DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm-E NO._____ DMEA NO. 3362

Application
- [ ] Denied
- [x] Withdrawn Reopened 6/20/57

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

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

Folder No. 1:

Left Side

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [ ] Contract with all exhibits and annexes
- [ ] Owner's Consent to Lien and Subordination Agreement
- [ ] Application and attachments

Right Side

- [ ] Project summary (final)
- [ ] Work Completed analysis (final)

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

Folders No._____: Reports
- [ ] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

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

Folders No._____: Maps (Use pocket folder or envelope)

Folders No._____: Settlement Sheets

Folders No._____: Drill Logs

Folders No._____: Royalty material

17963

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

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

May 20, 1954

Memorandum

To: Defense Minerals Exploration Administration
Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for loan - Tungsten
Moore Creek Mining Company
Calaveras County, California

Attached are three of the four copies of an application for exploration aid received in this office on May 19, 1954.

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Roscoe Smith, USGS

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. 3362
Metal or Mineral Tungsten
Date Received
Estimated Cost $42,230
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: Moore Creek Mining Company--Partnership
Chester W. Decker--P.O. Box 163-Pioneer, California
John R. Hughes--P.O. Box 582-Folsom, California

(*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 Bay Horse Mining Claim and White Horse Mining Claim--Description on enclosed copy

(*b*) State any mine name by which the property is known. Bay Horse-- White Horse

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

(*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. enclosed copy.

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.

16—66551-1

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

(*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. map enclosed.

(*c*) The work will start within 15 days and be completed within 4 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. None 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.

(*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?

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated May 18, 1954

Moore Creek Mining Company
(Applicant)

By Chester W Decker
John R Hughes

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

Sheet No.1

4-A

The White Horse Claim, which we wish to explore further, has had a certain amount of development work done before we took possession. This work consists of a tunnel leading into the side of the mountain on the ore body. It is running in a southerly direction, being 5' by 7' and 60' in length. Halfway in, there is a short drift to the east and almost to the end of the tunnel is a drift to the west that is about 25' in length also 5' by 7'. This drift contains a small drift tothe north at the half-way mark.

Since taking control of the claim we have opened a small face at the entrance of the tunnel. The tunnel is open and is readily accessible for examination purposes. The ore body is accessible (lying on the side of a mountain) by means of trails crossing the ore body.

The Bay Horse Claim has had a small open face developed in its ore body before we took possession. It is readily accessible by means of a trail to the ore body.

4-B

There has been no past or present production of this ore body.

4-C

This is a Tactite ore body, lying in a vein in a metamorphic formation with a granite contact. The ore body outcropping can be traced to a width of approximately 40 to 60 feet and approximately 400 feet in length. We wish toe xplore this property for several reasons. To find out the quantity and quality of the Tungsten ore and and also to find out depth and the continuation of the vein.

4-D

There is a road to the tunnel on the White Horse Claim from camp site. The access road from State Highway to mine camp is kept open and graded. The nearest point of supply is 44 miles, and residences, beside the camp, is 30 miles.

4-E

Materials, supplies and equipment are available at Jackson, Calif. There is a high power line $\frac{1}{4}$ mile from tunnel site. Manpower is available within a radius of 30 miles. Sufficient water is available to run mine and mill from water power.

5-B

The proposed work to be by tunnelling, cross drifting and trenching for ore body width.

5-D

C. W. Decker, one of the applicants has had great amount of experience as under-

ground and open pit mining Superintendent for the North American Tungsten mines and the T and T Mines. John R. Hughes, another of the applicants, has been operating his own Contracting firm since 1943. He has had a great amount of experience in tunnelling and open pit ming which was done under contract with El Dorado Chrome Co., Teekay Mines Inc., and North American Tungsten Co.

6-A

None.

