DMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

DMEA NO. 4528

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(Withdrawn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

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

This is the official contract file containing all official records of the project. The records contained in the files are checked and are arranged in this order:

Left Side

Interim Royalty Audits
Reports of Royalty Review
Certification of Discovery
Certificate of Audit (Final)
Interim Audit(s)
Report of Review
Termination Notice or Agreement
Recision Notice
Assignment of Contract
Contract Amendments (latest on top)
Contract with all exhibits and annexes
Owner's Consent to Lien
Subordination Agreement
Leases and assignments of leases
✓ Application and attachments
(3) Envelope for maps

Right Side

Project summary
Work completed analysis
All other material is filed in chronological order with correspondence including the following reports as checked:

Final Field Team Report (Tab)
Operator's Final Report
(2R) Interim Reports
(2R) Operator's monthly reports and all attachments (latest on top)
✓ On-site Exam Report(s) (Tab)
(4) Settlement Sheets

When the volume of records is expected to warrant additional folders, or when convenience of reference warrants separate folders for certain records, they should be set up in this order:

Left Side

Folder No. 2: (In chron. order)
Interim Summary Reports by W. O. Engineers

Right Side

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

Folder No. 3: Maps (Use pocket folder or envelope. Fold maps with title block out and show reference to related document or correspondence.)

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

9775

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
OCT 19 1956
U. S. G. S.
SPOKANE, WASH.

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

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. 4528
Metal or Mineral Copper
Date Received 11-2-56
Estimated Cost $29,648.64
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: Dave Edwards
Box 901, Salmon, Idaho
Partner: N.E.McDougal Partnership
4340 Orange Ave, San Diego, Calif.

(*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 8 Unpatented Lode Mining Claims and a millsite Located at Salmon, Lemhi County, Idaho.

(*b*) State any mine name by which the property is known. Buckhorn, also known locally as the Dishman Claims.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Purchaser under contract, on a royalty basis.

(*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. Attached under heading 3 (d)

(*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. Attached under heading 3 (f)

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. Attached under heading 4 (a)

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. Heading 4 (b)

(*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. Under heading 4 (c) attached.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. Attached under heading 4 (d)

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

16—66551-1

Attached under heading 4 (e)

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

(*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. Attached under heading 5 (b) and map

(*c*) The work will start ~~within~~ at once days and be completed within 10 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. Under 5 (d)

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: Attached

(*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. Attached.

(*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. Attached

(*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. None

(*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. None

(*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. Attached

(*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. None

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)? Yes.

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

[X] Money [X] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper. Attached under heading 7 (b)

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 October 16, 1956

Dave Edwards
(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

DAVE EDWARDS
BOX 901, SALMON, IDAHO.

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

3 (F) Buckhorn No. 1, on page 389, Book P.
Buckhorn No. 2, on page 390, Book P.
Buckhorn No. 3, on page 391, Book P.
Buckhorn No. 4, on page 552, Book T.
Hilltop, page 200, Book I.
Great Western No. 1, on page 587, Book Y.
Great Western No. 2, on page 588, Book Y.
Lucky Strike, on page 428, Book X.
Buckhorn Millsite, on page 33, Book Z. all these books of record being in the office of the County Clerk and Recorder of Lemhi County, located at Salmon, Idaho.

4 (A) This is an old property dating back to 1908, but was worked by an individual for the gold which appears in spots but was never worked extensively for the copper content. There are several old adits on both the Buckhorn vein and the Lucky Strike vein which all show ore. I have cut the ore vein in several places with a bull-dozer and have found ore values as indicated on accompanying map. Most of the old work was done high on the mountain with little stoping ground overhead. At present I am working down close to the bottom of the mountain, on the Buckhorn vein, at the spot which is marked on map as Tunnel No. 5, which is under the old workings approximately 1200 to 1500 feet. Tunnels nos. 4, 5, and 9 are opened up and available for examination. Tunnel No. 5 is a new working and is being worked on at present.

4 (B) A twenty ton shipment of ore was made in 1953 by leasors who ~~worked~~ sorted three small dumps; the ore grossed -- Gold, $ 8.19 --Silver, $ 0.97--Copper, $63.09, for a total gross value of $ 72.25 when copper was at $ 0.30.

4 (C) The Buckhorn vein is exposed and traced for a distance of Approximately 4,500 feet with commercial ore showing both on the surface and underground. (Refer to map and assay sheets for quality of ore) I am desirous of knowing the extent and quality of ore bodies deeper in the mountain. The new vein extends in a north and south (Approximately) direction, which should intersect or cut the Buckhorn and Lucky Strike veins, so at intersections it should (or could) form a sizable ore body.

4 (D) There are two roads to property as shown on map. The lower or creek road is a water grade and as time goes on it could be made a very good road. By this road it it approzimately eight miles to the oiled highway (# 93). The property is approximately twelve miles from Salmon, Idaho. Truck haul of about 114 miles to Mackay, Idaho (the nearest railhead), which is approximately 350 miles to the A. S. & R. smelter at Garfield, Utah. Most supplies necessary can be obtained at Salmon, Idaho. Items not obtainable here can be obtained at Pocatello, Idaho; Salt Lake City, Utah or Butte, Mont.
I have residence here is Salmon, Idaho as do all my employees. There are housing and eating facilities at the mine site suffidient for all needs.

4 (E) Man power is quite ample in this vicinity, at a moderate wage. Materials are available locally with the exception of some pieces of machinery which can be obtained at the outside sources mentioned above.

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)
Dave Edwards and N. E. McDougal,
a partnership
Buckhorn or Dishman Mine
Lemhi County, Idaho

Dear Mr. Selfridge:

Enclosed are three copies of an application submitted by Mr. Dave Edwards, Salmon, Idaho. We have retained one copy for our files.

This application was received in our office the day Howard B. Nickelson, one of our geologists, was leaving for a southern Idaho field trip; therefore, because of the early snow conditions in that area, he examined the property on October 21 - 24, inc.

Sincerely yours,

A. E. Weissenborn

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

Enclosures

cc: USBM(2)

3 (D)

DAVE EDWARDS
BOX 901, SALMON, IDAHO

NOV 2 1956 D.M.E.A.

AGREEMENT OF SALE AND PURCHASE

KNOW ALL MEN BY THESE PRESENTS that this agreement is made and entered into between E.N.Bowman and Helen Bowman, husband and wife, of 5207 Wood Ave., South Gate, California, hereinafter referred to as the parties of the first part, and Dave Edwards and Peggy Edwards, husband and wife, of Salmon, Idaho, hereinafter referred to as the parties of the ~~first part~~ second part, on this 10th day of August, 1956.

WHEREAS the parties of the first part are desirous of selling and the parties of the second part are desirous of purchasing certain unpatented mining claims lying within the boundaries of Lemhi County, State of Idaho. to-wit;

> Eight mining claims (lode) designated by name as follows: Buckhorn Nos. one, two, three and four, Lucky Strike, Hilltop and Great Western Nos. one and two Lode Mining Claims, together with the Buckhorn Millsite; all being fully described in the recrded mining clain notices on file at the County Recorder's office at Salmon, ~~Idaho~~ Lenhi County, Idaho said claims being recorded in the name of the parties of the first part.

KNOW THEREFORE that the parties of the first part and the parties of the second part have reached an agreement of minds and hereby make the following ~~agreement~~ covenants:

The parties of the first part agree to sell and the parties of the second part agree to purchase the above described mining claims pursuant to the following conditions:

The total purchase price to be sixteen thousand dollars ($ 16,000.00) payable on a ten per cent royalty basis. Parties of the first part are to receive ten percent net of ~~of~~ the value of all ores and concentrates shipped to the smelter or other buying agency from the above mentioned mining claims for a period of five years or, until the total purchase price has been paid, whichever should occur first. The balance due the parties of the first part shall bear ~~a~~ no interest. All royalty payments are to be made directly from the smelter or buyer receiving the ores or concentrates.

The parties of the first part hereby agree to put in escrow a quit claim deed or other suitable conveyance in the hands of their bank or trust company to hold until final payment is made on purchase price.

The parties of the second part agree to do such annual assessment work on these claims as is required by law and to file the necessary annual proofs of such labor with the County Recorder of Lemhi County, Idaho.

The parties of the second part agree to mine and develope the above mentioned claims in accordance with good mining practice in order to better develope the property.

