DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3342

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This document has been recorded as

Exploration Assistance

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.

Cys to USBM & USGS

Routing Slip

To:	700	Date	5/11/54
To:	Open Com	Date	6-11-54
To:	Open Com	Date	11-8-54
To:	Open Com	Date	2-3-55
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INT.-DUP. SEC., WASH., D.C. 98868

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

224 New Customhouse
Denver 2, Colorado

June 21, 1954.

Mr. Leo Daffern
Box 182
Redwood, Arizona

Re: DMEA Docket No. 3344 (Copper), Leo Daffern's Carmel Copper Prospect, Ellsworth Mining District, Yuma County, Arizona

Dear Mr. Daffern:

Reference is made to your application for Government assistance to explore your Carmel claim for copper.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, 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 copper 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

E M Koschmann

for A. H. Koschmann
Field Team, Region IV

RDB:cwm

cc: Docket No. 3344
Administrator, DMEA
WRStorms
AHKoschmann
Chron.

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

224 New Customhouse
Denver 2, Colorado

June 21, 1954.

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: Code 200

From: Field Team, Region IV

Subject: Report of Examination - DMEA Docket No. 3344 (Copper), Leo Daffern's Carmel Copper Prospect, Ellsworth Mining District, Yuma County, Arizona.

Enclosed are four copies of the Report of Examination on the subject property, a copy of the letter of denial to the applicant, and two copies of Form 3b.

The applicant requested $2,000.00 to explore his copper prospect by 50 feet of shaft sinking.

The application was denied on the basis that a worth while deposit of copper would not be discovered on the property.

W. H. King

W. H. King
Field Team, Region IV

E. N. Koschmann

for A. N. Koschmann
Field Team, Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

June 21, 1954.

Memorandum

To: Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Engineering Report of Examination, DMEA Docket No. 3344, (Copper), Leo Daffern's Carmel Copper Prospect, Ellsworth Mining District, Yuma County, Arizona.

Enclosed are the original and eight copies of the Engineering Report of Examination on the subject docket.

The applicant requested $2,000.00 to explore his copper prospect by 50 feet of shaft sinking.

The inspecting engineer does not believe that the property has enough merit to justify Government participation in an exploration project and recommends denial of the application.

We concur in this recommendation. The Geological Survey does not plan to examine this deposit nor to submit a report.

W. E. King

W. E. King

Enclosure

June 8, 1954

Memorandum

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

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

Subject : Docket DMEA-3344, Leo Daffern's Carmel Copper Prospect, Ellsworth Mining District, Yuma County, Ariz.

Enclosed are original and 8 copies of a short memorandum report by L. L. Farnham of the Bureau of Mines on Leo Daffern's Carmel copper prospect northwest of Wenden, Ariz. Daffern had applied to the Defense Minerals Exploration Administration in March 1954 for Governmental assistance to explore his copper deposit, the total amount of the proposed loan to be $2,000.

While in the vicinity of Wenden examining manganese deposits, Farnham met Daffern and went with him to the Carmel claim. However, because of the very small amount of copper mineralization and the probability that no significant amount of copper ore would be found by additional exploratory work, Farnham recommends that a DMEA loan be denied. I concur with this recommendation. The Geological Survey does not plan to examine this deposit nor to submit a report.

Brochure is enclosed.

Walter R. Storms

Walter R. Storms

CC W. M. King (8)
J. N. Faick
DMEA-3344
DF

WRStorms:frj

June 8, 1954

Memorandum

To : Walter R. Sterns, Chief, Mining Methods Br., Mining Div., Region IV, Tucson, Ariz.

From : L. L. Farnham, Mining Engineer, Tucson, Ariz.

Subject : Docket DMEA-3344, Leo Daffern's Carmel Copper Lode Claim, Ellsworth Mining District, Yuma County, Ariz.

The subject property was visited on May 25, 1954 in accordance with the recent request of the Executive Officer of the DMEA Field Team, Region IV. The writer was accompanied by Leo Daffern of Ajo, Arizona, who late in April 1954, applied to the Defense Minerals Exploration Administration under the Defense Production Act of 1950, as amended, for an exploration loan amounting to $2,000. The funds requested were for the purpose of further exploring a copper prospect by means of a 50-foot shaft.

