DMEA Form 9
(Rev. 5/57)

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Idm-E No._____

DMEA NO. 4531

Application (Denied ✓
(~~Withdrawn~~
(After disposition, delete items not applicable)

Contract
(Terminated - not Certified
(Cancelled
(Terminated - Certified
(Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

Royalty Audits 1/
Certification of Discovery
Cost Audits 2/
Termination Notice or Agreement
Recision Notice
Assignment of Contract
Contract Amendments
Contract with all exhibits and annexes
Owner's Consent to Lien
Subordination Agreement
✓ Application and attachments
Envelope for maps

Right Side

Project summary
Work completed analysis
All other material filed in chronological order including the following reports if checked:

Field Team Semi-Annual Report for Certified Project
Final Field Team Report (Tab)
Operator's Final Report (Tab)
Interim Field Team Reports
Operator's monthly reports and all attachments
✓ On-site Exam Report (Tab)
Settlement Sheets
Drill Logs

Additional Folders:

Left Side

Folder No.____:
Analysis of Semi-Annual Inspection Reports
Interim Summary Reports by DMEA Engineers

Right Side

Field Team Semi-Annual Report for Certified Project
Field Team Interim Reports
Operator's Monthly Report with transmittal, narrative, maps.

Folder No.____: Maps (Use pocket folder or envelope.)

Folder No.____: Settlement Sheets

Folder No.____: Drill Logs

Folder No.____: Royalty material

1/ Or reports of royalty review
2/ Or cost reports of review

16592

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

RECEIVED
NOV 2 1956
D.M.E.A.

October 30, 1956

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: New application (copper)
Bare-Bare-Christine
Pocahontas 1, 2, 3, & 4
Clark County, Idaho

Dear Mr. Selfridge:

Enclosed are three copies of an application submitted by Mr. Paul C. Bare, Midvale of Midvale, Utah. We have retained one copy for our files.

Sincerely yours,

A. E. Weissenborn

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I
Northwest District

Enclosures

cc: USBM(2)

P.S. If the opportunity presents itself, we will examine this property ahead of a referral because of the lateness of the season.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED NOV 2 1956 D.M.E.A.

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. 4531
Metal or Mineral Copper
Date Received 11-2-56
Estimated Cost $8,100
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: Paul C. Barce - 44-4th ave, Midvale Ut.
Mrs. Daile Bare - 94 no Main Midvale, Ut.
Charles Chastine - Mud Lake - Idaho.

(*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. Pocahontas - 1-2-3-4-

(*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 NONE

(*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.

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

.....

(*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 Furnish Labor

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 Oct 3, 1956

x Paul Bare
(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

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

RECEIVED
NOV 2 1956
D.M.E.A.

---

1. Name of applicant.

   (a) Paul C. Bare, 44 4th Avenue, Midvale, Utah.

   (b) Partnership

   (c) --

   (d) Mrs. Dale Bare, 94 North Main St., Midvale, Utah.
   Charles Christine, Mud Lake, Idaho.

3. Applicant's property rights.

   (a) The property consists of four unpatented mining claims located in the Birch Creek mining district, Clark County, Idaho.

   (b) Pocahontas

   (c) Owner

   (d) --

   (e) None

   (f) Not available at the time of filing this application, but the claims are recorded in the County Recorder's office, Dubois, Idaho. Book No. & Page?

4. Physical description.

   (a) Exploration and mine workings on the Pocahontas property consists of a large open cut approximately 250 feet by 60 feet by 30 feet deep, several small pits, and a 70

foot shaft; 555 feet of crosscut and drift and a 70 foot winze. All of this work, with the exception of some of the older surface pits and the first few feet of the underground work, has been done by the applicant. All the surface and underground workings are open to examination.

(b) Less than 100 tons of ore has been shipped.

(c) The Pocahontas workings are located on the west side of the southeast extension of the Beaverhead Mountains in Clark County, Idaho, about 100 miles by road southeast of Salmon, Idaho.

The copper deposit occurs along a faulted contact of a quartzite and dolomitic limestone. The fault strikes N 20 degrees W and dips 65 degrees W. The limestone is on the west side of the fault and appears unaltered except close to the fault. The limestone beds have a northerly strike and dip from 50 degrees to 70 degrees to the west. The quartzite on the east side of the fault is massively bedded and strikes north with an apparent west dip. Both rocks are highly brecciated along the fault.

Copper minerals are all secondary, mainly malachite, azurite and copper pitch in a gangue of iron oxides and minor quartz. The copper minerals occur as veins and thin seams and irregular pockets replacing limestone. The largest of these has been exposed by the surface cut and can be traced for about 50 feet and ~~are~~ is from a few inches to four feet wide. For the most part the copper "showings"

appear to follow the limestone beddings.

The principal workings on the surface is a large open cut where the copper mineralization was exposed. An incline shaft located on the edge of the surface cut, and inclined to the east, was sunk but did not stay in the copper mineralization.

To the west 450 feet and 80 feet lower an adit was driven eastward to intersect the mineralization in the trench. The north drift at the end of the adit was driven too far eastward and went into the quartzite without finding the copper mineralization exposed on the surface. Later a winze was sunk 220 feet from the portal of the adit to explore a thin seam of malachite in the limestone. The seam did not widen into a minable width along seventy feet of incline and the work was abandoned.

The following are assays of samples collected from the surface cut, the ore piles and the winze:

Sample No.	Au	Ag	Cu	
1	trace	.8 ozs.	18.20 %	Select sample surface cut.
2	"	.2 "	5.10 %	Select sample low grade pile.
3	"	.2 "	3.95 %	Select sample winze.
4	"	.2 "	7.57 %	Select sample incline shaft.
5	"	.9 "	27.23 %	Select sample high grade pile.
6	"	.4 "	8.32 %	Select sample low grade pile.