IT IS FURTHER AGREED that, should the parties of the second part sell or transfer in any way their interest in the above agreement or any part thereof that such party or parties to whom it is transferred or sold shall be held to all the foregoing agreements and provisions.

IN WITNESS WHEREOF we have this day set our hands and seal and acknowledge that we are in agreement mutually to any and all of the conditions and covenants above set forth.

DAVE EDWARDS
BOX 901, SALMON, IDAHO

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

This instrument consists of two pages.

(Signed) E.N.Bowman)
Helen Bowman) Parties of the first part.

Dave Edwards)
Peggy Edwards) Parties of the second part.

Personally appeared before me a proper authority for administering oaths in such cases, DAVE EDWARDS and PEGGY EDWARDS, who first being duly sworn stated that they are the persons who have affixed their signatures to the above agreement as the parties of the second part

Subscribed and sworn to before me this 5th day of September, 1956

NOTARIAL SEAL.

Paul Raymond
Notary Public in and for the State of Idaho
Residing at Salmon, Idaho

Personally appeared before me the undersigned authority for administering oaths in such cases, E. N. Bowman and Helen Bowman, who, first being duly sworn stated that they are the persons who have affixed their signatures to the above agreement as the parties of the first part.

NOTARIAL SEAL

Frank W. H. Klusmeyer
Notary Public in and for the State of California.
Residing at South Gate, California

My commission expires 9-20-59

(Certified a true copy)

Paul Raymond
PAUL RAYMOND
Notary Public
Salmon, Idaho

FORM SL-48 REVISED 2500 8-53

AMERICAN SMELTING AND REFINING COMPANY

700 PACIFIC NATIONAL LIFE BUILDING
SALT LAKE CITY, UTAH

NOV 14 1953

PLANT LOT NO. 3008

NAME OF SHIPPER PAUL BRONKEN AND CHARLES STURMER GARFIELD PLANT, GARFIELD, UTAH 195

ADDRESS BOX K-36, SALMON, IDAHO. PLANT LOT 3008

SHIPPING POINT / / SHIPPERS LOT 1

MINE NAME BUCK HORN COUNTY CLASS CRUDE SAMPLED BY GARFIELD

DATE RECEIVED	REC'D VIA	CAR INITIAL	CAR NUMBER	GROSS WEIGHT	CONTAINERS	NET WET	MOISTURE %	MOISTURE POUNDS	NET DRY WEIGHT
11-13-53		TRUCK.				40 880	3 1	1 268	39 612

METAL QUOTATIONS

GOLD	33.9126	PER OZ.
SILVER	.99	PER O
LEAD		PER L
COPPER	.29544	PER L

BASED ON WEEK ENDING 11-14 195

ASSAYS

	SMELTER	SHIPPER	UMPIRE	SETTLEMENT
GOLD OZ. PER TON	25 5	26		2575
SILVER OZ. PER TON	1 45	1 7		1 575
LEAD %				
COPPER %	12 63	12 82		12 725
INS. %				
SiO2 %	58 4			58 4
Fe-Mn %	9 4			9 4
CaO %	4			4
Zn %				
S %	5			5
Al2O3 %				
As %				
Sb %				
Ni %	01			01
Bi %				

VALUES PER TON

PAY CONTENT	PRICE	CREDIT	FRT. VALUE
.2575	33.81925	8 19	
95% - MIN. 5 1.075	.90	97	
50%			
DEDUCT 15# 239.5#	26344	63 09	
GROSS VALUE		72 25	
DEDUCTIONS	DEBIT		
BASE	6 50		
TRUCK SHIPMENT	1 00		
EXCESS VAL. OVER $ 20.00	4 00		
BULLION FRT. TAX	09		
LABOR			
TOTAL DEDUCTIONS	11 59		
NET VALUE PER DRY TON		60 66	
FRT. VALUE PER WET TON	XXX XX	XXX XX	

The gold acquired in this material was held under Section 19 of the Provisional Gold Regulations of January 30 and 31, 1934, as amended, by the person from whom it was acquired by us.

DISTRIBUTION OF PROCEEDS

	DEBIT	CREDIT
TOTAL VALUE: 14.806 DRY TONS @ 60.66 PER TON		1201 43
LESS PLANT SAMPLING		
FREIGHT 20.440 WET TONS @ PER TON PLUS TRANSP. TAX		
HAULING, PAY RICHARD BENEDICT @ 12.50 / / / SALMON, IDAHO	263 17	
SAMPLING, PAY		
ASSAYING, PAY UNION	5 00	
UMPIRE, PAY		
REPRESENTATION, PAY M. J. TOY	4 00	
AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFIDAVIT @ .05	49	
ROYALTY		
BALANCE PAY SHIPPER	928 27	

4 (B)

DAVE EDWARDS
BOX 901, SALMON, IDAHO

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

(Smelter Return.) Pertinent data

AMERICAN SMELTING AND REFINING COMPANY
700 Pacific National Life Bldg
Salt Lake City, Utah

Nov. 24, 1953

SHIPPER.....Paul Bronken & Charles Sturmer
Box K-36, Salmon, Idaho
MINE NAME....Buckhorn COUNTY CLASS..Crude PLANT LOT ...3008

Date rec'd	Trans.	Net Wt.	Moisture	Dry Wt.
11-13-53	Truck	40,880	3.1%	39,612

Metal Quotes
Gold @ $34.9126 oz.
Silver @ $0.90 oz.
Copper @ $0.29544 lb.

ASSAYS.

SMELTER	SHIPPER	SETTLEMENT	Pay Content	Price	Credit
Gold oz. per ton 255	.26	.2575	.2575	$31.81925	$ 8.19
Silver oz. per ton 1.45	1.7	1.575	1.075	0.90	.97
Copper % 12.63	12.82	12.725	.239.5	.26344	63.09
SiO_2 ....58.4			Gross value		$72.25
FE*MN 9.4		Deducts & Debit			
CAO 4		Base.....6.50			
		Truck shipment.1.00			
S 5		Excess Value over $20,00 4.00			
NI .... .01					
		Bullion Frt. Tax.... .09			11.59
		NET VALUE			$60.66

Please return to Dave Edwards Box 901, Salmon, Idaho

GOLD and SILVER BOUGHT.

Wm. H. Stowel & Co.

CHEMISTS and ASSAYERS
421 SPRAGUE AVENUE
TELEPHONE MAIN 5924

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

Memorandum of Assay of Rock made for

Dave Edwards

Spokane, Wash. July 9, 1956

SAMPLE MARK	ASSAY VALUE PER TON OF 2,000 POUNDS AVOIRDUPOIS															
	....per lb. Copper 40¢ per lb.						Silver at....cents per ounce				Gold at 35¢ per ounce				Total	
	Per Cent	DOLLARS	Cents	Per Cent	DOLLARS	Cents	OUNCES	10th	DOLLARS	Cents	OUNCES	100th	DOLLARS	Cents	DOLLARS	Cents
No. 1 6) sample no 18				8 7/10	69	60						1		35	69	95
No. 2 7) sample # 19				4 6/10	36	80						2		70	37	50
No. 3																
No. 4																
No. 5																
No. 6																
No. 7																
No. 8																

No. 15290940

Charges $ 4.00

Wm. H. Stowel & Co. Assayers

ASSAY REPORTS
****

July 9th 1956

These samples where taken by Dave Edwards and run by Wm. H. Stowell co. Of Sokane Washington.

		Copper	
#6	(Sample # 18 on map)	8.70 %	We didn't run these for silver or gold
#7	(" # 19 " ")	4.60 %	

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

Clarence Mattson
Dave Edwards
Barnard, Sullivan

Wm. H. Stowell & Co.

GOLD and SILVER BOUGHT.