6-B

4 Drillers	$ 8.00 per hr.	
1 Bookkeeper	2.25 " "	
1 Manager	2.65 " "	
1 Tractor Operator	2.65 " "	
1 Truck Driver	2.00 " "	
	$ 17.55 per hr.	
	8 hr. day	
	$140.50 per day--22 days per month	$3091.00
	Consultants	500.00
		$3591.00
	4 month	$14364.00 Total Cost

6-C

Drill Bits	$150.00	Cable and Chains	$ 40.00
Drill Steel	106.20	Vise	50.00
Air Hose	120.00	Chain Hoist	33.00
Air pipe	1020.00	Tap and Dies	50.00
Water Pipe	360.00	Pipe Wrenches	14.00
Gasoline	427.50	Pipe Cutter	9.95
Diesel	680.00	Pipe Dies	53.50
Oil	100.00	Claw Hammers	12.00
Grease	5.25.	Hand Saws	15.00
Powder	440.00	Wrecking Bar	2.53
Caps	138.00	Axes	14.23
Detonator	50.00	Oxygen and Acetylene Outfit	98.83
Detonator Wire	35.00	First Aid Kits	13.00
Connecting Wire	2.86	Stretcher	17.50
Shovels	19.74		
Picks	14.94		
Slick Sheets	30.00		
8# Hammers	7.78		
Timber Saws	9.45	Total Cost	$4140.39

6-D

1-Compressor----------	$500	per month rental
2-Jack Hammers--------	200	" " "
1-Bulldozer----------	675	" " "
1-Front-end Loader---	750	" " "
2- Trucks----------	500	" " "

$2625.00 per month suggested rental prices
4 months
$10500.00 Total rent or equipment

1-Upright Tunnelling Bar and Hammer----------	$895.00
1-Car----------	200.00
1000 feet of Track--------	500.00
Rail Plates----------	100.00
Rail Spikes----------	100.00
1 Switch----------	50.00
	$1845.00 Equipment to Buy
	$10500.00 Equipment to Rent
	$12345.00 Total Cost

6-E

None

6-F

New Buildings, Improvements, Installations

(1) one building 20 x 14 feet to be used for bunk house and office Labor and Material--------	$ 500.00
(1) one building 20 x 14 feet to be used for kitchen and mess hall Labor and Material--------	500.00
1000 feet ¾ inch pipe and fitting for domestic use Labor and material--------	200.00
1 kitchen sink ----------	15.00
1 wood kitchen range----------	100.00
1 wood stove for bunk house and office----------	25.00
Stove pipe----------	7.50
Bunks for bunk house--6@ $10.00 ea.----------	60.00
Cooking Utensils and Dishes----------	125.00
1 Table and 6 Chairs for mess hall----------	50.00
1 Desk and chair for office----------	75.00
1 File Cabinet for office----------	25.00
Mattresses for bunk house--6@ $10.00 ea.----------	60.00
1 Typewriter for office----------	125.00
(1) one building 6'x8' for shower and Dressing room Labor and Material--------	175.00
100 feet ¾ inch pipe and fittings----------Labor and material--------	25.00
one Wood hot water heater----------Labor and Material--------	75.00
Total Cost--------	$2142.50

6-G

Tractor Repairs----------	$ 1056.00
Truck Repairs----------	704.00
Compressor----------	352.00
Jack Hammer & Air Hose---------	176.00
Analytical Work----------	704.00
Accounting----------	200.00
Workmen Compansation & Employer Liability----------	622.80
Payroll Taxes----------	123.64
	$ 3738.44 Total Cost

6-H
Contingencies Allowance $5500.00

7-A
Yes

7-B
Money

THE WHITE HORSE QUARTZ MINING CLAIM

That the number of linear feet claimed in length along the course of the vein, each way from the point of discovery is 1300' S and 200' N and the width of the vein or lode is 300' on either side thereof, as measured from the center line of the vein at the surface and the general course of the vein or lode, as near as may be, is N. and S. Starting at stake of discovery running N. 200' to N. center end stake thence E 300' to N.E. corner stake thence 750' S to S center line stake thence 750' S to SE corner stake thence 300' W to S center end stake thence 300' W to SW corner stake thence 1500' N to NW corner stake thence 300' W to N center end stake.

This claim is located approximately ½ mile S of Garnet Peak on the S bank of Moore Creek in R. 16-E T. 7-N Sec.-7. Recorded in Volume 19 Page 278, in office of County Recorder, Calaveras County, California.

