DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 2009 MN

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 LOAN

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
CODE 340 3624

To:	Ferro-Alloys Br.	Date	8-27-51
To:	Operating Comm.	Date	4-9-52
To:	Operating Com	Date	5-7-52
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

aec

INT.-DUP. SEC., WASH., D.C. 98868

400-110
FILE COPY
SURNAME:

F. Johnson

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

MAY 8 1952

Mr. P. D. Parker
P. O. Box 1276
Globe, Arizona

Re: Docket No. DMA 2009X (Manganese)
Ramsdell Mine
Gila County, Arizona

Dear Mr. Parker:

Your application for exploration assistance has been carefully reviewed, together with information obtained by a field examination of your property, and other available data.

This information, while noting a relatively small tonnage of ore on your property, indicates that, geologically, there is little probability of finding additional ore in sufficient quantity to be of importance to the National Defense Program. We regret, therefore, to inform you that your application is denied.

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

Sincerely yours,

C. O. Mittendorf (for) CC 5/8

Acting Administrator
Defense Minerals Exploration
Administration

TLChapman/FEJohnson/lm/bih
5/7/52
cc to: Docket
Admr's. Reading File
Operating Committee
Field Team, Region IV
Messrs. D.M. Lemon R-5216 GSA Bldg.,
J.H. Hedges R-4604
G.C. Selfridge
T.L. Chapman
Stanley Walker R-2465
F.E. Johnson

FILE COPY
SURNAME:

Chapman
Selfridge
Hedges
Lemmon

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

Mr. P. D. Parker
P.O. Box 1276
Globe, Arizona

Re: Docket No. DMA 2009X - Manganese
Ramsdell Mine
Gila County, Arizona

Dear Mr. Parker:

Your application for an access road and for exploration assistance and other data available to us in Washington have been carefully reviewed.

This information, while noting a relatively small tonnage of ore on your property, indicates that, geologically, there is little probability of making a significant discovery. We regret, therefore, to inform you that your application is denied.

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

Sincerely yours,

C. O. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

TLChapman'lm
5/6/52

cc: Admn. Reading File
Docket
N. B. Melcher, USBM
M. D. Crittenden, USGS
Field Team Reg. IV
G. C. Selfridge
T. L. Chapman
Operating Committee

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : Acting Administrator, DMEA

DATE: May 6, 1952

FROM : Iron and Ferro-Alloy Division, DMEA

A R 8

SUBJECT: Denial of project in the amount of $4,000 for an access road and $4,000 for an exploration project.
Docket No. DMA 2009X - Manganese
P. D. Parker
The Ramsdell Mine
Gila County, Arizona

The denial of the subject application by this Division is based on the following information.

The manganese oxides in this deposit occur in a brecciated zone from 2 to 2-1/2 feet in width. Within the low grade material of the deposit, relatively high grade lenses occur. The ratio of the higher grade ore to the low grade vein matter is about 1 to 8. This type of deposit is of secondary origin and becomes very low grade at depths of 40 to 60 feet. Hence, there is little possibility of making a significant discovery.

This type of deposit is usually worked by open cuts and does not necessitate or warrant any exploration work. Being 5 miles from a road prevents it from being an economic operation.

During World War II, 17 tons of ore running 49 per cent manganese was packed out to the road and shipped.

The Commodity Divisions of the U. S. Geological Survey and the U. S. Bureau of Mines recommend denial.

G. C. Selfridge.

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

FILE COPY
SURNAME:

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

Acting Administrator, DMEA

May 6, 1952

Chapman
Selfridge

Iron and Ferro-Alloy Division, DMEA

Denial of project in the amount of $4,000 for an access road and $4,000 for an exploration project.
Docket No. DMA 2009X - Manganese
P. D. Parker
The Ramsdell Mine
Gila County, Arizona

The denial of the subject application by this Division is based on the following information.

The manganese oxides in this deposit occur in a brecciated zone from 2 to 2-1/2 feet in width. Within the low grade material of the deposit, relatively high grade lenses occur. The ratio of the higher grade ore to the low grade vein matter is about 1 to 8. This type of deposit is of secondary origin and becomes very low grade at depths of 40 to 60 feet. Hence, there is little possibility of making a significant discovery.

This type of deposit is usually worked by open cuts and does not necessitate or warrant any exploration work. Being 5 miles from a road prevents it from being an economic operation.

During World War II, 17 tons of ore running 49 per cent manganese was packed out to the road and shipped.

The Commodity Divisions of the U. S. Geological Survey and the U. S. Bureau of Mines recommend denial.

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

TLChapman'lm
5/6/52

cc: Admn. Reading File
✓ Docket
G. C. Selfridge
T. L. Chapman
Hanley Walker
F. E. Johnson

FILE COPY
SURNAME:

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

APR 1 0 1952

Mr. J. H. East, Jr.
Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMA 2009X
(Manganese)
P. D. Parker

Dear Mr. East:

This will acknowledge receipt of your letter of March 26, 1952, concerning the subject application and requesting that a policy determination be made with respect to the action you should take on applications for Government assistance for exploration of submarginal deposits.

Your comments regarding the application of P. D. Parker have been noted. It is also noted in the next to the last paragraph of your letter you state that you have tested a number of shipments of ore to the Deming, New Mexico Purchase Depot, and that these shipments have been stopped because the percentage of lead-zinc in the manganese exceeds the specification limits. However, the Field Team reported that an analysis of a sample of ore from Mr. Parker's Ramsdell mine indicated only minor amounts of copper, lead and zinc, and that this ore does not have any deleterious elements.

We agree with you that the economic aspects of a proposal should be considered in arriving at a decision with respect to an application. However, an application should not be denied primarily because the immediate economic aspects are unfavorable. Your attention is called to the criteria set forth in the Mineral Order for Exploration Projects. Under these criteria seven factors are considered and weighed in passing on applications, the most important of which, in our opinion, is the geologic probability of making a significant discovery.

The purpose of the Exploration Program is to find strategic and critical minerals for use in National Defense. If the possibility exists to discover or develop a large tonnage of submarginal strategic or critical minerals which can be mined at low cost and there is a possibility of working out the metallurgy so that significant production may be made within ten years from the start of the project, such a project certainly falls within the scope of this program, provided other factors are favorable. On the other hand, where the possibility exists of only discovering or developing a small tonnage of submarginal

material, it should not be classed as falling within the category of making a significant discovery, and hence, it would appear to be in order to deny an application on a deposit of this nature.

You state that you are approving applications in the case of uranium where the average grade of ore is as low as .10% U_3O_8, which is considered 25% below profitable operation. If the possibilities are such that only spotted occurrences of such low grade material could be found or developed, we do not believe that the applicant should be encouraged to spend his money where he obviously has no hope of recovering it. However, if the possibility exists of finding higher grade material which would result in profitable operations on a small scale, we feel that it would be a suitable Exploration Project. Furthermore, if the possibility existed of discovering and developing a deposit of substantial tonnage such as 20,000,000 to 30,000,000 tons of material assaying .10% U_3O_8, and the applicant was competent to carry out such an Exploration Project, we feel it would be in line with the Defense Program. The same type of thinking would apply to oxidized lead-zinc ores where there would not be a suitable project on a small scale; but if the possibility existed to find large deposits and the applicant was competent, such a project should be given careful consideration.

It is impossible to lay down definite rules or policies in these cases as it is purely a matter of judgment wherein a honest differences of opinions may exist. Each proposal must be considered on its own merits. We feel that any possibility of adding substantial tonnages to the country's reserves of strategic and critical minerals, even though not considered commercial, at the present time or the metallurgy has not been worked out satisfactorily, should be looked upon favorably. This type of exploration is definitely within the realm of DMEA, and we should furnish assistance for projects of this type where applicants are competent to carry them out and other factors are favorable.

Sincerely yours,

(signed) FRANK E. JOHNSON (FEJ)

Chairman, Operating Committee
Defense Minerals Exploration
Administration

APPROVED:

J. H. Hedges (JHB)
Member, Bureau of Mines

T. P. Thayer (TPT)
Member, Geological Survey

FEJohnson/bih
cc: Docket
Admr's. Reading File
Operating Committee
Messrs. Selfridge - Houk - Ellis
Moulds - F. E. Johnson

J.H. 4-10-52

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

REGION IV

OFFICE OF
REGIONAL DIRECTOR

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

March 26, 1952

Memorandum

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 31 1952

To: Frank E. Johnson
Chairman, Operating Committee

From: Regional Director, Region IV

Subject: Docket DMA-2009X - P. D. Parker

Referring to your letter dated January 31, regarding docket DMA-2009X, manganese, P. D. Parker, Ramsdell mine, Gila County, Arizona: We have re-examined the report as submitted by the field examiners, and we are in accord with the examining team in that the application should be denied.

The denial is based on the improbability of securing a significant tonnage of manganese ore. You will note that the report states "that this type of deposit is generally very shallow, extending only from 40 to 60 feet. This depth would not give a significant tonnage in our opinion".

It is noted in the third paragraph of your letter that you state "primary emphasis should not be placed on the economic aspects of the proposal; but rather the unlikelihood of making a discovery or development of ore of significant importance should be stressed".

We have advised our field examiners that an application should not be turned down entirely on the economic aspects of the proposal.

In this connection, we would like to have your policy determination of the action that we should take on applications for Government assistance in opening mineral deposits of obvious submarginal grade, as for example:

(1) In the case of uranium, a cut-off .13 U_3O_8 is considered commercial ore. We are approving applications where the average grade of ore is indicated as low as .10, which is 25 percent below profitable operation.

(2) Another case in point is Potter and Sims, docket DMA-1387, where a large tonnage of tungsten ore is probably present, but the sample submitted to Tucson for testing was too low grade to even test.

(3) A deposit in Utah to explore zinc carbonate was denied because there was no method of treatment of the ore that we knew of other than the direct shipment to a zinc smelter.

It seems to this field team that economics in these cases must come into the judgment of the application.

