DMA Form 1

DEFENSE MINERALS ADMINISTRATION
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DMA Docket No. 59X

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V. F. Foy

Routing Slip

To:		Date	
To:	Gowen	Date	5/29/51
To:	Lyon	Date	7/17/51
To:	Coordinating Com.	Date	
To:	Field Team, Region IV	Date	
To:	Allsman	Date	7/20/51
To:	Mathews	Date	7-27-51
To:	Allsman	Date	
To:	Mr. Gowen	Date	10/26/51
To:	Mr. Lyon	Date	11/1/51
To:	Ellis	Date	12-3-51
To:	~~[illegible]~~ Rm. 3619 (B.M.)	Date	12-3-51
To:	~~[illegible]~~ Rm. 4216 G.S.A	Date	12/3/51
To:	Operating Comm. Rm. 4640 (B.M.)	Date	
To:	Report & Records	Date	

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FILE COPY
SURNAME:

200

Adams

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

NOV 3 1952

Dnen 59

Mr. V. F. Foy
Box 878
Albuquerque, New Mexico

Dear Mr. Foy:

This will acknowledge your letter dated October 26, 1952 addressed to Captain Ellis of this Administration, requesting that maps and reports submitted by you with your application for exploration assistance be returned.

In accordance with your request the material is returned herewith.

Sincerely yours,

C. O. Mittendorf (Gilm)

Administrator

R.H.
11-3-52

Enclosures
READams/meb
11/3/52
cc to: Adm.Reading File
Mails & Files Br.

DMEA 59

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 29 1952

Albuquerque, N. M.
October 26, 1952.

Captain C. W. Ellis,
Chief of the Defense
Minerals Exploration Adminstration.
Washington, D. C.

Dear Sir:

I have received a letter from, Mr. G. A. Nugent, who has done some legal work for me before your organization, in which he states that your department has rejected my application for government assistance on the grounds that you have no confidence in my property or the district as a whole.

I would be pleased to have you return the reports, maps, etc. These have cost me money, which I do not have to much of.

It is strange to many of us prospectors and small miners, why the government Engineers and Geologists are examining and approving loans and assisntance to companies that have walked off their own mines and will not spend their own money for further exploration and development, and at the same time turn down unexplored and virgin ground.

We, do not know how the election will go, but if a liberal President and Congress is elected. We, will try to either have some work done for the little fellow or stop the entire proceedings. Thanking you again for sending me back my reports, I am

Yours very truly,

V. F. Foy

V. F. Foy
Box 878
Albuquerque, N. M.

400

FILE COPY
SURNAME:

Ellis
Fitzwater
Gibson
Groom
Thayer
Johnson
Mittendorf

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

AIR MAIL

DEC 7 - 1951

Mr. V. F. Foy
P. O. Box 178
Albuquerque, New Mexico

Re: Docket No. M-592, (Copper)

Dear Mr. Foy:

This Agency, the Defense Minerals Exploration Administration, has recently taken over the work of the former Supply Division of the Defense Minerals Administration. Your application under the above captioned docket number has been reviewed in this office.

In the light of all the data available, there is insufficient evidence that would indicate an important discovery of copper might be made at your project large enough to be of importance to the National Defense. Under the circumstances we regret to inform you that your application for an exploration contract is denied.

We wish to thank you for bringing this property to the attention of the Government.

Sincerely yours,

12/7

C. O. Mittendorf (fw)
Acting Administrator
~~Chairman~~, Operating Committee
Defense Minerals Exploration
Administration

APPROVED:

Member, Bureau of Mines

Member, Geological Survey

EWEllis/jem 12-3-51
cc to: Adm. Reading File
Reports & Records
Docket
Messrs. Mittendorf
Johnson, C. H.
Nelson, Ned
Ellis
Field Team, Reg. IV (2)

Denials

DMA-59X
Copper
Region IV

V. F. [illegible], ALBUQUERQUE, NEW MEXICO. Buckeye Mine, Socorro County, New Mexico. $50,000 requested.
Application denied.

Oct. 15 1952

Mr. Geo. A. Nugent
Washington, D.C.
American Bldg.
called on behalf
of Mr. Foy
(DMA-59X) I told
him the property did
not look "too hot".
He is going to see
what work has been
done since last
review i.e. Dec. 7-1951
Robt W. Ellis

310

FILE COPY
SURNAME:

DMA
Waugh
Gowen
Nelson

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

Mr. V. F. Foy
Buckeye Copper Mine
Box 878
Albuquerque, New Mexico

Re: Docket No. DMA-59X

Dear Mr. Foy:

Your application for exploration aid has been reviewed by the Defense Minerals Administration and we are sorry to inform you that it is denied.

On the basis of the information submitted with your application and the material available to the Government it is felt that the geological possibilities are not such as to justify Government participation in an exploration program at this time.

We wish to thank you for bringing this property to the attention of the Government.

Very truly yours,

Tom Lyon, Director
Supply Division

RVWaugh:rw
11-1-51

Copy to: Administrator's Reading File
Executive Officer, DMA Field Team IV
Mr. Gowen
Mr. Johnson
Mr. Nelson (GSA Building, Rm. 4216)
DMA Docket

FILE COPY
SURNAME:

Johnson

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

November 9, 1951

Memorandum

To: Executive Officer, DMA Field Team, Region IV

From: Chairman, Coordinating Committee

Subject: Report on 994, Buckeye Mine, Socorro County, New Mexico, W. P. Foy.

This application is being held without action pending revision of procedures here, but presumably will have to be acted on in the near future. It is noted that the Field Team report definitely recommends denial.

There is no opposite opinion here about the merits of this project, and we are anxious to avoid needless work on the part of your staff. However, I feel that the report should be commented on, chiefly because it fails to back up its opinions and conclusions with factual evidence. I know this often seems like a waste of time, but we know that we may be forced to review such cases from time to time, and that in the time when maps or sketches of the workings and a number of samples, preferably including some taken at places pointed out by the owner as representing his best showings, are well worth the cost. They are much cheaper than having to repeat examinations.

The report fails to make clear that a favorable horizon exists and that it "has been thoroughly explored." It does not explain why the absence of remaining ore in the accessible workings "by inference" shows this to be the case in the flooded portions of the mine. Though the applicant's project was uncertable, might it have been worth the cost to unwater and examine the lower workings? The report states the applicant "is in no position to finance an exploration project on the scale proposed, nor of an even smaller one." This would be sufficient basis for denying the application, if it can be substantiated, but it is not clear that it can.

Previous examinations of the Buckeye, of which reports are on file here were inadequate for the present purpose. One made by Johnson in 1944 referred to samples taken, but returns

CEJohnson/rhr
Copy to Base Metals Branch
Minerals Division
Mr. Lyon
Mr. Thayer
Mr. Gowen
DMA Docket File
Files

not yet available, and stated that more thorough examination of the Buckeye and a nearby prospect would be made at a later date. Holmquist's report in 1945 was not much more thorough, though it covered a number of other properties; it lacked maps or samples from the Buckeye. No mining geologist has reported in detail on the Buckeye, hence we haven't the fullest possible support for a decision.

I am not asking for further field work at this time, and am glad to say that most reports are first class. But I thought you might agree, more or less, with the foregoing criticism and point out to your staff the desirability of backing up negative as well as favorable opinions with plenty of unquestionable facts.

SIGNED

Tom Lyon

11/14

Bureau of Mines

Geological Survey

FILE COPY
SURNAME:

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

Memorandum

To: Administrative Management Division

From: Director, Supply Division

Subject: Application for Exploration Aid of Mr. V. F. Foy, Box 878, Albuquerque, New Mexico, DMA-59X, Commodity-Copper

Denial of this application is recommended by DMA Field Team Region IV for the following reasons:

1. It is quite apparent that the most likely horizon for ore disposition at this property has been thoroughly explored. Further exploratory work would not be successful in locating ore bodies. Much more exploratory work has been done in the past then the consequent production has warranted.

2. There is no positive information that important tonnage of ore have been produced or that unmined reserves of any consequence remain in the mine.

3. The total known production of the district is less than 200 tons of ore valued at not more than $20 per ton produced from workings of more than 3,000 feet.

4. The applicant is in no position to finance an exploration project on the scale proposed, nor of an even smaller one.

A letter has been prepared to the applicant notifying him of this denial.

