FILE COPY
SURNAME:

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

March 16, 1953

Rutledge
Martin

Iron and Ferro-Alloys Division, DMEA

Denial of application by Field Team, Region IV
Docket No. DMEA 2829 - Manganese
Jordan Baisoglu and George Anthony
Black Diamond Manganese Claim
Maricopa County, Arizona

The applicants requested exploration assistance in the amount of $10,535.00 to strip by bulldozing more of the vein, sink the shaft another 25 feet, and drift and crosscut on the 50-foot and 75-foot levels.

Manganese at the Black Diamond claim occurs as pyrolusite in a vein varying from 2 to 5 feet in width. The vein strikes N. 55° W. and dips 70° to the north. The vein can be traced by several manganese outcrops. An open cut 15 to 20 feet long and about 5 feet deep has been worked on the most important of these outcrops. About twenty tons of 24.1 percent manganese has been mined from this cut.

The applicants sank a 50-foot shaft midway between the two most favorable outcrops and drove a 30-foot drift westerly from the bottom of the shaft. No ore of shipping grade was encountered, and there is no reason to expect that additional exploration will develop a significant tonnage of manganese ore.

The application was denied by the Field Team, and Messrs. Baisoglu and Anthony were advised of this action by letter of February 18, 1953. The U. S. Geological Survey Commodity Specialist on February 26, 1953 sustained the denial.

We concur in the denial.

cc: Docket
Code 400
Admn. Read. File

W. S. Martin

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

FARutledge/hhb
3/16/53

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : Administrator, DMEA

DATE: March 16, 1953

FROM : Iron and Ferro-Alloys Division, DMEA

Noted

SUBJECT: Denial of application by Field Team, Region IV
Docket No. DMEA 2829 - Manganese
Jordan Baisoglu and George Anthony
Black Diamond Manganese Claim
Maricopa County, Arizona

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We concur in the denial.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

February 18, 1953.

Mining Division
Region IV

Memorandum

To: Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Final Report, BML Docket 8889, (Manganese), Black Diamond Manganese Claim, Maricopa County, Arizona.

Enclosed are nine copies of the final engineering report on the subject docket.

The examining engineer found that the ore is not continuous between the outcrops and there was no reason to expect that the applicant's proposal would result in finding ore in significant amounts.

We concur in the examiner's recommendation that the application in the amount of $10,555.00 be denied.

W. H. King

Enclosures

W. H. King

Reviewed by
DELLA OKLAHOMA CARRIER

2-27-53
(date)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 2 1953

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

224 New Customhouse
Denver 2, Colorado

February 18, 1953.

Re: DMEA Docket 2829

Mr. Jordon Baisoglu
Mr. George Anthony
4446 Third Avenue
Detroit, Michigan

Gentlemen:

Reference is made to your application for Government aid on the Black Diamond Manganese Claim.

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

A careful study of your property and data available to this agency, reveals that the probability of disclosing mineable reserves of manganese by your proposed exploration program is not considered sufficiently promising to justify Government participation. Under these circumstances, we regret to advise that your application for exploration aid is denied.

Very truly yours,

W. H. King

W. H. King
Field Team, Region IV

A. H. Koschmann

A. H. Koschmann
Field Team, Region IV

HMC:cwm
cc: Administrator (DMEA)
WRStorms
Subject
Chron.
Koschmann (2)

Reviewed by
DMEA OPERATING COMMITTEE
2-27-53
(date)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 2 1953

224 New Customhouse
Denver 2, Colorado

February 18, 1953.

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: 210

From: Field Team, Region IV

Subject: Final Report, DMEA Docket 2829 (Manganese), Black Diamond Manganese Claim, Maricopa County, Arizona.

Enclosed are four copies of the final report on the subject docket, two copies of Form 3b, and a copy of the letter of denial to the applicants.

W. H. King

W. H. King

A. H. Koschmann

A. H. Koschmann

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
2-27-53
(date)

MINING DIVISION
REGION IV

February 5, 1953

Memorandum

To : W. A. King, Chief, Mining Division, Region IV

From : Chief, Mining Methods Br., Min. Div., Region IV

Subject : Final Report, Docket DMEA-2829, Black Diamond Manganese Claim, Vulture Mining District, Maricopa County, Ariz.

Enclosed are original and 8 copies of the above report by Charles A. Kunke and Robert W. Ageton of the Bureau of Mines. A separate report on geology will not be submitted by the Geological Survey.

The examiners state that there is no reason to expect that completion of this project would result in exposing a significant tonnage of manganese ore, so redommend denial of a loan. I concur with their recommendations.

Brochure is enclosed.

Walter R. Storms

Walter R. Storms

cc: W. A. King (8)
A. F. Shride
DMEA-2829
DF

WRStorms:als

Reviewed by
DMEA OPERATING COMMITTEE

2-27-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMEA-2829, Black Diamond Manganese Claim,

Vulture Mining District

Maricopa County, Arizona

Chas. A. Kumke, Mining Engineer
U. S. Bureau of Mines

Robert W. Ageton, Mining Engineer
U. S. Bureau of Mines

February 1953

Reviewed by
DMEA OPERATING COMMITTEE

2-27-53
(date)

SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

By Chas. A. Kumke[1], and Robert W. Ageton[1]

It was requested in December 1952 by the Operating Committee, Defense Minerals Exploration Administration, that the Field Team, Region IV, examine the Black Diamond manganese claim in Maricopa County, Ariz. Applicants Jordan Baisoglu and George Anthony were requesting assistance from the Government under the Defense Production Act of 1950, as amended, to do exploratory work on their property to cost $10,535.00.