In the fourth paragraph of your letter regarding the purchase program for domestic manganese ore at Deming, New Mexico, we have tested several shipments of ore from the Globe district and in every instance, shipments have been stopped because of the percentage of lead-zinc in the manganese, which exceeds the specifications and the stockpile would not accept it.

We would like for the Operating Committee to give us the policy determination regarding submarginal deposits, such as we have indicated above.

J. H. East, Jr.

J. H. East, Jr.

Docket File

400

FILE COPY
SURNAME:

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

JAN 31 1952

AIR MAIL

Mr. J. H. East, Jr.,
Executive Officer, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMA 2009X (Manganese)
P. D. Parker
Ramsdell Mine
Gila County, Arizona

Dear Mr. East:

The field team report, dated November 26, 1951, on the subject property is being reviewed, and we find it necessary to request your further attention in this respect.

The "summary, conclusions, and recommendations", pages 1 and 2, recommend denial on the basis that the mine cannot be operated at a profit, and note that a loan might not be amortized.

We feel that in recommending a denial, primary emphasis should not be placed on the economic aspects of the proposal; but rather the unlikelihood of making a discovery or development of ore of significant importance should be stressed. This procedure is in keeping with the declared purposes and intent of DMEA as expressed in MO-5, MF-100, MF-103, MF-200 and "Questions and Answers on the Mineral Exploration Program" (Departmental Release of May 14, 1951). Your attention is directed to the recurring use of the words "contribution", "aid", "grant" and the fact that the operator is not required to mine, even if profitable ore is found (see MF-200, clause 14, final sentence).

Your attention is further directed to the fact that manganese ores need not contain a minimum of 40 percent manganese to be sold to the Deming, New Mexico, ore-purchasing depot. The criterion in this respect is the efficiency of concentration. It will be noted in the "Manganese Regulation", "Purchase Program for Domestic Manganese Ore at Deming, New Mexico" that, if ore from the Ramsdell mine is amenable to concentration, the mine-run ore containing 25.83 percent manganese will be purchased at $24.70 per long dry ton.

A supplementary report clarifying the above noted points is requested. In this connection, please comment on the possibility of discovering or developing a significant quantity of low grade manganese ore that could be sold to the Deming Purchase Depot.

Sincerely yours,

(signed) FRANK E. JOHNSON

Chairman, Operating Committee
Defense Minerals Exploration
Administration

J.H. 1-31-52

APPROVED:

J. H. Hedges

Member, Bureau of Mines

J.P. Thayer

Member, Geological Survey

QLBrewer/FEJohnson/lm/bih
1/29/52
cc to: Admr's Reading File
Docket
N. B. Melcher, USBM
M.D.Crittenden, USGS
G.C.Selfridge
GGGentry
Field Team, Region IV(2)

Docket 400
FILE COPY
SURNAME:

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

Mr. J. H. East, Jr.
Executive Officer, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMA 2009X - Manganese
P. D. Parker
Ramsdell Mine
Gila County, Arizona

Dear Mr. East:

The field team report, dated November 26, 1951, on the subject property is being reviewed, and we find it necessary to request your further attention in this respect.

The "summary, conclusions, and recommendations", pages 1 and 2, recommend denial on the basis that the mine cannot be operated at a profit, and noting that a loan might not be amortized.

It is our thought that a denial, in certain cases, based solely on this premise is not in keeping with the declared purposes and intent of DMEA as expressed in MO-5, MF-100, MF-103, MF-200 and "Questions and Answers on the Mineral Exploration Program" (Departmental Release of May 14, 1951). Your attention is directed to the recurring use of the words "contribution", "aid", "grant" and the fact that the operator is not required to mine, even if profitable ore is found (see MF-200, clause 14, final sentence).

Your attention is further directed to the fact that manganese ores need not contain a minimum of 40 percent manganese to be sold to the Deming, New Mexico, ore-purchasing depot. The criterion in this respect is the efficiency of concentration. It will be noted in the "Manganese Regulation", "Purchase Program for Domestic Manganese Ore at Deming, New Mexico" that, if ore from the Ramsdell mine is amenable to concentration, the mine-run ore containing 25.83 percent manganese will be purchased at $24.70 per long dry ton.

A supplementary report clarifying the above noted points is requested. It is expected that the field team will provide sufficient data in future reports to substantiate its recommendations.

Sincerely yours,

(signed) FRANK E. JOHNSON

Chairman, Operating Committee
Defense Minerals Exploration
Administration

Approved:

J. H. Hedges

Member, Bureau of Mines

L. P. Thayer

Member, Geological Survey

QLBrewer'lm
1/24/52

cc: Admn. Reading File
✓ Docket
N. B. Melcher, USBM
M. D. Crittenden, USGS
Field Team Reg. IV
G. C. Selfridge
G. G. Gentry

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

January 18, 1952

Memorandum

To: George C. Selfridge

From: Norwood B. Melcher

Subject: DMA-2009, P. D. Parker

The report of the Field Team indicates that only a very small tonnage of manganese could be obtained from this deposit, obviously at a very high price.

It is recommended that the application be denied.

The complete file is attached herewith.

Norwood B. Melcher

Attachment

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : George C. Selfridge DATE: January 9, 1952

FROM : M. D. Crittenden

SUBJECT: DMA 2009 P. D. Parker

The Field Team report on this property indicates that the prospects for a significant discovery as a result of this exploration are poor. The breccia zone to be prospected is already exposed and can be mined without further exploration. The amount of ore indicated to date is not sufficient to warrant the expense of the access road. On this basis both forms of assistance should be denied.

M. D. Crittenden

George C. Selfridge January 9, 1952

M. D. Crittenden

DMA 2009 P. D. Parker

The Field Team report on this property indicates that the prospects for a significant discovery as a result of this exploration are poor. The breccia zone to be prospected is already exposed and can be mined without further exploration. The amount of ore indicated to date is not sufficient to warrant the expense of the access road. On this basis both forms of assistance should be denied.

MDCrittenden:gt

Copies to: Director's read. file
Branch read. file

George C. Selfridge January 9, 1952

M. D. Crittenden

DMA 2009 P. D. Parker

The Field Team report on this property indicates that the prospects for a significant discovery as a result of this exploration are poor. The breccia zone to be prospected is already exposed and can be mined without further exploration. The amount of ore indicated to date is not sufficient to warrant the expense of the access road. On this basis both forms of assistance should be denied.

MDCrittenden:gt

Copies to: Director's read. file
Branch read. file

George C. Selfridge January 9, 1952

M. D. Crittenden

DMA 2009 P. D. Parker

The Field Team report on this property indicates that the prospects for a significant discovery as a result of this exploration are poor. The breccia zone to be prospected is already exposed and can be mined without further exploration. The amount of ore indicated to date is not sufficient to warrant the expense of the access road. On this basis both forms of assistance should be denied.

MDCrittenden:gt

Copies to: Director's read. file
Branch read. file

Docket transmitted to
M. B. Mulcahy - 1-9-52

M. B. C.

OFFICE OF THE ADMINISTRATOR

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

224 New Customhouse
Denver 2, Colorado

December 7, 1951

Memorandum

To: Exedutive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: DMA Docket 2009 (Access Road and Exploration Loan Applications, P. D. Parker, Applicant), Ramsdell Manganese Mine, McMillan Mining District, Gila County, Arizona

Enclosed herewith is the original of the Geologic Report on the above application for an access road.

We agree with the examining engineer that the above application for an access road be denied.

Paul T. Allsman, Alternate

A. H. Koschmann

Enclosures

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

200 New Customhouse
Denver 2, Colorado

Reviewed by
DMEA OPERATING COMMITTEE
1/4/52 [illegible]
(date)

November 26, 1951

Memorandum

To: DMA Field Team, Region IV

From: A. H. Koschmann

Subject: DMA Docket 2009 (Access Road and Exploration Loan Applications, P. D. Parker, Applicant), Ramsdell Manganese Mine, McMillan Mining District, Gila County, Arizona

Enclosed are the original and 7 copies of the geologic report by C. S. Bromfield of the U. S. Geological Survey covering the above docket. A separate report by the U. S. Bureau of Mines will not be prepared.

It has been recommended that the loans be denied.

The brochures (2) are enclosed.

A. H. Koschmann
A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (8)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P.O. Box 4126, University Station
Tucson, Arizona

November 23, 1951

Memorandum

To: Field Team, Region IV, Denver, Colorado
Through: Mr. A. H. Koschmann

From: Mr. A. F. Shride, Tucson, Arizona

Subject: Final Report, DMA 2009 (Access Road and Exploration Loan Applications, P. D. Parker, Applicant), Ramsdell Manganese Mine, McMillan Mining District, Gila County, Arizona

Enclosed are the original and 7 copies of the above report by C. S. Bromfield of the Geological Survey. A separate report by the Bureau of Mines will not be prepared.

This report and the recommendation that an access road and exploration loan be denied because of adverse economics and geologic probability have my approval.

The brochures are enclosed.

A. F. Shride

A. F. Shride
Acting District Supervisor
Arizona-New Mexico

Enclosures 10

NOV 1951
RECEIVED
U.S. Geological Survey
Mineral Deposits Branch
Denver

RAMSDELL MANGANESE MINE
MCMILLAN MINING DISTRICT
GILA COUNTY, ARIZONA
DMA 2009
(ACCESS ROAD AND EXPLORATION LOAN)

Geology

By
Calvin S. Bromfield
Geologist, U. S. Geological Survey

RAMSDELL MANGANESE MINE
MCMILLAN MINING DISTRICT
GILA COUNTY, ARIZONA
DMA 2009
(ACCESS ROAD AND EXPLORATION LOAN)

CONTENTS

	Page
Summary, Conclusions, and Recommendations	1
Introduction	3
Acknowledgments	3
Location	3
History and Production	4
Ownership and Extent	4
General Geology	4
Ore Reserves	6
Proposed Program	8

ILLUSTRATIONS

Figure		Following Page
1	Location map	3
2	Plan and section of Ramsdell Manganese Mine	4

SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

The manganese deposit of the Ramsdell Manganese Mine occurs in relatively narrow steeply dipping breccia veins. The ore is of secondary origin and is of the type which becomes impoverished at depths of 40-60 feet. High grade (40-45 percent Mn) masses and pods occur interspersed within a vein composed largely of low grade (15-25 percent Mn) breccia material. Based on past production the ratio of high grade material to low grade material is approximately 1:8.