THE BAY HORSE QUARTZ MINING CLAIM

Number of linear feet claimed in length along the course of the vein, each way from the point of discovery is 200' N and 1300' S and the width of the vein or lode is 300' on either side thereof, as measured from the center line of the vein at the surface, and the general course of the vein or lode, as near as may be, is northerly and southerly. Starting at this stake which is point of discovery, running north along center line to N center end stake No. 1. Thence W 300' to N.W. corner stake No. 2. Thence S 1500' to S.W. corner stake No. 3. Thence 300' E to S center end stake No. 4. Thence 300' E to S.E. corner stake No. 5. Thence 1500' N to N.E. corner stake No. 6. Thence W to N center end stake. Thence 200' S to discovery stake or point of beginning. This claim is located approximately ½ mile S of Garnet Peak on the S bank of Moore Creek in R. 16-E. T. 7-N. Sec.-7. Recorded in Volume 19. Page 278-9, in office of County Recorder, Calaveras County, California.

3-(F)

This agreement made and entered into this 19th day of March, 1954, between Grover C. Bruce and Evelyn Bruce, his wife, of Murphys, Calaveras County, California, the parties of the first part and Chester W. Decker and John R. Hughes of Pioneer P.O. Amador County, California, the parties of the second part: WITNESSETH: Whereas, the parties of the first part are the owners of those two unpatented Quartz Mining Claims, situated in the West Point Mining District, Calaveras County, California, as follows:

1st, The White Horse Quartz Mine described in Notice of location now appearing of record in the office of the County Recorder of the County of Calaveras, California in book No. 19 of Mining Claims at page 278.

2nd, The Bay Horse Quartz Mining Claim, descfibed in notice of location now appearing of record in Book No. 19 of Mining Claim at page 278-9 in the office of the County Recorder of the County of Calaveras, California. Express reference to the said record of said Mining Claim being hereby made for a more particular description thereof.

And whereas the parties of the second part hereto are desirous of securing an option to enter into the possession of said property and to mine, extract and reduce the mineral bearing ores and earth therein and extract the metals and other valuable minerals therefrom.

And whereas, the parties of the first part are willing to give and grant unto the parties of the second part, the right and option of entering into possession of said mining claims for the purpose of developing, opening up, prospecting and mining and reducing the ores in said property and extracting therefrom the precious metals and minerals therefrom together with the right to purchase from said party of the first part the said mining claims and property.

Now therefore, the parties hereto in consideration of the sum of one dollar, by each to the other in hand paid, the receipt whereof is hereby acknowledged, do mutually agree, the one with other as follows, to-wit: The parties of the first part hereby agree that at anytime after date hereof, upon payment to them of the sum of $30,000.00 lawful money of the United States of America, payable in installments at follows; The sum of $1000.00 on or before May 2, 1954; The further sum of $1000.00 payable on or before June 2nd, 1954; the further sum of $1000.00 payable onor before July2nd, 1954; the further sum of $1000.00 payable on or before August 2nd, 1954; the further sum of $1000.00 payable on or before September 2, 1954. Final payments to be made June 2, 1955,

that they will make, execute and deliver to the parties of the second part, or to their heirs or assigns, a deed conveying to said parties of the second part, all their right, title and interest of in and to said mining claims. It being mutually understood that the title of the parties of the first part is by location only.

It is mutually understood that upon the signing of this agreement by all parties, that second parties may immediately enter into possession of said property and may mine, operate, prospect and develop said property for the precious minerals and metals contained therein and do everything necessary and convenient for the economical working of said property, but it is mutually understood that as a condition for the continuing in force of this agreement that the parties of the second part shall begin the actual work of mining and developing said property within 10 days after date hereof, and will thereafter work at least 24-eight hour shifts per month upon said property, except when interrupted by unforseen accident or by circumstances beyond the control of the second parties and in the event of an interruption of said work the parties of the second part hereby agree to use reasonable diligence in the removal of said interruption and to resume work.