Transmitted herewith for your disposal is the entire file consisting of the following:

1 Form MF-103 with answer sheet attached
1 Field Team Report on Buckeye Copper Mine
1 DMA Review of Application for Exploration Assistance
2 Reports by Mr. T. E. Smith, October 19, 1950
1 Report on The Buckeye Group by J. C. Pierce, July 5, 1947
1 Report by T. E. Smith, October 7, 1944
1 Report by T. E. Smith with Buckeye Mining Property, May 6, 1950

1 Form letter of T. Lyon to J. H. East, July 18, 1951
1 DMA Status Change Notice
1 Letter of T. E. Smith to J. H. East
    Nov. 2, 1950 (3 copies)
    October 29, 1950
    Aug. 14, 1951
1 Geological Map of the Buckeye Mine
1 Mine assay map
1 Sketch map of Buckeye Mining Property
6 Letters to Mr. V. F. Fey from
    S. H. Williston, January 10, 1951 with memo of J. K. Richardson to Operating Committee, Jan. 10, 1951 attached
    T. Lyon, April 4, 1951 with letter of Fey to Williston March 22, 1951 attached
    J. B. Gowan, May 2, 1951 with letter of Fey to Richardson, April 23, 1951 attached
    L. F. Strebel, June 18, 1951 (2 copies)
    T. E. Smith
1 Letter of W. H. King to T. E. Smith, August 30, 1951
1 Letter of D. Chavez to O. Chapman, September 19, 1951
1 Letter of V. F. Fey to J. H. East, November 8, 1950
3 Letters to Senator D. Chavez from
    V. F. Fey, September 15, 1951
    R. D. Searles, September 20, 1951
    O. Chapman, October 15, 1951
1 Letter of V. F. Fey to J. B. Gowan, May 21, 1951

Tom Lyon, Director
Supply Division

Attachment

HVMaugh:rw
11-1-51

Copy to: Administrator's Reading File
Executive Officer, DMA Field Team IV
Copper Branch
DMA Docket

Buckeye Mine
DMA 59

Mike –

I don't recall positively how this went, but I think he first asked for a production loan, and only later submitted an explor. application. The production loan could not have received favorable action because there were practically no ore reserves.

The exploration ~~loan~~ aid application is denied because the prospect is believed to offer too little chance of containing an orebody of consequence. That is, it appeared not to justify Government participation, even though the ~~[illegible]~~ policy ~~[illegible]~~ purpose of the program is to encourage exploration and the policy probably is considerably more "optimistic" (more favorable to the prospect, or takes larger chances) than the policy of the mining industry itself with reference to exploration of new prospects. ~~[illegible]~~ Briefly, we do not agree with Mr Foy in his appraisal of the prospect.

Mr. Foy is correct in understanding that the private party to an approved exploration project is expected to meet the expenses as they occur, and to be reimbursed by the

Government. Experience has not yet been long enough ~~permitted us~~ to say how long it would take to pay the vouchers. Every effort would be made to pay promptly, but it might be that it would require a month or more.

The DMA exploratory program is not literally a grubstaking program. For one thing, as Mr. Foy notes, the funds are not advanced. But it is better than grubstaking in that the Government does not acquire a permanent share or ownership in the property, as the old time grubstakers did; the Government, at most, will get back no more than it puts into any given project. In case of failure, it will have no lien on the property.

in case of a successful venture.

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

Nov. 1-51

Memorandum

To: Administrative Management Division

From: Director, Supply Division

Subject: Application for Exploration Aid of Mr. V. F. Foy, Box 878, Albuquerque, New Mexico, DMA-59X, Commodity-Copper

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2. There is no positive information that important tonnage of ore have been produced or that unmined reserves of any consequence remain in the mine.

3. The total known production of the district is less than 200 tons of ore valued at not more than $20 per ton produced from workings of more than 3,000 feet.

4. The applicant is in no position to finance an exploration project on the scale proposed, nor of an even smaller one.

A letter has been prepared to the applicant notifying him of this denial.

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Tom Lyon, Director
Supply Division

Attachment

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

224 New Customhouse
Denver 2, Colorado

October 22, 1951

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: Final Report, DMA Docket 59X, V. F. Foy; applicant, Buckeye Copper Mine, Water Canyon Mining District, Socorro County, New Mexico

Enclosed herewith are the original and two copies of the report on the subject docket.

We concur with the conclusions and recommendations of the examining team that the exploration loan of $50,000 be denied.

The brochure is enclosed.

for J. H. East, Jr.

A. H. Koschmann

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 2 0 1951

Mining Division
Region IV

October 22, 1951

Memorandum

To: DMA Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Final Report, DMA Docket 59X, V. F. Foy, applicant, Buckeye Copper Mine, Water Canyon Mining District, Socorro County, New Mexico.

The application of the subject docket was for an exploration loan of $50,000.

An elaborate program was proposed to test geologic theories of Thomas F. Smith, a pseudo-geologist.

Thereare not any reserves in the accessible parts of the mine, the geologic probability of finding ore is remote, and the applicant is financially unable to provide his part of even a small project.

The examining engineer recommends denial of the application, with which we consur.

Paul T. Allsman

Paul T. Allsman

RECEIVED
OCT 2 1951

Mining Division
Date Rec'd.

OCT 19 1951

BUREAU OF MINES
Denver, Colorado

October 17, 1951

Memorandum

To : Paul T. Allsman, Denver, Colorado

From : Chief, Arizona-New Mexico Br., Mining Div., Region IV

Subject: Final Report, DMA Docket 5 X, Buckeye Copper Mine, Water Canyon Mining District, Socorro County, N. Mex.

Enclosed are original and 7 copies of the above report by Grant L. Dubly of the Bureau of Mines. No separate geological report will be made by the Geological Survey.

This report has my approval.

Brochure is enclosed.

Walter H. Storms

CC: P. T. Allsman (7)
C. E. Anderson
DMI-5X
RF

WHStormes:als

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

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION OF FIELD TEAM
REGION IV

DMA-59X - Buckeye Copper Mine

Water Canyon Mining District

Socorro County, New Mexico

Grant R. Rubly, Mining Engineer
U. S. Bureau of Mines

October 1951

als

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

By Grant R. Rubly[1]

Under the date of October 29, 1950, Thomas Edwin Smith, on behalf of Vernon F. Foy, submitted a preliminary application for a Mining Loan of $35,000 to expand and develop copper ore in the Buckeye mine, Water Canyon Mining District, Socorro County, N. Mex. This application received the docket number of DMA-59 but later was changed to DMA-59X. Formal application for aid for an exploration project, pursuant to Mineral Order 5 under the Defense Production Act of 1950, was filed with the Defense Minerals Administration on May 21, 1951. This application estimated the cost of the project at $50,000, of which the Government participation would be 50 percent, or $25,000. The difference between the original request of $35,000 and the later one of $50,000 is explained by the applicant as an increase necessitated by rising costs of labor and materials. The docket was reviewed in Washington and forwarded to the Defense Minerals Administration Field Team, Region IV, with the request for a field examination.

The first claims in the Water Canyon District were located in 1868, more or less coincident with the mining activity of the Magdalena district. Four claims of the Buckeye group were patented in 1908, but active work in the Buckeye mine had been suspended in 1901. In 1917 and 1918 a shaft was sunk on the property and some sulfide

---

1/ Mining Engineer, U. S. Bureau of Mines, Tucson, Arizona

ore was shipped. Since that time no work has been done.

Actual production from the mine is not known although two shipments of 15 tons each were made in 1917. One lot averaged 1.1 ounces silver and 3.8 percent copper per ton of ore, and the other 0.03 ounces gold, 4.0 ounces silver and 10.6 percent copper per ton of ore. The entire Water Canyon district has an estimated production of less than 200 tons valued at not more than $20 per ton. Over 3,000 feet of accessible or known workings were required to produce this tonnage.

There are 4 patented and 5 lode mining claims held by location in the Buckeye group owned by Vernon F. Foy. The patented claims were acquired by a Tax Deed from the State of New Mexico.

Mineralization occurs in the Lake Valley limestone at or near its contact with argillite or igneous rocks, and is associated with fractures in the limestone oriented at an angle to the bedding. The ores in the limestone contain lead, copper and zinc with minor amounts of silver. All the mineralization noted in the Buckeye mine was oxidized iron and manganese with some very small amounts of malachite. Some vein material piled on the dump contained mostly pyrite with traces of azurite, malachite and chalcopyrite. This material probably came from lower levels of the mine below the zone of oxidation and now under water.

Ore reserves in the accessible workings are not over a few tons of tons and there is little reason to believe much more could be found below water level.

The Buckeye mine was abandoned many years ago and has remained idle since. Recently the applicant cleaned out the inclined shaft and main workings.

An elaborate exploration program was proposed to test geologic theories advanced by Smith. In a discussion in the field between Smith, Foy, and the writer regarding the exploration program, Smith made a comment to the effect that if the first 60 feet of drifting to the southeast from the Buckeye workings did not disclose ore, he would be ready to give up the project.

It is quite apparent that the most likely horizon for ore deposition at this property has been quite thoroughly explored. There is no positive information that important tonnages of ore have been produced or that unmined reserves of any size remain in the mine. Much more exploratory work has already been done in the past than the consequent production has warranted.

The applicant is in no position to finance a project of the size of the one proposed, nor of even a much smaller one.

Therefore it is recommended that the application for aid for an exploratory program be denied because there is practically no ore in sight in the mine and the geologic probability of finding ore is very small.