There are several factors which mitigate against the successful operation of the Ramsdell manganese prospect. The geological potential of the vein is on the order of 3300 tons, but only some 400 tons of this amount would be of commercial grade (40-45% Mn); the remainder is low grade and probably uneconomic. To recover this 400 tons the entire amount would have to be mined. It is not intended here to go into the details of the economics involved, but this factor condemns the enterprise even if it were thought worthwhile to obtain the limited reserves of manganese available. In this type of small operation, in narrow veins, the estimated production would not be more than one ton per man shift. The cost of mining and sorting the ore would be at least $20 per ton. At a ratio of 8 long tons of low grade material to one long ton of "high" grade ore the cost of producing one tone of ore would be 8 x $20 or $160. This excludes haulage and freight to Deming, New Mexico, on ore which is worth only $76 per long ton at Deming. The economic difficulties are obvious.

It is concluded that the high cost necessary to recover the small reserves of manganese interspersed within the vein would prohibit

the Ramsdell manganese prospect from operating at a profit; therefore a loan could not be amortized. It is recommended that the exploration and access road be denied.

INTRODUCTION

On August 6, 1951, P. D. Parker of Globe, Arizona made an application for an access road of approximately 5 miles in length to the Ramsdell manganese prospect, Gila County, Arizona. On August 17, 1951, he made application for an exploration project pursuant to Mineral Order #5, under the Defense Production Act of 1950. The estimated cost of the exploration project, exclusive of the access road, was $4,000, of which the Government's share would be 75 percent. The applications were reviewed in Washington, docketed as DMA 2009 and AR __?__ , and forwarded to the Field Team, Region IV, Defense Minerals Administration for a field examination.

P. D. Parker was contacted by the writer on October 4, and the property was visited on October 5, 1951.

ACKNOWLEDGMENTS

The examining geologist wishes to thank P. D. Parker, applicant, and F. T. Ramsdell, lessor of subject property, for assistance rendered.

LOCATION

The Ramsdell Manganese Mine is on the south bank of the Salt River above Gleason Flat. On the official Crook National Forest Map the mine would be located in the southwestern part of the unsurveyed portion of T. 5 N., R. 16 E. (fig. 1).

The mine is reached by going 20 miles northeast of Globe on Highway 60 to Seven Mile Wash, thence 15 miles by good dirt road to the John Peer's ranch on the north side of Haystack Butte. The road ends at Peer's ranch and the property is accessible only by a foot or horseback trail of 4 to 5 miles (see fig. 1).

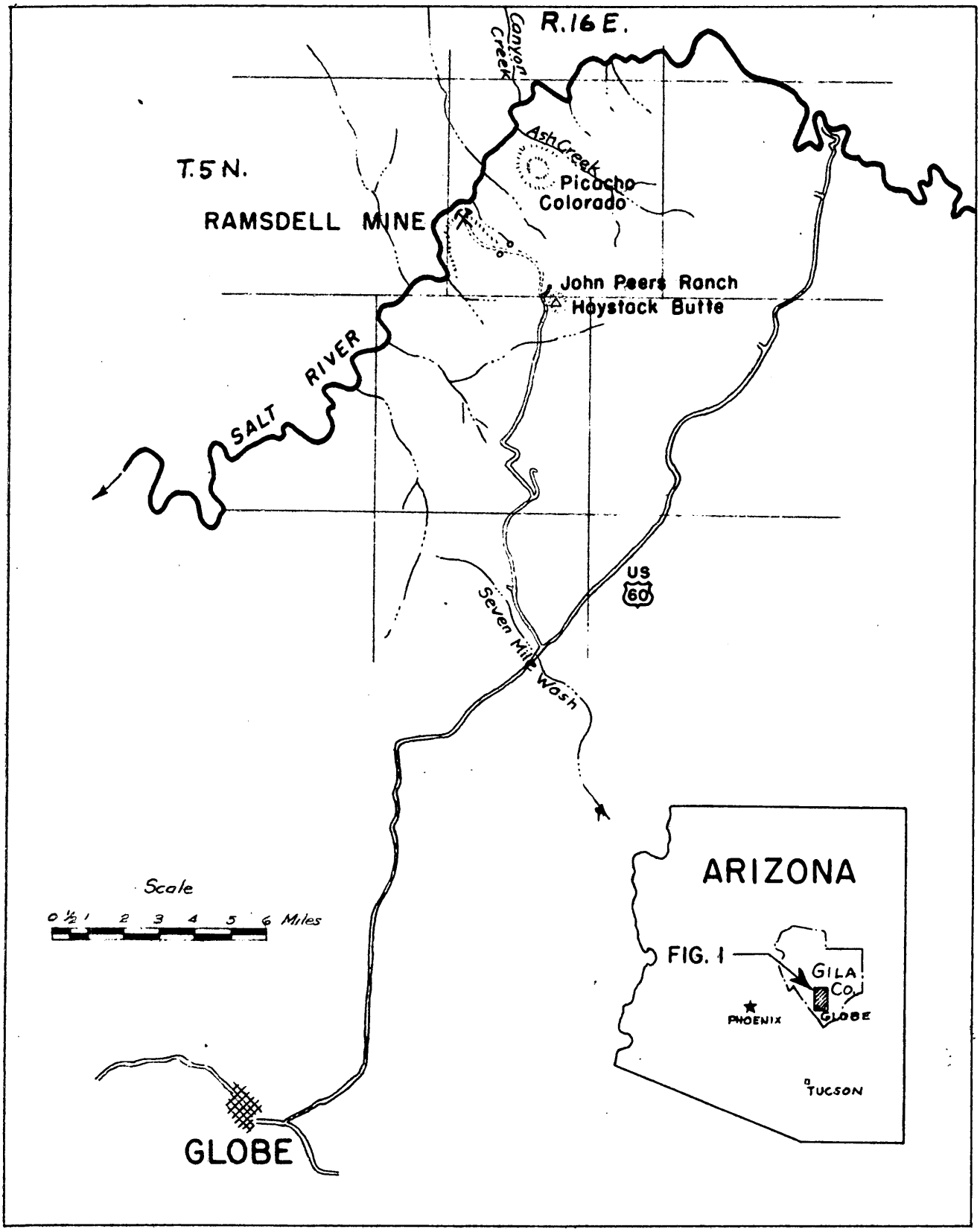


FIG. 1 - LOCATION MAP, RAMSDELL MANGANESE MINE

DMA 2009

The prospect is about a quarter of a mile from the Salt River on a north-trending ridge in an area of moderate topography. The altitude of the mine is approximately 3,100 feet, and that of the river 2,800 feet. In the immediate area there is a maximum relief of about 800 feet. The proposed access road would have an easy grade and could follow the crest of a gentle ridge to the vicinity of the prospect.

HISTORY AND PRODUCTION

The seven claims composing the Ramsdell manganese prospect were located by F. T. Ramsdell during the early years of World War II. Lessees operated the property for a short time during World War II and are reported to have shipped 17 long tons of approximately 49 percent manganese ore. This is the only shipment that has been made from the property. Perhaps ten tons of sorted ore, averaging approximately 40 to 45 percent manganese are in a dump at the property. During the war the lessees drove a 60-foot drift on the vein. The present applicant extended the drift 23 feet along the vein and put a small 15-foot raise up to the surface (see fig. 2). At the present the property is inactive.

OWNERSHIP AND EXTENT

The applicant, P. D. Parker, has a 10 year lease and purchase option on 7 unpatented contiguous claims which are held by F. T. Ramsdell of Globe, Arizona. The royalty is 10 percent of the gross value of the ore and a minimum monthly royalty payment of $100 is applicable on the purchase price of $5,000. The expiration date of this lease and option is July 15, 1961.

GENERAL GEOLOGY

The ore deposit occurs in steeply dipping fissure veins cutting phaneritic igneous rocks of intermediate to basic composition.