The property, consisting of a single unpatented mining claim, is situated about 19 miles by road northwest of Wenden, Arizona in the low foothills bordering the northern flank of the Harquahar Mountains. The claim may be reached by traveling 11 miles north of Wenden over the Cunningham Pass-Alamo road, thence northwesterly for 2.7 miles along the Parker Dam power line to the old House wagon road. Proceed westerly on this old road for 5 miles to a faint southern branch. The site of the proposed exploration is 0.5 miles due south on this latter side road.

The prevailing rocks in the area occupied by the subject property consist of gneiss and schist that have been invaded by innumerable closely spaced pegmatitic dikes of various size and attitude. Near the central portion of the claim, sporadic spots of oxide copper minerals were evident in a few places along

CC W. H. King (Orig. # 8)
J. N. Faick
DMEA-3344
DF

LLFarnham:fdj

narrow fractures cutting greenstone schist. The largest of these occurrences was exposed in the bottom of a narrow arroyo by an open cut and an inclined shaft. The shaft was said to have originally reached a depth of about 30 feet, but at the time of the visit, it was filled with flood debris to a point about 6 feet below the surface. As exposed in the cut and the upper portion of the shaft, malachite and chrysocolla occurred in a lenticular fracture zone trending northerly and dipping from 50 to 60 degrees easterly. The copper mineralization along the fracture was confined to a strike length of less than 20 feet, and ranged from a few inches to a maximum of 18 inches in width.

According to the applicant, who sank the shaft, about one ton of ore was hand-sorted from the material broken during the sinking. This sorted ore, when sold to the Wickenburg ore market, had a gross value of $14 a ton in copper, gold and silver. Three samples of the better mineralized material were taken by the writer, one at the north end of the cut, one across the south end of the shaft, and a grab sample from a few hundred pounds of sorted ore said to have come from the bottom of the shaft. The results of these samples are as follows:

Sample No.	Location	Width	Ounces per ton Gold	Ounces per ton Silver	Percent copper
12648	N. end cut	12 inches	nil	tr	1.25
12649	10 ft. south of above	18 inches	nil	tr	0.77
12650	Grab		nil	tr	0.97

All the evidence indicated that the deposits on the Carmel claim were too small to offer promise of ever becoming a source of appreciable amounts of copper. Hence it is recommended that the application for the lease be denied.

L. L. Farnham, Mining Engineer
Mining Methods Branch
Mining Division, Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

June 21, 1954.

Memorandum

To: Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Engineering Report of Examination, DMEA Docket No. 3344, (Copper), Leo Daffern's Carmel Copper Prospect, Ellsworth Mining District, Yuma County, Arizona.

Enclosed are the original and eight copies of the Engineering Report of Examination on the subject docket.

The applicant requested $2,000.00 to explore his copper prospect by 50 feet of shaft sinking.

The inspecting engineer does not believe that the property has enough merit to justify Government participation in an exploration project and recommends denial of the application.

We concur in this recommendation. The Geological Survey does not plan to examine this deposit nor to submit a report.

W. H. King

W. H. King

Enclosure

Displayed by
DMEA OPERATING COMMITTEE
7-2-54
(date)

June 8, 1954

Memorandum

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

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

Subject : Docket DMEA-3344, Leo Daffern's Carmel Copper Prospect, Ellsworth Mining District, Yuma County, Ariz,

Enclosed are original and 8 copies of a short memorandum report by L. L. Farnham of the Bureau of Mines on Leo Daffern's Carmel copper prospect northwest of Wenden, Ariz. Daffern had applied to the Defense Minerals Exploration Administration in March 1954 for Governmental assistance to explore his copper deposit, the total amount of the proposed loan to be $2,000.

While in the vicinity of Wenden examining manganese deposits, Farnham met Daffern and went with him to the Carmel claim. However, because of the very small amount of copper mineralization and the probability that no significant amount of copper ore would be found by additional exploratory work, Farnham recommends that a DMEA loan be denied. I concur with this recommendation. The Geological Survey does not plan to examine this deposit nor to submit a report.

Brochure is enclosed.

Walter R. Storms

Walter R. Storms

CC W. H. King (8)
J. N. Faick
DMEA-3344
DF

WRStorms:frj

7-2-54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

SOUTHWEST EXPERIMENT STATION
BOX 4097
UNIVERSITY STATION

TUCSON, ARIZONA

June 8, 1954

Memorandum

To : Walter R. Storms, Chief, Mining Methods Br., Mining Div., Region IV, Tucson, Ariz.

From : L. L. Farnham, Mining Engineer, Tucson, Ariz.