CHEMISTS and ASSAYERS
421 SPRAGUE AVENUE
TELEPHONE MAIN 5924

D.M.E. RECEIVED NOV 2 1955

Memorandum of Assay of Rock made for

Ray Draper - Dave Edwards Spokane, Wash. Oct 21, 1955

ASSAY VALUE PER TON OF 2,000 POUNDS AVOIRDUPOIS

SAMPLE MARK		..... per lb.			Copper 40 per lb.			Silver at 90 cents per ounce				Gold at 35.00 per ounce				Total	
		Per Cent	DOLLARS	Cents	Per Cent	DOLLARS	Cents	OUNCES	10ths	DOLLARS	Cents	OUNCES	100ths	DOLLARS	Cents	DOLLARS	Cents
No. 1	out Crop Sample no 10 on map				10 9/10	87	20	1	5	1	35		2		70	89	25
No. 2	Big Vein Sample no 11 on map				10 6/10	84	80	1	4	1	26		3	1	05	87	11
No. 3																	
No. 4																	
No. 5																	
No. 6																	
No. 7																	
No. 8																	

No. 151953-4

Charges $ 5.00

Wm. H. Stowell & Co. Assayer

HS

Assay Report
****

Oct 21 st. 1955

These samples was taken by Have Edwards and sent to Wm. H. Stowell Co. at Spokane Washington for assay.

		Copper	Silver	Gold
#1 (Out Crop)	(sample # 10 on map)	10.90 %	1.5 oz.	.200
#2 (Big Vein)	(Sample # 11 on map)	10.60 %	1.4 oz.	.300

GOLD and SILVER BOUGHT.

Wm. H. Stowell & Co.

CHEMISTS AND ASSAYERS
421 SPRAGUE AVENUE
TELEPHONE MAIN 5924

Memorandum of Assay of Rock *made for* Montana Coal & Iron Co. Spokane, Wash., Aug 22 1949.

SAMPLE MARK	ASSAY VALUE PER TON OF 2,000 POUNDS AVOIRDUPOIS															
	per lb.			Copper 17¼ per lb.			Silver at 90 cents per ounce				Gold at 35 per ounce				Total	
Reishman Mine	Per Cent	DOLLARS	Cents	Per Cent	DOLLARS	Cents	OUNCES	10ths	DOLLARS	Cents	OUNCES	100ths	DOLLARS	Cents	DOLLARS	Cents
No. 1 State				—			no				no				—	
No. 2 Tale shaft tunnel				—			no				Trace				—	
No. 3 #3 new cut Brown ore				12 2	42	70	1	9	1	71		4	1	40	45	81
No. 4 #3 " " Green "				7 1	24	85	1	2	1	08		6	2	10	28	03
No. 5 shaft tunnel				7 7	26	95	1	2	1	08		4	1	40	29	43
No. 6 #2 Cut new vein	12 to 18"			37 4	131	60	1	4	1	26		1		35	133	21
No. 7 shaft tunnel at 40 ft	18"			23 7	82	95	1	4	1	26		4	1	40	85	61
No. 8																

No. 141314-20

Charges $ 15.00

Wm. H. Stowell Co. Assayers

2000
38
2000
76 000

2.11
760
47
5320
3640
35120

2500
3740
1700
1700
2380
340
59500

ASSAY REPORTS
****

Aug. 29 th 1949

These Samples was taken by Montana Coal and Iron Co. and sent to Wm. H. S Stowell & co. 421 Sprague Ave. Spokane Washington. For assay.
These samples was taken when copper was only 17 and a half cents a Pd.

	Copper	Silver	Gold	
#3 (New cut vein Brown ore)----------	12.20 %	1.9 OZ.	.400	
#4 (New cut vein green ore)----------	7.10 %	1.2 OZ.	.600	
#5 Shaft Tunnel) ----------	7.70 %	1.2 OZ	.400	
#6 (No. 2 cut new vein)----------	37.60 %	1.4 OZ	.100	14inch vein
#7 (Shaft tunnel at 40 feet) 18 in. Vein	23.70 %	1.4 OZ	.400	

Please return to Dave Edwards Box 901 Sebastopol Calif

GOLD and SILVER BOUGHT.

Wm. H. Stowell & Co.

CHEMISTS and ASSAYERS
421 SPRAGUE AVENUE
TELEPHONE MAIN 5924

Memorandum of Assay of Rock made for

Dave Edwards

Spokane, Wash., June 25, 1956

ASSAY VALUE PER TON OF 2,000 POUNDS AVOIRDUPOIS

SAMPLE MARK	Silica SiO2 per lb.			Copper 40¢ per lb.			Silver at ... cents per ounce				Gold at ... per ounce				Total	
	Per Cent	DOLLARS	Cents	Per Cent	DOLLARS	Cents	OUNCES	10th	DOLLARS	Cents	OUNCES	100th	DOLLARS	Cents	DOLLARS	Cents
No. 1 On Dump	63 1/10			3 3/10	26	40									26	40
No. 2 sample #17 on map																
No. 3																
No. 4																
No. 5																
No. 6																
No. 7																
No. 8																

No. 152734

Charges $ 3.00

Wm. H. Stowell & Co. Assayers
H.S.

ASSAY REPORT
********** June 25th 1956

The samples was taken by Dave Edwards and run by Wm. H. Stowell co. of Spokane, Washington.

	Silica	Copper	
#1 (on the Dump) Sample #17 on map	63.10 %	3.30 %	Didn't run this for Silver or gold.

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

Please return to Dave Edwards Box 901, Salmon

GOLD and SILVER BOUGHT.

Wm. H. Stowell & Co

CHEMISTS and ASSAYERS
421 SPRAGUE AVENUE
TELEPHONE MAIN 5924

D.M.E.A. 1956

Memorandum of Assay of Rock made for

Dave Edwards

Spokane, Wash., June 5, 1956

ASSAY VALUE PER TON OF 2,000 POUNDS AVOIRDUPOIS

SAMPLE MARK	Silica			Lead ... per lb.			Copper 40 per lb.			Silver at ... cents per ounce				Gold at ... per ounce				Total	
	Per Cent	DOLLARS	Cents	Per Cent	DOLLARS	Cents	Per Cent	DOLLARS	Cents	OUNCES	10ths	DOLLARS	Cents	OUNCES	100ths	DOLLARS	Cents	DOLLARS	Cents
No. 1 Fines in Bol X Cut	54 1/10			7 8/10	62	40												62	40
No. 2 Sample #16 on Map																			
No. 3																			
No. 4																			
No. 5																			
No. 6																			
No. 7																			
No. 8																			

No. 152612

Charges $3.00 PM

Wm H Stowell & Co Assayers
HS

ASSAY REPORTS
****

June 5th 1956

These samples where taken by Dave Edwards and run by Wm. H. Stowell Co. Spokane, Washington.

	Copper	Silver	Gold
#1 Fines in No. 1 Cross-Cut) Sample #16 on Map)	7.80%		

The Silica ran 54.10 % in this assay report. Didn't check for silver or Gold.

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

Please return
Dave Edwards
Box 901

GOLD and SILVER BOUGHT.

Wm. H. Stowel & Co

CHEMISTS and ASSAYERS
421 SPRAGUE AVENUE
TELEPHONE MAIN 5924

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

Memorandum of Assay of Rock made for

Dave Edwards

Spokane, Wash., June 27, 1956

ASSAY VALUE PER TON OF 2,000 POUNDS AVOIRDUPOIS

SAMPLE MARK	Silica Silver per lb.			Copper 40¢ per lb.			Silver at ..... cents per ounce				Gold at ..... per ounce				Total
	Per Cent	DOLLARS	Cents	Per Cent	DOLLARS	Cents	OUNCES	10th	DOLLARS	Cents	OUNCES	100th	DOLLARS	Cents	DOLLARS
No. 1 large pieces #20	25 3/10			19 2/10	153	60									153
No. 2 crushed #21	61 2/10			1 7/10	13	60									13
No. 3															
No. 4															
No. 5															
No. 6															
No. 7															
No. 8															

No. 152791-2

Charges $6.00 Pd

Wm H Stowel & Co
Assayers

ASSAY REPORT
****

June 27th 1956

These samples were taken by Dave Edwards and run by Wm. H. Stowell Co. at Spokane, Washington.

	Silica	Copper	
#1 (large pieces)(#20 on map)	25.30 %	19.20 %	We didn't run this for gold
#2 Overhead) (#21 on map)	61.20 %	1.70 %	or silver.

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

Please return
Dave Edwards
Box 901
Edwards

GOLD and SILVER BOUGHT.

Wm. H. Stowell & C

CHEMISTS and ASSAYERS
421 SPRAGUE AVENUE
TELEPHONE MAIN 5924

RECEIVED MAY 2 1956 D.M.E.