The vein strikes N. 10° E. and dips 80° E. and is exposed

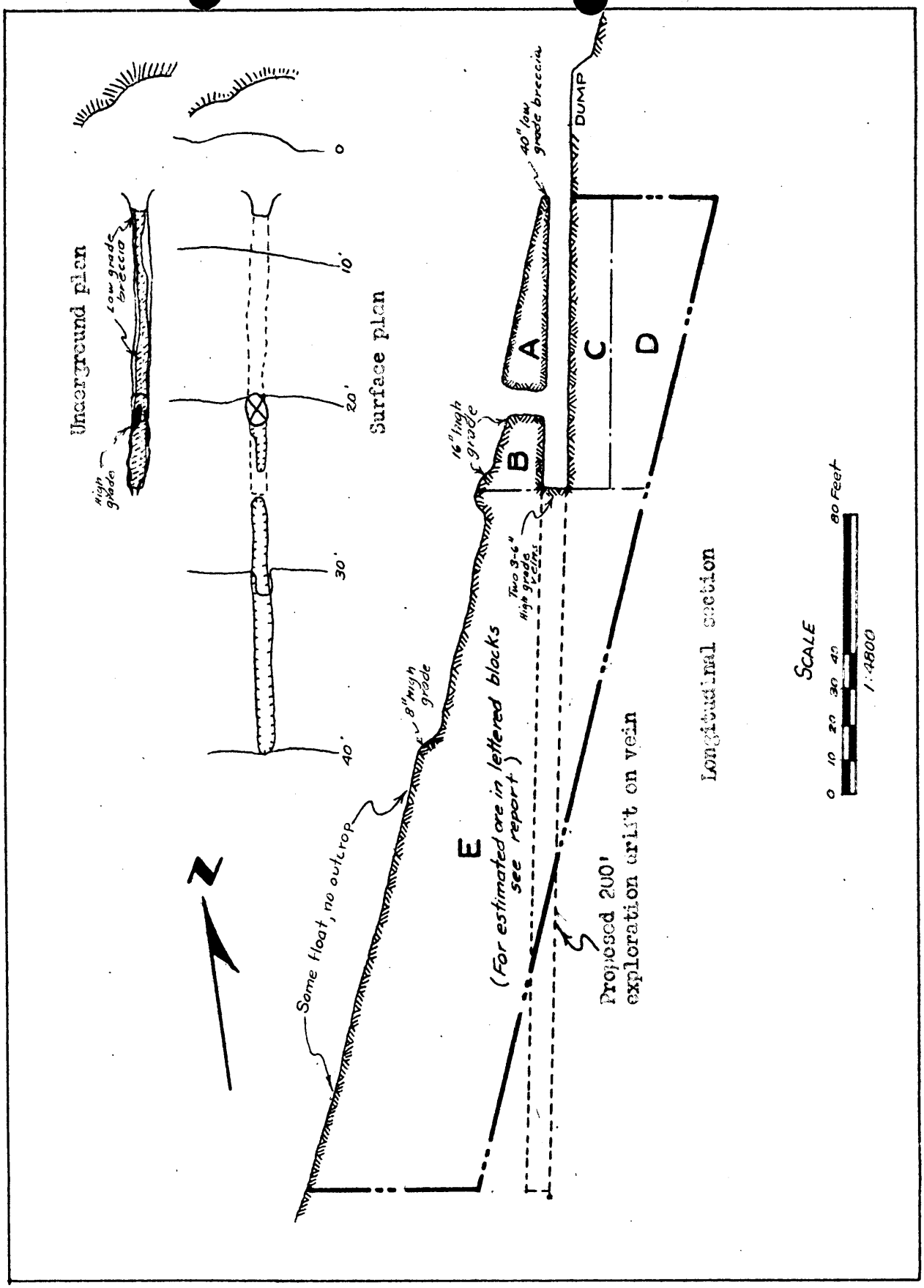


FIG.2-PLAN & SECTION RAMSDELL MANGANESE MINE

DMA 2009

for approximately 150 feet on the surface. The vein is explored by an 85-foot adit and by approximately 90 feet of surface trenching. There is a short 15-foot raise to the surface 60 feet from the mouth of the adit. Only a very small amount of backs is developed (fig. 2).

The vein as exposed in the trenches and adit occurs in a brecciated zone which varies in width from 6 inches up to 40 inches or more and averages perhaps 2 - 2½ feet in width. Manganese minerals of the "psilomelane" type, here termed loosely "wad," occur as reticulating veinlets filling the interstices of the breccia, forming a low-grade material. Within this low-grade material relatively high-grade wad occurs as lenses and pods connected by thin stringers. The individual masses show concentric layered columnar or stalactitic structure with the axes of individual columns being normal to the layers. These masses reach a maximum observable width of 16 inches and the longest mass seen is approximately 10 feet long. This mass occurs in the 85 foot adit (fig. 2) and was the only one which was observed. Two narrow stringers (3 - 6 inches wide) parallel the sides of the drift and extend from this pod to the face of the drift (fig. 2). On the surface a high-grade stringer of 8 - 9 inches width is present at the south end of the cut. At the north end of the surface cut at the raise a 16 inch-wide mass of high-grade wad is exposed. The bottom of the cut is covered with caved material and could not be observed.

The manganese oxides are undoubtedly secondary in origin. Veins of this type commonly become low grade at shallow depth. Other manganese deposits in Gila County[1/] become poor in grade at 45 feet. Elsewhere

---

1/ Wilson, E. D., Manganese Ore Deposit in Ariz., Univ. of Ariz. Bull. 127, p. 60, 1930.

depths of 40 - 50 feet have been reached and 50 feet is a reasonable figure on which to base estimation of the potential of the deposit.

ORE RESERVES

Mr. Parker supplied several assays from which the grade of the ore can be judged. These are given below:

Sample		Percent Manganese
1	Represents high grade from open cut	50
2	Represents high grade from adit	37.63
3	From ore dump (fines), representing adit	46.8
4	From ore dump (coarse), " "	36.4

The applicant submitted the following analysis of his ore. The analysis is from material mined from the last 23 feet of the drift.

Fe	1.4
SiO_2	2.4
Al_2O_3	.2
Phos.	.038
Mn	49.77
Sul.	Nil
BaO	3.4

The writer took two samples as follows:

Sample		Percent Manganese
1	Represents grab sample of coarse and fines from dump. Dump represents material extracted from adit.	41.4
2	Represents grab sample of average breccia material	25.83

Analysis of sample one, above, for copper, lead, and zinc showed only minor amounts of these metals to be present. The figures were well below stockpile specifications.

Sorted high grade material would meet Government stockpile requirements as to grade and analysis. There are no significant

amounts of deleterious elements and the ore would be penalty free.

The vein on the Ramsdell manganese prospect is developed underground by 85 feet of drifting, and a short raise to the surface. At the surface there is approximately 90 feet of trenching along the vein to an average depth of 3 to 4 feet. The applicant reports that during World War II previous lessors shipped 17 long tons of 40-50 percent manganese ore. In addition there is approximately 10 tons of 40-45 percent of sorted manganese ore in a dump at the property. Thus there can be accredited to the mine from development to date a total production of 27 long tons of 40-45 percent manganese ore. Assuming a vein width of 2.5 feet, which is average for the breccia ore and which would be a minimum practical mining width, this would give an approximate ratio of 1 long ton of 40-45 percent manganese recovered to every 8 long tons of low grade (15-25 percent) manganese breccia material mined.

Assuming the vein persists to a depth of 50 feet and has a width of 2.5 feet, and allowing for what little has been produced, it is estimated that the Ramsdell manganese prospect may have a total of 3,340 tons of indicated and inferred reserves of dominantly low grade material broken down as follows (see fig. 2):

	Reserves* Indicated	Long Tons	Inferred
Area A	100	(20-25 percent Mn)	
Area B	80	(20 long tons 40-45%)	
Area C	210	(perhaps 26 long tons high grade)	
Area D			450
Area E	—		2,500
Total	390		2,950

*Figures include high and low grade together.

Using the ratio of 1 long ton of high grade 40-45 percent manganese ore to 8 long tons of low grade 15-25 percent manganese breccia material it is estimated that there might be about 420 long tons of high grade ore that could be sorted from 3,340 long tons of combined high and low grade material.

The applicant does not plan or have any equipment to treat the low grade material; his present plans call only for sorting and shipping the high grade ore from the lenses or pockets which occur interspersed within the vein.

PROPOSED PROGRAM

The applicant proposes to extend the existing drift an additional 200 feet to explore the extent and grade of the ore (fig. 2). Before commencing the project a preliminary access road approximately 5 miles in length would have to be built. This road would extend largely along ridge lines and would have easy grades. For approximately 4 miles the road would traverse talus covered slopes, and decomposed igneous rocks. The last mile might involve a small amount of blasting in bedrock. The applicant estimates the cost of the proposed drifting at $4,000. No informed estimate of the road cost is available but the author estimates that $4,000 - $5,000 would be a conservative guess. Thus the total cost of the project as proposed would be $8,000 to $9,000 of which the Government's share would be 75 percent.

Form MF-105
(April 1951)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1054.
Approval expires March 31, 1952.

Docket No. AR 82
(Leave blank)

Application For Access Road

Instructions to Applicant: Complete five copies of this form, keeping one copy for your files and sending original and three copies to:

Mr. J. H. Fast, U.S. Bureau of Mines, 224 New Custom House, Denver 2, Colorado

NOTICE.—If you have already filed Defense Minerals Administration Form MF-100 or MF-103, give date filed None, Docket No., if available ____, and do not answer questions 3 to 7, inclusive. Then return signed forms to Defense Minerals Administration, Department of the Interior, Requirements Division, Washington 25, D. C. If more space is needed, attach additional sheets of the same size, indicating item being answered.

1. Location of project: State Arizona County Gila
   Mining district McMillenville Nearest town Globe
2. Name of mine or plant Deadwell Other identifying data (previous names, etc.) None
3. Principal metal or mineral produced (or to be produced) Manganese
4. Subordinate metals or minerals none
5. Present average daily production none
6. Estimated future average daily production 5 Tons
7. Estimated ore reserves or life of the mine To be explored
8. Access road requested from end of present road to mine Length 5 miles
   To be a new road? Yes or improvement of existing road? ____
9. Number of trucks by type and size 1 - 3 Ton Total trips per day (1-way) One
10. To the best of your knowledge, does any Federal, State, or county agency have jurisdiction over this road? No Which agency? ____
    Have you been refused assistance by this agency? No
11. Have you applied for a Federal loan for your mining or milling operation? No
    If so, on what date and to what Government agency? ____
12. Do you have Government contracts for any of your production? No If so, with what agency? ____ For what amount? ____

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

____ (Name of company)

By K. D. Parker (Signature of authorized official)

Lessee Owner (Title)

P.O. Box 1276, Globe, Arizona (Address)

8-6-51 (Date)

NOTE.—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—64017-1

P. O. Box 1276
Globe, Arizona, August 6, 1951

Mr. J. H. East
U.S. Bureau of Mines
224 New Custom House
Denver 2, Colorado

Dear Mr. East:

Find enclosed four copies of Form MF 105 Application for Access Road construction.

It will be necessary to construct some five (5) miles of road to reach this property; very little, if any, will have to be blasted - almost a straight bull dozing job.

I am at present running an exploratory tunnel on this property, with an excellent show of manganese ore that runs from 37.63% to 49.77% Mn; in fact I got but one assay off of this property that ran less than 40%.

The property should be more thoroughly explored before actual production is started. If you will send me the necessary form MF 103, will file these with your office immediately.

At the present time we are packing in with burros and am going to pack out such ore as we find near the surface.

I am enclosing a map of Gila County which will have location of property plainly marked on it. You will note we are just across Salt River off of the Indian Reservation, in which district a considerable amount of high grade manganese ore was shipped during the last war.

I am enclosing copy of my lease with F.T.Ramsdell of Globe, Arizona.