BUCKEYE COPPER MINE
WATER CANYON MINING DISTRICT
SOCORRO COUNTY, NEW MEXICO
DMA DOCKET 59X

Engineering Report

By Grant R. Rubly
Mining Engineer
U. S. Bureau of Mines

October 1951

BUCKEYE COPPER MINE
WATER CANYON MINING DISTRICT
SOCORRO COUNTY, NEW MEXICO
DMA DOCKET 59X

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Ore reserves	5
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Proposed exploration	6
Estimated cost of project	7
Conclusions	7
Recommendations	8

ILLUSTRATIONS

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2 Buckeye Copper Mine, Water Canyon District	2

INTRODUCTION

Under the date of October 29, 1950, Thomas Edwin Smith, on behalf of Vernon F. Foy, submitted a preliminary application for a Mining Loan of $35,000 to expand and develop copper ore in the Buckeye mine, Water Canyon Mining District, Socorro County, N. Mex. This application received the docket number of DMA-59, but was later changed to DMA-59X. Formal application for aid for an exploration project, pursuant to Mineral Order 5 under the Defense Production Act of 1950, was filed on May 21, 1951. This application estimated the cost of the project at $50,000 of which Government participation would be 50 percent, or $25,000. The difference between the original request of $35,000 and the later one of $50,000 is explained by the applicant as an increase necessitated by rising costs of labor and material. The docket was reviewed in Washington and forwarded to the Defense Minerals Administration Field Team, Region IV, with the request for a field examination,

ACKNOWLEDGMENT

The writer wishes hereby to express his gratitude to Vernon F. Foy for the privilege of visiting the Buckeye mine and for other courtesies extended; and to Thomas Edwin Smith for his discussion of the geology of the area and of the proposed exploration program.

In the course of preparing this report the writer has made use of prior publications and reports on file in the office of the U. S. Bureau of Mines. These are "The Ore Deposits of Socorro County, New Mexico", by Samuel G. Lasky, New Mexico School of Mines,

State Bureau of Mines and Mineral Resources Bulletin No. 8, 1932, and "Preliminary War Minerals Memorandum" and "Supplemental Examination Report, Water Canyon District, Socorro County, New Mexico" by Ray J. Holmquist, 1945 and 1946.

It is believed that a perusal of this latter report by the reviewing committee would probably have avoided the necessity of a field examination.

LOCATION, TOPOGRAPHY AND CLIMATE

The Buckeye mine is located in Sec. 27, T. 3 S., R. 3 W., in the Water Canyon Mining District on the east slope of the Magdalena Mountains, Socorro County, N. Mex. (Figs. 1 & 2). It lies between Copper and Water Canyon, and close to the junction of these two canyons. The Water Canyon road is 14.4 miles west of Socorro on U. S. Highway 60. The mine is reached by traveling up the Water Canyon road a distance of 6.4 miles from the paved highway.

The topography of the Water Canyon district is very rugged; local relief varies up to 2,000 or 3,000 feet. The Buckeye mine is at an altitude of about 7,500 feet.

Annual precipitation amounts to about 14 inches with heavy snow falls during the winter months. There are good stands of pine as well as cedars and scrub oaks on the property. Some water normally flows in Copper Canyon.

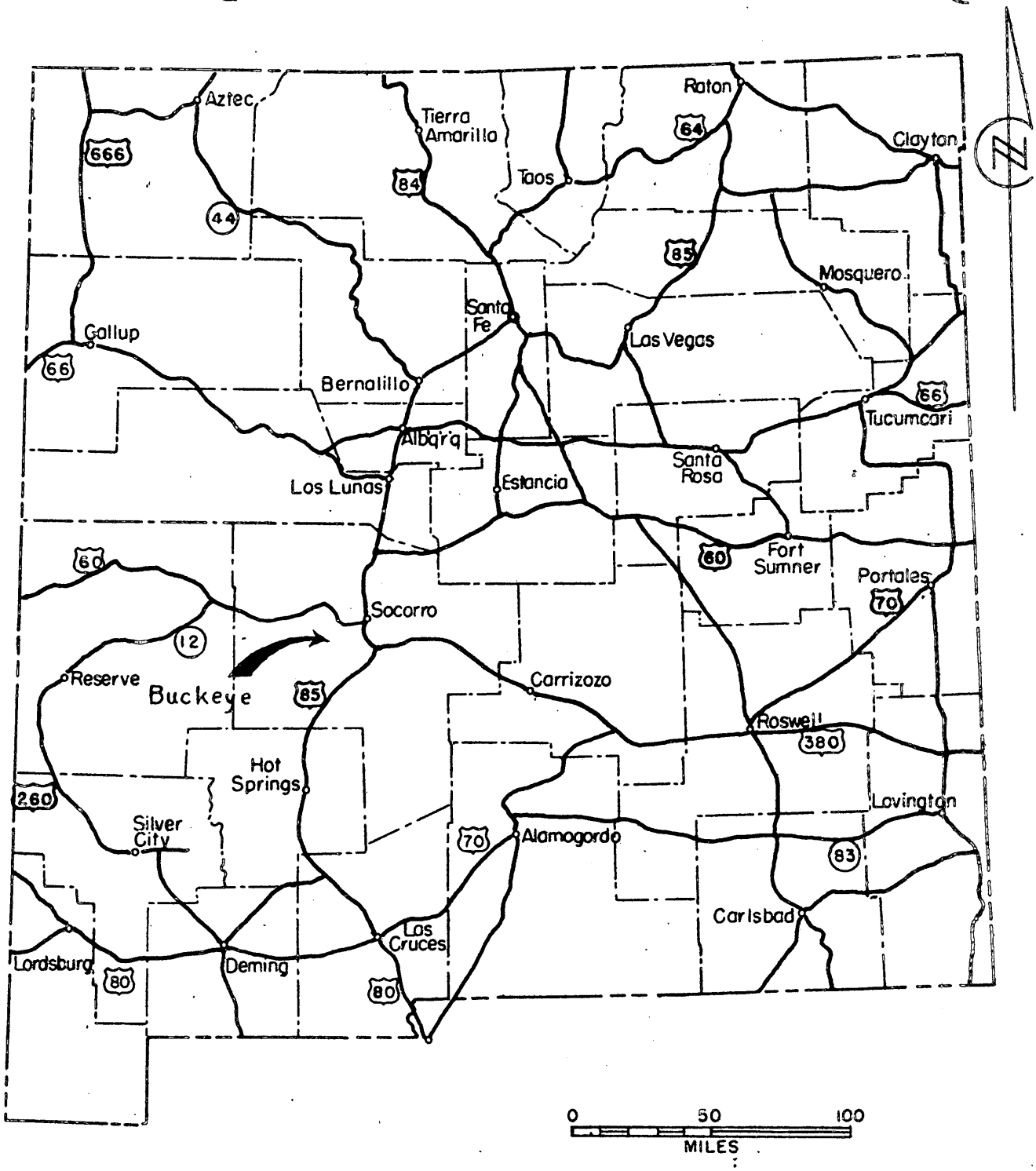

Fig. 1, Location Map of Buckeye Copper Mine,
Water Canyon District, Socorro Co.,
New Mexico
October 1951