Memorandum of Assay of Rock made for

Dave Edwards

Spokane, Wash. May 11, 1956

ASSAY VALUE PER TON OF 2,000 POUNDS AVOIRDUPOIS

SAMPLE MARK	..... per lb.			Copper 46¢ per lb.			Silver at 90 cents per ounce				Gold at 35 per ounce				Total
	Per Cent	DOLLARS	Cents	Per Cent	DOLLARS	Cents	OUNCES	10ths	DOLLARS	Cents	OUNCES	100ths	DOLLARS	Cents	DOLLARS
No. 1 Lucky S. face	May 12	12		5 6/10	51	52		9		81		4	1	40	53
No. 2 #1 Cross cut	"	13		3 8/10	34	96		—				—			34
No. 3 R. side next to face	"	14		2/10	1	84		—				—			1
No. 4 Between #2 & Cut off	May	15		2 9/10	26	68		—				—			26
No. 5															
No. 6															
No. 7															
No. 8															

No. 152500-3

Charges $ 5.50

Wm. H. Stowell & Co
H.S.

Assay Reports
****

May 11thn1956

These samples was taken by Dave Edwards and run by Wm. H. Stowell Co. Spokane, Washington.

		Copper	Silver	Gold
#1 Lucky Strike Face)	(Sample #12 on map)	5.60 %	.90 oz.	.400
#2 (#1 cross-cut)	(" #13 " ")	3.80 %		
#3 (Right side next face)	(" #14 " ")	.20 %		
#4 (Between #2 cross-cuts left.)	(" #15 " ")	2.90 %		

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

SAMPLE NO.	DESCRIPTION	PER CENT COBALT	PER CENT COPPER					PER CENT			
#1	out Cross P	05	11	10				16/2	08	19	103
#2	at 40 Twin Tunnel	04	12	20				10/2	27	19	100
#3	Cross Cut Twin Tunnel	05	11	30				16/2	11	19	103
#4	at 12 ~~30~~ Twin Tunnel	03	26	00				16/4	73	32	171

Nos 2-3-4 samples were taken in tunnel No 4.
No 1 was taken same place as sample No 10
These samples were run by the Cobalt assayer.

A. S. R.
Selby Calif.

ASSAYER

ASSAY REPORTS

****

These samples was taken by Dave Edwards and run by the Calera mining co. assay office.

	Copper
#1 (out crop) This sample was taken at the same place as #10 ---	11.10 %
#2 (Twin Tunnel at 40 feet) ----------	12.20 %
#3 (Cross-Cut Twin Tunnel)----------	11.30 %
#4 (Twin Tunnel at 12 feet)----------	26.00 %

Sample #2,3,4, Where taken in tunnel #4

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

DAVE EDWARDS
BOX 901, SALMON, IDAHO

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

4 (E) (Cont.) There is plenty of water and timber on the property for all possible needs.
Power will be derived from combustion motors until the property is developed and proven; thereafter electric power can be obtained from the Idaho Power Company which has a power line paralleling the oiled highway menyioned as outlet road above.

5 (A) Copper.

5 (B) The Buckhorn vein has been opened and sampled at intervals from the uppermost workings at tunnel No. 1 (refer to map) to tunnel No. 5, (present workings) which is approximately 1,500 feet lower in elevation, with ore showing sixty feet above the portal of No. 5.
The proposed 900 foot developement adit on the Buckhorn vein should intersect the new vein as shown on map and also intersect the iron vein, giving a greater depth than tunnel No. 4 by approximately 600 feet.
As shown on map Tunnel No.4 had some good ore in size large enough to mine at a profit, but the formatkon was badly broken and nothing was in place, but at the proposed 6oo foot greater depth the formation should be more undisturbed and give a better overall picture as to the size and ore potential of the property; besides exploring the above mentioned vein intersection for the possibilities of the existance of larger ore bodies or chutes.

5 (C) Work will start immediately, Estimated time of completion --10 months.

5 (D) I, myself, will do the mining and supervising with adequate experienced help. I have had twenty-five years of practical experience in the ~~xxxx~~ mining business of all kinds and have worked under almost all conditions. At the present time I am working the ground and supervising all operations. Naturally I am most interested in developing this property, therefore my intentions are to obtain the services of a qualified geologist and consultant.

6 (A) None

6 (B)	Engineering & consultant Advice	$ 1,500.00
	Labor	13,325.00
6 (C)	Fuel, oil and greases	1,960.00
6 (D)	Mine rails	650.00
	Track spikes	60.00
	Fishplates	90.00
	Airline and fittings	780.00
	Water line and fittings	390.00
	Carbide, powder and blasting supplies	2,695.00
	Track ties	90.00
	Access road work, supplies and labor	4,000.00
		$ 25,540.00

6 (E) None.

6 (F) None.

DAVE EDWARDS
BOX 901, SALMON, IDAHO

6
~~5~~ (G)

Replacement & Repair, Air and Water Hose	$ 85.00
Replacement & Repair, Drill Steel	150.00
Maintenance: Compressor and Drilling Machines	350.00
Assaying	75.00
Sharpening and replacement, Drill Bits	290.00
F.I.C.A. Taxes on Payroll	364.00
Workmens' Compensation Insurance	1,459.64
Employer's Liability Insurance	1,335.00
6	$ 4,108.64
Plus total from ~~5~~ (B), (C), & (D)	25,540.00
Total estimated cost	$29,648.64

6
~~5~~ (H) None.

7 (B) My mining partner, N.E. McDougal of 4340 Orange Ave., San Diego, (5), Calif. is a silent partner, furnishing finacial help for an interest in the net returns from shipments from the property after exploration work is completed and the mine is producing at a profit.
I have all the necessary mining equipment except the items listed in the cost estimate above and this equipment is all to be used in the proposed development work.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/26	[illegible]	300
4/29	Lefkowitz	130
"	Johnson	110
"	Patterson	104
4/22	C	220
		225

APR 30 1957

Mr. Dave Edwards
Box 901
Salmon, Idaho

Kiilsgaard
Lamb

Re: Docket No. DMEA-4528 (Copper)
Dave Edwards and N. E. McDougal
Buckhorn (Dishman) Claims
Lemhi County, Idaho

Dear Mr. Edwards:

Your application for aid for an exploration project and other reports available to us in Washington concerning your application 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 ore on your property, 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,

(for)

Administrator

WRGriswold/er 4/26/57
Copy to: Docket
Admr R File
Op. Committee
Mr. McMahon, USBM
Mr. Kiilsgaard, USGS
Region I, NW. Dist. (2)
Chron.

8623

UNITED STATES, DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION (BASE METALS DIVISION)

WASHINGTON 5 D.C.

SUBJECT: DMEA -- 4528

RE: EXPLORATION ASSISTANCE BUCKHORN OR DISHMAN MINE.

Request information as to what action may have been taken on this application.

The last communication I had was of November 2, 1956 when I was notified that the above number had been assigned me.

I would appreciate any thing in the way of information the Department can give me on this matter.

Sincerely,

Dave Edwards

DAVE EDWARDS
BOX 901
SALMON, IDAHO

reply necessary in view of
Federal Register
Ed

OFFICIAL FILE COPY
DMEA
RECEIVED APR 26 1957

DATE	INITIALS	CODE
4/26	C	220
4/26	~~WRH~~	500

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code

April 26, 1957

Memorandum for the Files

From: Chief, Base Metals Division

Subject: Denial of Application, Docket No. DMEA-4528 (Copper), Dave Edwards and N. E. McDougal, Buckhorn (Dishman) Claims, Lemhi County, Idaho.

The application refers to a series of narrow veins (or vein fragments), appearing in shear zones in argillites and quartzites. The vein filling is essentially quartz and chalcopyrite. Quite a bit of work has already been done, underground and on surface, and it seems reasonable to say the property has been pretty well disproved.

The copper values are interesting and while the veins are narrow yet if they had any continuity some further work would be warranted. However, the ore occurrences seem to appear only as small pods or isolated vein fragments or patches; hence we can see no expectancy for anything worthwhile.

We concur with the Field Team and Commodity members in recommending denial.

W. R. Griswold

W. R. Griswold

WRG/er
Copy to: Docket
Chron.