(d) The workings are accessible by good road eleven months out of the year. The nearest shipping point is Salt Lake City, Utah. The ore would have to be trucked. R.R?

(e) Manpower, as well as materials and supplies, are available at Salmon, Idaho. Water for culinary and mining use is available at Birch Creek two miles away. Power will have to be generated.

5. The exploration project.

(a) Copper

(b) Proposed exploration work: 1) To drive a 210 foot drift in a northerly direction, commencing 30 feet west from the end of the main adit that will be 20 feet west and more or less parallel to the main fault. 2) To drive two 25 foot easterly or westerly crosscuts where the best show of copper is intersected with the drift. 3) If this phase of the work finds sufficient amounts of copper, it is proposed to sink an exploration winze following the ore to a depth of 100 feet from the level of the proposed drift.

The program has a two-fold purpose: first, it will explore the vertical extension of the copper mineralization exposed by the surface pit at the level of the main adit. Secondly, it will explore the intersection of the main fault and the seam of secondary copper (220 feet from the portal of the adit and explored at depth by a 70 foot winze) found at the adit level.

(c) The work will start within 60 days and be completed

within three months from the date of an exploration project contract.

(d) The applicant has been in the mining business most of his life. The applicant has opened mines in Bingham and Lark, Utah, and feels he has the ability to carry out the proposed exploration project.

6. Estimate of costs.

(b) The following costs are for drifting and crosscutting:

Labor, supervision.

2 miners, 2 muckers, 1 engineer/part time figured on fifty days work	$3,300	12.69

(c) Operating materials and supplies.

Powder, fuse, caps, steel, timber (if needed), water hose, air hose, track, nails, misc.	$1,800	6.92

(d) Operating equipment (owned by applicant).

1 compressor (125 cu ft) 2 hammers 1 liner 1 slusher, 5 1/2 hp. with scrapper, blocks, cables and tackle. 2 mining cars 1 timber car 1 sinking skip 1 " bucket 1 1/2 ton Chev pickup (1953)	$2,200	8.46

(e) Rehabilitation and repairs.

Cleaning adit and repairing track.	$ 200	0.77

(f) New buildings.

Tool shed.	$ 300	1.16

(g) Miscellaneous.

Assaying, insurance, compensation	$ 250	0.96

(h) Contingencies. $ 50 0.19

Grand Total $8,100 31.15

$$\frac{\$8,100}{260 \text{ ft}} = \$31.20/\text{ft}$$ of proposed drift and crosscut.

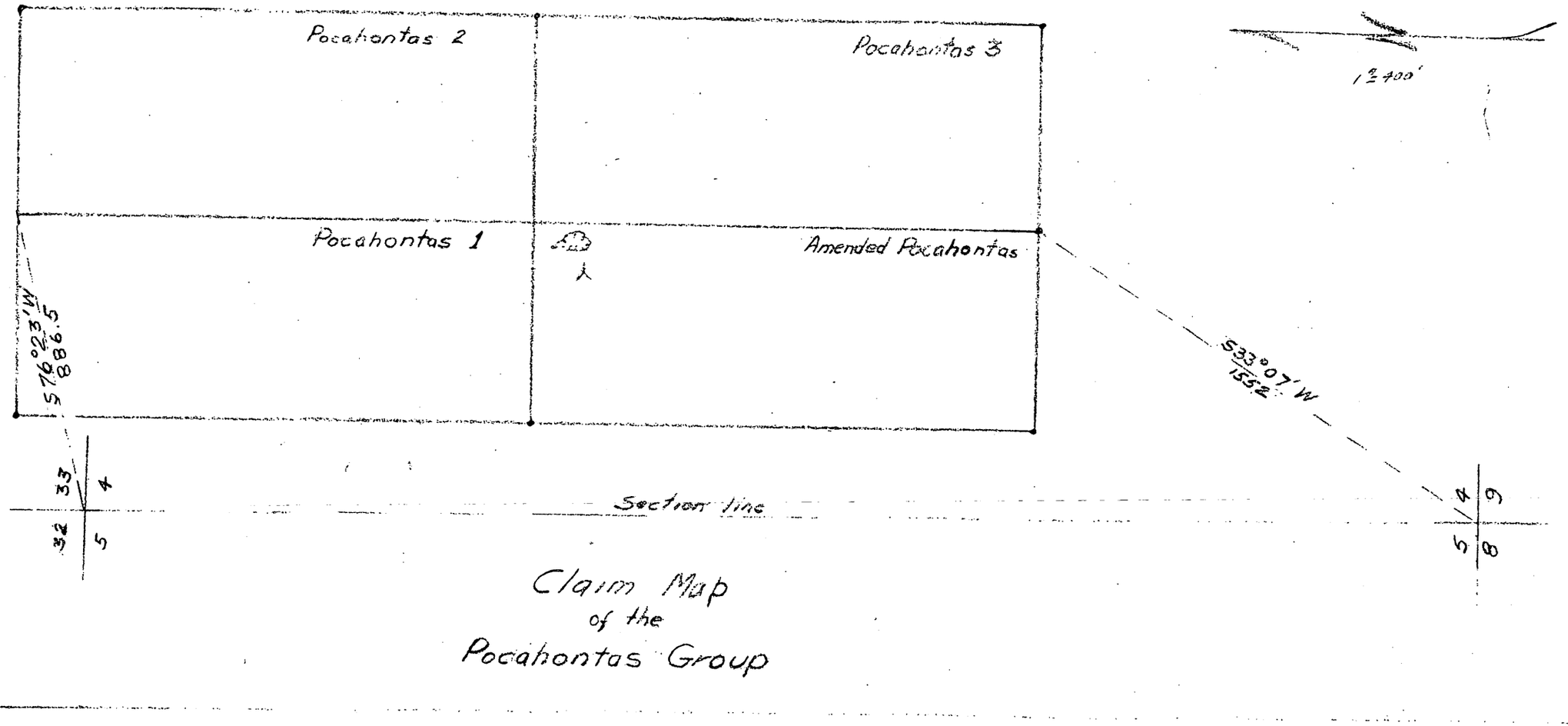
Costs for sinking the proposed winze are not given here, however the applicant feels that he can sink an exploration winze for approximately $50 - $60 per foot.