D.M.A.-59X

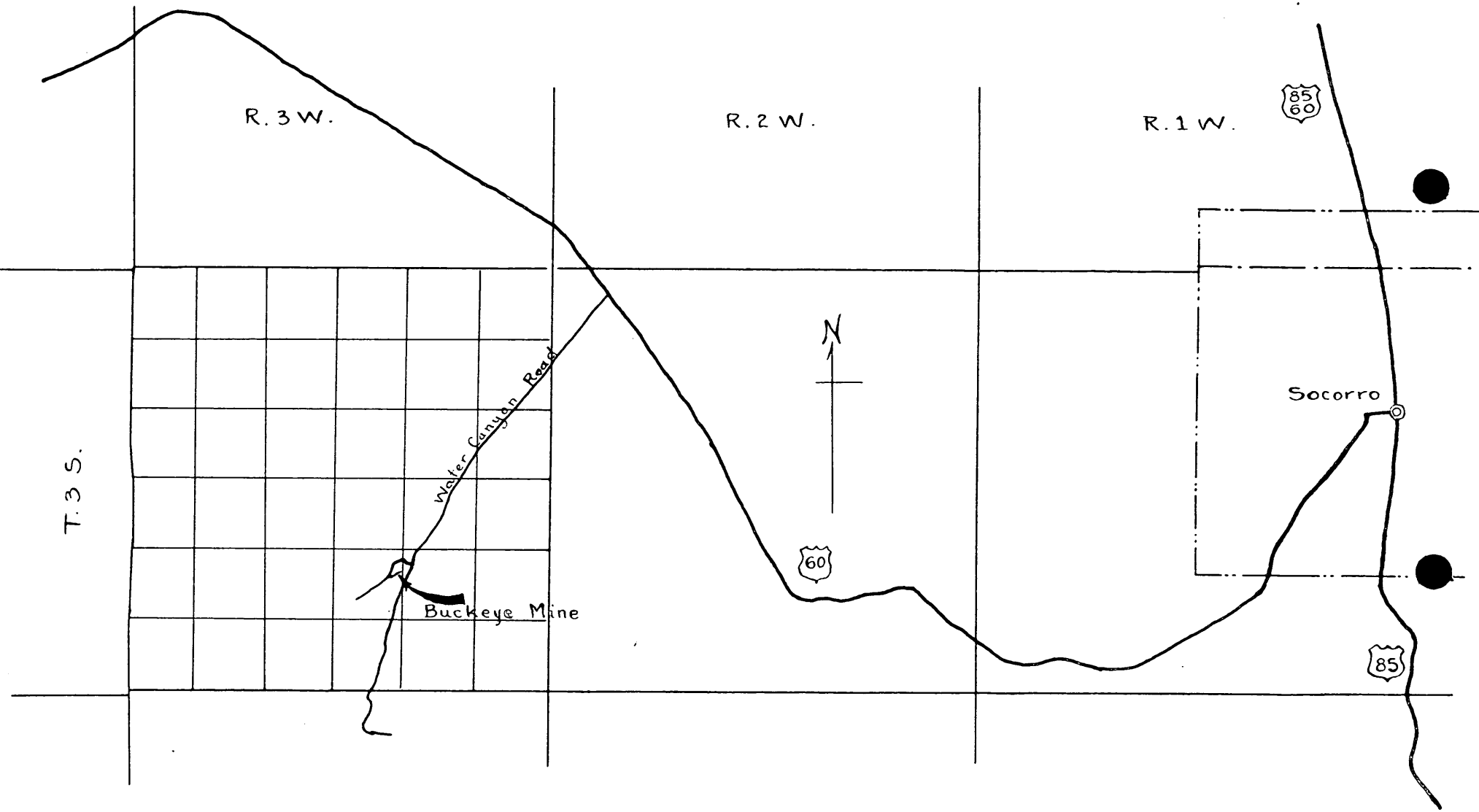

Fig. 2, Buckeye Copper Mine, Water Canyon District
Socorro County, New Mexico

D.M.A. 59 X

HISTORY AND PRODUCTION

The first claims in the Water Canyon district were located in 1868, more or less coincident with the mining activity of the Magdalena district. The presence of the "silver pipe" bed of the Lake Valley limestone on the eastern slope of the mountain probably stimulated interest and exploration in the Water Canyon district. This member of the limestone was closely associated with the principal ore bearing horizon in the Magdalena district.

Active work in the Buckeye mine was suspended in 1901 because of the reputed difficulty in handling water in the lower levels. Some work by lessees was done in 1907 and 1908. Four lode mining claims of the Buckeye group were patented in 1908. William Kemp sunk a shaft about 200 feet southeast of the Buckeye incline in 1917 and 1918, and is reputed to have shipped 2 cars of sulfide ore. Since that time the property has been idle.

Actual production from the mine is not known but Foy reports[1/] that two shipments of 15 tons each were made by Kemp in 1917. One shipment averaged 1.1 ounces of silver and 3.8 percent copper, and the other averaged 0.03 ounces of gold, 4.0 ounces of silver and 10.6 percent copper per ton of ore. Some ore from the Wall Street mine, adjacent to the Buckeye mine and on the same property, was treated in a small mill but it is doubtful if any production was effected.

1/ Correspondence on file in the office of U. S. Bureau of Mines, Silver City, New Mexico.

Some production from other properties in the district is known but the total is probably less than 200 tons of ore whose gross value is estimated at not more than $20 per ton. There are over 3,000 feet of accessible or known workings in the area.

OWNERSHIP AND EXTENT

There are 4 patented and 5 lode mining claims held by location in the Buckeye group. The patented claims were purchased by Foy from the New Mexico State Tax Commission on a tax deed, and suit to quiet title has been made. The property is owned by Vernon F. Foy of Albuquerque, N. Mex.

DESCRIPTION OF THE DEPOSITS

The Water Canyon district is underlain by westward dipping Mississippian and Pennsylvanian strata on a basement of pre-Cambrian argillite, overlain by Tertiary volcanic rocks, and intruded by basic and acidic dikes. Displacement by northward and eastward striking faults has resulted in many tilted blocks, causing a repetition of formations. This strong block-faulting has locally caused the attitude of the contact between the argillite and the overlying Lake Valley limestone to vary greatly from the regional strike and dip.

The succession of rocks at the Buckeye mine conforms to that of the district. The argillite is overlain by Lake Valley limestone and is in turn overlain by Sandia shale and LaMadera limestone. Dikes of monzonitic to quartz-monzonitic composition irregularly intrude these formations. Some basic and rhyolitic

dikes can also be found.

Mineralization occurs in the Lake Valley limestone at or near its contact with argillite or igneous rocks, and associated with fractures in the limestone oriented at some angle to the bedding. The ores in the limestone contain lead, copper, and zinc with minor amounts of silver. All the mineralization noted in the Buckeye mine was oxidized iron and manganese with rare malachite. Copper values in the stoped areas may be due to copper oxides and possibly to sooty chalcocite. Some vein material piled on the dump contained mostly pyrite with traces of azurite, malachite and chalcopyrite. This material probably came from the lower levels of the mine below the zone of oxidation and presently under water.

Another shaft about 200 feet southeast of the inclined shaft of the Buckeye mine is variously reported to be 155 feet to 300 feet deep. It follows a barren fissure in limestone for at least 40 feet vertically. The dump from this shaft is part limestone and part argillite. Mineralization in the limestone in this dump is very weak.

ORE RESERVES

There is practically no ore remaining in the accessible workings of the Buckeye mine. By inference the same statement can be made about the flooded portions of the mine. ?

PRESENT STATUS

At the present time there is no production from the mine. The applicant has cleaned out the inclined shaft and the underground workings above the water level. The workings are essentially in the same condition as when the mine was abandoned over 30 years ago.

PROPOSED EXPLORATION

The description of the proposed exploration program is contained in a letter to Vernon F. Foy, dated October 19, 1950, and signed by Thomas Edwin Smith, and in another letter by Smith addressed to J. H. East, Regional Director, U. S. Bureau of Mines and dated November 2, 1950, which in turn refers to the former letter. The letter of October 19, 1950 is a very verbose dissertation combining some psuedo-geology, scattered cost estimates, accounts of Smiths qualifications and experiences, and other miscellany. In a discussion in the field with Smith and Foy, and with the aid of some geologic cross-sections and a map prepared by Smith, it was possible to obtain a general idea of what the applicant's proposed program involved.

In general a drift to the southeast from the Buckeye workings penetrating the limestone beyond a fault presently exposed was the first step. Rehabilitation of the Kemp shaft with drifts from the bottom of it to the northwest and southeast was to be followed by raising, and sinking winzes along contacts of monzonite dikes with the limestones. The entire program is based on the geological

reasoning of Smith. There is some logic to this reasoning provided the formations are there. Judging by the amount of ore found in the past in relation to the extent of the exploration work involved, the prospect of finding any ore body is quite limited. In the course of the field discussion, Smith made a comment to the effect that if the first 60 feet of drifting to the southeast did not disclose ore he would be ready to give up the project. This either reflects supreme confidence in his diagnosis or a flat contradiction of the generally optimistic attitude expressed in his reports and other statements. It is quite unlikely that any sizeable ore bodies would be found by any of this work.

ESTIMATED COST OF THE PROJECT

The original estimate prepared by Smith totalled $33,203, although the request for the mining loan was for $35,000. The formal application for aid for exploration was for $50,000. This blanket increase was explained by the applicant to cover rising costs of labor and materials. The project and its cost as outlined is far tooambitious in view of the past history of the mine or of the district. It is indeed doubtful that sufficient ore to repay the cost of the preliminary 60 feet of drifting could be found.

CONCLUSIONS

It is quite apparent that the most likely horizon for ore deposition at this property has been thoroughly explored. There

is no positive information that important tonnages of ore have been produced or that unmined reserves of any consequence remain in the mine. The total known production of the district of less than 200 tons of ore valued at not more than $20 per ton produced from workings of more than 3,000 feet is an excellent measure of the capabilities of the Buckeye mine. Further exploratory work would be no more successful in locating ore bodies. Much more exploratory work has already been done than the consequent production has warranted.

The applicant is in no position to finance an exploration program on the scale proposed, nor of an even smaller one. He has been sinking a portion of his earnings as a railroad conductor into this work and that would be the extent of his participation unless he incurred private indebtedness

RECOMMENDATIONS

It is hereby recommended that the application for aid for an exploration program be denied because there is practically no ore in sight and the geologic probabilities of finding ore are very small.

FILE COPY
Surname:

DMA

Bowen
Adams
Mattendorf

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY
WASHINGTON 25, D. C.

OCT 15 1951

PEE 1404

My dear Senator Chavez:

This is in acknowledgment and reply to your letter of September 19, 1951 enclosing correspondence received from Mr. Vernon F. Fey, 1023 West Silver Avenue, Albuquerque, New Mexico, relating to his application, Docket No. [illegible].

Mr. Fey's original application dated November 2, 1950 and presented at the Regional Office in Denver, was for a production loan of $35,000 to develop and operate the Buckeye Mine in Socorro County, New Mexico. In a letter dated January 10, 1951 signed by Mr. S. H. Millisten, Director of the Supply Division, Mr. Fey was informed as follows:

"The application has now been reviewed with the conclusion that we cannot approve a loan for production purposes, but that the application may be set aside for reconsideration, if you so desire, as an exploration project at such time as methods and procedures for assistance in mineral exploration are completely formulated. That subject is under active consideration, and it is expected a program will be announced soon.

"The denial of a loan for production rests largely on the inadequacy of measured ore reserves, and the lack of convincing evidence as to indicated (probable) reserves."