8623

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

OFFICIAL FILE COPY
DMEA
RECEIVED APR 18 1957

DATE	INITIALS	CODE
4/18	C	220
4/18	[illegible]	500
April 18, 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 4528 (copper). Dave Edwards and N. E. McDougal, Buckhorn (Dishman) Claims, Lemhi County, Idaho. $29,648.64

The applicants proposed exploration program consisting of 900 feet of drifting and crosscutting was found to be inadequate to reach the target area and the potential of the objective would not justify the necessary exploration work.

Assays of samples taken by the examiner and other assay data made available to him showed values of several narrow veins averaging about 5 to 7 percent copper. Although the veins are narrow it was estimated that sufficient ore reserves might be expected to justify a revised exploration program consisting of 500 feet of drifting and crosscutting. However, the probability of developing a producing property was apparently too remote to justify recommending DMEA participation.

It is suggested that the application be denied without prejudice to the property.

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 APR 16 1957

DATE	INITIALS	CODE
4/16	C	220
4/16	WRY	500

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

April 15, 1957
Re: DMEA 4528
Dave Edwards and N. E. McDougal
Buckhorn (Dishman) Claims
Lemhi County, Idaho
$29,648.64 - 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 exploring a narrow copper-gold quartz vein by a 900-foot adit. The applicant appears to have believed two parallel veins and a cross vein were indicated, one of which, the Buckhorn, was to be followed in the proposed adit drift.

The examiner, Mr. Nickelson, after surveying the various workings with a Brunton compass found that a series of narrow, generally discontinuous veins are exposed in the many cuts and short adits, old and new. Copper ore is present and it is possible to obtain good grade samples, but in the aggregate, the tonnage represented is too small to justify the proposed work.

For that reason, after consultation with the Bureau of Mines' engineer, who had not visited the prospect, the examiner recommended that the application be denied. The examiner's well done report sustained the conclusions.

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 APR 12 1957

DATE	INITIALS	CODE
4/12	C	220
		130
4/15	C	220
4/16	WRG.	500

April 8, 1957

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

Re: Docket No. DMEA-4528 (Copper)
Dave Edwards and N. E. McDougal
Buckhorn (also known as Dishman claims)
Lemhi County, Idaho

Dear Mr. Selfridge:

Attached are four copies of a report by Howard B. Nickelson, geologist, U. S. Geological Survey, describing the examination of the subject property. Nickelson concludes that the proposal made by the Operator is much too costly with respect to the amount of ore that might be found. A lesser amount of exploration in another part of the property appears more feasible and was considered by Nickelson but it was concluded that the tonnage of ore that might be discovered is so small that DMEA participation would not be appropriate.

The Field Team concurs in this conclusion.

By Field Team, Region I, NW Dist.

A. E. Weissenborn by SRM
A. E. Weissenborn, Exec. Officer
U. S. Geological Survey

Wm. G. Agnew
Wm. G. Agnew, Member
U. S. Bureau of Mines

Enclosures

cc: USBM (2)
~~USBM (AD)~~
USGS (SRO)
Nickelson

Reviewed by
DMEA OPERATING COMMITTEE
4-15-57
(date)

OFFICIAL FILE COPY
DMEA
RECEIVED APR 12 1957

DATE	INITIALS	CODE
		130
		220

ON-SITE Report

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

January 21, 1957

MEMORANDUM

To: DMEA Field Team Region I, Northwest District

From: Howard B. Nickelson, Geologist, U. S. Geological Survey

Subject: Field Examination Report, Docket No. DMEA-4528 (Copper), Dave Edwards and N. E. McDougal (a partnership), Buckhorn (or Dishman) Mine, Lemhi County, Idaho

INTRODUCTION AND SUMMARY

On October 19, 1956, Dave Edwards submitted an application to explore for copper on the Buckhorn et al. claims. The proposed exploration consists of 900 feet of drift, at an estimated cost of $29,648.64.

The property was examined October 21-24, 1956, by the writer, accompanied and assisted by Dave Edwards and his son. A brunton and tape survey was made (pl. 1). Although cold and snow storms hindered the mapping, it is believed the pertinent data were obtained because the vein exposures are obscured by overburden except in trenches and in the underground workings. The upper elevations were mapped first and were relatively free of snow. Six inches of snow covered the ground above 7800 feet altitude on the afternoon of October 24.

The copper occurs within shear zones as small narrow lenses of chalcopyrite and quartz. The veins, which range in width from a few inches to 2 feet, are broken by numerous faults.

Assays of samples taken by the writer and other assay data made available by the Applicant and the Montana Coal and Iron Company indicate that the veins will average about 5-7 percent copper and contain a small amount of precious metals.

The Applicant's proposal to explore the Buckhorn vein at depth in the vicinity of the Montana Coal and Iron No. 2 adit would require much more than the 900 feet of drifting and cross-cutting which he estimates and because of the very narrow width of the veins in the area to be explored cannot, in the examiner's opinion, be justified. A more limited exploration involving 500 feet of drifting and crosscutting starting somewhere between

Reviewed by DMEA OPERATING COMMITTEE
4-15-57
(date)

Stations 14 and 15 with the objective of exploring the four veins exposed in a trench between Stations 10 and 11 might possibly discover enough ore to repay the cost of the venture and perhaps return a small profit. The applicant would be willing to undertake such a project.

RECOMMENDATIONS

On March 11, 1957, the above possibility was discussed at length with E. W. Parsons, engineer of the Bureau of Mines. It was concluded that the veins, although fairly rich, are so small and the objectives of the only feasible program are so limited that a DMEA contract would not, even if successful, result in a continuing enterprise and would, in effect, be little more than a subsidy.

LOCATION AND ACCESSIBILITY

The property lies on the east slope above Perreau Creek, in secs. 19 and 20, T. 21 N., R. 21 E. B. M., Eureka Mining District, Lemhi County, Idaho.

The property can be reached from Salmon by traveling south on U. S. Highway 93 for approximately 5 miles to the Williams Creek road. Approximately 1 mile on Williams Creek road the mine access road begins and heads east towards the Perreau Creek canyon. The road forks at a cattle corral but both roads lead to the property, one via Perreau Creek canyon and the other up the ridge to the top of the summit. The ridge road is the more accessible. The canyon road at the upper end is constructed of coarse slide rock which is very rough. Both roads require snow removal, with the ridge road requiring more because it is at a higher elevation.

The prospect area is covered with overburden which supports the growth of fir and pine trees.

COMPETENCY OF THE APPLICANT

Mr. Edwards will supervise the proposed exploration, and Mr. McDougal, a silent partner, will furnish the financial backing. Mr. Edwards appears to be capable of performing the proposed exploration.

PROPERTY RIGHTS

The property is owned by E. N. Bowman and his wife, Helen Bowman, of 5207 Wood Avenue, South Gate, California, and it was leased with an option to purchase to Mr. and Mrs. Dave Edwards on August 10, 1956.

Eight unpatented lode claims and one mill site designated by name and recorded at the County Clerk and Recorder's Office at Salmon, Lemhi County, Idaho, are as follows:

Claim	Book	Page
Buckhorn No. 1	P	389
Buckhorn No. 2	P	390
Buckhorn No. 3	P	391
Buckhorn No. 4	T	552
Lucky Strike	X	428
Hilltop	I	200
Great Western No. 1	Y	587
Great Western No. 2	Y	588
Buckhorn Millsite	Z	33

The claim lines shown on plate 1 were located from three corners found in the field. (Note that the Buckhorn No. 1 and No. 2 claims are larger than a legal-sized claim.)

A Consent to Lien and Subordination Agreement has not been requested from the applicant.

HISTORY OF THE PROPERTY

The original claims were staked in July 1908 by Mr. Dishman, a gold prospector; he drove four or more shallow adits (pl. 1) in the overburden along the shallow vein outcrops. Mr. Dishman willed the claims to the Bowmans, the present owners.

The Montana Coal and Iron Company leased the property from about 1948 to 1951 and dug numerous trenches and drove two adits (pl. 1). This exploration did not discover sufficient ore reserves to interest the company and the lease was relinquished to the Bowmans.

In 1953 Paul Bronken and Charles Strumer, leasers, shipped 19.806 tons of ore from the dumps; the material assayed 0.26 ounce of gold and 1.58 ounces of silver per ton, and 12.725 percent copper and 0.01 percent nickel.