Subject : Docket DMEA-3344, Leo Daffern's Carmel Copper Lode Claim, Ellsworth Mining District, Yuma County, Ariz.

The subject property was visited on May 25, 1954 in accordance with the recent request of the Executive Officer of the DMEA Field Team, Region IV. The writer was accompanied by Leo Daffern of Ajo, Arizona, who late in April 1954, applied to the Defense Minerals Exploration Administration under the Defense Production Act of 1950, as amended, for an exploration loan amounting to $2,000. The funds requested were for the purpose of further exploring a copper prospect by means of a 50-foot shaft.

The property, consisting of a single unpatented mining claim, is situated about 19 miles by road northwest of Wenden, Arizona in the low foothills bordering the northern flank of the Harcuvar Mountains. The claim may be reached by traveling 11 miles north of Wenden over the Cunningham Pass-Alamo road, thence northwesterly for 2.7 miles along the Parker Dam power line to the old Bouse wagon road. Proceed westerly on this old road for 5 miles to a faint southern branch. The site of the proposed exploration is 0.5 miles due south on this latter side road.

The prevailing rocks in the area occupied by the subject property consist of gneiss and schist that have been invaded by innumerable closely spaced pegmatitic dikes of various size and attitude. Near the central portion of the claim, sporadic spots of oxide copper minerals were evident in a few places along

CC W. H. King (Orig. & 8)
J. N. Faick
DMEA-3344
DF

LLFarnham:fbj

Reviewed by
DMEA OPERATING COMMITTEE
7-2-54
(date)

narrow fractures cutting greenstone schist. The largest of these occurrences was exposed in the bottom of a narrow arroyo by an open cut and an inclined shaft. The shaft was said to have originally reached a depth of about 30 feet, but at the time of the visit, it was filled with flood debris to a point about 6 feet below the surface. As exposed in the cut and the upper portion of the shaft, malachite and chrysocolla occurred in a lenticular fracture zone trending northerly and dipping from 50 to 60 degrees easterly. The copper mineralization along the fracture was confined to a strike length of less than 20 feet, and ranged from a few inches to a maximum of 18 inches in width.

According to the applicant, who sank the shaft, about one ton of ore was hand-sorted from the material broken during the sinking. This sorted ore, when sold to the Wickenburg ore market, had a gross value of $14 a ton in copper, gold and silver. Three samples of the better mineralized material were taken by the writer, one at the north end of the cut, one across the south end of the shaft, and a grab sample from a few hundred pounds of sorted ore said to have come from the bottom of the shaft. The results of these samples are as follows:

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12648	N. end cut	12 inches	nil	tr	1.25
12649	10 ft.south of above	18 inches	nil	tr	0.77
12650	Grab		nil	tr	0.97

All the evidence indicated that the deposits on the Carmel claim were too small to offer promise of ever becoming a source of appreciable amounts of copper. Hence it is recommended that the application for the loan be denied.

L. L. Farnham, Mining Engineer
Mining Methods Branch
Mining Division, Region IV

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

224 New Customhouse
Denver 2, Colorado

May 7, 1954.

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: Code 200

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docketing for Exploration Assistance

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

C. O. Carlson (Mercury)
Payson
Arizona

Leo Daffern (Copper)
P. O. Box 182
Ajo, Arizona

W H King
W. H. King

Enclosures

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. 3344
Metal or Mineral Copper
Date Received
Estimated Cost $2,000
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: LEO DAFFERN, PO Bx #182 AJO Arizona

(*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 The LODE claim "CARMEL located in the ELLSWORTH Mining District Yuma County Arizona about 22 Miles N W from Wenden, Yuma County Arizona.

(*b*) State any mine name by which the property is known. The Carmel Mining Claim

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

(*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 None

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice In DOCKET #84 at Page #84 Jun 17 1953. Carmel No.1 Yuma County Recorders Office.

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.

5. *The exploration project.*—(*a*) State the mineral or minerals for which you will explore Copper Gold Silver and all metals that I find with a saleable price justifying me to operate.

(*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 May 1 1954 days and be completed within Oct 1 1954 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.). (none)

(*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 March 28, 1954

Leo Daffern
(Applicant)

By

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

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

224 New Customhouse
Denver 2, Colorado

April 1, 1954

Mr. Leo Dattern
Box 182
Rowood, Arizona

Dear Mr. Dattern:

This will acknowledge receipt of your letter dated March 25, 1954 and your application for exploration assistance on the Carmel mining claim.