The exploration program was put into effect in April, 1951, and Mr. Fey was sent the necessary information and forms for an application for aid for an exploration project. The completed forms were received by the Defense Minerals Administration on May 28, 1951 and referred to the Copper Branch of the Supply Division for processing. At that time so many applications had been received as to make delays unavoidable.

On July 18, Mr. Fey's application was referred to the DMA Field Team of Region IV for further investigation. This Field Team has to cover a very large and rugged area which includes some of the

RETURN TO THE SURNAME OF [illegible]

BUREAU OF MINES
WASHINGTON, D. C.

OCT 16 11 44 AM '51

largest and most important mining regions in the United States. It has also the greatest number of properties to be investigated under the Defense Production Act and I am sure any delay involved in the examination of Mr. Foy's property could be attributed to these facts. The report of the Field Team has not yet been received in Washington so it is not possible at this time to review their findings.

Mr. Foy was correctly informed concerning the financial operation and administration of the exploration program. It is true that the applicant must bear a certain share of the cost of an exploration project and that no Government funds are made available to the applicant as operating capital or for other purposes at the start of operations. The Government shares the cost by reimbursing the applicant for the agreed percentage of his expenses, but the applicant must be in a position to furnish the capital necessary for the first month or two of operation. At the end of each month he submits his cost account to the Government and is then reimbursed for the Government's share. Experience has not yet been long enough to say how long it will take to pay the vouchers. Every effort will be made to pay promptly but it may take as much as a month.

The Defense Minerals Administration exploration program is not literally a "grubstaking" program in the sense generally understood by prospectors. For one thing, as Mr. Foy notes, funds are not advanced. But it is better than grubstaking in that the Government does not acquire a share or ownership in the property, as the old grubstaker did in case of a successful venture. The Government, at most, will get back no more than it puts into any given project. In case of failure it will have no lien on the property.

It is also true, as inferred by Mr. Foy, that the use of exploration funds on Government assisted projects whose objectives is to increase ore reserves is limited to necessary items directly connected with the project. Such funds cannot be used for the purpose of producing ore from known reserves, for the preparation of such ore for mining, or for other purposes for which production loans should be applied. In certain instances, an applicant may have a small amount of commercial grade ore which is insufficient to justify the production loan applied for. In such a case, mining or mine development may be carried on simultaneously with an exploration program but Government funds cannot be used for production unless they are specifically set aside for that purpose. The reason for this is that a production loan requires a lien on the entire property until repaid, and is repaid from operating profits, while exploration aid is repaid on a low royalty basis and only from ore discovered and developed by the exploration project, and then only if production occurs within a period of ten years.

With reference to Mr. Foy's question about manganese in the Magdalena District, we know of no feasible method by which manganese could be recovered from such low grade ore. If Mr. Foy and Mr. Smith should discover richer ore in the area, as implied in Mr. Smith's letter of August 14, 1951, then it could perhaps be sold to General Services Administration as indicated by the letter from the Bureau of Mines dated August 30, 1951. Some manganese ore was produced in that district and sold to Government stockpiles during World War II.

As you have requested, we are returning Mr. Foy's correspondence for your files. If we can be of further assistance please do not hesitate to let us know.

Sincerely yours,

(Sgd.) Oscar L. Chapman

Secretary of the Interior

Hon. Dennis Chavez
United States Senate
Washington 25, D. C.

Enclosure

JBCowan:rw

Copy to: Administrator's Reading File
Deputy Administrator's Reading File
Executive Officer, DMA Field Team IV
Mr. Lyon
Copper Branch
Files-DMA Docket

October 7, 1944

Mr. V. F. Foy

Box 878, Albuquerque, New Mexico

Dear Sir:

On Wednesday, September 27, in company with you and Professor A. D. Hahn of the New Mexico School of Mines, I visited your Buckeye mine which is situated at the junction of Copper and Water Canyons in the Magdalena Mountains. A paved highway leads from Socorro to Magdalena, New Mexico, and about eight miles out, is Water Canyon, a station on the Magdalena Branch of the Santa Fe Railway. Near this station there is a gravel all weather road running nearly South up Water Canyon Creek. The Buckeye Mine is a little more than five miles up this road. There has been little travel on this road this season, but it is still in good shape, except for a few rough spots where cloud bursts have done some damage. Near the mine, one short bridge needs to be rebuilt, a job that might require two or three days work.

THE MINE

The Buckeye Mine has a report of past production but has not been worked since 1901. A report says on account of water. I dropped several rocks down the shaft to determine its depth but we heard no splash, only the dull thud of a rock striking soft mud in the bottom.

We examined a slope driven on an angle of about 50 degrees from horizontal, which is accessible down for about 80 feet. Rocks rolling down the slope has choked it just above the second level. Down this slope about 30 feet is a drift running to the right on the vein, which we sampled twice and found the values in gold and silver, but not enough to warrant working. There is one shaft about 60 feet deep and another one about 300 feet deep. The timber is rotted and fallen in so the shafts are not accessible.

THE ORE

On the level space near the mouth of the slope are two piles of ore which, I was told had been thrown aside while sorting the ore sent to the smelters years ago. It is a quartzpyrite about one-half secondary and shows abundant copper. Professor Hahn took a grab sample from one pile, and this sample when assayed showed the ore to be worth $5.00 per ton over and above all deductions, haulage, freight and smelter charges. I picked a sample from the same pile trying to sort out shipping copper ore and the assay showed this hand picked ore to be worth $16.00 per ton over and above all deductions, haulage, freight, and smelter charges. In my calculation, I figured copper at 12¢ per pound, disregarding any possible premium payments. I conclude that there is shipping copper ore to be found at depth, how great is the body of ore can not be determined at this time. However, if it is even one foot in thickness it can be mined without loss.

two slope cars, 800 feet of mine rails, 250 ties. A half dozen shovels, three picks, some axes and saws. A cabin will be needed to protect equipment and supplies.

My estimate of the cost would be as follows:

Foreman's salary	$ 250.00
Wages of two men	216.00
Payment on the hoist and cable	100.00
Rails and Track Spikes	120.00
Hand Tools	30.00
Workmen Compensation Premium	125.00
Lumber and haulage	120.00
Total	$ 961.00

I would suggest that you have $1200.00 before you started work in case something unforseen occurs.

After the slope is cleaned out, you can examine the mine workings and make your plans for the future, in the light of what you learn from your examination and samples.

I recommend it without any reservations.

Respectfully submitted,

(Signed) Thomas Edwin Smith

Placitas

New Mexico

October 7, 1944

Exact Copy of one in my files. [illegible]

REPORTS AND RECORDS

OFFICE OF
UNDER SECRETARY

UNITED STATES
DEPARTMENT OF THE INTERIOR
WASHINGTON

SEPTEMBER 20, 1951

MY DEAR SENATOR CHAVEZ:

IN SECRETARY CHAPMAN'S ABSENCE I SHOULD LIKE TO ACKNOWLEDGE YOUR LETTER OF SEPTEMBER 18 REGARDING CORRESPONDENCE RECEIVED FROM MR. VERNON F. FOY OF ALBUQUERQUE, NEW MEXICO.

YOUR LETTER WILL BE BROUGHT TO SECRETARY CHAPMAN'S ATTENTION UPON HIS RETURN TO THE CITY.

SINCERELY YOURS,

(Sgd.)

R. D. SEARLES
UNDER SECRETARY

HON. DENNIS CHAVEZ
UNITED STATES SENATE
WASHINGTON 25, D. C.

M:SHOOSHAN:AKL

CC: SECRETARY'S OFFICE
READING FILE
MR. SEARLES

WASHINGTON, D.C.
SEP 21 3 58 PM '51

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BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.

1404

DENNIS CHAVEZ, N. MEX., CHAIRMAN
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United States Senate

COMMITTEE ON PUBLIC WORKS

September 19, 1951

INTERIOR DEPT.
☆ RECEIVED ☆
SEP 20 1951
☆ OFFICE OF ☆
THE SECRETARY

INTERIOR DEPT.
SEP 20 1951
U-920.2
UNDER SECRETARY

NOTED:
H. M. S., JR.

INTERIOR DEPT.
SECRETARY'S
MAIL CENTER
SEP 20 1951
RECEIVED

Honorable Oscar Chapman
The Secretary of the Interior
Washington, D. C.

Dear Mr. Secretary:

Enclosed herewith is correspondence received from Mr. Vernon F. Foy, 1023 West Silver Ave., Albuquerque, New Mexico, which is self-explanatory.

INTERIOR DEPT.
SECRETARY'S
MAIL CENTER
SEP 21 1951
FORWARDED TO

I would appreciate having your comments on the question and the return of the correspondence for my files.

Sincerely,

Dennis Chavez

Dennis Chavez, U. S. S.

INTERIOR DEPT.
SECRETARY'S
MAIL CENTER
SEP 21 1951
PREPARE DRAFT
OF REPLY

DC:FB:S

Enclosures

SEP 21 3 58 PM '51
ADMINISTRATION
WASHINGTON, D. C.

Albuquerque, N. M.
September 15, 1951

Senator Dennis Chavez,
Senate Building,
Washington, D. C.