It was proposed to extend the present 30-foot drift on the 50-foot level of the shaft another 15 feet, then drive a 20 foot crosscut. It was further proposed to sink the present 50-foot prospect shaft another 25 feet and from this point drift 150 feet easterly on the vein. From the end of this drift, 50 feet of crosscutting was proposed. A small amount of bulldozer work also was called for to expose more of the vein along the surface.

On January 20, 1953, Chas. A. Kumke[1] and Robert W. Ageton[1] visited the property although there was no one there. However, no difficulties were experienced in finding the claim.

The property consists of one full-sized, unpatented lode claim that covers the vein along the strike. This strike is N. 55° W. The vein can be traced by several manganese outcrops. An open cut 15 to 20 feet long and about 5 feet deep has been worked on the most important of these outcrops. Twenty tons of sorted ore which

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

were obtained from this work, were piled near this cut. A sample was taken of this ore pile. It assayed 24.1 percent Mn. A sample cut across the east end (3 feet) of the cut assayed 19.6 percent manganese, and another sample cut across the vein (4.2 feet) in the deepest part of the cut, assayed 12.6 percent manganese. This drop in values may have been the reason for stopping work at this place.

The applicants sank a 50-foot prospect shaft midway between the two most favorable outcrops and also drove a 30 foot westerly drift on the vein from the bottom of this shaft. No ore of shipping grade was encountered in this work. The vein at the main outcrop measures from 3 to 5 feet in width. There is no reason to expect that completion of the proposal would result in exposing a significant tonnage of manganese ore. Government participation in the proposal does not seem advisable at this time.

The examining engineers were unable to examine the shaft beyond the first ladder as there were two ladders missing at that point. A pitch of 70 to 75 degrees made an attempt to go beyond the first ladder appear too hazardous.

Viewing the vein on both sides of the shaft from the bottom of the first ladder, it was apparent that the top half of the shaft had been in waste material. The material on the shaft dump was mute evidence that there was no improvement in the lower half of the work.

It is recommended that the application be denied.

DMEA-2829, BLACK DIAMOND MANGANESE CLAIM
VULTURE MINING DISTRICT
MARICOPA COUNTY, ARIZONA

Engineering Report

By Chas. A. Kumke,
Mining Engineer
U. S. Bureau of Mines

February 1953

DMEA-2829, BLACK DIAMOND MANGANESE CLAIM
VULTURE MINING DISTRICT
MARICOPA COUNTY, ARIZONA

CONTENTS

Engineering report	Page
Introduction	1
Location and accessibility	2
Physical features and climate	2
History and production	3
Ownership and extent	4
Description of deposit	4
Ore reserves	4
Proposed exploration and development	5
Conclusions	6
Recommendations	7

ILLUSTRATIONS

Figure		Following page
1	Location map	1
2	Claim map	3

INTRODUCTION

Under date of Dec. 19, 1952, the Operating Committee, Defense Minerals Exploration Administration, requested that the Field Team, Region IV, make an examination of the Black Diamond manganese claim, Maricopa County, Ariz. The applicants, Jordon Baisolgu and George Anthony, were requesting assistance from the Government to do exploratory work estimated to cost $10,535.00.

It was proposed that the present 30-foot drift at the 50-foot level of the 50-foot shaft be advanced another 15 feet, and that 20 feet of crosscutting then be done at the far end of this drifting. It was further proposed to sink the present 50-foot prospect shaft an additional 25 feet, and then do 150 feet of drifting and 50 feet of crosscutting on the new 75-foot level. A small amount of bulldozer work also was called for to expose more of the vein along the surface.

On January 20, 1953, Chas. A. Kumke[1/] and Robert W. Ageton[1/] visited the property while in that vicinity. The applicants had stated that Charles Dunning, a well known mining engineer of Phoenix, Ariz. was their consultant. Kumke and Ageton stopped in Phoenix to see Dunning and learned from him that he had not been retained by the applicants. However, Dunning did give valuable information to the examiners.

The property consists of one full-sized, unpatented lode claim covering the vein. The vein strikes N. 55° W. and dips 70° to 75° to the north. The original work was done on three of the surface

