GOLD AT _____ PER OUNCE
LEAD AT $3.00 PER UNIT
Zinc at $2.00 per unit.

SILVER AT 90¢ PER OUNCE
COPPER AT $4.00 PER UNIT

THE COLORADO ASSAYING COMPANY

By Edmund Phillips

MINING OPERATIONS AGREEMENT
AND ASSIGNMENT OF LEASE

KNOW ALL MEN BY THESE PRESENTS:

THAT WE, E. L. Yarbrough, Owen Sanders, and R. A. Sanders, being the holders by mesne conveyances of the interests of lessee in a certain instrument of mineral lease executed by Thomas Shepherd and wife, Veda Shepherd on the 23rd day of October, 1950 and recorded at Book 216, Page 77, in the Deed Records of Clark County, Arkansas, and covering the following described lands in Clark County, Arkansas, to-wit:

> The Southwest Quarter of the Southeast Quarter (SW¼ SE¼) Section 1, Twp. 6s., R 21w., containing 40 acres, more or less.
>
> All that part of the Northwest Quarter of the Northeast quarter (NW¼ NE¼) Section 12, Twp. 6s., R. 21w., which lies West of the Caddo River, containing 30 acres, more or less.
>
> The Northeast Quarter of the Northwest Quarter (NE¼ NW¼) Section 12, Twp. 6s., R 21w., containing 40 acres, more or less.
>
> Containing in the aggregate 110 acres, more or less,

and that we, W. A. Sanders and Volley Ledbetter, being the owners of the interests of lessee in that certain instrument of lease executed by J. W. Ledbetter and wife Sabrey Ledbetter on the 23rd day of October 1950, and recorded at Book 216, Page 72, in the Deed Records of Clark County, Arkansas, and covering the following described lands in Clark County, Arkansas, to-wit:

> The Fractional Northwest Quarter (NW¼) of Section 6, Twp. 6s., R. 20w., containing 103.69 acres, more or less.
>
> Containing 103.69 acres, more or less,

said persons being hereinafter referred to as parties of the first part, for and in consideration of the royalties, covenants, conditions and agreements hereinafter contained on the part of the second parties to be kept and performed, have agreed and do hereby agree to lease and let unto J. C. Wingfield, E. C. Brandon, H. R. Pierce, C. C. Foster and Charles E. Rohmer, hereinafter referred to as second parties, in equal interest, share and share alike, all of the lands described in the two above mentioned leases, for the term and upon the conditions herein set out.

1. The purpose of this grant is to permit the second parties

to carry on mining operations upon said lands, for any minerals or mineral products which may exist in, on, or under said lands.

2. Second parties are hereby granted the rights of occupation, ingress and egress, and possession necessary for the purposes herein set out, in all respects controlled only by the rights of lessees in the two above mentioned original leases, which are hereby incorporated by reference herein and made a part hereof the same as if fully set out herein.

3. Said mining operations are to be carried on by any method deemed most suitable by second parties, but in such manner as will protect all interested parties, including the owners of the land, against unnecessary waste, and operations shall be carried on with such degree of care and skill as will meet the approval practices of the trade.

4. All operations hereunder shall be at the expense of the second parties herein, and all public and private risks of injury or damage shall be borne by said second parties. Second parties agree to observe and comply with all applicable laws in regulation of wages, hours of work, and conditions of employment, and all laws providing for excise or other taxes. All severance taxes applicable to the operations hereunder shall be paid by second parties.

5. This agreement shall be in full force and effect from and after the date of its execution, but shall terminate at the expiration of 120 days after the date hereof, unless second parties have by that time begun actual operations of mining, or have in process the installation of equipment for that purpose. This agreement shall continue in force indefinitely after mining operations have been started, and so long as mining operations are continued, but upon the failure of second parties to pay over any royalties to first parties as provided herein, during any period of twelve months or more, at the option of the first parties, and upon written notice to that effect, this agreement may be terminated.

6. The royalties provided in the original leases mentioned herein payable to the owners, amounting to one-eighth (1/8), shall be paid by second parties to said owners, in accordance with the

terms of said instrument.