Sir:

I am writing you in two instances, First the DMA loan and assistance program, and Second, the hardships, miners and propsectors incur when they try to find out what our government need and expect of us.

I will discuss the first phase, the Defense Minerals Administration, which organization as I understand it was set up by an act of Congress to secure critical minerals for our war and defense effort. The primary needs of the small mine operator or prospector is capital and some times technical advice. We, will take the capital side first and explore its features. I made application for an exploratory loan in October 1950. I used the schedule pay rates, which at that time in the Magdalena district was, $6.50 per day, 8 hours. One item that is needed anywhere mining is done, a compressor. The cost of this compressor used was $1250.00. The wages now are, $12.00 per day, the compressor $3500.00. With all the red tape, details etc., so forth and God knows there was a plenty my application reached DMA in Washington and recived a number DMA 59.

This last Thursday, September 13th., The DMA Engineer made an examination of this property. We, went over it with a fine tooth comb. When finished, Mr. T. E. Smith my Superintendent, and myself started asking questions and receving no answer, which he said was strickly against the rules all information would have to come from Washington. However, he asked many questions, which we tried to answer. One of them just how much I had spent down there since, Mr. Smith was on the property, I told him, I had the figures to show that I spent, over $5000.00 in other words I had spent, in cash, the sum of $4500.00, That my two sons and myself and friends of both had worked down, and Mr. Smith said a fair estimate would be, $1000.00. He admitted the work showed it. Now he said when the application was made it was some little over, $35,000.00 later, Mr. Foy wanted,$50,000.00. I explained the increase of cost of labor and machinery made the difference. That over one year had elasped since the first estimate,was made, he thought the increase was not enough, it is not enough now.

A year from now it will not be in sight if things keep going up.
This part of the story can be worked out.

The death blow or knockout punch is this: He advised me that the government did not set up a cash account, but handled it in this manner. I would pay all the bills for the work, machinery, etc. Than file a fincincial statement, and when it was checked and doubled checked in Washington, the government would re-imburse me for one-half of the total cost. In this case I would put up $12,000.00 or three months money by his estimate of time for the DMA to do the checking, and then they would come along and assume one-half in this case, $2,000.00 for the first month and so on. Another thing, none of this money can be used for getting out ore, pumping or doing any mining what so ever. Just sinking or driving a tunnel. My application included sinking the main shaft 120 feet to interset the rich sulphide ore expected to be found down there. How can you sink a shaft when water stands over 50 feet in the shaft now. You might have your wife to draw it out with a bucket, but she might rebel. I asked him (the Engineer) how much ore did he think I had that could be mined, he could not answer that question. If think that I have, between, 300 and 500 tons of shipping grade that averages around 4% copper.

This proposition is a good deal for Anaconda, Chino, A.S.&R. How do you figure it will help, Foy and over 500 more in your state. The large companies are going to do this exploratory work any way, and if they fail to find ore, then they can stick the government for one-half of the loss.

If our country is as hard up for minerals like we have here in this state your state and mine. Why can't I use some of this labor and machinery to get out the copper ore that I have ready, along when I drive another few feet in the tunnel. Why cna't I use some of it to buy a pump and pump the water when I am sinking the shaft. Out of all this information, which we never heard of before can't we have another deal, where we can get the money first: Use what is needed to get out the ore, and the balance to explore.

no ore ready!

Dr. James Boyd, said this was a grub stake much better than the old times. Well here back in 1926, 5 of us went in Sam Woo store in Winslow, Arizona, and asked him to grub stake a little, Sam gave us $100.00 worth of groceries, and then gave us $250.00 in miney. Do the two sound similar. We, lost, Sam, I lose too.

In Professional Paper No. 200, by Dr. Laughlin, whic is the bible for the Magdalena District, he mentioned, Dentric Manganese in all the oxidized ore in small quantities. This manganese ore in fine ground up portions give high assay values, but we do not know how it can be separated from copper, lead, zinc and other ore of the district it is associated with. We, had the C.F.I to run this analysis and advise us the best they could. However, they could not answer our question, but with this ore so critical, we thought the U. S. Bureau of Mines would be interested enough, to at least ask more questions. There reply is very explanatory. All we got to do is mine it, mill and ship to the purchasing agent at Deming. If we lose $10.00 or $15.00 per ton, that is our hard luck. The final results will be that the ore will be shipped to Elpaso smelter and gone over the dump. I would say that one-half of the ore mined in this district is of this calibert. If the district is mining, 10,000 tons per month, with manganese ore of 5 or 6% means something.

I am not writing this letter to you to snipe at our government officials in Washington, but just trying to bring about a fair deal, that someone can do something. I don't even know if the DMA considers my application of any importance, but somebody will have to mine this ore if we have any mineral. I would rather see 2 hombres working in a mine in our state than see 500 in Africa.

I am just one person and do not amount to much when we condider the entire country, but we are only a collection of several persons. What hurts me hurts my neighbor.

Thanking you for the many past favors, I am

Yours very truly,

/s/

Vernon F. Foy
1023 West Silver Ave.,
Albuquerque, N. M.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

224 New Customhouse
Denver 2, Colorado

August 30, 1951

Mr. Thomas Edwin Smith
Magdalena, New Mexico

Dear Mr. Smith:

This will acknowledge your letter of August 14, 1951, directed to Mr. J. H. East, Jr., Regional Director, and concerning the manganese at the Buckeye Mine, Socorro County, New Mexico.

The sample you sent has been examined and is a siliceous manganiferous material that contains very little, if any lead.

The General Services Administration will open a manganese purchasing depot at Deming, New Mexico when plans are prepared. Miners who wish to sell manganese to the Deming depot should notify Mr. Otto G. Klein, Regional Direcotr, General Services Administration, Building 1-C. Denver Federal Center, Denver, Colorado of their intentions to participate in the program before September 15, 1951.

It is suggested that you notify Mr. Klein of your intentions and when the depot is in operation, you might submit a sample of your ore for consideration.

Yours very truly,

W. H. King for
P. T. Allsman, Chief
Mining Division, Region IV

Magdalena New Mexico COPY

Tuesday August 14, 1951

Mr. J. H. East, Regional Director

Bureau of Mines

Denver Colorado

Dear Mr. East:-

This is to bring to your attention a possible source of manganese/

In the Buckeye Mine, Socorro County New Mexico, manganese occurs in contact with old mine workings and in many mineralized openings. In one bPlace, more than six feet of brownish black vein matter is adjacent to a worked out area. I am not able to say how much there is, or what grade could be produced/ In fact I am not equipped to evaluate the deposit.

It is evidently a deposit like that of other ores. All openings are adjacent to one or another of the white dikes. (usually yellowish in the mine.) I assume the manganese is a primary constituent of the dikes. On joint faces or cleavage planed, dendric crystallization is characteristic. On the low side of one of the long whited dikes that have not been prospected, a Van Dyke Brown clay is conspicuous in three or four coulees. Whether or no it comes from a mineralized zone adjacent to or included in the white dike I am not prepared to say.

Considerable of the brownish black material is outside on the dump. I screened several pounds through a 16 mesh screen and saved the over size and the large hard lumps in two other containers. I brought the fines home to pan in the gold pan. When I put water on to wet the material before starting to pan it, there was much turbidity. I poured off much of the turbidity. . I attempted to filter it through cloth. Most of the brown material went through the cloth. I decanted an and dried it and I am sending you a tabacco can of the dust.

Panning did not seem to be effective as a separating method. The material that went over the edge seemed remarkably similar to the material that remained behind. Both contained much grainy material The grains were hard, white and much larger than the black material. The fine brown material did not feel grainy. It was soft, smooth and it stained my hand. I suspect it is high manganese, a sort of Wad.

I collected a sample once and had analyses made by C.F. and I C^{O} Results are as follows:-

Gold	0.002 oz	
Silver		trace
Copper		trace
Iron		5.3%
Manganese		5.1
Phosphorus		0.004
Silica		47.50
Alumina		6.9
Barium		none
Sulphur		0.2
Lime		10.7

This came from a narrow opening in the limestone that had been worked upward about six feet and downward perhaps four feet. It was not more than two feet wide anywhere. I was looking for copper.

I have never paid much attention to manganese for it is damnable stuff to handle. But if it should to be of good grade anywhere or <u>if</u> any one should develope a method of concentrating the stuff, we might have some. It needs the attention of some one who knows more about it than I do. I may get over to that long white dike and fellow the Van Dyke brown stuff to see if it is vein material.

The great thing about it is this;- <u>if</u> we can find a good grade, the possibilities are great. The contact of Kelly lime and whitedikes will be measured in miles rather than feet. If it is any go good at all it might turn into something great.

It might pay to turn one of your technicians loose on it. I can give him bed and board while he is smelling around and I can give him n an accurate geological map to work from. I am,

Yours very truly,

Thomas Edwin [illegible]

REGIONAL DIRECTOR'S
OFFICE
REGION IV
JUL 20 1951
BUREAU OF MINES
DENVER, COLORADO

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

JUL 18 1951

Mr. J. H. East, Jr.
Executive Officer, DMA Field Team
224 New Customhouse
Denver 2, Colorado

rec'd 7-27-51

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Docket No. 59X

Commodity Copper Branch

Applicant Mr. V. F. Foy, Box 878, Albuquerque, New Mexico.