7. (a) The applicant proposes to furnish his equipment and furnish his labor for his share of the costs of the project.

Dated Oct. 3, 1956

Paul Bare
(Applicant)

Paul C. Bare
44 4th Avenue
Midvale, Utah.



Claim Map
of the
Pocahontas Group

RECEIVED
NOV 2 1956
L.M.E.A.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
6/3	Klugescheid	500
	[illegible]	500
6/7	Selbrede	130
6/7	Lewis	130
6/7	Kiilsgaard	130
		~~110~~
7	Mitterdorf	100
		225

JUN 10 1957

Mr. Paul C. Bare
44 - 4th Avenue
Midvale, Utah

Re: Docket No. DMEA-4531 (Copper)
Bare, Bare and Chastaine
Pocahontas 1, 2, 3, & 4 Claims
Clark County, Idaho

Dear Mr. Bare:

Your application for aid for an exploration project and other data available to us in Washington concerning the above-named property have been reviewed.

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

Careful study of all our information, although noting a small amount of copper mineralization on your claims, indicates to us that the probability of disclosing significant ore reserves is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

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

Sincerely yours,

G. O. Mitterdorf (for)

Administrator

WPKlugescheid/er 6/3/57
Copy to: Docket
Admr R File
Op. Committee
Mr. McMahon, USBM
Mr. Kiilsgaard, USGS
Region I, NW Dist. (2)
Chron.

8623

[redacted]

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
6/3	Klugescheid	500

June 3, 1957

Memorandum

To: The Administrator

From: Director, Division of Base Metals

Subject: Denial of Application, Docket No. DMEA-4531 (Copper), Bare, Bare & Chastaine, Pocahontas 1, 2, 3 and 4 Claims, Clark County, Idaho

The cited application, dated October 3, 1956, was received in this office on November 5, 1956.

The Applicants proposed to explore a copper deposit, occurring within a large fault zone, by means of a drive 210 feet in length slightly to the west of the fault zone. Where the best copper showings were found, they intended to drive two 25-foot crosscuts to explore their full width. If ore was encountered, it was intended to sink a 100-foot winze on the ore.

The property was examined and sampled by the Field Team on April 25, 1957. The copper minerals occur as small lenses and stringers but, where exposed on the surface and in the underground workings, show no continuity or size that would offer a target for the proposed exploration.

Three samples were taken in a winze. The locations and results of these samples are shown on the attached map. The lower adit was driven through the entire fault structure and no significant mineralization was encountered.

The examiners recommended that the application be denied.

We concur with the recommendations of the Field Team and the commodity members of the Bureau of Mines and Geological Survey that this application be denied.

W. R. Griswold

W. R. Griswold

Attachment
Copy to: Admr R File
Chron.
WPKlugescheid/er

8623

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

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 5 1957

DATE	INITIALS	CODE
6/5	[illegible]	220
6/6	[illegible]	500
June 5, 1957		

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: Commodity Specialist, Branch of Base Metals

Subject: Review of Field Examination Report, Docket No. DMEA 4531 (copper), Bare, Bare, and Chastaine, a partnership, Pocahontas 1, 2, 3, and 4 Claims, Clark County, Idaho

The examiners inspection of surface and underground exposures revealed that the showing in the winze was the only one worth sampling; this sample of a small lense of ore on the south wall assayed 5.06 percent copper. Two other samples were reported below ore grade. The small lenses and stringers of ore observed were discontinuous and would not provide a promising target for the proposed exploration. Accordingly, they recommended that the application be denied.

I concur with their recommendation.

A. D. McMahon

A. D. McMahon

Copy to: Division of Minerals
Branch of Base Metals (2)
Thor Kiilsgaard, U. S.G. S.
F. D. Lamb
F i l e s

IN REPLY REFER TO:

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 28 1957

DATE	INITIALS	CODE
5/28	C	220
5/28	Klug.	500

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

May 27, 1957
Re: DMEA 4531
Bare, Bare and Chastaine
Pocahontas 1,2,3, & 4 Claims
Clark County, Idaho
$8,100 - copper

~~Memorandum~~

To: W. R. Griswold, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team Report

The applicants requested assistance in furthering the search for the downward extension of a small ore structure, from which at the surface, less than 100 tons of exidized copper has been shipped.

A trench exposes a fault zone with dolomite on the hanging wall and quartzite on the footwall. From narrow discontinuous stringers in fractures in the dolomite, a small quantity of good grade copper ore has been mined. A crosscut adit explores the surface showings at a depth of 59 feet. A narrow structure, which appears to have no surface counterpart, was intersected and a 70-foot winze was sunk on it. The winze showed scattered copper-bearing material for 30 feet.

In the opinion of the examiners, the concentrations, surface and underground, are very small and there are no indications that larger bodies may be found. The adit appears to have adequately explored the structure with which the small ore showings are associated and additional work is not warranted. The examiners and the Field Team recommend that the application be denied. I concur with the recommendation.