7. The royalties to be paid by second parties and first parties herein shall be as follows: A royalty of one-eighth (1/8) to be paid so long as the ore at melting plant delivery shall not assay more than 50% of recoverable minerals, in any combination. A royalty of one-fourth (1/4) to be paid upon any quantity of ore in which the sum of all recoverable minerals shall assay more than 50%. The royalties and all records and computations and shipments related thereto shall be kept separate for the two separate tracts of land above described, unless by agreement of all the first parties hereto and owners thereof, and each of the first parties shall be paid his pro rata share as payment is received by second parties, or may be paid directly by the purchasers thereof, and all payments shall be based upon prices at the mine, or prices at point of pay less transportation, provided, either the first parties or the owners may demand payment in kind at the mine at their option.

8. First Parties and the owners of said lands shall have the right of visitation and inspection of said premises at all reasonable times, and also the right to examine the record of sales of all products taken in operations hereunder, at any reasonable time.

9. At the expiration of the term hereof, by mutual agreement or by exercise of any option herein, the second parties may remove any and all equipment and property from said premises, except that if any royalty is due to first parties and unpaid, a lien will exist against any property of second parties remaining on said premises to secure payment of the same.

And first parties agree that second parties, they keeping all their agreements herein, shall have free and uninterrupted use and possession of said lands during the term hereof to the extent necessary for all the purposes herein set out.

And we, Vernie Yarbrough, wife of the said E. L. Yarbrough, Lucille Sanders, wife of the said Ovus Sanders, Isabel Sanders, wife of the said R. A. Sanders, Tennie Sanders, wife of the said W. A. Sanders, and Bonnie Ledbetter, wife of the said Volley Ledbetter, for and in consideration of the premises above set out, do here release and relinquish unto the said second parties our rights of Dower in

and to the said lands, to the extent and for the purposes above set out.

And we, J. C. Wingfield, E. C. Brandon, H. R. Pierce, C. C. Foster, and Charles E. Rohmer, for and in consideration of the above agreements and covenants on the part of the first parties, hereby agree to keep and observe all the conditions and agreements and to pay the royalties as herein provided during the full term thereof.

And as parties hereto we hereby bind ourselves, our heirs, assigns, and personal representatives.

In testimony whereof this agreement is executed at Arkadelphia, Arkansas, this the 28th day of January 1952.

R. A. Sanders
C. L. Yarbrough
Ford Sanders
W. A. Sanders
Velby Ledbetter
Isabell Sanders
Vernie Yarbrough
Lucille Sanders
Jennie Sanders
Bonnie Ledbetter

First Parties

J. C. Wingfield
E. C. Brandon
H. R. Pierce
C. C. Foster
Charles E. Rohmer

Second Parties

ACKNOWLEDGMENT

STATE OF ARKANSAS
COUNTY OF CLARK

BE IT REMEMBERED that on this day personally appeared before me the undersigned, a Notary Public within and for the county aforesaid, duly commissioned and acting, E. L. Yarbrough, Ovus, Sanders, and Volley Ledbetter, as parties of the first part, and J. C. Wingfield, E. C. Brandon, H. R. Pierce, C. C. Foster and Charles E. Rohmer, as second parties, and stated that they had executed the above and foregoing instrument in their capacities as said parties, for the considerations and purposes therein stated and set forth.

And on the same day also voluntarily appeared before me Vernie Yarbrough, wife of the said E. L. Yarbrough, Lucille Sanders, wife of the said Ovus Sanders, Isabel Sanders, wife of the said R. A. Sanders, Tennie Sanders, wife of the said W. A. Sanders, and Bonnie Ledbetter, wife of the said Volley Ledbetter, and stated that they had signed and sealed the said instrument and executed the release and relinquishment of dower therein, for the considerations and purposes therein stated and set forth.