Please expedite the consideration of this application with particular reference to the points raised in the attached "Review."

Very truly yours,

Tom Lyon
Chairman
Coordinating Committee

Lowell B. Moon
For Bureau of Mines

Clay T. Roy
For Geological Survey

FILE COPY
SURNAME:

Gowen
Tom Lyon

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

JUL 18 1951

Re: Docket No. [illegible]-593

Mr. V. V. Roy
Box 578
Albuquerque, New Mexico

Dear Mr. Roy:

This is to inform you that your application for aid for an exploration project has been referred to the field team for further study. You should hear shortly from Mr. J. D. East, Jr., Executive Officer, DMA Field Team, 224 New Customhouse, Denver 2, Colorado.

Very truly yours,

Tom Lyon

Tom Lyon, Director
Supply Division

JVAlt:cz

Copy to: Executive Officer, DMA Field Team IV
Reports & Records Branch
Administrator's Reading File
Coordinating Committee
J. B. Gowen, Rm 2612
Charles J. Johnson, Rm 3425
D. MacLaren
Files

FILE COPY
SURNAME:

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

June 18, 1951

Mr. Vernon F. Foy
Post Office Box 876
1023 W. Silver Avenue
Albuquerque, New Mexico

Subject: DMA-59X
Re: Exploration Loan -
Buckeye Mine

My dear Mr. Foy:

Receipt is acknowledged of your application and attachments of May 21, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-59X and referred to Mr. J. B. Gowen, Chief, Copper Branch on May 28, 1951.

In any future correspondence relating to your application, kindly refer to DMA-59X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel jc
Executive Secretary

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

FILE COPY
SURNAME:

J. B. G.

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

May 2, 1951

Re: Docket No. DMA-59

Mr. F. V. Foy
Box 878
Albuquerque, New Mexico

Dear Mr. Foy:

This is to acknowledge your letter of April 23, 1951 pertaining to government aid to help you purchase the necessary equipment to get your mine in production.

Since Mr. Lyon's letter to you on April 4, 1951, the Defense Minerals Administration has put into effect a program for assisting exploration projects which we thought might be of interest to you.

For your information we are enclosing a copy of a press release dated April 11, 1951, a copy of pertinent regulations MO-5 and one set each of Forms MF-100 (General Technical Data) and Form MF-103 (Application for Aid for an Exploration Project).

We wish to thank you for your interest in the copper program.

Very truly yours,

J. B. Gowen

J. B. Gowen, Acting Chief
Copper Branch

Enclosures

JWAlt:bsl

Copy to: Executive Officer, DMA FT, Region IV WCI
Executive Secretary WCI
Copper Branch WCI
Files

Dma 59

856

~~LANDON F. STROBEL~~
Bowen
answered 5/2/51
JBB: bsl

Albuquerque, N. M.
April 23, 1951.

Mr. Jas. K. Richardson,
Defense Minerals Adminstration,
Department of Interior,
Washington, D. C.

Dear Mr. Richardson:

I ask as a personel favor that you review my file in your department under, DMA # 59. I have filed complete geology reports, costs, maps etc., through your Denver office, and I have received notice that they are in the files of your office.

I think that you know me well enough not to question my motives in this matter and that is get my copper mine into production. I have many contacts with private capital, but all of them think the government should take the first step if minerals are needed as bad as we think.

You will find that there has been some, $35,000.00 for work done on this property that past 10 years. I spent over, $2,900.00 down there last year, besides what was done by myself and my two boys. I have had several good Engineers estimate this work, I might name two of them. Jack Pierce and Wm Long, and they will estimate the work done would be better estimated at 8 to $10,000.00 as all the work done by Mr. Smith was on a percentage basis and not cash.

I am sure if I could get enough money to buy the necessary machinery and small pay roll, I can get out 300 tons of shipping grade ore, and do a great amount of development work. I need a compressor of 235 or 310 capacity, a larger hoist, an air pump with equipment, and pipe. I can buy a good used compressor here in Albuquerque. I think I can get the other at ElPaso.

Thanking you, I am

Yours very truly,

V. F. Foy

V. F. Foy
~~Box 878,~~
Albuquerque, N. M.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 2 51951
LANDON F. STROBEL
Executive Secretary

FILE COPY
SURNAME:

Johnson
Brown

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

April 4, 1951

Re: Docket No. DMA-59

Mr. F. V. Foy
Box 878
Albuquerque, New Mexico

Dear Mr. Foy:

Your letter of March 22, 1951, asks if the Defense Minerals Administration could have the Bureau of Mines do some diamond drilling on your copper property. This is a matter that does not come within the authority of the Defense Minerals Administration and I suggest that you take it up with the Regional Director of the Bureau of Mines, Mr. J. H. East, Jr. His address is 224 New Customhouse, Denver 2, Colorado.

The Defense Minerals Administration expects shortly to put into effect a program for encouraging exploratory work on deposits of critical and essential minerals. The enclosed press release, dated February 20, 1951, describes this program in a general way. We shall be pleased to send you the regulations and application forms when they are available, if you so request.

Very truly yours,

Tom Lyon

Tom Lyon, Director
Supply Division

Enclosure

CHJohnson:pf

Copy to: Executive Officer, DMA Field Team, Region IV,
224 New Customhouse, Denver 2, Colorado w.c.i.
Executive Secretary w.c.i.
Copper Commodity Committee w.c.i.
Files

Copper = 59

B 24

~~LANDON F. STROBEL~~
~~Land Legal~~
C.H. Johnson

Albuquerque, N. M.
March 22, 1951.

answered
4-4-51
CHJ:ef

Mr. S. H. Williston, Director
Supply Division,
Defense Minerals Adminstration,
Washington, D. C.

BUREAU OF MINES
WASHINGTON, D.C.
MAR 26 2 12 PM '51

Dear Sir: Refer-Docket No. DMA-59

I would like to know if it is possible for your department to have the U. S. Bureau of Mines do some diamond drilling on my copper property. You have all the reports, maps, etc., in your files.

If a program of this nature could be done, and the geology was right, I am sure that I can raise private capital to place this mine into production. The Bureau has several times shown a willingness to do this work, but something always prevents them going ahead with the work.

Thanking you, I am

Yours truly,

V. F. Foy
Box 878
Albuquerque, N. M.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 27 1951
LANDON F. STROBEL
Executive Secretary

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA-59 X

Date received 5/28/51

Participation

V. F. Foy,
Box 878
Albuquerque, N. M.

Name and address of applicant

Date May 21, 1951.

FILL IN THIS BLOCK

Date of application May 21, 1951. November 1950.

Estimated cost $50,000.00

Mineral or metal Copper and Zinc

Percentage of Government participation 50%

Location of mine Magdalena, N. M.
Socorro County.

Date of filing MF-100 November 1950.

DMA Docket Number, if available DMA-59 X

INSTRUCTIONS

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

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property. None.
7. If lessee, attach a copy of the lease and state if it is in good standing.

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? 50% in wages and material

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

16—64067-1

THE PROPERTY

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

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

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:
    (*a*) If mine is in production, furnish the following information:

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

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

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

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

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

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

THE REQUIREMENTS AND COSTS

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

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent. See attached sheet.

CERTIFICATION

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

(Name of company)	By [signature] (Signature of authorized official)
May 21, 1951 (Date)	Owner (Title)

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

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

12.00 wages? 10.00 wages? 23 chargeable to project? prepare monthly reports.

a- Labor---2 miners. 2 muckers. We, will furnish Foreman, Auditor, and Manager.

b- 2 Supervisors, we will furnish. chargeable to project?

c- $500.00 to repair and lay new track.

2-12x24 How many, what cost?

d- $3000.00 for new buildings to house Supervisor and Machinery, Quansot Huts.

e- $7500.00 for 235 CMF compressor and drilling equipment.

1500.00 for Pumping equipment, I have enough pipe to hoist water to surface.

f- None here for rent, perhaps I can rent equipment in Denver, Colo. what to rent?

g- Will furnish all that I have on the property without cost.

H- I will need pipe cutting tools. I have the balance of small tools.

I- Power line being built across the mine dump, not finished, REA. Will have to use Deisel or gasoline power at present.

24

I should be able to drive enough tunnels to explore the center block in 3 months. at a cost of $2500.00 in labor and materials.

I should be able to pump out the water in the lower levels in 3 months and at the same time sink a distance of 50 feet at a cost of 3750.00.

I these two operations we should be able to find enough ore to pay off all the debts.

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 59X

Commodity COPPER

Total Amount $50,000.00

Govt. Participation $25,000.00

1. Name and Address of Applicant V. F. Foy Box 878 Albuquerque, N.M.

2. Location of Property Magdalena, Socorro County, N.M.

3. Mineral or metal COPPER Is it listed in Section 9 of MO-5?

Yes If not, application will be rejected.