DESCRIPTION OF THE PROPERTY

Two cabins adequate to house an exploration crew are on the property. These cabins are the old Dishman log cabin near the top of the ridge and a frame cabin (station 70, pl. 1) above Perreau Creek which was recently built by Mr. Edwards. A new frame compressor shed houses the compressor at the portal of a tunnel at Station 68. Mr. Edwards has drills, rail cars, etc., on the property.

The underground workings consist of about six or eight caved adits, excavated by Dishman, the two Montana Coal and Iron adits mentioned above, and one adit excavated by Mr. Edwards. The locations of most of the Dishman adits and the details of the Montana Coal and Iron adits and the Edwards adit are shown on plate 1. No stopes or raises are known.

Numerous bulldozer trenches dug by the Montana Coal and Iron Company and some trenches dug by Mr. Edwards extend from the top of the ridge down the side of the mountain to the creek. Good access roads connect almost all the workings.

Mr. Edward Cenis, engineer for the Montana Coal and Iron Company, loaned to the writer a sketch map showing the upper cabin, the upper tunnel, the tunnel in the vicinity of Station 33, and two

cuts in the vicinity of Stations 6 and 11. Some of the roads, springs, and upper cabin locations from his map have been transposed to plate 1. Mr. Cenis also made available a brunton survey by "P.J.S." (believed to be Philip J. Shenon) made September 15, 1927, showing the adits at Stations 16 and 21. This also has been copied and is shown on plate 1. Assays from about 35 samples the company cut while exploring the property have been furnished by Mr. Cenis, and these samples are listed on the following page, with company notes and the writer's comments in regard to their location.

Sample No.	Width	Oz. Ag/T	Oz. Au/T	% Cu	Company notes	Writer's comments
30	2'	0.1	0.03	0.46	Oxide band, Dishman tunnel 5.	I believe Dishman tunnel No. 5 is in vicinity Sta. 36 & that these samples were taken from the trench bank.
31	2'	0.05	0.02	0.34	" bottom "	
32	--	0.05	0.01	--	Qtz. from bank "	
33	--	Tr	Tr	--	Hematite from bottom of the cut. Samples 30-33 from along cut.	
34	--	0.60	0.04	1.40	Ore from Cut 1, Tunnel 5	I believe these samples were taken from the cut above Sta. 36.
35	14"	0.40	0.23	2.38	Copper ore Cut 1, new opening.	
36	6'	0.05	Tr	0.16	Footwall of #35	
37	5'	Tr	Tr	0.08	Right of #36	
38	4'	Tr	Tr	--	Left of #35, Red	
39	3'	1.70	0.14	7.98	Cut 2, new ground	I believe these samples were cut across the veins near Sta. 11.
40	4'	0.3	0.05	4.46		
41	26"	0.90	0.09	6.84		
42	12"	0.05	0.02	0.28	Bottom of cut, cut over No. 3 tunnel.	I believe these samples were cut from the floor of a dozer cut east of Sta. 33.
43	14"	0.05	0.03	0.12	Bottom of cut, right of 42	
44	12"	0.10	0.04	0.30	Bottom of cut, Gold pan	
45 Ridge	--	0.20	0.01	--	--	--
45 Select	--	5.20	0.24	8.76	Dishman selected sample from No. 2 cut.	Probably from vein at Sta. 11.

Sample No.	Width	Oz. Ag/T	Oz. Au/T	% Cu	Company notes	Writer's comments
50	--	2.7	1.32	11.24	Selected sample, Tunnel 5	
51	--	0.05	0.01	0.08	Cut sample "	These samples
52	20"	0.05	0.02	0.06	" "	may be from
53	48"	0.10	0.02	0.09	" "	tunnel at
54	12"	0.40	0.08	0.[illegible]5	Qtz. from bottom "	Sta. 36.
55	--	0.05	0.01	--	Camp Spring	?
56	--	0.05	0.02	--	Camp Spring No. 2	?
57	--	0.50	0.14	4.84	(Ore Cut No. 3 (Ore boulder Cat. (pushed out.	From Cenis' map this would be in vicinity Sta. 33.
58	12"	0.05	0.02	0.40	Wall cut No. 3	??
59	24"	0.90	0.16	7.96	Oxide bottom of the cut.	
New vein system	--	1.20	0.04	5.84	--	?
69	14"	0.10	0.03	--	No. 2 cut at Tunnel 4	

Several other samples were listed but the locations are unknown.

GEOLOGY

The regional geology is described briefly by Clyde P. Ross in U. S. Geological Survey Bulletin 774, "The copper deposits near Salmon, Idaho." He also mentions the Dishman prospect but at the time of his field work this prospect was relatively unexplored. The regional geology of the Leesburg quadrangle is in the process of being mapped by Phil Shockey from Cornell University under the direction of A. L. Anderson.

Narrow copper veins occupy openings created by shear zones in argillites and impure quartzite rocks of the Belt formation. The veins generally strike east and dip 30°-60°N., and their maximum width, where exposed is about 2 feet. Strike length of the individual ore shoots of maximum width appears to be limited, and cross faulting offsetting the veins is evident.

The primary ore mineral is chalcopyrite associated with quartz. Numerous secondary or enriched copper minerals were observed in various surface exposures but it is believed primary ore would be found at relatively shallow depth (25-50 feet) below the ground surface. The grade of the ore varies according to the amount of oxide and enriched mineral present but the ore samples composed mainly of chalcopyrite and quartz assayed about 5 percent copper with minor amounts of gold and silver.

The bulldozer trench at Station 1 was cut in decomposed Challis volcanic rock. A small amount of mineral believed to be autunite was evident in the bank of the cut; this occurrence was not lamped or tested with a counter. Volcanic rock was evident in the north end of the trench at Station 2, and the south end of this trench exposed sheared and broken argillite.

At Station 5 a large fault striking N. 20° W. and dipping 45° NE. was cut. A vein approximately 2 feet wide, cut by the fault and badly broken, was exposed in the bottom of the trench in the footwall of the fault. A sample (454C) across the 2-foot vein consisting of chalcopyrite, some quartz and secondary copper minerals assayed 0.04 ounce of gold and 0.3 ounce of silver per ton, and 4.84 percent copper. Chalcopyrite, quartz, and oxide copper minerals, apparently drag ore from the faulted veins, were found in the bank opposite Station 5.

At Station 7 the vein cut in the bottom of the trench was previously explored by a shallow adit, now caved. A grab sample (455C) from a small pile of ore near the portal assayed 0.06 ounce of gold and 0.3 ounce of silver per ton, and 3.12 percent copper. Since the high-grade ore had been picked from this pile, the average grade of the original pile was probably somewhat higher.

The dozer trench between Stations 10 and 11 cut four veins. The first vein, just north of Station 10, is apparently the continuation of the vein explored by the shallow tunnel at Station 7. It is about 8 inches wide and is composed of quartz and considerable copper minerals. The second vein, at Station 9, is similar. Samples were cut from the other two veins at the north end of the trench; sample 456C assayed 0.04 ounce gold and trace of silver per ton, and 7.0 percent copper across the vein width of 1 foot; sample 457C assayed 0.02 ounce of gold and 1.7 ounces of silver per ton, and 6.65 percent copper cut across the vein width of 2.3 feet. Three samples taken by the Montana Coal and Iron Company, probably from the veins in this area, were cut across greater widths but their copper grade is somewhat lower (pl. 1). All the veins in the trench strike about east and dip 55°-60° to the N.

In the vicinity of Station 14 the argillite crops out and minor wall rock shearing believed to be related to a major fault, was observed. This shearing is nearly parallel to the fault cut in the trench at Station 5. Indistinct bedding was observed in the vicinity of Station 15 striking approximately 90° to the shearing at Station 14. The trench at Station 15 did not cut bedrock, although it exposed a bank about 30 feet high; a sharp drop in topography between Stations 14 and 15 suggests that another major fault trending north passes through this area. Therefore, the veins between these two faults will most probably be badly broken and difficult to explore or mine.