N. E. Nelson

N. E. Nelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 23 1957

DATE	INITIALS	CODE
5/23	C	220
		130
5/27	C	220
5/27	Klug.	500

May 20, 1957

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-4531 (Copper)
Bare, Bare, and Chastaine (Christine)
Pocahontas 1, 2, 3 and 4 claims
Clark County, Idaho

Dear Mr. Selfridge:

Enclosed are four copies of a memorandum examination report by E. W. Parsons and C. P. Hubbard, Mining Engineers, U. S. Bureau of Mines, and H. B. Nickelson, Geologist, U. S. Geological Survey, on the above-referenced property.

Copper minerals occur in small lenses, stringers, and pods that are erratically spaced along shears and fractures. The examiners conclude that the chance of making a significant discovery is poor; and, therefore, they recommend that the application be denied.

We concur with the conclusion and recommendation of the examiners.

By Field Team, Region I, NW District

Wing G. Agnew, Acting Exec. Officer
U. S. Bureau of Mines

Donald R. MacLaren, Acting Member
U. S. Geological Survey

Enclosures

cc: USBM (2)
USGS (SRO)
Nickelson

Reviewed by
DMEA OPERATING COMMITTEE
5-27-57
(date)

ON SITE REPORT

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 23 1957

DATE	INITIALS	CODE
		1302
		220

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
So. 157 Howard Street
Spokane 4, Washington

MAY 10 1957

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: E. W. Parsons and C. P. Hubbard, Mining Engineers, U. S. Bureau of Mines, and H. B. Nickelson, Geologist, U. S. Geological Survey

Subject: Field Examination Report, Docket No. DMEA-4531 (Copper), Bare, Bare, and Chastaine (Christine), a partnership, Pocahontas 1, 2, 3 and 4 claims, Clark County, Idaho

INTRODUCTION

On October 3, 1956, Paul C. Bare of a partnership consisting of Paul C. Bare, Mrs. Dale Bare and Charles Chastaine, submitted an application for Government aid to explore for copper on the Pocahontas 1 through 4 claims in Clark County, Idaho, by 220 feet of drifting and crosscutting; if this work was successful, a 100-foot winze was to be sunk on the ore.

On April 25, 1957, the property was examined by the examining team accompanied by Roger Bare and Howard Bare, brothers of one of the applicants. During the examination, it was learned that the correct surname of the third partner is "Chastaine", not "Christine" as it appears in the application.

SUMMARY

The copper minerals occur as small lenses and stringers within a large north to northwest fault zone. The fault has placed Cambrian quartzites on the east in contact with Devonian or Carboniferous dolomites to the west.

The small lenses and stringers of ore exposed on the surface and in underground workings showed no continuity or size that would offer a target for the proposed exploration. None of the surface exposures were worth sampling. Of three samples taken underground, one, Sample No. 472C, was cut across a showing in the winze. This

Reviewed by
DMEA OPERATING COMMITTEE
5-27-57
(date)

sample was cut across 2 feet on a small lense of ore exposed for about 6 to 8 feet along the south wall of the winze and assayed 5.06 percent Cu. The other two samples were below ore grade. The winze was the only exposure on the property worth sampling.

RECOMMENDATION

It is recommended that the application be denied.

LOCATION AND ACCESSIBILITY

The claims, owned by the applicant, are in the Birch Creek mining district, sec. 4, T. 10 N., R. 30 E. in Clark County, Idaho, and possibly extend a short distance into Lemhi County, Idaho, in sec. 33, T. 11 N., R. 30 E., B.M. This was not checked as denial of the application is recommended.

The property is accessible from paved U. S. Highway 93, 0.4 mile south of the Lemhi-Clark County line by going east on unimproved roads and trails, a distance of 4.5 miles. The workings are visible on the low barren hillside for a number of miles.

PROPERTY

The property included in the application consists of four contiguous lode claims known as the Pocahontas 1 through 4, and are recorded in the County Recorder's Office, Clark County Courthouse, Dubois, Idaho.

COMPETENCY OF THE APPLICANT

Although the applicant was not present during the examination, it is believed that he is capable of performing the proposed work. The assumption is that the applicant could find the means to cover his financial obligations in the proposed contract though this could not be verified.

DESCRIPTION OF THE PROPERTY

No facilities exist on the property. The claims are on a uniform slope which rises $11\frac{1}{2}^{\circ}$. The workings consist of a bulldozer pit or trench roughly 250 feet long, 60 feet wide, and 30 feet deep; a number of smaller pits and trenches; and an adit about 80 feet lower than the trenches. The adit is approximately 460 feet long and contains a winze and three short drifts on fracture zones. Scanty grass and sagebrush cover the surface.

PAST OPERATION

The original work started in the early thirties and has progressed intermittently. It is reported that 555 feet of crosscut and drift, 140 feet of winze and shaft, and one large open cut and several small ones have been made. Production is rated at less than 100 tons. The Bare brothers reported during the examination that production consisted of a few truck loads, one of which is reported to have assayed 11 percent copper.

GEOLOGY

The geology of the area is described by P. J. Shenon, "Geology and Ore Deposits of the Birch Creek District" in Idaho Bureau of Mines and Geology Pamphlet No. 27.

The prospect has explored a large fault zone that has placed Cambrian quartzite against dolomite rocks of Devonian or Carboniferous age. The fault strikes N. 20° W. and dips 67° SW. The dolomite beds strike about N. 12° W. and dips 52° SW. The white quartzite appears to strike N. 60° E. and dips 55° NW. Dips and strikes on the quartzite were difficult to determine because the formation is massive and dissected by numerous joints. The dark-gray massive dolomite observed in the underground workings was badly crushed and broken.