The paragraph headed CONTRACTING in your application states:

> "I will do the work, hiring three men besides myself. We will sink a four foot by six foot shaft to a depth of 100 feet if the government will supply operating expense and machinery. It will cost $30.00 a foot to sink the shaft and I will pay the men $15.00 for an 8 hour day for a six day week. I think I can begin shipping ore from a depth of 40 feet, so out of every ton that is shipped I will pay the government $8.00 a ton until the debt is cleared up."

The Government does not supply operating expense and machinery. These expenses must be estimated by the applicant and listed in item 6 - Estimate of costs - in the application. When item 6(a) through 6(h) is properly completed the total estimated costs of the exploration project will be known.

If the Government then entered into an exploration project contract you, as Operator, would pay all the bills incurred at the end of each calendar month and bill the Government for its share of the agreed costs. In other words, the Government does not give the Operator a lump sum of money but repays its share of the exploration project contract on a reimbursable basis.

Please read the definition of "Exploration Project" in Section 2 of the attached DMEA Order-1 amended. You will note that the intent of the exploration project is search for minerals or metals and not for the mining or production of them.

Returned herewith is your application for your further consideration. If you wish to resubmit the application please send with it a map or sketch of the property showing the location of your proposed work with relation to the property boundaries and item o - Estimate of costs - completed in detail.

Very truly yours,

John F. Shaw
For W. H. King
Executive Officer
DMEA Field Team, Region IV

Enclosures

Contracting. = This is my application

I Will Sink a four foot shaft by Six foot. Including all Labor rent Compressor Steels bits Powder Caps and fuse Water Hauling Employment Hoist Cable Timbers for Collar of shaft, derrick or A Frame. all expences then when the work is finished Billing the Government for there part, at a Cost of $40.00 a foot for 50 feet. Total Cost $2,000.00

So out of every tom of ore I ship I Will pay my part at 8 dollars a ton until debt is Cleared up.

P.S. I am Sending you a sketch of the Claim where the perposed Work is to be done.

Kindest Regards

Very Truely yours

Leo Daffern
Box 182
Rocwood
Arizona

The History of Carmel Mine No. 1

By Leo Daffern

In the Summer of 1945 me and two men went out prospecting. Hunting for the Lost Treasure mine. We hunted for some time around two or three days. Finaly I found it. We dident do anything with it but took a sample of the ore.

You see one of the men that was with us Mr Carl Braly His father was a miner and a good one. He had many Claims. and worked some of them. Carls idea was to locate these Claims and work them He said the idea to the other man Mr Bearch a rich Russian jew Having stock in ardens dairy. So we was going to form a Company and work the many Claims in Arizona and California. But the War broke out tied up Mr Bearch money. So we had to get us a job in the defence plant. So at the end of one of these Claims that had copper strangers running across it. muluch Carls father sunk a nice shaft. and open up the other end of the vein on this location work. Said some ore hauled it away in a wagon shipped it to Swansey Wales. I saw where the wash had uncovered around ten or twelve feet deep a small stringer where many ledges

come to gather. making a very mineralized spot. I asked them could I have this claim they said yes so I located it.
The small stringer was about two inches wide. so I dident think it was worth fooling with. But it was revealed to me it would get larger. so I started to work on it. Having some trouble with the army because I located it when I shouldent, some body stole my 9X12 house and some other things I blamed it on the army But-couldent collect nothing because I located in the wrong time.
Then when they got out of there and turned it back to the miners I relocated it. I had the rock assayed and it went 14.00 a ton copper gold silver more copper than gold and silver. determing to see it would open up. one time I had a little money rented a compressor out of Pheonix Arizona Hammer steels Powder caps fuse picked up a miner on the road We begin to sink on it following the small stringer. Some times it would open up to a foot wide and two foot wide and narrow down.
Then a strong vein of quarts cut it off.

1.

35 feet shaft when cleaned out including wash
Carmel Mining Claim

We dident know what to do our — stinger pinched out our money was gone. The big quarts vein carried $300 a ton in gold so then we loaded up and went to Phoenix with the — compressor. our car got to hot climing a mountain stopping by a mine come my partner went after some water not thinking what he was doing poured cold water in the Hot radiator and cracked the head. and warped the valves so then we was a foot called the folk to come after the compressor. we quit then so I went back next year to do the assesement work and it was filled up which it alway dose for it is in a wash. The water comes down the mountain and filles it up. that is the reason I want to come back a little from the wash and sink a shaft. and strike the ore. for it is on a 45 incline. then I wont be bothered with the water.