At Station 16, Dishman drove a shallow adit, now caved, to explore a quartz vein containing some copper minerals. Two samples were cut across the two strands of this vein, which are separated by 3 feet of altered argillite. The south strand (sample 458C) assayed 0.10 ounce of gold and 0.7 ounce of silver per ton, and 2.24 percent copper across the vein width of 1 foot, and the north strand (sample 459C) assayed 0.02 ounce of gold and 0.10 ounce of silver per ton, and 1.48 percent copper across the vein width of 1.5 feet. A road cut at Station 18 and a trench at Station 20 exposed a 6- to 10-inch vein containing oxide copper minerals, which probably is a continuation of the quartz vein exposed at Station 16. At Station 21, Dishman drove the longest underground workings on the property. This adit is now caved, but Shenon's map shows that the ground was badly sheared and the vein apparently broken, suggesting that Dishman's work was not too successful. A sample (461C) from the quartz piled at the portal assayed 0.16 ounce of gold and 0.45 ounce of silver per ton, and 2.2 percent copper.

At Station 33 Dishman drove a small adit, now caved. Approximately 15 tons of quartz containing oxide and sulfide copper minerals is piled outside the portal; grab sample 462C of this material

assayed 0.2 ounce of gold and 0.79 ounce of silver per ton, and 3.76 percent copper. A portion of the shipment made by Bromker and Strumer came from this dump.

An 8- to 10-inch vein of quartz and copper oxide minerals was cut in a trench south of Station 31. A sample of this material is reported in the application to assay 8.7 percent copper. The trench east of Station 33 was not examined by the writer; its location on the map accompanying this report was copied from a map by Montana Coal and Iron Company. Three other trenches (Stas. 28, 30, and 27) were sloughed, and no evidence of structure could be seen.

At Station 36 Dishman drove an adit which was apparently still open during the time Montana Coal and Iron explored the property. Montana Coal and Iron drove a few feet under Dishman's tunnel and intersected about 18 inches of ore. Approximately 20 feet of this vein is exposed in front of a cave directly above the Dishman adit. The small ore shoot occurs within a mineralized fault that strikes about N. 45° W. and dips 60°-75° NE. In general, the samples from this area were rather low grade, although Edwards reports a sample assayed 0.4 ounce of gold and 0.9 ounce of silver per ton, and 5.6 percent copper (see property description).

Edwards exposed a small quartz vein in the road at Station 54, and he reports that some copper ore assaying about 4.6 percent copper was dug from the road. Sample 463C from this vein assayed 0.04 ounce gold and 0.1 ounce silver per ton, and 0.34 percent copper over a width of 2 feet.

At Station 57, the Montana Coal and Iron Company explored a mineralized shear zone by 130 feet of drift. The ore in this vein, which strikes east and dips 30°-40° N., occurs as small, narrow, discontinuous lenses along the numerous shear fractures. Samples reported by Edwards show high-grade copper ore, which can be accounted for by the fact that all the copper minerals are oxides, mainly cuprite. At Station 59 a trench exposed a 3- to 4-foot quartz vein, which appeared to strike north and dip 20°-30° E. At Station 63, the road cut showed evidence of a fault striking northwest.

At Station 66 Edwards reported finding a stringer of copper minerals across the road, and at Station 70 a hand trench exposed an 8-inch bedding stringer of low-grade copper. At Station 68 Edwards drove a crosscut 110 feet long under the small vein cut in the road at Station 66, but the vein was not intersected.

There are numerous cuts and adits exposing the veins from the top of the hill nearly to Perreau Creek. This area has been fairly well prospected and of all the veins exposed, the recommended exploration offers the best possibilities of discovering sufficient ore to repay the cost of the Applicant's venture.

Manpower, equipment and supplies are available in the vicinity, and gasoline or diesel power is most economical.

APPLICANT'S PROPOSAL

Starting from the adit at Station 67, the applicant proposes 900 feet of drift and crosscut, estimated to cost $29,648.64. The proposed work would follow the Buckhorn vein to the vicinity of the Montana Coal and Iron No. 2 adit, then crosscut northerly to intersect the new vein at Station 54 and the vein exposed in the Montana Coal and Iron No. 1 adit.

The Applicant's proposal obviously is not based on facts that exist in the field because the proposed exploration would require 2,500 to 3,000 feet of workings to intersect these veins underground. These veins as described in the geologic section of this report are too narrow and discontinuous to warrant exploration.

During the examination the Applicant was asked if he had any objections to an alternate program at the upper end of the property, if the Government should approve it. He offered no objections to changing his application proposal.

POSSIBLE EXPLORATION

In the opinion of the examiner, the four veins exposed in a trench between Stations 10 and 11 provide the most promising exploration target. These could be explored by 500 feet of drifting and crosscutting. It is estimated that approximately 20 hours of bulldozing would be required to prepare the portal site and construct a short access road from the mine road to the portal site. It is also estimated that 300 feet of timber would be needed to support the working. It is estimated that 30 assays for copper, gold, and silver would meet the sampling and assaying requirements to evaluate the grade of the ore. A shed for a compressor and shop would be needed.

The most feasible portal site is along a steep hillslope between Stations 14 and 15. This would gain about 75 feet of backs under Station 8. The approximate location of the work described is shown on the attached map. Because of the small size of the target, all "dead work" would have to be kept to a minimum. The work would be on the Buckhorn No. 1 and Buckhorn No. 2 claims and would require 1 year to complete.

The applicant has a compressor, drills, and mine cars adequate to perform this work.

CONCLUSIONS

The ore reserves that might be expected from the exploration project might be about 2,000 tons averaging 5-10 percent copper if the strongest vein at Station 11 continues to the fault at Station 5.

Even though the veins are narrow and probably can be followed only for short distances along the strike without interruption by faulting, there is a good chance that the revised program might discover enough ore to repay the cost of the venture and return a small profit. This proposal has some attraction because of the grade of the vein. However, after discussion on March 11, 1957, with E. W. Parsons, Bureau of Mines engineer, it was concluded that the objectives of the project would be so limited and the possibility of bringing a continuing operation into production would be too remote to justify DMEA participation in the project. It was felt that any Government participation would be in the nature of a subsidy.

Attachment 1

Distribution:
DMEA (4)
USBM (2)
USGS(SRO)
Docket
Nickelson

File Copy
Surname

Firewold
Selfridge
Johnson
Mathewson

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

500

DEC - 6 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-4528 (Copper)
Edwards and McDougal
Buckhorn Claim Group
Lemhi County, Idaho

Dear Mr. Weissenborn:

Referring to the cited application, we note that the field examination has already been made. We shall therefore hold it in abeyance until we hear further from you.

We are enclosing copies of memoranda dated November 5 and 14, 1956, by J. W. Pennington, Bureau of Mines, and N. E. Nelson, Geological Survey, respectively, relating to the project.

We note that the Agreement of Sale and Purchase is from L. N. Bowman and wife to Dave Edwards and wife, whereas the application is in the name of Dave Edwards and N. E. McDougal. In this regard, the application contains a statement (7B): "My mining partner, N. E. McDougal . . . is a silent partner, furnishing financial help for an interest in the net returns . . . after exploration work is completed and the mine is producing . . ." We understand from this statement and the statement under 5(B) that Mr. Edwards will be conducting the exploration work as an individual. If our understanding is correct, should the application be approved for a contract the Operator listed in the contract would be Mr. Edwards as an individual.

Should the exploration proposal be reviewed favorably, we, of course, would also require a proper Consent to Lien and Subordination Agreement of the owners of the property, the Bowmans.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures
APPROVED:

Frank D. Lamb
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

WRGriswold/er rewritten (11/21,23,&26/56)
Copy to: Docket
Admr R File
Op. Committee
BasheMetals
Mr. Pennington, USBM
Mr. Kiilsgaard, USGS
Chron.

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

IN REPLY REFER TO:

RECEIVED
NOV 15 1956
D.M.E.A.

November 14, 1956

Re: DMEA 4528
Dave Edwards and
N. E. McDougal
Buckhorn (Dishman) Claims
Lemhi County, Idaho
$29,648.64 - Copper

Griswold

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 exploring a vein, once mined for the gold it contains, but now being worked for the copper content. The vein has been opened in a number of places by cuts and tunnels and it is now proposed to drift 900 feet in the vein from near the base of the mountain and 600 feet below Tunnel #4 in which the vein is reported to be "badly broken". At the lowest level the "broken" condition is expected to be less serious. Numerous samples have been taken and assayed, but widths, manner of taking, etc., are not given. On average a high copper content is suggested.

An examination has been made, a move well warranted.

As a matter of form, referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

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

RECEIVED NOV 5 1956 D.M.E.A.