The original work in the early thirties was on the upper level. It apparently consisted of one or two shallow adits and a shaft reported to be 70 feet deep. In the last few years, bulldozer trenching has obliterated much of the old work. A working marked "winze" on the applicant's map is apparently the face of an adit exposed by bulldozing in the center of a large trench roughly 250 feet long, 60 feet wide, and 30 feet deep. A trench, 100 by 15 by 15 feet above the large trench, exposes the footwall of the fault zone. On the floor of the large trench and in the old adit face a few narrow stringers of copper minerals are exposed in fractures. Stringers of barite, about 2 inches in thickness, are also found in the fractures. They occasionally contain a scattering of copper minerals. Copper minerals on the dumps and in the bulldozer trenches indicate that other veinlets or pods may be present. They are numerous enough to form a low-grade ore body. One sample was made up of the best pieces of high-grade ore that were found and this sample assayed 0.01 ounce gold and 0.55 ounce silver per ton, and 11.72 percent copper.

The lower level adit and winze were mapped and three samples were cut in the winze. The adit penetrated crushed and faulted dolomite for 250 feet then in the major fault zone 50 feet of dolomite gouge and sand were encountered. The crosscut was extended a short distance into the quartzite. A trace of malachite was found in the adit halfway between the winze and the face. Crushed and broken stringers of barite are found in almost all of the principal fractures.

Assays from six selected samples which were listed in the application, ranged from 0.2 to 0.9 ounce silver and a trace gold per ton, and 3.95 to 27.23 percent copper. Results of samples taken during the examination are as follows:

Sample No.	Width (feet)	Gold oz./ton	Silver oz./ton	Copper percent
472C	2.0	Tr	Tr	5.06
473C	2.0	Tr	Tr	0.52
474C	2.5	Tr	0.2	1.80
484C	High grade pieces found on the surface.	0.01	0.55	11.72

The locations of these samples are shown on the enclosed map.

Although pieces of high-grade copper oxide ore can be found on the dumps and in narrow zones in places, the concentrations are very small and there are no indications that larger bodies of ore may be found.

SUPPLIES AND EQUIPMENT

Manpower, supplies, and equipment are available in Salmon, Idaho, 100 miles to the north. Water would have to be hauled 2 miles from Birch Creek, and power would be developed by gasoline- or diesel-powered equipment.

APPLICANT'S PROPOSAL

The applicant proposes to drive a 210-foot drift in a northerly direction starting 30 feet west of the main adit face. This will parallel the main fault and be 20 feet to the west. Two 25-foot crosscuts are proposed to explore the best copper showing encountered in drifting. If ore is encountered, it is proposed to sink a winze 100 feet on the ore.

CONCLUSION

The contact between the quartzite and dolomite has been highly fractured and small quantities of copper minerals and barite have been deposited at random in the main fractures. The lower adit was driven through the entire structure and no significant mineralization was encountered. It is believed that enough work has been done to indicate that these occurrences are small and discontinuous. The examining team concurs in the opinion that no target area is known to exist and recommends that the application be denied.

Distribution:
- DMEA (4)
- USBM (5)
- USGS (SRO)
- Docket
- Nickelson

File Copy
Surname
Klugescheid
Johnson
Paone
Kiilsgaard
Selfridge

500

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

DEC - 3 1956

Mr. Paul C. Bare, Partner
44 - 4th Avenue
Midvale, Utah

Re: Docket No. DMEA-4531 (Copper)
Bare, Bare, and Christine
Pocahontas 1, 2, 3 and 4 Claims
Clark County, Idaho

Dear Mr. Bare:

Your application for Government assistance to explore the cited property has been reviewed by the Base Metals Division of the Defense Minerals Exploration Administration and has been referred to:

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region I
Northwest District
South 157 Howard Street
Spokane 4, Washington

If the Field Team requires additional information concerning your application, they will contact you at an early date.

Sincerely yours,

Frank E. Johnson (for)

ACTING Administrator

WPKlugescheid/er 11/29/56
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bennington, USBM
Mr. Kiilsgaard, USGS
Region I, NW. Dist. (2)
Chron.

ACK.

File Copy
Surname
Klugescheid
Swanson
Paone
Selfridge

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION 500
WASHINGTON 25, D. C.

DEC - 3 1956

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region I
Northwest District
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA-4531 (Copper)
Bare, Bare and Christine
Pocahontas 1, 2, 3 and 4 Claims
Clark County, Idaho

Dear Mr. Weissenborn:

The cited application for exploration assistance is being referred to your office for consideration, a field examination of the property if warranted, and recommendations.

If the project is favorably considered by the Field Team, it will be necessary to obtain a map which will show the work to be done and which also shows the property boundaries.

The book number and page of the recordings of the unpatented claims would probably be available by this time and would be necessary information for a contract.

The samples were all selected and so do not give any very definite idea as to what might be expected. Where underground samples were taken, the widths were not given.

The proposed drift from the adit will only be about 85 feet below the surface and will not prove a great deal.

The costs for drifting and also for a possible winze seem reasonable. The assaying would have to be more clearly defined; number of samples, metals for which assays will be made, and cost per sample.

R.C.S.

We assume that if any assistance for the proposed winze were desired, the Applicants would request it at some future time.

The Applicants propose to furnish equipment and labor as their share of the project. It might be well to inquire if they are prepared to make the expenditures which would be necessary at least at the beginning.