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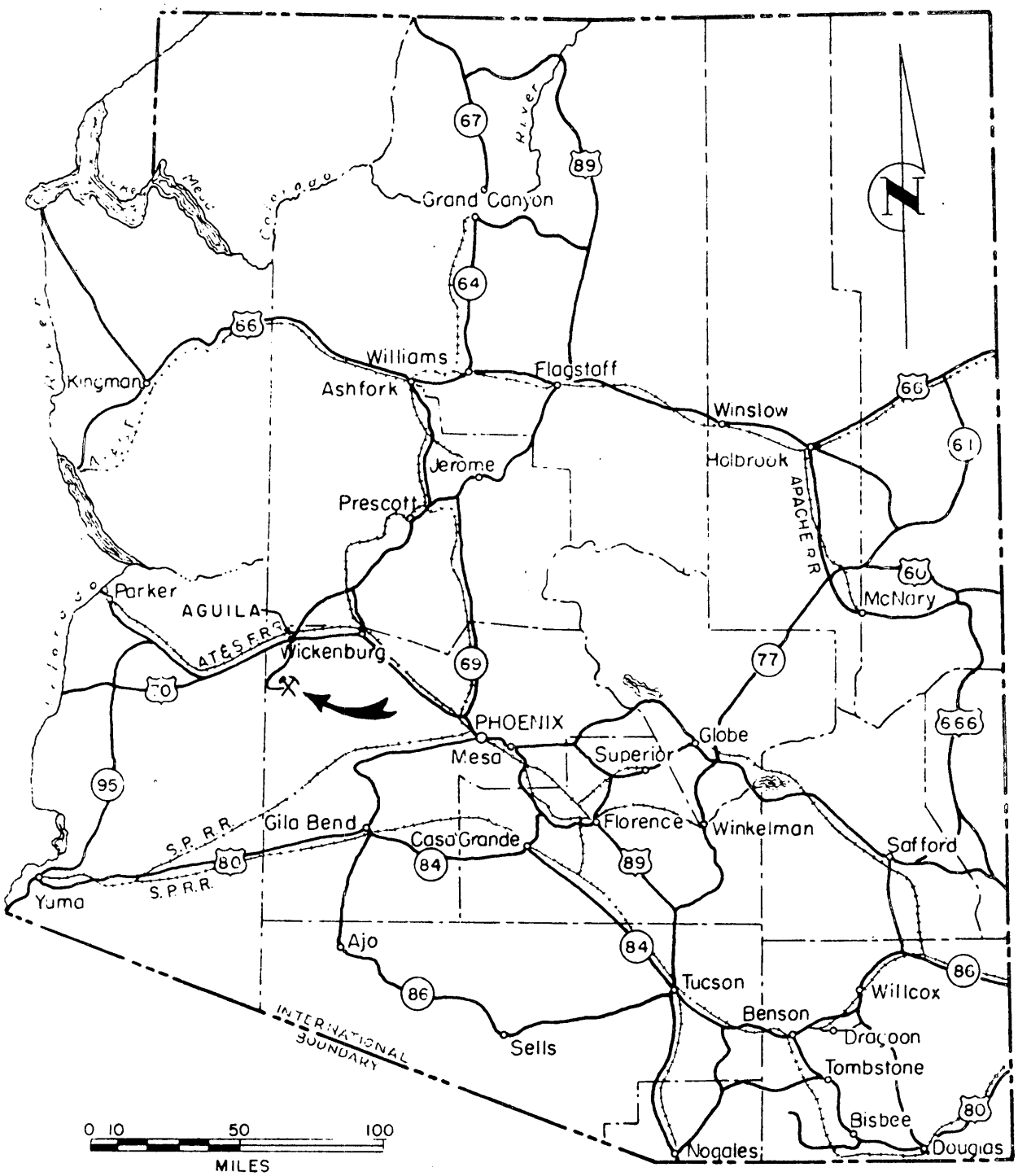
1/ Mining Engineer, U. S. Bureau of Mines



DMEA 2899 JAN. 20, 1953

FIGURE 1. - LOCATION MAP

BLACK DIAMOND CLAIM - MANGANESE

15 MILES SOUTH OF AGUILA, ARIZONA

MARICOPA COUNTY, ARIZONA

outcrops, presumably by the owner. The shaft site was selected by the applicants midway between two of the exposures. The shaft is 50 feet deep, and judging from the rock on the dump, all the work was done in waste rock and some low-grade ore. Two ladders were missing in this shaft, so the engineers did not go down below the 25-foot point. Surface workings were examined and three samples were taken.

LOCATION AND ACCESSIBILITY

The Black Diamond manganese claim is situated 15 road miles south of Aguila, Ariz., in the Vulture Mining District of Maricopa County (figure 1). Aguila is the nearest city. From the property to the Government manganese stock pile in Wenden is 39 miles. The 15-mile road south of the main Aguila-to-Wenden highway can be classed as good for ore hauling. There are no excessive grades. This road is maintained by county road equipment.

PHYSICAL FEATURES AND CLIMATE

The region is typical Arizona desert country. The climate is arid. Rainfall seldom exceeds six inches per year. The desert growth consists of the usual mesquite, greasewood, and palo verde, as well as many varieties of cacti. The elevation is about 2,000 feet above sea level. Winters are very mild and summers are very hot. Temperatures above 115 degrees are not uncommon during July and August.