Hoping I may hear from you in the near future, I am

Very truly yours,

P. L. Parker

P.S. Mr. G. A. Leech of Globe sent sample of this ore to Colorado Fuel & Iron Corporation, Pueblo, Colorado, for analysis, with the following result:

Fe	1.4
SiO_2	2.4
Al_2O_3	.2
Phos.	.038
Mn.	49.77
Sul.	Nil
B_2O	3.4

Analysis of prospect #7035

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

OFFICE OF
REGIONAL DIRECTOR

REGION IV

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

August 10, 1951

Mr. G. L. McLane, District Engineer
Bureau of Public Roads
106 N. 5th St.
Phoenix, Arizona

Dear Mr. McLane:

Enclosed herewith is an application for an access road to a manganese deposit located in the McMillenville Mining District, Gila County, Arizona. The construction comprises of five miles of new road extending from a present road. The application is submitted by the applicant and lessee, P. D. Parker, P.O. Box 1275, Globe, Arizona.

This application is sent you according to Procedure Instruction No. 6, Defense Minerals Administration. Please make a field examination to determine the location and extent of the cost of construction.

A copy of this application is being sent to Mr. W. R. Storms, Chief, Arizona-New Mexico Branch, U. S. Bureau of Mines, P.O. Box 4097, Tucson, Arizona. Mr. Storms is being advised to get in touch with you when he has an engineer available to make an examination of the manganese deposits. You may find it to your advantage to arrange for both investigations to be made at the same time.

Yours very truly,

J. H. East, Jr.

J. H. East, Jr.

A. H. Koschmann

A. H. Koschmann

Enclosure

cc: WR Storms, Bureau of Mines, Tucson
SM Walker, Acting Chief, Housing & Utilities Branch, Washington
TH McDonald, Commissioner of Public Roads, BPR, Washington
LS Strobel, Executive Secretary, DMA, Washington
AH Koschmann, Geological Survey, New Customshouse, Denver
DMA Files: Subject and Chron.

340 FILE COPY
SURNAME:

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

Holderer
Crittenden
Kuchler
Broom
Thayer

a. e. c.

SEP 19 1951

Mr. P. D. Parker
P. O. Box 1276
Globe, Arizona

In reply please refer to
DMA-2009

Dear Mr. Parker:

Your application has received consideration by the Defense Minerals Administration. In order to proceed further, additional information is required. Therefore your application has been referred to the field.

We suggest you contact Mr. J. H. East, Jr., 224 New Customhouse Building, Denver 2, Colorado and offer him whatever assistance he may require.

Very truly yours,

SIGNED

Tom Lyon, Director
Supply Division

JF 9/19

CHJacoby:ec
Sept. 17, 1951

CC: Adm. Reading File
DMA-Docket File
Mr. Holderer
Field Team Region IV

340

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

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

SEP 19 1951

Mr. J. H. East, Jr.
224 New Customhouse Building
Denver 2, Colorado

In reply please refer to
DMA-2009 Manganese
Ramsdell Mine

Dear Mr. East:

Neither the files of the Bureau of Mines nor the Geological Survey contain information concerning the Ramsdell Mine, McMillen Mining District, Gila County, Arizona. In order to establish the merits of the deposit we would like a field examination.

More information is necessary on the geology of the area. It is not clear as to what exploration work the applicant proposes or exactly what he intends to accomplished. We would like to have the field team discuss the proposed work with Mr. Parker.

Very truly yours,

Tom Lyon

Tom Lyon, Chairman
Coordinating Committee

Enclosure

Lowell B. Moon
Bureau of Mines

T. P. Thayer
Geological Survey

340 FILE COPY
SURNAME:

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

Holderer
Jacoby
Trittenbach
Neldner

SEP 19 1951

Mr. J. H. East, Jr.
224 New Customhouse Building
Denver 2, Colorado

In reply please refer to
DMA-2009 Manganese
Ramsdell Mine

Dear Mr. East:

Neither the files of the Bureau of Mines nor the Geological Survey contain information concerning the Ramsdell Mine, McMillen Mining District, Gila County, Arizona. In order to establish the merits of the deposit we would like a field examination.

More information is necessary on the geology of the area. It is not clear as to what exploration work the applicant proposes or exactly what he intends to accomplished. We would like to have the field team discuss the proposed work with Mr. Parker.

Very truly yours,

Tom Lyon

Tom Lyon, Chairman
Coordinating Committee

9/19

Enclosure

Lowell B. Moore
Bureau of Mines

Shaw
Geological Survey

CHJacoby:ec
Sept. 17, 1951

CC: Adm. Reading File
DMA Docket File
Field Team Region IV
Coord. Comm.
Mr. Holderer

August 27, 1951

Mr. P. D. Parker
P. O. Box 1276
Globe, Arizona

Subject: DMA-2009
Re: Exploration Loan
Ramsdell Mine

My dear Mr. Parker:

This will acknowledge receipt of your application dated August 17, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMA-2009 and referred to the Ferro-Alloys Branch.

Kindly refer to DMA-2009 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams

Robert E. Adams, Chief
Reports and Records Unit

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

OFFICE OF
REGIONAL DIRECTOR

REGION IV

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 27 1951

August 24, 1951

DMA 2009

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: Executive Officer, DMA Field Team, Region IV

Subject: Form MF-103

Enclosed herewith is application for exploration aid form MF-103, for the following:

P. D. Parker
P. O. Box 1276
Globe, Arizona

J. H. East, Jr.

J. H. East, Jr.

Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

OFFICE OF
REGIONAL DIRECTOR

REGION IV

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

August 24, 1951

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: Executive Officer, DMA Field Team, Region IV

Subject: Form MF-103

Enclosed herewith is application for exploration aid form MF-103, for the following:

P. D. Parker
P. O. Box 1276
Globe, Arizona

J. H. East, Jr.

J. H. East, Jr.

Enclosure

ld

cc: DMA

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 27 1951

Docket No. DMA 2009

Date received

Participation

REGIONAL DIRECTOR'S OFFICE
REGION IV
AUG 22 1951
BUREAU OF MINES
DENVER, COLORADO

Mr. J. W. Fast
U. S. Bureau of Mines
224 New Custom House
Denver 2, Colorado

P. D. PARKER
P.O.Box 1276
Globe, Arizona

Name and address of applicant

Date August 17, 1951

FILL IN THIS BLOCK

Date of application August 17, 1951

Estimated cost ~~$3290.00~~ 4000.

Mineral or metal Manganese

Percentage of Government participation 75%

Location of mine Gila County, Arizona

Date of filing MF-100 None

DMA Docket Number, if available 2009

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.

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)?

*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 or 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.
    (*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.

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 R. D. Parker
(Signature of authorized official)

8/20/57
(Date)

LESSEE - 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

APPLICATION FOR EXPLORATION PROJECT UNDER MINERAL ORDER 5
(Form 103 Attached)

DMA-2009

1. Individual

2. See 1

3. See 1

4. Ten years' experience as hard rock miner, western and northern Idaho, Eastern Oregon, Missouri and Oklahoma; mostly contracting, also shift boss and jigger boss in shafts.

Operating major service station, Casper, Wyoming; business manager of Natrona County High School and School District #2, Casper, Natrona County, Wyoming. In full charge of business office, handling approximately $750,000.00 annually. Six years in Arizona in charge of drilling exploration, principally for Magma Copper Company, Superior, Arizona, Amico Copper Corporation and Miami Copper Company, Miami, Ariz.

5. Lessee

6. See 5

7. Duplicate copy Lease and Option attached and it is in good standing.

8. Have been working for salary for above mentioned companies. Own a $4,000.00 trailer house and 1950 Oldsmobile car/

9. Sufficient funds to meet my share of the estimated $4,000.00.

10. (a) Mining claims as shown on enclosed Mining Lease and Option.

(b) See enclosed Lease and Option, also Map of Gila County.

11. Ramsdell Mine

12. The mine is approximately 5 miles from present graded dirt road and 15 miles on graded dirt road to U.S.Highway 60; 20 miles by paved road (U.S.60) to Globe, Arizona, nearest railroad shipping point. (Application has been filed for Access Road -Form MF 105, in your office.

13. Salt River approximately 1/4 mile from mine, flows year around. Power to be used will be self powered air compressor unit either Deisel or gasoline.

14. None except short mine drift which can be used if desired.

15. Ore will be shipped to Globe, Arizona by truck and shipped by railroad to Deming, New Mexico.

16. (a) Approximately 50 feet of drift has been run on ledge and about 100 feet of open cut on ledge has been run, from which about 17 tons of ore was shipped which averaged slightly better than 49% manganese.

(b) Considerable amount of high grade manganese was shipped from the Indian Reservation directly across Salt River. (See map enclosed)

(c) None outside of assays enclosed and analysis by Colorado Fuel and Iron Corporation, which is given below.

17. Not in production

18. See 16-A above.

19. There are two distinct ledge outcrops on the property with only the work as outlined above, toward exploration. There is approximately ten tons of high grade ore sorted on the dump at this time.

20. For manganese ore only deposited in ledge form.

21. Propose to drift on one or both ledges until ore is contacted. The time involved is estimated as two months from granting of loan.

22. Cropping of ledges, large amount of float found on mountain side immediately adjacent and below croppings. Small amount of work as outlined above that has been done. The intersecting of the ledges higher on the mountain and the excellent assays and 49% plus on the ore that was shipped. (See map enclosed.)