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

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

a) Good

b) Poor

c) None

d) Don't know—needs field examination ✓

e) Is there an alternative and favorable project?
(If so, attach an explanation)

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

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

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

productive period? —

*question numbers are those of MF-103

7. Are subordination agreements necessary? No

a) MF-201? —

b) MF-202 —

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

a) Available manpower Yes

b) Equipment and supplies DOES NOT MENTION EQUIPMENT ON HAND.
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Yes

d) Water (question 13)* Yes

e) Power (question 13)* Yes

Is a field check needed on any of these points? Yes b)

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* DOES NOT STATE HIS QUALIFICATIONS

Is a field check needed on this point? Yes

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

a) Is the project adequately described? No

If not, are there sufficient data given so that you can describe the project? No If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? No

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

If not, what part of it is?

10a. From what can be gained from Rogelio, it seems that the applicant wants to substitute the Kemp shaft, extend a drift 240 ft from the Kemp shaft S 55° W until a possible ore body, drive some cross and pump out some more water for exploration.

Is this part a worthwhile exploration project? —

d) Are the cost estimates detailed? No

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? No If so, attach a draft.

e) Are the cost estimates reasonable? No ?

f) Should more information be requested from applicant? Yes

g) Is a field examination necessary to complete Exhibit A? Yes

11. Exhibit B (question 23-d)*

a) Is it applicable? Yes

b) If so, are sufficient data furnished? No If so, attach a draft.

c) Is a field check needed? Yes

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

a) Is it applicable? & APPLICABLE f&g NOT

b) Sufficient data? No If so, attach a draft.

c) Are rents and charges reasonable? NOT RENTING

d) Is a field check needed? Yes

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

a) Are there sufficient data? No

b) Is the schedule adequate for the work proposed? No SCHEDULE GIVEN

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

d) Are the proposed wages and salaries reasonable? QUOTES NO SALARIES

e) Is a field check needed? Yes

14. Exhibit E (question 23-c)*

a) Is it applicable? YES

b) Sufficient data? NO

c) Reasonable? CAN'T TELL

d) Field check needed? YES

15. In your judgment, can the proposed work be done in the proposed time? NO TIME GIVEN

(All exploration must be completed within two years)

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

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Estimated cost of drilling, assaying and adapting existing ... Check is needed on cost of materials & equipment. Does not mention water said that he wants to put up his own ... There is no evidence shown for the need of $50,000.

If prospect is a good one, F.T. should try to assist Applicant in laying out and submitting revised application for definite explor. project — probably a much smaller one than this

Reviewed by: [illegible]

[illegible]

[illegible]

Date 7/16/51 [illegible]

97692

May 2, 1951

Re: Docket No. DMA-59

Mr. F. V. Fay
Box 878
Albuquerque, New Mexico

Dear Mr. Fay:

This is to acknowledge your letter of April 23, 1951 pertaining to government aid to help you purchase the necessary equipment to get your mine in production.

Since Mr. Lyon's letter to you on April 4, 1951, the Defense Minerals Administration has put into effect a program for assisting exploration projects which we thought might be of interest to you.

For your information we are enclosing a copy of a press release dated April 11, 1951, a copy of pertinent regulations MO-5 and one set each of Forms MF-100 (General Technical Data) and Form MF-103 (Application for Aid for an Exploration Project).

We wish to thank you for your interest in the copper program.

Very truly yours,

J. B. Gowen

J. B. Gowen, Acting Chief
Copper Branch

Enclosures

JWAlt:bal

Copy to: Executive Officer, DMA FT, Region IV WCI
Executive Secretary WCI
Copper Branch WCI
Files

Albuquerque, N. M.
April 23, 1951.

Mr. Ja. K. Richardson,
Defense Minerals Administration,
Department of Interior,
Washington, D. C.

Dear Mr. Richardson:

I ask as a personel favor that you review my file in your department inner, DMA#59. I have filed complete geology reports, costs, maps etc., through your Denver office, and I have received notice that they are in the files of your office.

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You will find that there has been some, $35,000.00 for work done on this property that past 10 years. I spent over, $2,900.00 down there last year, besides what was done by myself and my two boys. I have had several good Engineers estimate this work, I might name two of them. Jack Pierce and Wm Long, and they will estimate the work done would be better estimated at 8 to $10,000.00 as all the work done by Mr. Smith was on a percentage basis and not cash.

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Thanking you, I am

Yours very truly,

/s/ V. F. Foy

V. F. Foy
Box 878
Albuquerque, N. M.

COPY

~~WINSON F. STROBEL~~
Mr. Gamer
dma. 59 X

Albuquerque, N. M.
May 31, 1951.

Mr. J. B. Gowan,
Chief Copper Division,
Washington, D. C.

DMa-59

Dear Sir:

I have enclosed you form MF 103 with attached sheets, which I hope are as nearly correct as possible for me to make out.

If you will go over the proposed work as outlined in Mr. T. E. Smith letter to me dated October 19, 1950, which has been followed to date. I went down to the mine on my vacation, May 1st., and hired to additional miners and we drove through the limestone wall in the Southeast drift thinking we would encounter a dike, but was surprised to find a leached zone. We began to sink to the old water level, but I ran out of money before this was completed and had to lay off the miners. We, believe at a depth of 15 or 20 feet below tunnel level, ore should be found. We, base our expectation on the large leached area above.

In order to perform all the necessary assessment work. (It has been completed and recorded) we, had to do some additional work on the unpatented claims. We, located an old water course above a tunnel 60 feet, and sank on that and found a good, coppper vein at 15 feet. This vein dips to the West so we will have to cross-cut in the tunnel a distance of 60 feet to hit it. We, decided to assist the miners in the other work.

what claims are? where located?

It is our belief now that the sinking in the leached zone will bring zinc instead of copper. This is a zinc country and we are directly across the divide from the Lynchburg Mine of Empire Zinc Company.

why?

The water has gradually receded the past 2 years, and the last 6 months had dropped some 5 feet. So it is our conclusion that not much flow is coming in. The reason that I wish to pump out the lower workings is the fact that I have no evidence of what is below, except verbal and not to much of that. However, Mr. Trost, past owner in 1918 said that in the large vertical shaft, there was a good ore body of Bornite copper. On the dump some years ago there was good copper ore that has not been found above the water level. I have one vein that dips into the water that is showing now that has good sulphide ore. If I get a compressor large enough to handle 2 guns and an air pump the men can do all the work at the same time. Mr. Smith can handle the pump and also supervise the other work with as good miners as I had last week. These men know all there is about mining in this district.

check dump

pumping by air? size of pump

I have three large companies that are interested in the property, and will take it over when I can develop some new ore. I think with a little help from your department this can be done. Anyway it is a gamble worth considering.

I spent over $3000.00 down there this year and the work speaks for it self. Much of this other work was given. The mine is in good condition. I have the incline shaft cleaned out to water level, with track down and a small hoist. I have erected a hoist over the Brown shaft so we can lift the ore out of the Pierce stope from it. This will be a good place to bring the water out.

The property has been surveyed in its entirety. All the trails are made and levels taken. This property is two old mines, and one old prospect, 9 claims and 180 cares of land. The road from the mine to the paved highway is in good condition. I can lease a ramp cite from the Santa Fe and load the ore 6½ miles from the mine. I can get mine cars when needed as I work for this railroad.

I would like for you have the property examined and as soon as convenient, however I will work all the time when I have the money. I can hire these miners for $1.50 per hour without the 40 hour week over time. ?

Thanking you for the courtesy shown me, and know this grub stake plan will work, if not for me it will for others.

Yours truly,

V. F. Foy

V. F.Foy
Box 878
Albuquerque, N. M.

PS-Mr. Nugent wrote that he had met my old friend in your office, Charley Johnson. You tell Mr. Johnson the Buckeye looks much different than when he saw it. The scenery is still good and I think, there is copper and zinc under the ground. Please give him my best regards----

BUREAU OF MINES
WASHINGTON, D. C

MAY 24 9 09 AM '51

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

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE TO AVOID
PAYMENT OF POSTAGE, $300
(PMGC)

Mr. V. F. Foy
Buckeye Copper Mine
Box 878
Albuquerque, New Mexico

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

Mr. V. F. Foy
Buckeye Copper Mine
Box 878
Albuquerque, New Mexico

Re: Docket No. DMA-59X

Dear Mr. Foy:

Your application for exploration aid has been reviewed by the Defense Minerals Administration and we are sorry to inform you that it is denied.

On the basis of the information submitted with your application and the material available to the Government it is felt that the geological possibilities are not such as to justify Government participation in an exploration program at this time.

We wish to thank you for bringing this property to the attention of the Government.

Very truly yours,

Tom Lyon, Director
Supply Division

Clud

April 4, 1951

Re: Docket No. DMA-59

Mr. F. V. Foy
Box 878
Albuquerque, New Mexico

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Supply Division

Enclosure

CHJohnson:pf

Copy to: Executive Officer, DMA Field Team, Region IV,
224 New Customhouse, Denver 2, Colorado w.c.i.
Executive Secretary w.c.i.
Copper Commodity Committee w.c.i. Room 3423
Files

Albuquerque, N. M.
March 22, 1951

Mr. S. H. Williston, Director
Supply Division,
Defense Minerals Administration,
Washington, D. C.

Refer-Docket No. DMA-59

Dear Sir:

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/s/
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Box 878
Albuquerque, N.M.

COPY