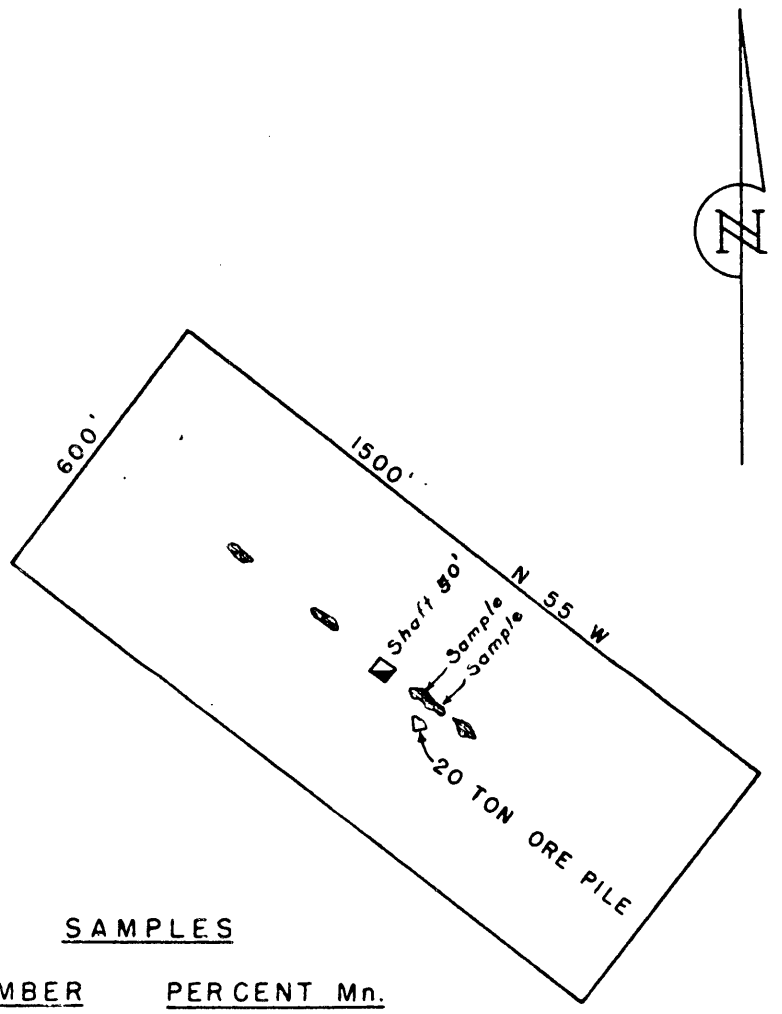
HISTORY AND PRODUCTION

Albert C. Stuart of Wickenburg, Ariz. located the Black Diamond manganese claim on February 6, 1952, and on November 26, 1952 he gave a five year lease to Jordon Baisoglua and George Anthony, the present applicants. The mailing address of both applicants is given as 4446 Third Ave., Detroit 1, Michigan.

There are several manganese ore outcrops on the vein (figure 2). The most prominent of these is 15 to 20 feet long and 4 to 7 feet wide. It was here that Stuart, the owner, performed his only work. The maximum depth reached was not over 5 feet and this hole, about 15 to 20 feet in length, yielded about 20 tons of hand-sorted ore. A grab sample of this ore pile, taken by the examining engineers, assayed 24.1 percent manganese. According to the lease, this ore remains the property of the owner and must not be shipped by the applicants.

Two samples were taken by the DMEA examiners in this main surface cut. One, a 3-foot cut across the east end or face, assayed 19.6 percent manganese, and one across the ore in the bottom of the workings assayed 12.6 percent manganese. The width of the ore where this sample was taken was 4.2 feet. This last sample with only a few feet of added depth below the first sample indicates a perceptible drop in the grade of the ore. This drop in grade may have been the reason why this work was stopped.

When the applicants decided to sink a prospect shaft, a point was chosen midway between the two main outcrops (see figure 2). The sinking was stopped at 50 feet and a drift was run on the west



SAMPLES

NUMBER	PERCENT Mn.		
*14665	24.1 %	-	20 TON ORE PILE
*14666	19.6 %	-	EAST END OF SURFACE CUT
*14667	12.6 %	-	WEST END OF SURFACE CUT ACROSS THE BOTTOM

SCALE - 1 INCH = 40 FEET

DMEA 2899 JAN. 20, 1953

FIGURE 2. - BLACK DIAMOND CLAIM MAP

MARICOPA COUNTY, ARIZONA

side for 30 feet. The shaft dump indicates that all of this work was done in waste and very low-grade rock. The examining engineers entered the shaft to the end of the first ladder at 25 feet. The next two ladders were missing and it was deemed too hazardous to go farther. The appearance of the shaft sides indicated that no ore had been taken from the first 25 to 30 feet of shaft work. Apparently no shipments have been made from this claim.

OWNERSHIP AND EXTENT

The Black Diamond manganese property consists of only one unpatented full lode claim (figure 2). The owner, Albert C. Stuart of Wickenburg, Ariz., located this claim on February 6, 1952. A 5-year lease was granted to the applicants on Nov. 26, 1952. A copy of the lease is attached to docket DMEA-2829.

There is no mining equipment on the property. There are no buildings of any kind.

DESCRIPTION OF THE DEPOSIT

Manganese occurs as pyrolusite in a vein deposit varying in width from 2 to 5 feet. The vein is a fissure vein, which strikes N. 55° W., dips 70 degrees to the north, and outcrops in several different places. A prospect shaft between two outcrops did not expose any ore of shipping grade. This would indicate that the ore in depth is not continuous between outcrops.

ORE RESERVES

There are no ore reserves. There has not been sufficient work done on the deposit to permit even an estimate.

PROPOSED EXPLORATION AND DEVELOPMENT

Applicants Baisoglu and Anthony proposed that on the present 50-foot level of the shaft, the drift be advanced another 15 feet, to be followed by 20 feet of crosscutting at the end of this drifting. It was further proposed to deepen the shaft another 25 feet, then drift easterly on the vein for 150 feet. At this point 50 feet of crosscutting also was called for.

A small amount of bulldozer work to uncover the vein on surface also was included in the estimate.