The parties of the first part hereby agree that upon the payment to them of the first installment of the purchase price for said property as herein agreed upon that they will make, execute and acknowledge a deed conveying to the parties of the second part, or to their heirs or assigns, all their right, title and interest in said property and will deposit said deed as an escrow with the Central Bank of Calaveras, at San Andreas, Calaveras County, California, with written instructions to said bank to hold said deed as an escrow, and to deliver said deed to the parties of the second part, their heirs or assigns upon the payment to said parties of the first part of the full purchase price of $30,000.00 as above provided for, and with further instructions to said Bank to return and redeliver said deed to the parties of the first part in the event that the full purchase price of said property is not paid as herein specified, or in the event of a termination of this agreement by the failure of the parties of the second part to perform any of the terms and conditions in this agreement by them to be kept and performed.

The parties o f the second part hereby agree to make, execute and deliver a quitclaim deed to the parties of the first part of the premises above described and

deposit it in escrow with the Central Bank of Calaveras at San Andreas with written instructions to said bank to deliver the said deed to the parties of the first part in the event the parties of the second part fail to make the payments herein provided for, or fail to perform any of the terms and conditions provided tobe performed by them in this agreement.

It is further mutually understood and agreed that the parties of the second part, their heirs, or assigns may extract the mineral bearing quartz or other rock or earth from said premises during the life of this agreement and may mill or otherwise reduce said rock or earth and recover the minerals or metals contained therein and retain same for their own use and benefit, provided however that ten per cent of the gross amount of precious metals or minerals recovered shall be paid to the parties of the first part and applied upon future payments of the purchase price.

It is further mutually agreed that all work done upon said property shall be done in a good workman like and minerlike manner timbered when necessary to preserve the property for future development, and that all work, labor or supplies used in the business of mining upon said property shall be done at the sole cost, charge and expense of said parties of the second part and without cost charge, expense or liability to the parties of the first part, or to said property. The parties of the first part hereby reserve the right to post and keep posted upon said property notice or notices of their non-responsibility, or the non-liability of the premises for any work or labor done or supplies furnished and used or to be used in connection with any mining upon said property.

The parties of the first part hereby reserve the right to go upon said property and into any shafts, drifts or other places where mining is being done for the purpose of inspection and examining said property.

The parties of the second part may use any growing timber upon said property for use in mining upon said property and may cut enough firewood from said property for their immediate use while mining on said premises.

It is further mutually understood that the parties of the first part of their duly authorized agent or agents may without cost inspect the books of account of said second part to keep themselves fully informed as to what gross amount of metals or minerals are derived from working said mines.

It is mutually understood and agreed that this is an option to purchase only and that parties of the second part may elect to discontinue further performance of the terms at any time without being further liable to said first parties, provided however, they surrender possession of said property tothe parties of the first part.

It is further mutually agreed that all timber in place in said mining claims, buildings, car tracks in place, gallows frames placed in or upon said property by the parties of the second part, shall be deemed affixed to the realty and upon the termination of this agreement without purchase shall remain on the property and become the property of the parties of the first part, but it is further agreed that all machinery, supplies on the ground, mining appliances and similar improvements placed in or upon said property by parties of the second part shall be deemed personal property and may be removed by said parties of the second part at any time within 90 days after the termination of the agreement without purchase, but in the event said peoperty is not removed within the 90 day period, after the termination of this agreement without purchase, then said property shall be deemed fixtures and become the property of the parties of the first part as rent for the use of said premises without recourse in law or in equity.

The party of the second part hereby agree to comply with all Federal or State requirements in connection with mining, upon the said property, and during the life of this agreement hereby agrees to pay all taxes or assessments levied or assessed against said property, and further agrees that if this agreement is not fully complied with by second party, that any payments made to first parties ahll be retained by said first parties as liquidated damages and as rent for the said premises.

Second party hereto, hereby waives the necessity of the parties of the first part giving notice of the breach of any of the terms and conditions of this agreement.

Time is of the essence of this agreement and of all of its terms and conditions, and a default by second party of any of its terms and conditions will justify first parties terminating said agreement and they may re-enter and take possession of all of said property at their option.

This agreement is executed in duplicate, runs in favor of and is binding upon the heirs and assigns of the respective parties hereto.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and seals the day and year first above written.