Copies of memoranda dated November 5 and 7, 1956, by J. W. Pennington, Bureau of Mines, and N. E. Nelson, Geological Survey, respectively, relating to the project, are enclosed for your information.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (HB)

Enclosures

APPROVED:

(s) James Paone (HB)
Member, Bureau of Mines

Thor H. Kiilsgaard (HB)
Member, Geological Survey

WPKlugescheid/er 11/29/56
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Pennington, USBM
Mr. Kiilsgaard, USGS
Chron.

IN REPLY REFER TO:

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

November 7, 1956

Re: DMEA 4531
Paul C. Bare, et al
Pocahontas Mine
Clark Co., Idaho
$8,100 - Copper

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of application

The applicants request assistance in furthering the search for the downward extension of an ore structure in limestone from which, at the surface, less than 100 tons of "oxidized" copper ore has been shipped.

The ore occurs near but not in a fault contact of limestone and quartzite and the proposed work, a north-south 210-foot drift from a 450 crosscut adit, would parallel the fault. The surface showing, as described, consisted of the "oxide" copper minerals, malachite, azurite and copper pitch, in narrow veins and pockets in limestone. Selected samples assayed up to 27.23% copper. Whether the pockets were mined out or showed sign of downward extensions is not stated. The adit crosscut the contact zone without disclosing ore, but the adit, as mapped, is south of the surface showings. A surface and an underground winze driven on veins failed to find one. The target offered the proposed drift appears to be small and indefinite.

Referral of the application to the Field Team for appropriate action is recommended.

T. H. Kiilsgaard
FOR: N. E. Nelson

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

RECEIVED
NOV 6 1956
D.M.E.A.

November 5, 1956

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: Commodity Specialist, Branch of Base Metals

Subject: Review of application, Docket No. DMEA 4531 (copper), Bare, Bare, and Christine, Pocahontas 1, 2, 3, & 4, Clark County, Idaho. $8,100.00

The applicant proposes to explore for copper mineralization at depth by 210 feet of drifting northerly from the main adit and 50 feet of crosscutting from the new drift in selected areas at an estimated total cost of $8,100.00. Based on favorable results of this work, a 100 foot winze is planned but no costs are estimated.

Although the assays of several samples are given, all samples were selected and no information is given on the extent of mineralization represented. Based on the data supplied, this appears to be a relatively weak project.

Weissenborn stated in his letter of transmittal dated October 30, that the property will be examined if the opportunity presents itself. Additional information is necessary to appraise the application. Therefore, it is recommended that the application be referred to the Field Team.

J. W. Pennington

J. W. Pennington

Copy to: Division of Minerals
Branch of Base Metals (2)
Thor Kiilsgaard, U.S.G.S.
F. D. Lamb
F i l e s

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

November 5, 1956

Mr. Paul C. Bare
44 4th Ave.
Midvale, Utah

Subject: DMEA-4531
Re: Exploration Assistance
Pocahontas 1, 2, 3, & 4

Dear Mr. Bare

Your application for exploration assistance, dated October 3, 1956 submitted to our office at Spokane, has been assigned Docket Number DMEA-4531 and referred to the Base Metals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Chief
Operations Control and
Statistics Division

Copy to:

Region I, N.W. Spokane, Washington

Code 500

3571

U. S. Government Messenger Envelope

Standard Form No. 65 (Rev. 1/46)

1. Use blocks consecutively, one at
2. Void previous block.
3. Write clearly.

NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM		NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM	
~~[illegible]~~ 212 ~~USCA Co.~~	RUN / STOP	~~Mrs. Fitzgerald~~ ~~5222~~	RUN / STOP
~~Mr. Cash~~ ~~Room 5242~~ ~~[illegible]~~	RUN / STOP		RUN / STOP
Mr. T. V. Thayer Interior Bldg. Rm. 5221	RUN / STOP		RUN / STOP
~~Miss Hutton~~ ~~4204 Int~~	RUN / STOP		RUN / STOP
~~Betty Glickinger~~ ~~5222 - Interior~~	RUN / STOP		RUN / STOP
Mr. Griswold 4444 Int.	RUN / STOP		RUN / STOP
Mr. Eliz 4443 Int.	RUN / STOP		RUN / STOP
~~Mr. Fitzgerald~~	RUN / STOP		RUN / STOP
Mr. Griswold 4444 Int.	RUN / STOP		RUN / STOP
	RUN / STOP		RUN / STOP

Send surplus envelopes to supply room for reissue.