(TWO MONTHS' OPERATION)

23.	A - 2 miners @ $12.50 per shift	$1,500.00
	B - 1 Superviser. He will take care of transportation and generally assist in the mining operation	900.00
	C - None	
	D - Two tents and camp equipment	200.00
	E - None	
	F - One compressor @ $200.00 per month, 1 gas driven pump and 1" water line	600.00
	G - None	
	H - Food, powder, caps & fuse, miscellaneous small tools including drill bits	400.00
	I - Fuel and transportation (power)	400.00
	Total cost of operation	$4,000.00

DECLASSIFIED
Authority NND 883035
DEPARTMENT OF THE INTERIOR

1st 30 DAYS

24.	Building cabin and moving equipment on property; driving 50' of tunnel	$2,000.00
	2nd 30 days - driving 150' tunnel	2,000.00
		$4,000.00

ANALYSIS OF ORE BY COLORADO FUEL & IRON CORPORATION, PUEBLO, COLO. #7835

Fe	1.4
SiO_2	2.4
Al_2O_3	.2
Phos.	.038
Mn	48.77
Sul	Nil
B_2O	3.4

DNA-2008

MINING LEASE AND OPTION

THIS INDENTURE, made this 17th day of July, 1951, between F. T. RAMSDELL, of Globe, Arizona, party of the first part, hereinafter called "Lessor", and F. D. PARKER, of Tucson, Arizona, party of the second part, hereinafter called "Lessee",-

WITNESSETH, THAT:

The said Lessor, for and in consideration of the royalty hereinafter reserved and the covenants and agreements hereinafter expressed and by the Lessee to be kept and performed, has leased, let demised, and by these presents does lease, let and demise unto the said Lessee the following described unpatented lode mining claims, to-wit:

> All those certain unpatented lode mining claims situate, lying and being in McMillen Mining District, Gila County, State of Arizona, the names of which, together with the book and page numbers of the records of mines of said Gila County, where the location notices of said mining claims are recorded in the office of the County Recorder of said Gila County, are as follows, to-wit:-

NAME OF CLAIMS	BOOK	PAGE
No one	48	411
No two	48	412
No three	48	412
No 4	48	425
No 5	48	425
No 6	48	426
No 7	48	426

TO HAVE AND TO HOLD the same unto the said Lessee for a term of ten (10) years from the 15th day of July, 1951, unless sooner forfeited or terminated through the violation of any covenant hereinafter contained against the said Lessee, or other termination as hereinafter provided. It is agreed that the Lessee shall have the right, privilege and option of renewing this lease for an additional period of ten (10) years from and after the expiration of the term hereof, upon the same terms and conditions as set forth in this lease, provided that all royalty payments and all of the other terms and conditions hereof have been fully complied with by

the said Lessee during the term of this lease. In the event that Lessee shall elect to renew this lease, for said additional term, notice in writing of such election shall be given by the Lessee to the Lessor at least sixty (60) days before the expiration of the term of this lease. The giving of such notice within said time shall constitute the renewal of this lease for said additional period and that all of the terms and conditions of this lease, so far as applicable, shall remain in full force and effect for the additional period for which this lease shall be so renewed.

In consideration of the leasing of said premises, the Lessee hereby covenants and agrees with the Lessor as follows:-

1. To do and perform, on or before the first day of May, of each year, during the term hereof, sufficient work and improvements upon said mining claims to cover all assessment or annual labor required by law to be done and performed upon or for the benefit of each of said mining claims, and make and file in the Office of the County Recorder of said Gila County, on or before said date, an affidavit showing the performance of such annual work.

2. To do and perform all work upon said mining claims and premises in accordance with the rules of good mining and the laws of the State of Arizona, and to properly timber all workings wherever necessary.

3. To keep at all times the drifts, shafts, tunnels or other workings, where work may be carried on by Lessee, thoroughly drained and clear of loose rock and rubbish, unless prevented by extraordinary mining casualty.

4. To allow the Lessor, or his agents, from time to time and at all reasonable times, to enter upon and into all parts of said mining claims and premises for the purpose of inspection.

5. To furnish, at his own expense, all tools, machinery, equipment and supplies necessary to work the said mining claims hereby leased, and to supervise and fully do and perform all work hereunder according to his own manner or method and system, and the Lessor to reserve and hold no control over the said Lessee in the

doing of such work other than as to the result to be accomplished.

6. To assume all liability for injuries to, or death of, any person in his employ, or to third persons, occasioned by any of his acts, and for loss, injury or damage to property by whomsoever done, and the Lessee covenants to save and hold the Lessor harmless on account thereof.

7. To carry industrial insurance as required by the laws of the State of Arizona, covering all employees employed in working on said mining claims and premises.

8. To occupy and hold all cross or parallel lodes, spurs or mineral deposits of any kind which may be discovered by the Lessee, or any person under him, in any manner, by working within or from the demised premises, as the property of the Lessor, with the privilege to the Lessee of working the same as part of said demised premises.

9. To pay for all labor, material and supplies to be done for, or furnished to, the said Lessee, or to any person or persons under or in privity with him upon said premises, and in the event the Lessee shall fail to pay for such labor, material and supplies, then the Lessor may, at his election, declare a forfeiture of this lease and option as hereinafter provided.

10. To post and keep posted at all times during the life of this lease and option, a Notice of Non-Liability for all labor performed or materials furnished, at all places as required by the laws of the State of Arizona.

11. The Lessee agrees to pay the Lessor, a royalty, of ten per cent (10%) of the gross value of all ores or minerals mined or extracted from said premises and sold or disposed of by the Lessee. All royalties shall be paid by the Lessee on or before the 10th day of each month during the term hereof for all ores and minerals sold and disposed of during the preceding month. Each royalty payment shall be accompanied by a duplicate settlement sheet or return showing the quantity and value of all ores or minerals

sold or disposed of during such month. It is agreed and understood however, that the Lessee shall pay to the Lessor a minimum royalty of One Hundred Dollars ($100.00), per month, payable on or before the 10th day of each month beginning on the 10th day of August, 1951, during the term hereof, or until payment in full of the purchase price of said mining claims, as hereinafter set sorth. All royalties paid by the Lessee on all ores or minerals shipped or disposed of during the preceding month shall be first applied upon said minimum royalty, and in the event that such royalty payments shall be less than One Hundred Dollars ($100.00, then the Lessee agrees to pay to the Lessor the balance of said minimum monthly royalty within the time herein above set forth. In the event that the ten per cent (10%) royalty payment hereinbefore provided for shall exceed in any month the minimum royalty payment of One Hundred Dollars ($100.00), then such excess shall be applied upon the royalty payments falling due on the next succeeding month. All royalties herein provided for shall be paid directly to the Lessor at Globe, Arizona, and when so paid shall be applied upon the purchase price of said mining claims, as hereinafter set forth.

12. The Lessee agrees that all ores and minerals mined from said premises and not shipped or disposed within 30 days after the expiration or other termination of this lease and option, other than by the purchase of said property by the Lessee, shall be and become the property of the Lessor and may be sold or disposed of by him free of any rights or claims of the Lessee.

13. It is understood and agreed that upon the expiration or other termination of this lease and option other than by the purchase of said premises by the Lessee, all tools, machinery, equipment, rails, ore bins, and supplies owned by the Lessee and placed upon the said premises may be removed therefrom at any time within 30 days after the expiration or other termination hereof, provided that all royalties due hereunder have been paid in full,

but that all timbering, buildings and other permanent improvements placed on said premises and any other machinery, equipment or personal property not removed within the time above specified, shall remain on said property and shall be and become the property of the Lessor.

14. The Lessor in consideration of the leasing of said premises and the mutual covenants and agreements herein contained, and the further consideration of the sum of One Dollar ($1.00), lawful money of the United States of America, in hand paid to the Lessor by the Lessee, the receipt of which is hereby acknowledged, does hereby give and grant unto the lessee the exclusive right, privilege and option to purchase the mining claims and premises hereinbefore described on or before the 15th day of July, 1953, for the sum of FIVE THOUSAND DOLLARS ($5,000.00), in lawful money of the United States of America.

15. All royalties which may be paid by the Lessee to the Lessor as provided in the foregoing lease and option shall be credited upon the purchase price of said property.

16. Upon the payment in full of said purchase price in the manner and within the time hereinbefore provided for, the Lessor agrees to make, execute and deliver a good and sufficient mining deed conveying the above described mining claims to the Lessee or to his assigns free and clear of all liens and encumbrances, with a good and merchantable title, subject only to the paramount title of the United States of America.

17. It is further agreed that if, by reason of the violation of any of the covenants and agreements contained in the foregoing lease, the said lease shall become forfeited under the terms hereof, then the forfeiture of said lease shall likewise operate to terminate the option to purchase said property and release the said Lessor from any obligations hereunder.

18. In the event the Lessee or his heirs or assigns shall make default in or fail to comply with any of the terms or provisions herein contained, then the Lessor may terminate this lease and option upon 30 days written notice to the Lessee of his intention to declare this lease and option at an end. If the Lessee shall fail within said 30 days to correct or make good any violation of the terms and provisions of this lease and option on account of which such notice of default has been given, then and thereupon this lease and option shall terminate.

19. Notwithstanding the foregoing provisions with reference to default, it is stipulated and agreed that if the Lessee shall fail to do and perform the annual assessment work within the time hereinbefore provided or shall fail to pay royalties as and when hereinabove provided, or shall fail to post notices of non-liability prior to commencing work hereunder and keep same posted, or shall fail to secure proper liability insurance as hereinbefore provided before commencing operations hereunder, and to maintain the same, then Lessor may terminate this lease and option forthwith without notice.

20. In the event of the termination of this lease and option otherwise than by the purchase of said property, the Lessee shall forthwith deliver to the Lessor the peaceable possession of said premises and shall be relieved of any further liability hereunder, and in such event any and all sums of money theretofore paid by the Lessee or his heirs or assigns unto the Lessor, either as installments or as royalties on account of said purchase price, shall be retained by the Lessor as rent for the use and occupation of said property and as agreed liquidated damages for and on account of the termination of this lease and option.

21. It is understood and agreed that the Lessee shall have the right and privilege of assigning this lease and option.

22. Notices as herein provided for may be given to the Lessor by mail addressed to him at Post Office Box 1757, Globe, Arizona, and to the Lessee by mail addressed to him at Post Office Box 1276, Globe, Arizona.

23. Time is of the essence of this lease and option and all of the terms, conditions and agreements herein contained shall extend to and be binding upon and inure to the benefit of the heirs, executors, administrators and assigns of the parties hereto.

IN WITNESS WHEREOF, the said parties hereto have hereunto and to a duplicate coyp hereof set their hands and seals the day and year first hereinabove written.