Cost estimates for the proposal are as follows:

Bulldozing (3 days) @ $88.00 per day	$ 264.00
15 ft. of drifting on 50-ft. level @ $30 per ft.	450.00
20 ft. of crosscutting on 50-ft. level @ $30.00 per ft.	600.00
25 ft. of sinking in present shaft @ $45.00 per ft..	1,125.00
150 ft. of drifting on 75-ft. level @ $30.00 per ft.	4,500.00
50 ft. of crosscutting on 75-ft. level @ $30.00 per ft.	1,500.00
Consulting and engineering	600.00
Assaying	200.00
Accounting	140.00
Equipment	
Rental, compressor, $164.00 per month, 4 months	656.00
Rental, hoist, $75.00 per month, 4 months	300.00
Rental, ore cars and tracks	200.00
Total	$10,535.00

The above estimate evidently calls for all contract work. A number of items have been overlooked. Daily foreman supervision, water truck and tanks, sinking buckets, lumber, tools, a shop building, fuel and other supplies would require raising the estimate by not less than $2,000.00.

CONCLUSIONS

Sinking the prospect shaft between the two most promising outcrops was an advisable procedure, because the work would prove whether or not the ore in the vein was continuous in depth from one outcrop to the other.

Judging from the shaft dump material, no ore of any significance was encountered, either in the 50 feet of shaft work or in the 30 feet of drifting from the bottom of the shaft (westerly). Two ladders in the shaft were missing. The engineers examined the shaft down to the end of the first ladder. From this point it was fairly evident that there had been no significant amount of shipping ore in the first 25 feet of shaft work. There was no reason to expect ore in the last 25 feet. The engineers did not go beyond the place where the ladders were missing. The steepness of the shaft (70 to 75°) made such an undertaking appear hazardous.

The pile of sorted ore, taken from the work done on the main outcrop, assayed 24.1 percent manganese. A cut sample across the ore in the bottom of this surface work at a depth of 5 feet, assayed 12.6 percent manganese although a sample only a few feet higher assayed 19.6 percent. A drop in values is indicated in depth.

The shaft has disclosed that the ore is not continuous between the two most prominent outcrops. There is no reason to expect that the carrying-out of applicants' proposal will result in finding ore in significant amounts. Government participation is not advisable at this time.

RECOMMENDATIONS

It is recommended that the application be denied.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

WASHINGTON 25, D. C.

December 19, 1952

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: 200

From: Executive Officer, Field Team, Region IV

Subject: Docketing for Exploration Assistance

Enclosed herewith in duplicate is DMA Form 3a and Form MF-103 in duplicate and supporting data pertaining to the following applications for Government assistance in exploration work.

Jordon Baisoglu & George Anthony
446 Third Ave.
Detroit 1, Michigan

~~Harris Skumway and Lee Skumway~~
~~Blanding, Utah~~

John F. Shaw for
W. H. King

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 23 1952

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. DMEA-2829
Metal or Mineral
Date Received 12/29/52
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Jordon Baisoglu and George Anthony 4446- Third Ave Detroit 1 Michigan Partnership

(Answers to the following questions are on the attached sheets)

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract

(*b*) State any mine name by which the property is known.

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

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

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

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

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

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

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

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
16—66551-1
DEC 29 1952

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

.....

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☐ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated ....., 195..

George Anthony

(Applicant)

By Jordan Barisoglu

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

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

3. (a) The Claim is situated and located in the Vulture Mining District. in Maricopa County, in the State of Arizona, about 14 miles in a southerly direction from Aguila Arizona.
(b) Black Diamond Mining Claim.
(c) Lessee.
(d) Lease is enclosed.
(e) Does not apply.
(f) Docket 966 Page 177 recorded in Maricopa,County Arizona.

4. (a) Exploration workconsists of 50 ft. shaft, 30 ft. drift, 7x15x8 ft. cut on the surface, and 15 ft. opening which was made with drag line. This much we have done for the purpose of spot checking the depth, width, and grade in various points along the vein. The true length and width of the vein is still unknown because the biggest majority of it is covered by between 2 to 4 ft. of dirt over burden. Enclosed you'll find a milage map showing the exact location of the Claim.
(b) Inasmuch as this is a new claim there are no previous records.
(c) This is a vein type deposit and appears to have continuous contact for at least 600 ft. The ore which has been removed from the surface cut was 35% plus ore and our finding in the shaft, which incidentally was sunk in a very lean spot on the vein, shows that the vein has depths. Vein appears in both limestone and red sand stone formation. It is our opinion and that of our consultant engineer, Charles Dunning, that the prospects are very good for a discovery of a large deposit of high grade Manganese.
(d) We have good roads from the mine to Wendon, Government Manganese Purchasing depot, which is approximately 37 miles. Supplies are easily accessable and housing is plentiful in Aguila.
(e) Manpower,Materials,Supplies Equipment, and Water are also plentiful in Aguila.
5. (a) Manganese.
(b) Encluded is a map roughly showing the present workings and also propose work.
(c) 10 days 4 months.
(d) Our experience is limited to the work all ready done on this claim along with the assistance of our miner, John Allen, and consultant engineer, Charles Dunning.