Use other side

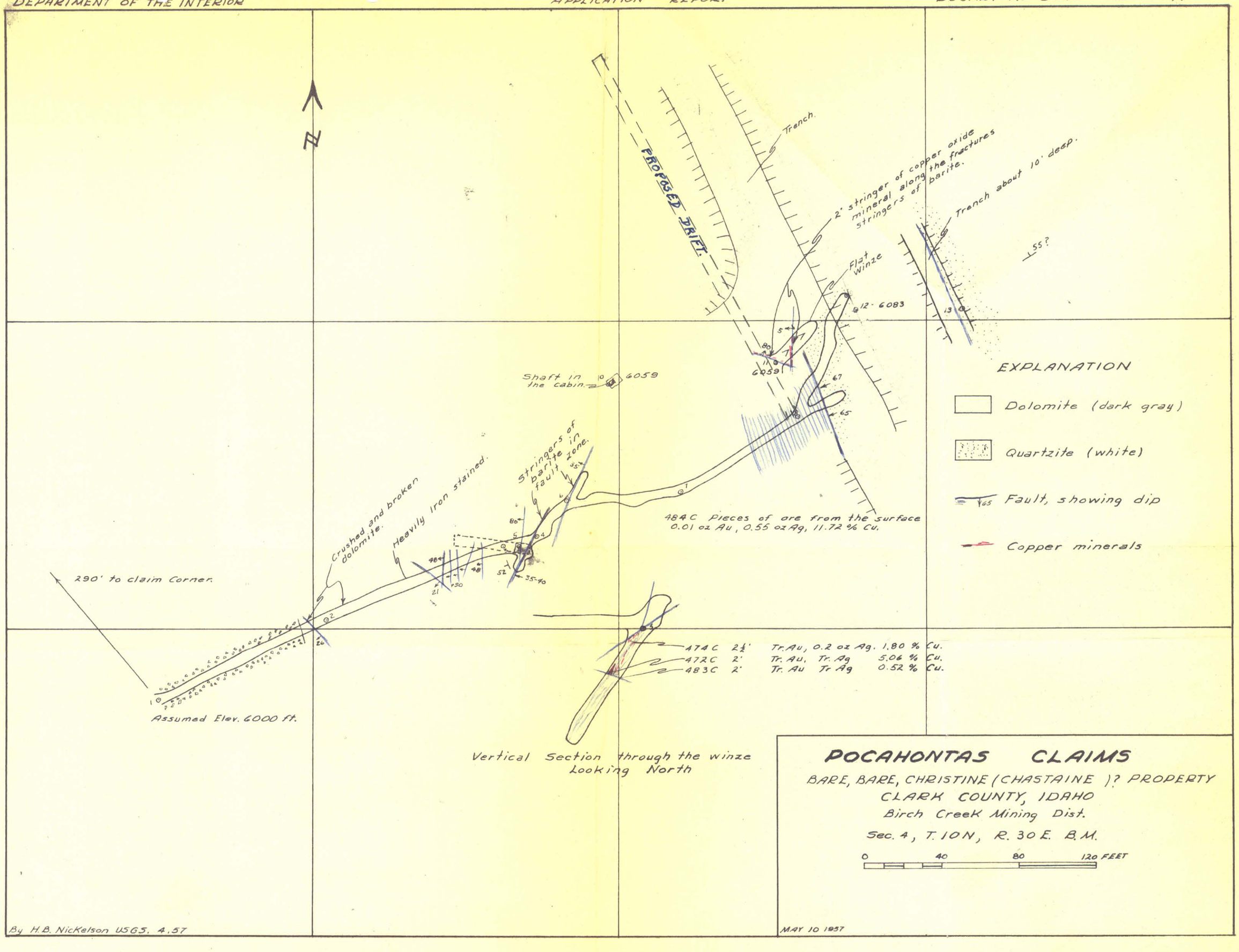
Use RUN and STOP only when messenger service between Government buildings in Washington is required. Your mail room has RUN and STOP information.