F. T. Ramsdell
Lessor

P. D. Parker
Lessee

STATE OF ARIZONA }
} ss:
COUNTY OF GILA }

On this 17th day of July, 1951, before me, CULLEN A. LITTLE, the undersigned officer, personally appeared F. T. RAMSDELL and P. D. PARKER, known to me (or satisfactorily proven) to be the persons whose names are subscribed to the foregoing insorument, and acknowledged that they executed the same for the purpose therein contained.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal.

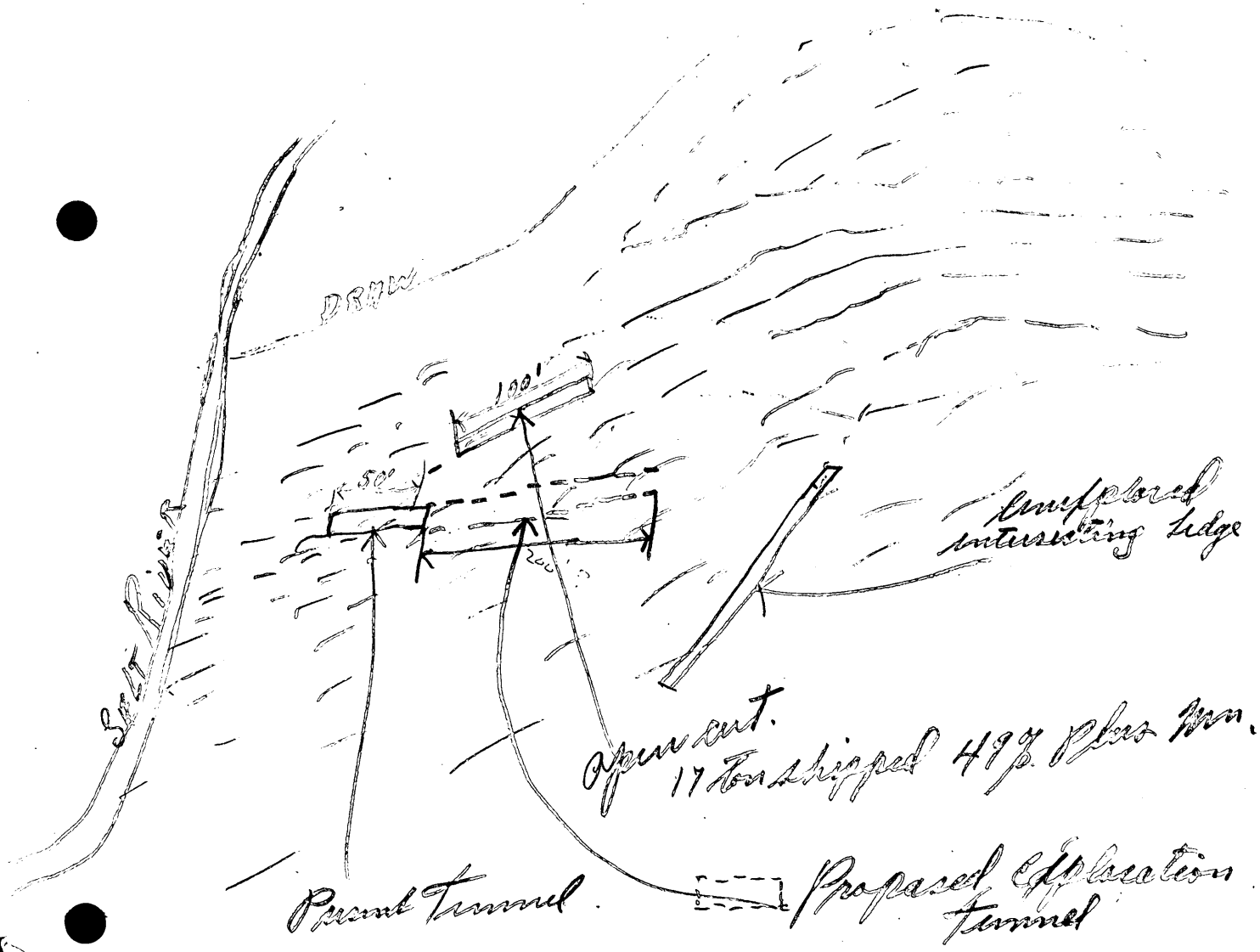
Cullen A. Little
Notary Public

My Commission Expires:
March 13, 1952.

REGIONAL DIRECTOR'S
OFFICE
REGION IV
AUG 22 1951
BUREAU OF MINES
DENVER, COLORADO

DMA-2009

Ramsdell Mining Property



REGIONAL OFFICE
REGION IV
AUG 22 1951
BUREAU OF MINES
DENVER, COLORADO

Form MF-100
(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 2009

Date received 8-27-51

Participation

Mr. J. W. East
U. S. Bureau of Mines
224 New Custom House
Denver 2, Colorado

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 27 1951

P. D. PARKER
P.O.Box 1276
Globe, Arizona

Name and address of applicant

Date August 17, 1951

FILL IN THIS BLOCK

Date of application August 17, 1951

Estimated cost $3200.00

Mineral or metal Manganese

Percentage of Government participation 75%

Location of mine Gila County, Arizona

Date of filing MF-100 None

DMA Docket Number, if available ~~None~~ 2009

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.
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)?

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

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 or 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.
    (*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.

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 R. Parker (Signature of authorized official)
8/20/57 (Date)	LESSEE - 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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

Docket No. DMA2009

Date received AUG 27 1951

Participation

Mr. J. W. East
U. S. Bureau of Mines
224 New Custom House
Denver 2, Colorado

REGIONAL DIRECTOR'S OFFICE
REGION IV
AUG 22 1951
BUREAU OF MINES
DENVER, COLORADO

P. D. PARKER
P.O.Box 1275
Globe, Arizona

Name and address of applicant

Date August 17, 1951

FILL IN THIS BLOCK

Date of application August 17, 1951

Estimated cost $3200.00

Mineral or metal Manganese

Percentage of Government participation 75%

Location of mine Gila County, Arizona

Date of filing MF-100 None

DMA Docket Number, if available 2009

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.
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)?

*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 or 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.
    (*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.

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.

By P. D. Parker
(Signature of authorized official)

(Name of company)

8/20/57
(Date)

LESSEE - 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

n MF-103
pril 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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 27 1951

Docket No. DMA 2009

Date received

Participation

REGIONAL DIRECTOR'S OFFICE
REGION IV
AUG 22 1951
BUREAU OF MINES
DENVER, COLORADO

Mr. J. W. East
U. S. Bureau of Mines
224 New Custom House
Denver 2, Colorado

P. D. PARKER
P.O.Box 1276
Globe, Arizona

Name and address of applicant

Date August 17, 1951

FILL IN THIS BLOCK

Date of application August 17, 1951

Estimated cost $3200.00

Mineral or metal Manganese

Percentage of Government participation 75%

Location of mine Gila County, Arizona

Date of filing MF-100 None

DMA Docket Number, if available None

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.
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)?

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

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 or 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.
    (*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.

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 R D Parker (Signature of authorized official)
8/20/57 (Date)	LESSEE - 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

APPLICATION FOR EXPLORATION PROJECT UNDER MINERAL ORDER 5
(Form 103 Attached)

REGIONAL DIRECTOR'S
OFFICE
REGION IV
AUG 22 1951
BUREAU OF MINES
DENVER, COLORADO

1. Individual

2. See 1

3. See 1

4. Ten years' experience as hard rock miner, western and northern Idaho, Eastern Oregon, Missouri and Oklahoma; mostly contracting, also shift boss and jigger boss in shafts.

   Operating major service station, Casper, Wyoming; business manager of Natrona County High School and School District #2, Casper, Natrona County, Wyoming. In full charge of business office, handling approximately $750,000.00 annually. Six years in Arizona in charge of drilling exploration, principally for Magma Copper Company, Superior, Arizona, Amico Copper Corporation and Miami Copper Company, Miami, Ariz.

5. Lessee

6. See 5

7. Duplicate copy Lease and Option attached and it is in good standing.

8. Have been working for salary for above mentioned companies. Own a $4,000.00 trailer house and 1950 Oldsmobile car/

9. Sufficient funds to meet my share of the estimated $4,000.00.

10. (a) Mining claims as shown on enclosed Mining Lease and Option.

    (b) See enclosed Lease and Option, also Map of Gila County.

11. Ramsdell Mine

12. The mine is approximately 5 miles from present graded dirt road and 15 miles on graded dirt road to U.S.Highway 60; 20 miles by paved road (U.S.60) to Globe, Arizona, nearest railroad shipping point. (Application has been filed for Access Road -Form MF 105, in your office.

13. Salt River approximately 1/4 mile from mine, flows year around. Power to be used will be self powered air compressor unit either Deisel or gasoline.

14. None except short mine drift which can be used if desired.

15. Ore will be shipped to Globe, Arizona by truck and shipped by railroad to Deming, New Mexico.

16. (a) Approximately 50 feet of drift has been run on ledge and about 100 feet of open cut on ledge has been run, from which about 17 tons of ore was shipped which averaged slightly better than 49% manganese.

(b) Considerable amount of high grade manganese was shipped from the Indian Reservation directly across Salt River. (See map enclosed)

(c) None outside of assays enclosed and analysis by Colorado Fuel and Iron Corporation, which is given below.

17. Not in production

18. See 16-A above.

19. There are two distinct ledge outcrops on the property with only the work as outlined above, toward exploration. There is approximately ten tons of high grade ore sorted on the dump at this time.

20. For manganese ore only deposited in ledge form.

21. Propose to drift on one or both ledges until ore is contacted. The time involved is estimated as two months from granting of loan.

22. Cropping of ledges, large amount of float found on mountain side immediately adjacent and below croppings. Small amount of work as outlined above that has been done. The intersecting of the ledges higher on the mountain and the excellent assays and 49% plus on the ore that was shipped. (See map enclosed.)