6. (a) Cost estimate of propose work:
1. Bulldozing (three days work) @ $88.00 per day $264.00
2. Additional 15 ft. drift on present 30 ft. drift and cross cut 20 ft. @$30.00 per ft. $1,050,00
3. Sinking additional 25 ft. on persent 50 ft. shaft @ $4500 per ft. $1,125.00
4. Drifting 150 ft. on 75 ft. level @ $30.00 per ft. $4,500.00
5. Croosing 50 ft. on 75 ft. level @ $30,00 per ft. $1500.00
Total estimated cost $8,439.00

(b) The above estimated cost is figured to cover the cost of labor and suppies. The only additioal cost would be for our consultant engineer which would be for periodical consulations @ $150.00 per month. Total $600.00
(c) Operating materials and supplies encluded in above estimates. (Mention) in 6a)
(d) Equipment needed:
(a) Compressor $164.00 per month (Rental) $656.00
(b) Hoist $ 75.00 per month (Rental) $300.00
(c) Ore cars and tracks $50.00 per month (Rental) $200.00
(e) No repairs
(f) Does not apply

6. (g) Inasmuch as the work will be contracted we are not liable for workmens compensation or employers liability insurance. Assays of ore samples at $2.50 per sample. Total cost $200.00. Accounting $35.00 per month. Total $140.00

(h) None

7. (a) Yes

(b) Money. We are prepared to furnish our share of the cost with cash

Total Estimated Costs Complete:

Estimated Propose Work	$8,439.00
Estimated Consultant Engineer	$ 600.00
Estimated Ore Samples	200.00
Estimated Accounting	140.00
Estimated Equipment	$1,156.00
Total Estimated Cost	$10,535.00

LEASE OF MANGANESE MINING CLAIM

THIS INDENTURE Made this 26th day of November, 1952, between ALBERT C. STUART, the Lessor, hereinafter called the Party of the First Part, and JORDAN HAISOOIN and GEORGE ANTHONY, the Lessees, hereinafter called the Parties of the Second Part,

WITNESSETH:

That the said Party of the First Part does by these presents lease and demise unto the Parties of the Second Part that certain Manganese Mining Claim named the BLACK DIAMOND Mining Claim, situate in the Vulture Mining District, Maricopa County, State of Arizona, the description of which is fully set forth in the Notice of Location thereof on file and of record in Docket 966, at Page 177 thereof, in the office of the County Recorder of Maricopa County, Arizona, together with the appurtenances thereunto appertaining, for the period and term of Five (5) Years from the date hereof, that is to say, from the 26th day of November, 1952, to and including the 26th day of November, 1957.

That during the term of this lease, the Parties of the Second Part shall have, and by these presents are granted the exclusive right to use, occupy and enjoy said Mining Claim and mine and remove all ore contained therein, subject to the Payment to the Party of the First Part of the rents and royalties as hereinafter set forth and provided and subject to each other provision herein contained.

ROYALTIES

The Parties of the Second Part shall pay, and agree to pay unto the Party of the First Part as rental of said Mining Claim a Royalty of Fifteen Per Cent (15%) of all ore sold which shall hereafter be mined and taken from said Mining Claim by said Parties of the Second Part.

PAYMENT OF ROYALTIES

That when the ore has been sold by the Parties of the Second Part which shall have been mined and produced from said Mining Claim, the purchaser of said ore shall first pay unto the Party of the First Part the Royalties then due from the sale of said ore as hereinbefore provided and pay the balance thereof to the Parties of the Second Part.

MANNER OF OPERATION

That said Parties of the Second Part shall conduct the mining operations of said mining claim in a proper minerlike and workmanlike manner.

RESERVATION OF ORE NOW MINED

That all ore which has previously been mined from said Mining Claim and which is on the ore dump, consisting of approximately 30 or 35 tons, more or less, on said Mining Claim is hereby reserved unto the Party of the First Part and is not included in this lease and is now and shall remain the property of the Party of the First Part.

NON LIABILITY OF THE PARTY OF THE FIRST PART

That the Party of the First Part shall not be or become liable for any costs or charges of mining said Mining Claim by the Parties of the Second Part and shall not be liable for any bills incurred by the Parties of the Second Part for labor, material or supplies or other obligations incurred by the Parties of the Second Part or for any damages sustained by any workmen employed by the Parties of the Second Part or other persons going on or about said Mining Claim during the term of this lease.

COST OF HAULING

That the cost of hauling the ore produced from said Mining Claim shall be born and paid for by the Parties of the Second Part and neither the cost of said hauling of said ore nor the mining thereof shall be deducted from the royalties becoming due the Party of the First Part.

ANNUAL ASSESSMENT WORK

That during the term of this lease, the Parties of the Second Part shall render and perform the annual assessment work on said Mining Claim as required and provided by law, and cause to be recorded in the office of the County Recorder of Maricopa County, Arizona, the proper Affidavit of the performance of said Assessment Work.

SURRENDER OF CLAIMS UPON TERMINATION OF LEASE

That upon the expiration of the said term of this said lease, the said Parties of the Second Part shall and will quit and surrender said Mining Claim in good condition unto the Party of the First Part (damage by the elements and

acts of God excepted).

BINDING UPON HEIRS

This lease and each and every provision thereof shall be binding upon the heirs, assigns, executors and administrators of the Party of the First Part and the Parties of the Second Part.

IN WITNESS WHEREOF The Party of the First Part and the Parties of the Second Part have hereunto set their hands and seals this 26th day of November, 1952.