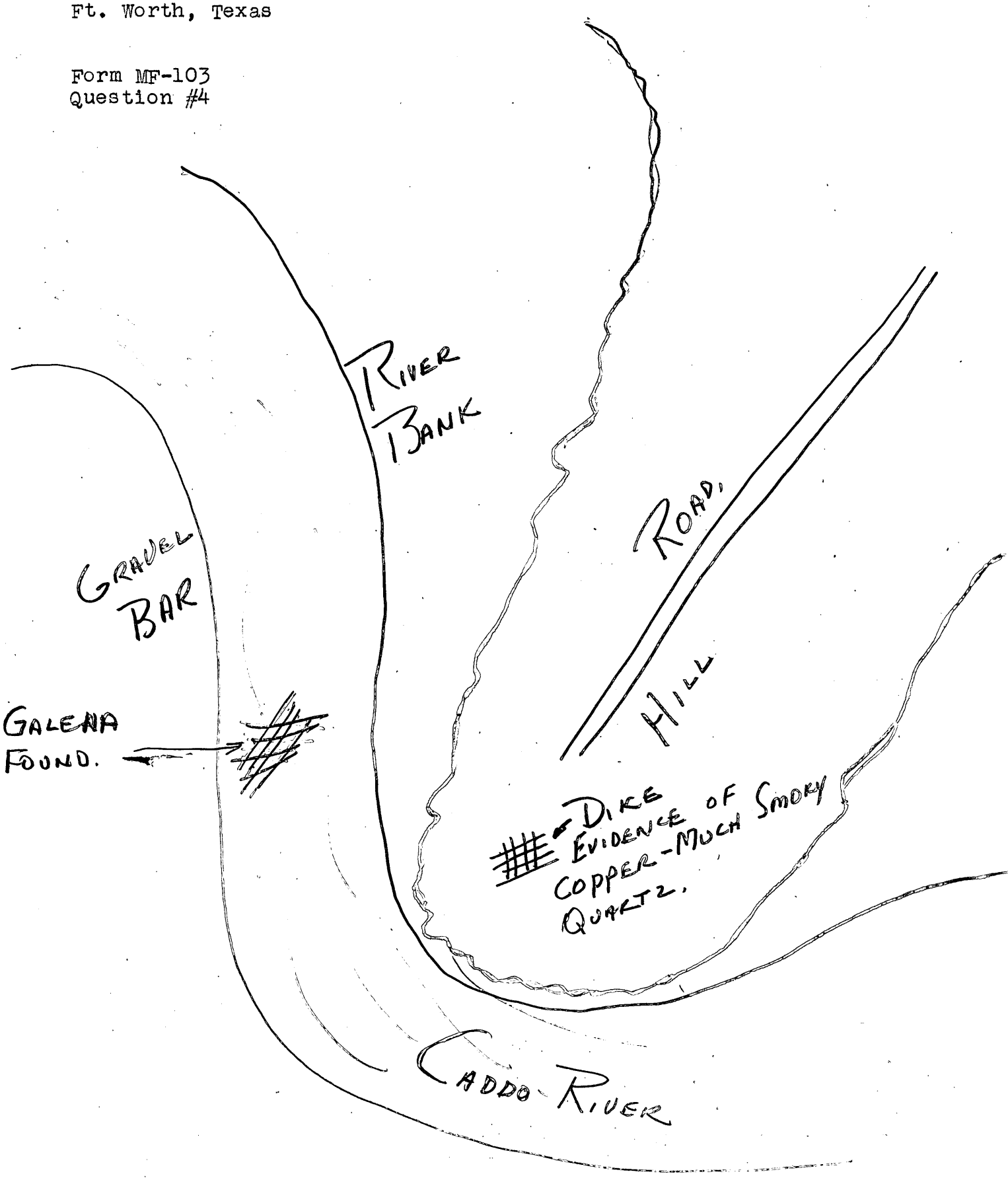
WITNESS MY HAND AND OFFICIAL SEAL as such Notary Public, this the 28th day of January, 1952.

My Commission expires 9/15/55

Annie A Rose

Caddo River Mining Co.
4020 6th Ave.
Ft. Worth, Texas

Form MF-103
Question #4



"THE FINEST OF MERCHANDISE AVAILABLE"

ROHMER BROS.

PRODUCTS FOR WHOLESALE GROCERS AND PRODUCE MEN

TELEPHONE 6-3479 • 2105 PRAIRIE AVE.

FORT WORTH 6, TEXAS