I cleaned it out. sampled the vein on the other side from the quarts vein about 8 ft. Wide got a hundred lbs in different places sent off for assay some pore samples it went 8% copper $17.00 in gold.

The ore runs in a porfery and as other veins come together the ore gets richer.

=My Experience in mining=

I started mining in 1932 Especially shaft sinking with at Calumet mining Claim. my Consultant Tom Sanders Weiden arizona and also Ike Kusisto Wickenberg arizona. both mine operators mine permoters and Contractors also done work for ——— knot arizona Copper mining Corp. shaft and Tunnel work arizona. If though the Goverment dont except me as having enough experence. I probly can find a Contractor suitable.

With Kindest Regards

Very Truely Yours

Leo Dafferin

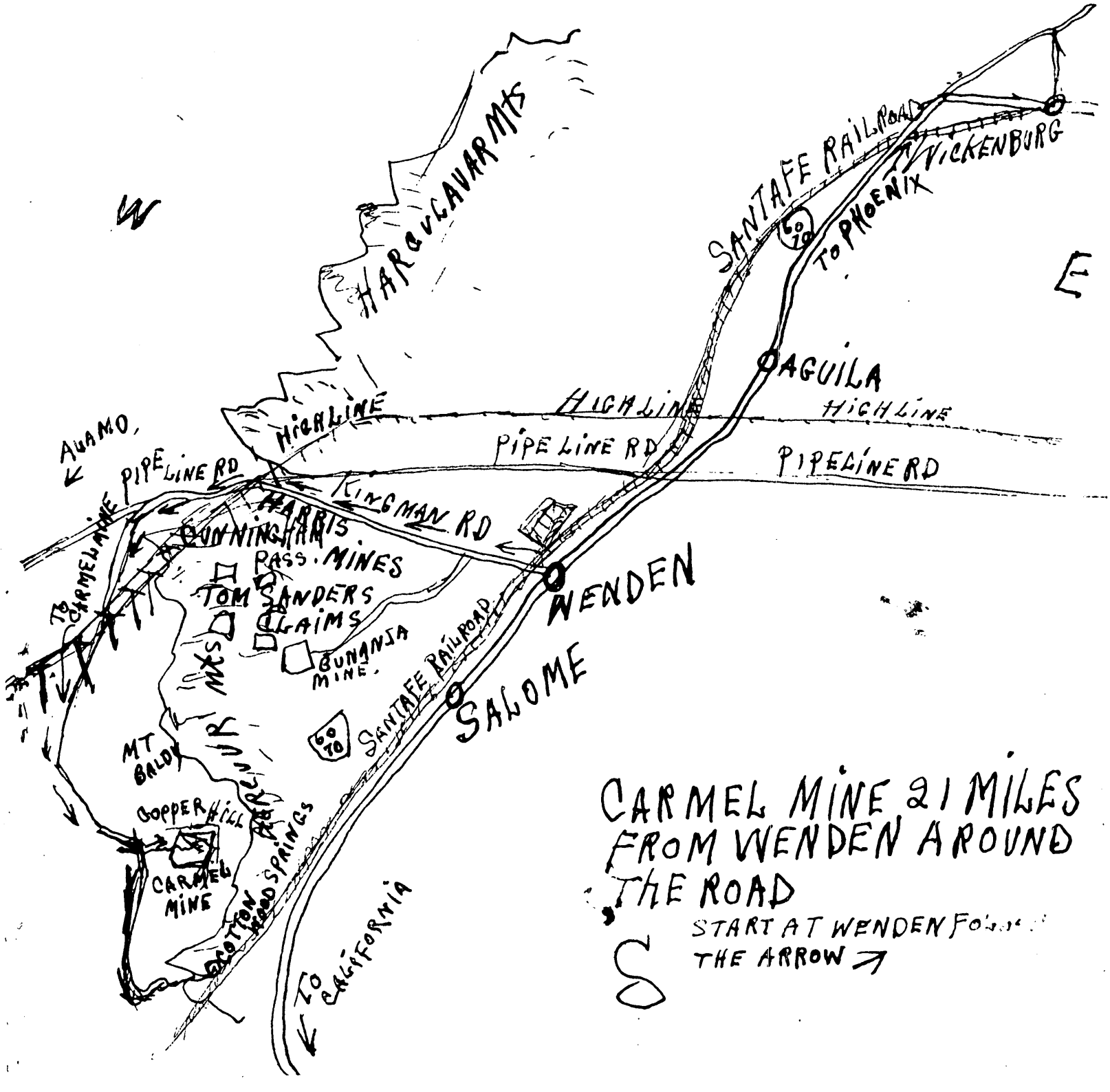
Box 182

Rosevelt

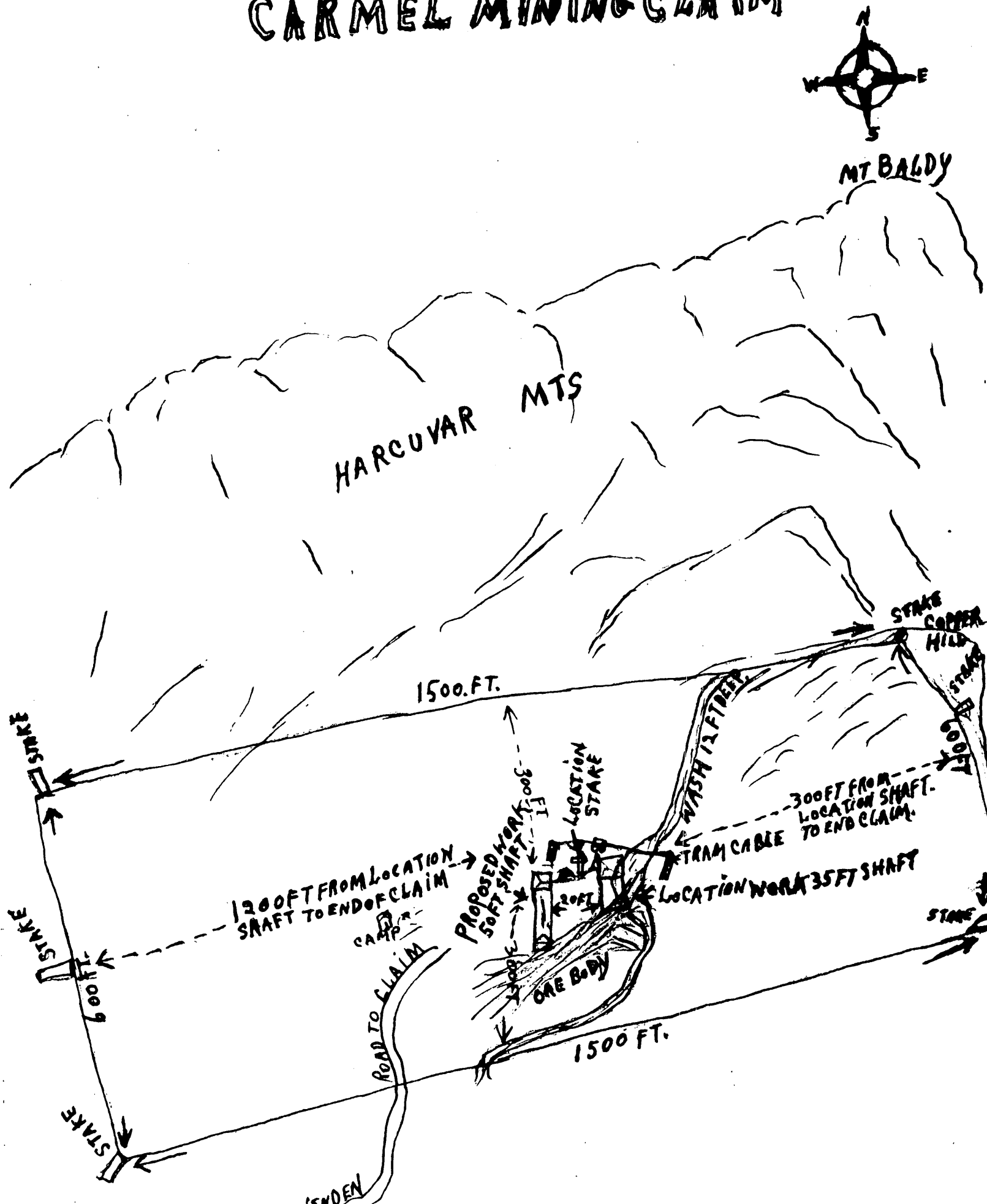
arizona

N.

MAP OF ROAD TO GO TO — CARMEL MINE



CARMEL MINE 21 MILES FROM WENDEN AROUND THE ROAD

START AT WENDEN FO[illegible] THE ARROW ↗

CARMEL MINING CLAIM