November 5, 1956

Griswold

Memorandum

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

From: Commodity Specialist, Branch of Base Metals

Subject: Review of application, Docket No. DMEA - 4528 (copper), Edwards and McDougal, Buckhorn or Dishman Claims, Lemhi County, Idaho. $29,648.64.

The applicant proposes to explore for copper by 900 feet of adit along the Buckhorn vein, with the intention of intersecting the so-called new vein and the iron vein, at an estimated total cost of $29,648.64.

According to Weissenborn's letter of transmittal dated October 30, the property was examined by Howard B. Nickelson, Geological Survey, on October 21-24, inclusive.

Because this action has already taken place, 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 2, 1956

Mr. Dave Edwards
P. O. Box 901,
Salmon, Idaho

Subject: DMEA-4528
Re: Exploration Assistance
Buckhorn or Dishman Mine

Dear Mr. Edwards

Your application for exploration assistance, dated October 16, 1956 submitted to our office at Spokane, has been assigned Docket Number DMEA-4528 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,

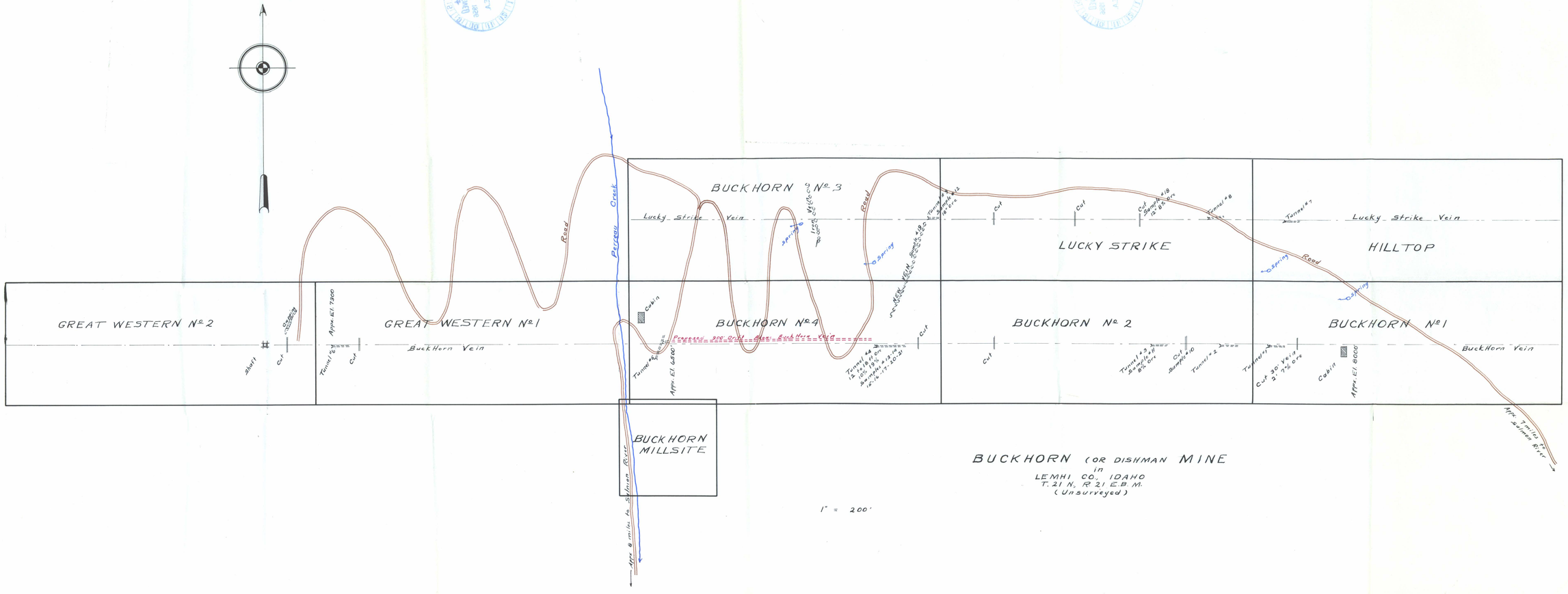
Allen S. Dakan, Chief
Operations Control and
Statistics Division

Copy to:

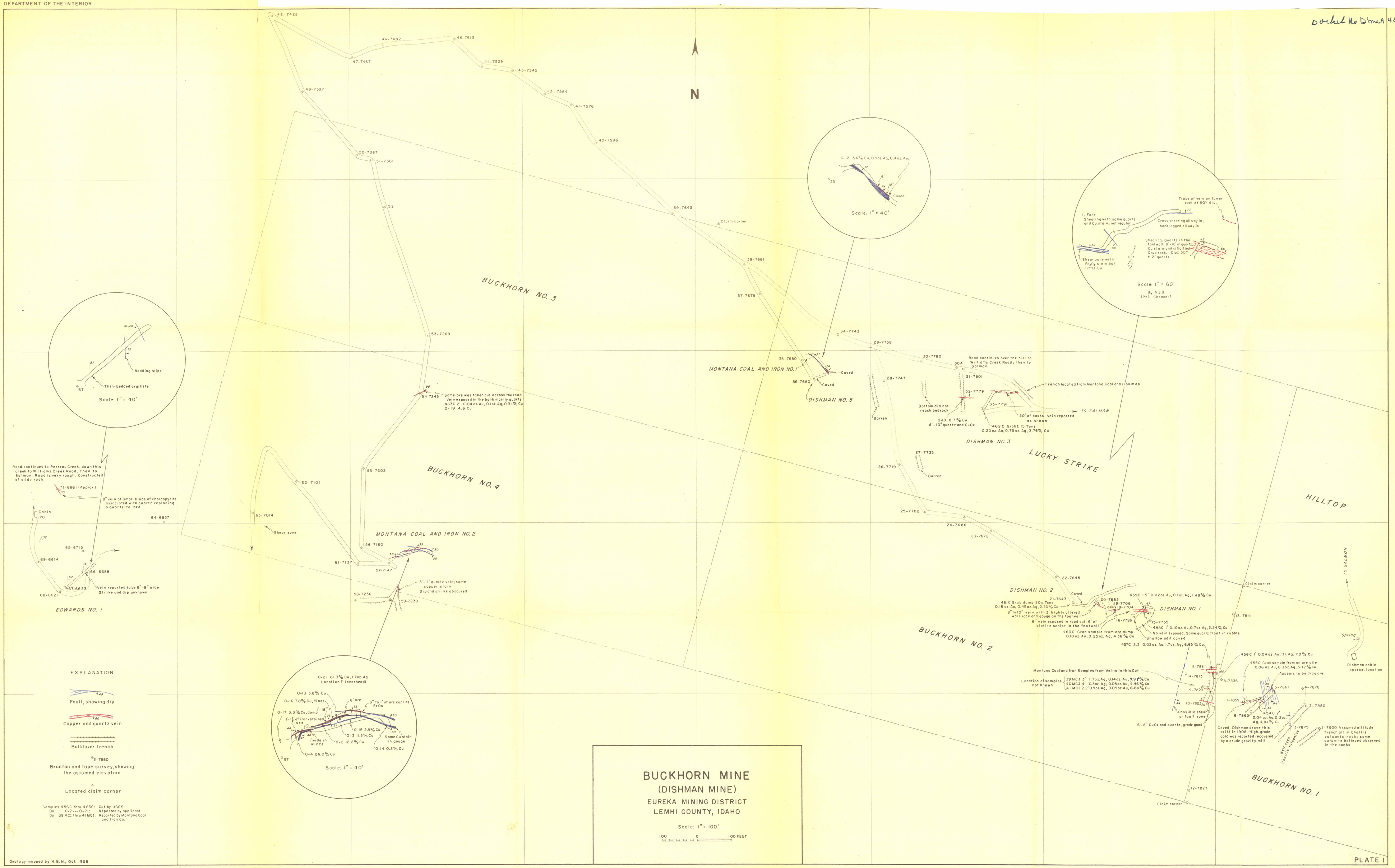
Region I,N.W. Spokane, Washington

Code 500

3571



BUCKHORN (OR DISHMAN MINE
in
LEMHI CO. IDAHO
T. 21 N, R 21 E.B.M.
(Unsurveyed)

UNITED STATES
DEPARTMENT OF THE INTERIOR

Docket No D'mEA 4548