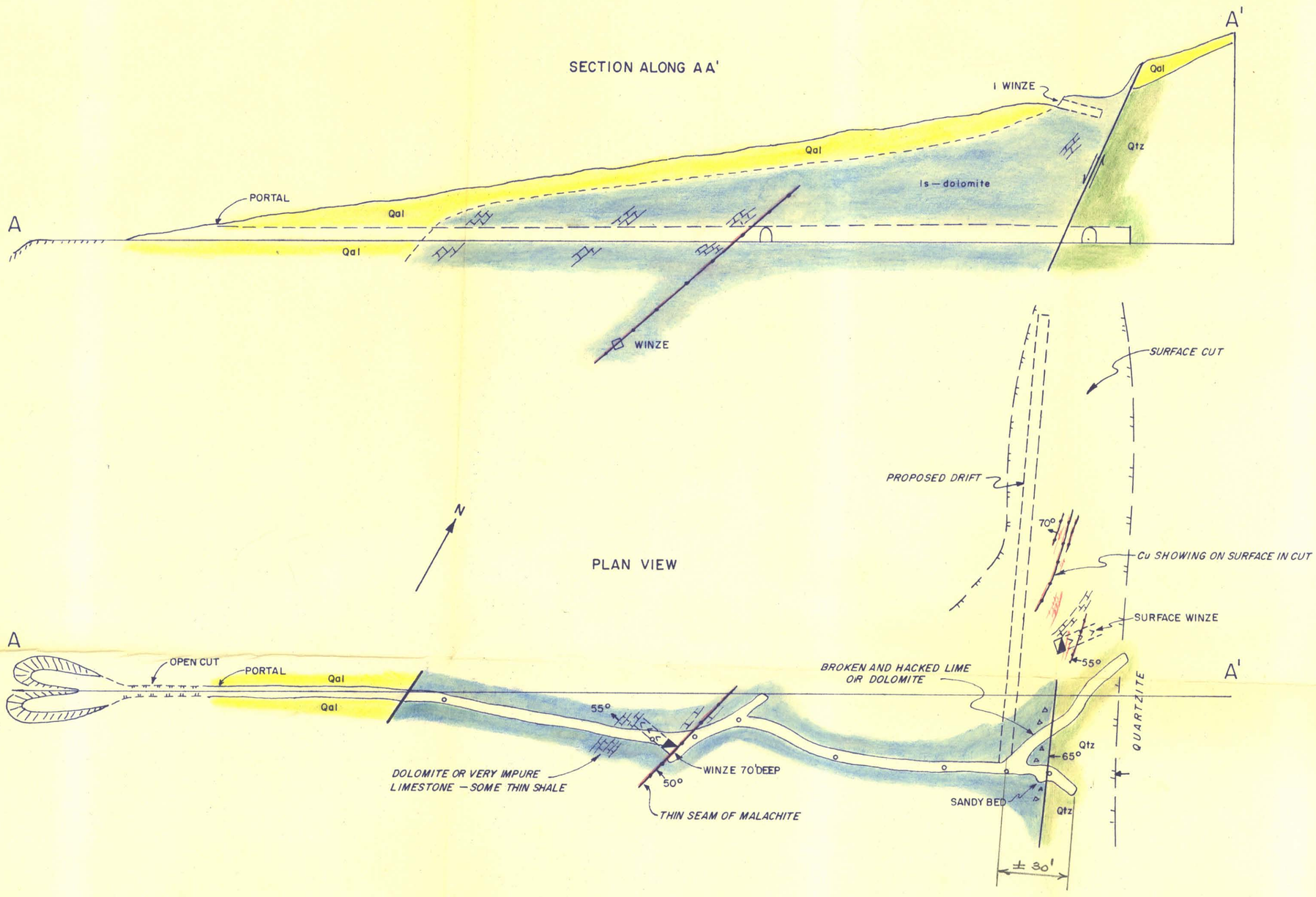
10

UNITED STATES
DEPARTMENT OF THE INTERIOR

PREPARED FOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
APPLICATION REPORT

DOCKET NO DMEA 4531 (copper)





PLAN MAP AND SECTION OF THE POCAHONTES MINE

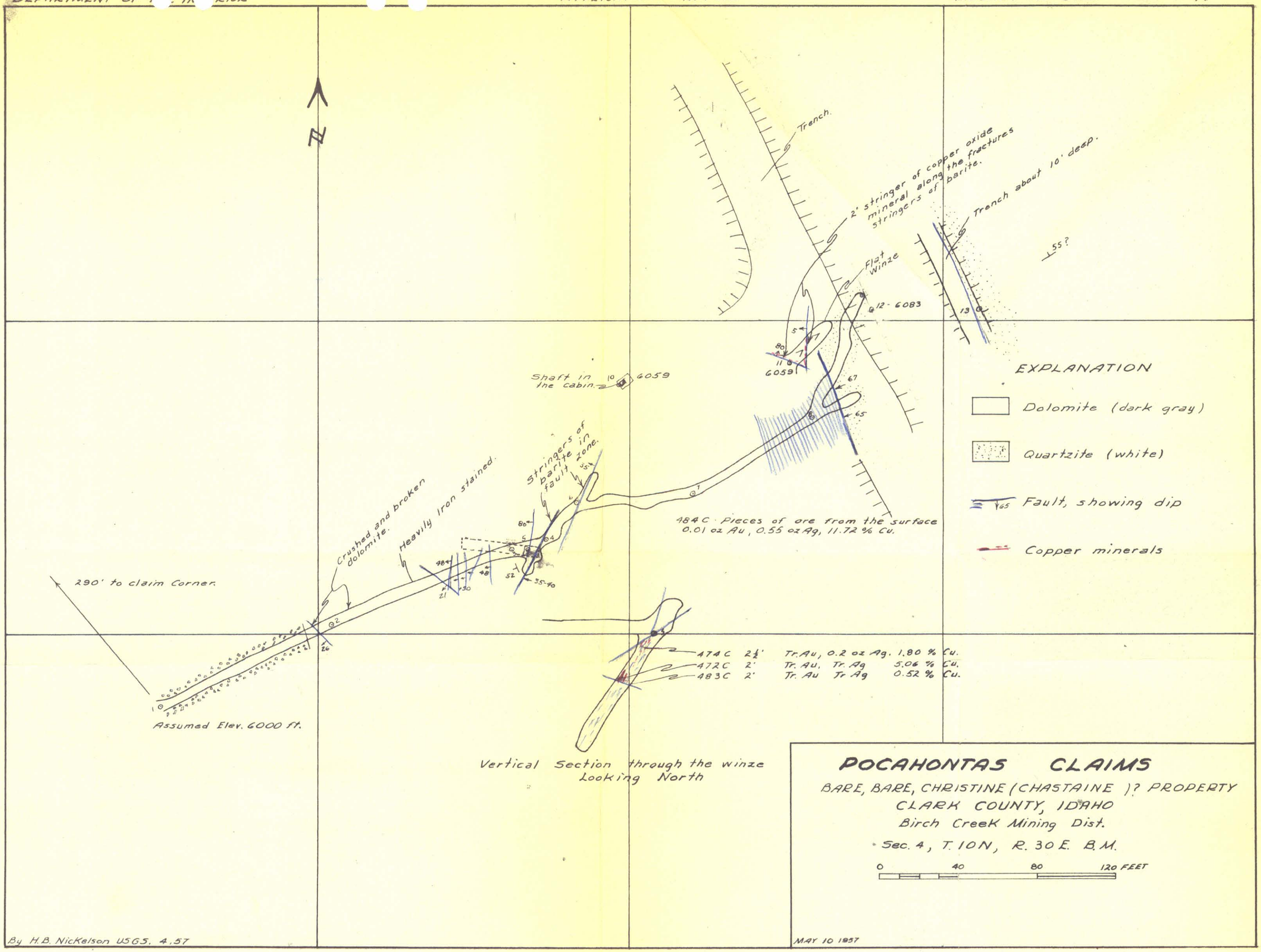
CLARK COUNTY, IDAHO

0 40 80 FEET

UNITED STATES
DEPARTMENT OF THE INTERIOR

PREPARED FOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
APPLICATION REPORT

DOCKET NO DMEA 4531 (copper)



POCAHONTAS CLAIMS

BARE, BARE, CHRISTINE (CHASTAINE)? PROPERTY
CLARK COUNTY, IDAHO
Birch Creek Mining Dist.
Sec. 4, T. 10 N, R. 30 E. B.M.

0 40 80 120 FEET

By H.B. Nickelson USGS. 4.57

MAY 10 1957