(TWO MONTHS' OPERATION)

23.	A - 2 miners @ $12.50 per shift	$1,500.00
	B - 1 Supervisor. He will take care of transportation and generally assist in the mining operation	900.00
	C - None	
	D - Two tents and camp equipment	200.00
	E - None	
	F - One compressor @ $200.00 per month, 1 gas driven pump and 1" water line	600.00
	G - None	
	H - Food, powder, caps & fuse, miscellaneous small tools including drill bits	400.00
	I - Fuel and tramsportation (power)	400.00
	Total cost of operation	$4,000.00

1st 30 DAYS

24.	Building cabin and moving equipment on property; driving 50' of tunnel	$2,000.00
	2nd 30 days - driving 150' tunnel	2,000.00
		$4,000.00

ANALYSIS OF ORE BY COLORADO FUEL & IRON CORPORATION, PUEBLO, COLO. #7835

Fe	1.4
SiO_2	2.4
Al_2O_3	.2
Phos.	.038
Mn	48.77
Sul	Nil
B_aO	3.4

APPLICATION FOR EXPLORATION PROJECT UNDER MINERAL ORDER 5
(Form 103 Attached)

1. Individual

2. See 1

3. See 1

4. Ten years' experience as hard rock miner, western and northern Idaho, Eastern Oregon, Missouri and Oklahoma; mostly contracting, also shift boss and jigger boss in shafts.

   Operating major service station, Casper, Wyoming; business manager of Natrona County High School and School District #2, Casper, Natrona County, Wyoming. In full charge of business office, handling approximately $750,000.00 annually. Six years in Arizona in charge of drilling exploration, principally for Magma Copper Company, Superior, Arizona, Amico Copper Corporation and Miami Copper Company, Miami, Ariz.

5. Lessee

6. See 5

7. Duplicate copy Lease and Option attached and it is in good standing.

8. Have been working for salary for above mentioned companies. Own a $4,000.00 trailer house and 1950 Oldsmobile car/

9. Sufficient funds to meet my share of the estimated $4,000.00.

10. (a) Mining claims as shown on enclosed Mining Lease and Option.

    (b) See enclosed Lease and Option, also Map of Gila County.

11. Ramsdell Mine

12. The mine is approximately 5 miles from present graded dirt road and 15 miles on graded dirt road to U.S.Highway 60; 20 miles by paved road (U.S.60) to Globe, Arizona, nearest railroad shipping point. (Application has been filed for Access Road -Form MF 105, in your office.

13. Salt River approximately 1/4 mile from mine, flows year around. Power to be used will be self powered air compresser unit either Deisel or gasoline.

14. None except short mine drift which can be used if desired.

15. Ore will be shipped to Globe, Arizona by truck and shipped by railroad to Deming, New Mexico.

16. (a) Approximately 50 feet of drift has been run on ledge and about 100 feet of open cut on ledge has been run, from which about 17 tons of ore was shipped which averaged slightly better than 49% manganese.

(b) Considerable amount of high grade manganese was shipped from the Indian Reservation directly across Salt River. (See map enclosed)

(c) None outside of assays enclosed and analysis by Colorado Fuel and Iron Corporation, which is given below.

17. Not in production

18. See 16-A above.

19. There are two distinct ledge outcrops on the property with only the work as outlined above, toward exploration. There is approximately ten tons of high grade ore sorted on the dump at this time.

20. For manganese ore only deposited in ledge form.

21. Propose to drift on one or both ledges until ore is contacted. The time involved is estimated as two months from granting of loan.

22. Cropping of ledges, large amount of float found on mountain side immediately adjacent and below croppings. Small amount of work as outlined above that has been done. The intersecting of the ledges higher on the mountain and the excellent assays and 49% plus on the ore that was shipped. (See map enclosed.)

(TWO MONTHS' OPERATION)

23.	A - 2 miners @ $12.50 per shift	$1,500.00
	B - 1 Supervisor. He will take care of transportation and generally assist in the mining operation	900.00
	C - None	
	D - Two tents and camp equipment	200.00
	E - None	
	F - One compressor @ $200.00 per month, 1 gas driven pump and 1" water line	600.00
	G - None	
	H - Food, powder, caps & fuse, miscellaneous small tools including drill bits	400.00
	I - Fuel and transportation (power)	400.00
	Total cost of operation	$4,000.00

RECEIVED
MAR 5 1943
DEPARTMENT OF THE INTERIOR
MINERALS ADMINISTRATION

1st 30 DAYS

24.	Building cabin and moving equipment on property; driving 50' of tunnel	$2,000.00
	2nd 30 days - driving 150' tunnel	2,000.00
		$4,000.00

ANALYSIS OF ORE BY COLORADO FUEL & IRON CORPORATION, PUEBLO, COLO. #7835

Fe	1.4
SiO_2	2.4
Al_2O_3	.2
Phos.	.038
Mn	48.77
Sul	Nil
B_aO	3.4

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 27 1951

APPLICATION FOR EXPLORATION PROJECT UNDER MINERAL ORDER 5
(Form 103 Attached)

1. Individual

2. See 1

3. See 1

4. Ten years' experience as hard rock miner, western and northern Idaho, Eastern Oregon, Missouri and Oklahoma; mostly contracting, also shift boss and jigger boss in shafts.

   Operating major service station, Casper, Wyoming; business manager of Natrona County High School and School District #2, Casper, Natrona County, Wyoming. In full charge of business office, handling approximately $750,000.00 annually. Six years in Arizona in charge of drilling exploration, principally for Magma Copper Company, Superior, Arizona, Amico Copper Corporation and Miami Copper Company, Miami, Ariz.

5. Lessee

6. See 5

7. Duplicate copy Lease and Option attached and it is in good standing.

8. Have been working for salary for above mentioned companies. Own a $4,000.00 trailer house and 1950 Oldsmobile car/

9. Sufficient funds to meet my share of the estimated $4,000.00.

10. (a) Mining claims as shown on enclosed Mining Lease and Option.

    (b) See enclosed Lease and Option, also Map of Gila County.

11. Ramsdell Mine

12. The mine is approximately 5 miles from present graded dirt road and 15 miles on graded dirt road to U.S.Highway 60; 20 miles by paved road (U.S.60) to Globe, Arizona, nearest railroad shipping point. (Application has been filed for Access Road -Form MF 105, in your office.

13. Salt River approximately 1/4 mile from mine, flows year around. Power to be used will be self powered air compressor unit either Deisel or gasoline.

14. None except short mine drift which can be used if desired.

15. Ore will be shipped to Globe, Arizona by truck and shipped by railroad to Deming, New Mexico.

16. (a) Approximately 50 feet of drift has been run on ledge and about 100 feet of open cut on ledge has been run, from which about 17 tons of ore was shipped which averaged slightly better than 49% manganese.

(b) Considerable amount of high grade manganese was shipped from the Indian Reservation directly across Salt River. (See map enclosed)

(c) None outside of assays enclosed and analysis by Colorado Fuel and Iron Corporation, which is given below.

17. Not in production

18. See 16-A above.

19. There are two distinct ledge outcrops on the property with only the work as outlined above, toward exploration. There is approximately ten tons of high grade ore sorted on the dump at this time.

20. For manganese ore only deposited in ledge form.

21. Propose to drift on one or both ledges until ore is contacted. The time involved is estimated as two months from granting of loan.

22. Cropping of ledges, large amount of float found on mountain side immediately adjacent and below croppings. Small amount of work as outlined above that has been done. The intersecting of the ledges higher on the mountain and the excellent assays and 49% plus on the ore that was shipped. (See map enclosed.)

(TWO MONTHS' OPERATION)

23.	A - 2 miners @ $12.50 per shift	$1,500.00
	B - 1 Supervisor. He will take care of transportation and generally assist in the mining operation	900.00
	C - None	
	D - Two tents and camp equipment	200.00
	E - None	
	F - One compresser @ $200.00 per month, 1 gas driven pump and 1" water line	600.00
	G - None	
	H - Feed, powder, caps & fuse, miscellaneous small tools including drill bits	400.00
	I - Fuel and transportation (power)	400.00
	Total cost of operation	$4,000.00

1st 30 DAYS

24.	Building cabin and moving equipment on property; driving 50' of tunnel	$2,000.00
	2nd 30 days - driving 150' tunnel	2,000.00
		$4,000.00

ANALYSIS OF ORE BY COLORADO FUEL & IRON CORPORATION, PUEBLO, COLO. #7835

Fe	1.4
SiO_2	2.4
Al_2O_3	.2
Phos.	.038
Mn	48.77
Sul	Nil
B_aO	3.4

MAP OF GILA COUNTY ARIZONA

Scale in Miles

0 1 2 3 4 5 6 7 8 9 10

Compiled from U.S. Geological Survey, U.S. Forest Service, U.S. Indian Service, Gila County Highway Department and other maps and surveys, and drawn by N.F. NEWMAN, Assistant County Engineer 1920 ~ 1921.

Board of Geographic Names says Pleasant Valley is located in Gila county at Long. 34°06'N. Lat. 110°55'W. 2/2/53

P. D. PARKER

RANSDELL MARSHALL MINE

PROPOSED ROAD

JOHN PEERS RANCH ALSO END OF PRESENT ROAD

COCONINO COUNTY

NAVAJO COUNTY

YAVAPAI COUNTY

MARICOPA COUNTY

PINAL COUNTY

GRAHAM COUNTY

SAN CARLOS INDIAN RESERVATION

SIERRA ANCHA

APACHE MOUNTAINS

Pine · Strawberry · Payson · Star Valley · Young · North Young · Gisela · Rye · Tonto · Roosevelt · Chrysotile · McMillenville · GLOBE · Miami · Hayden · Winkleman

Roosevelt Dam · Roosevelt Reservoir · Salt River · Tonto Creek · Cherry Creek · Pleasant Valley · Black River · White River · San Carlos River · Gila River · Fort Apache Military Res. · Ft. Apache

TO PRESCOTT · TO WINSLOW · TO HEBER · TO SHOWLOW · TO PHOENIX · TO SUPERIOR · TO SAFFORD · TO FLORENCE · BUSH HWY. TO MESA

JULIUS MILTON
County Engineer
April 1921

Revised April 1941
D.A. Flickinger, County Engr

MAP OF CITY OF GLOBE

CITY LIMITS