Albert C. Stuart
Party of the First Part

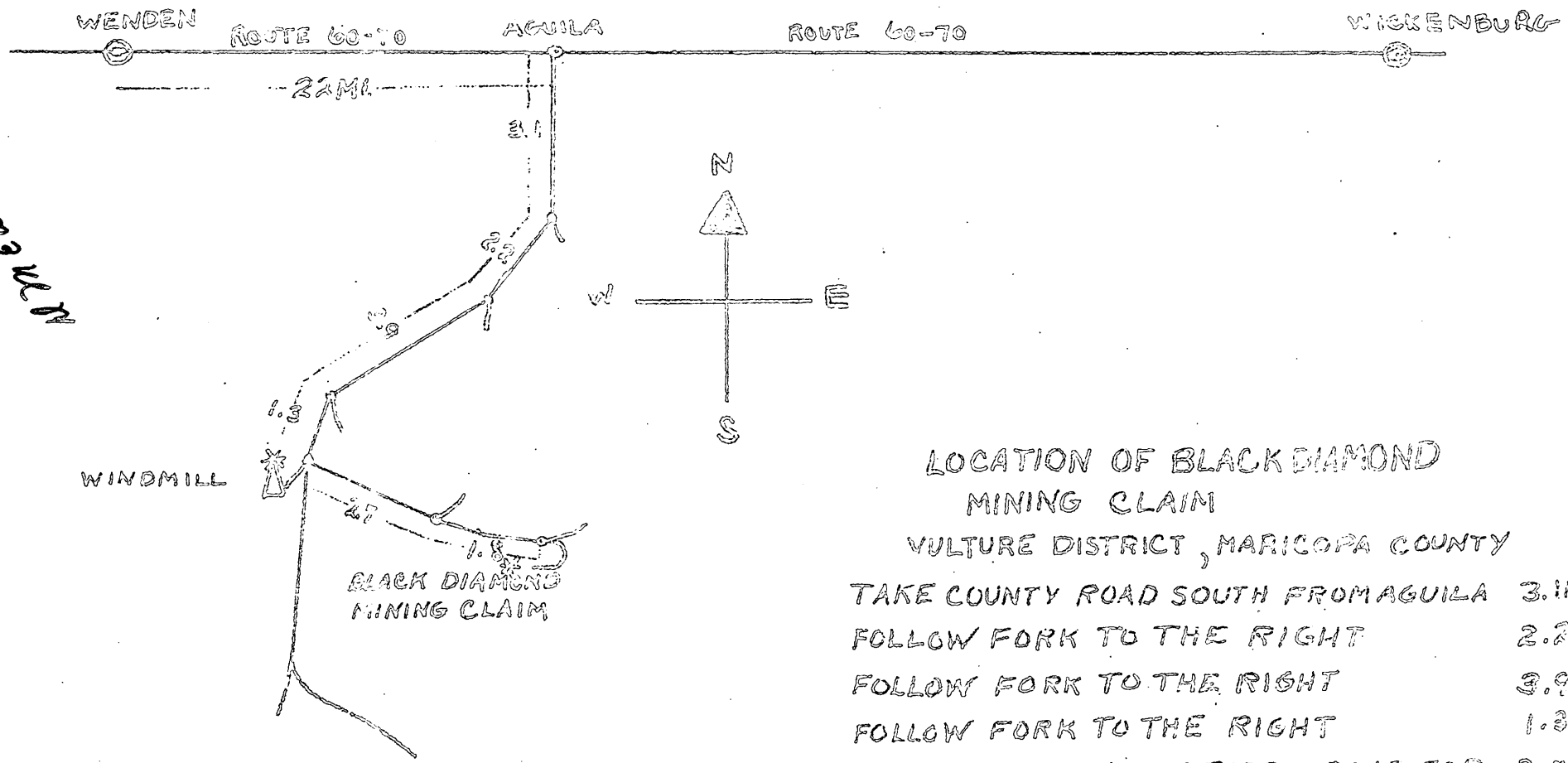
George Anthony
Jordan Baisoglu
Parties of the Second Part

STATE OF ARIZONA :
: ss
COUNTY OF MARICOPA :

On this the 26th day of November, 1952, before me, Edward B. Ashurst, Notary Public in and for the County of Maricopa, State of Arizona, personally appeared Albert C. Stuart, Jordan Baisoglu and George Anthony, known to me to be the persons whose names are subscribed to the within instrument and acknowledged that they executed the same for the purpose therein contained.
In witness whereof I hereunto set my hand and official seal.

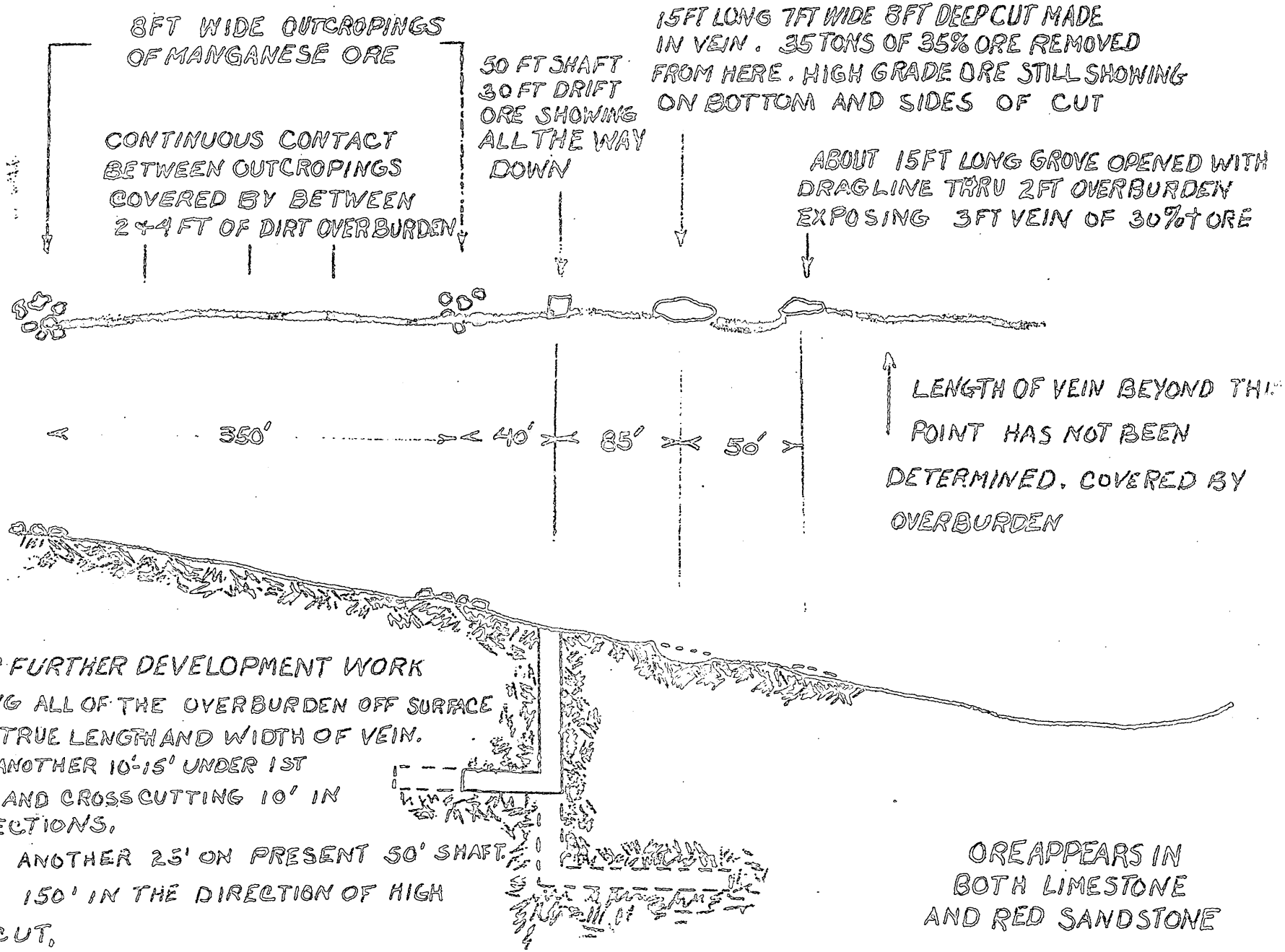
Edward B. Ashurst
Notary Public

My Commission expires
December 11, 1953.



LOCATION OF BLACK DIAMOND
MINING CLAIM
VULTURE DISTRICT, MARICOPA COUNTY

TAKE COUNTY ROAD SOUTH FROM AGUILA	3.1MI.
FOLLOW FORK TO THE RIGHT	2.2MI.
FOLLOW FORK TO THE RIGHT	3.9MI.
FOLLOW FORK TO THE RIGHT	1.3MI.
TURN LEFT ONTO GRADED ROAD FOR	2.7MI.
KEEP TO THE RIGHT PAST 2 ABANDONED MINING SHACKS FOR ANOTHER	1.8MI.
TURN RIGHT AND CIRCLE UPHILL TO CLAIM FOR	.2MI.
TOTAL	15.2MI.



PROPOSED FURTHER DEVELOPMENT WORK

1. BULLDOZING ALL OF THE OVERBURDEN OFF SURFACE TO EXPOSE TRUE LENGTH AND WIDTH OF VEIN.
2. DRIFTING ANOTHER 10'-15' UNDER 1ST OUTCROPING AND CROSSCUTTING 10' IN BOTH DIRECTIONS.
3. SINKING ANOTHER 25' ON PRESENT 50' SHAFT.
4. DRIFTING 150' IN THE DIRECTION OF HIGH GRADE CUT.
5. CROSSCUTTING A TOTAL OF 50' UNDER THE WIDEST SECTIONS OF ORE.

DOCKET 966 PAGE 177

Notice of Mining Location

LODE CLAIM

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Wade Wind Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by albert b. Stuart

a citizen of the United States

(Locator must insert either "a citizen of the United States" or "who has declared his intention of becoming a citizen of the United States.")

the undersigned, on the 6 day of Feb., 19 52

The length of this claim is 1500 feet, and 2 claim 750 feet, in a northwesterly direction and 750 feet in a southeastern direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 300 feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the northwest to the southeast

The claim is situated and located in the Vulture Mining District, in Maricopa County, in the State of Arizona, about [illegible] miles in a southerly direction from [illegible] Ariz.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at

at a point in a direction feet from the discovery shaft (at which this notice is posted), being in the center of the end line of said claim; thence feet to a, being the corner of said claim; thence feet to a, being at the corner of said claim; thence feet to a at the center of the end of said claim; thence feet to a being at the corner of said claim; thence feet to a at the corner of said claim; thence feet to the place of beginning.

Dated and posted on the grounds this 6 day of Feb., 19 52

albert b. Stuart

Witness J P Bracken

STATE OF ARIZONA, County of Maricopa } ss. I hereby certify that the within instrument was filed and recorded at request of Albert B. Stuart, Feb 22 1952 at 3 00 in Docket 966 on page 177 Witness my hand and official seal this day and year last above written. ROGER D. LAVER, Recorder, By Forest D. Morris, Deputy Recorder

58536

Filed 22 Mineral Recording Fee

No. 110—NOTICE OF LOCATION OF LODE CLAIM
Heinze, Bowen & Harrington, Inc., Phoenix, Arizona

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

OFFICIAL BUSINESS

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