GROVER C. BRUCE

MRS. EVELYN BRUCE

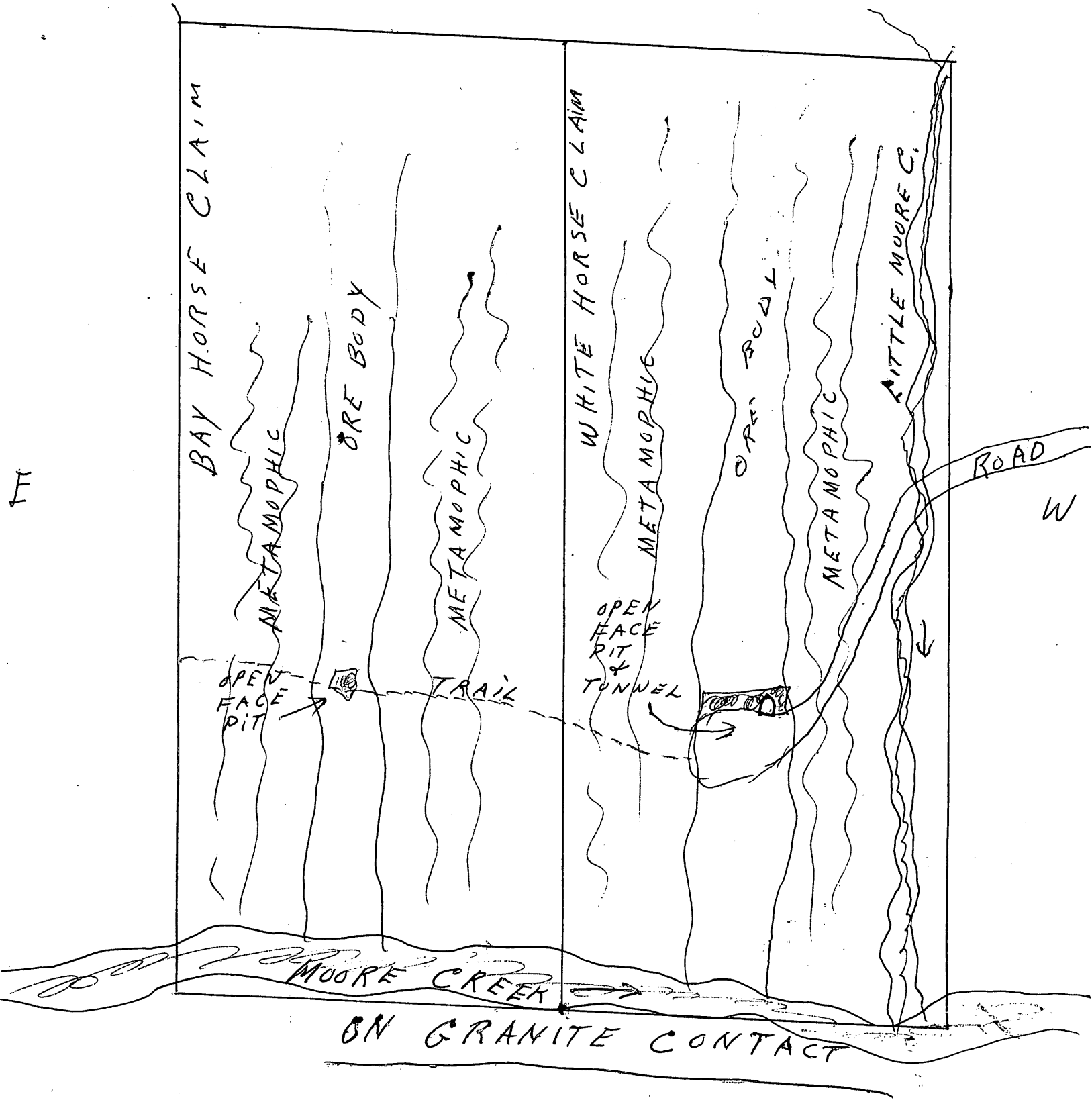
First parties

CHESTER W. DECKER

JOHN R. HUGHES

4-(C)

S

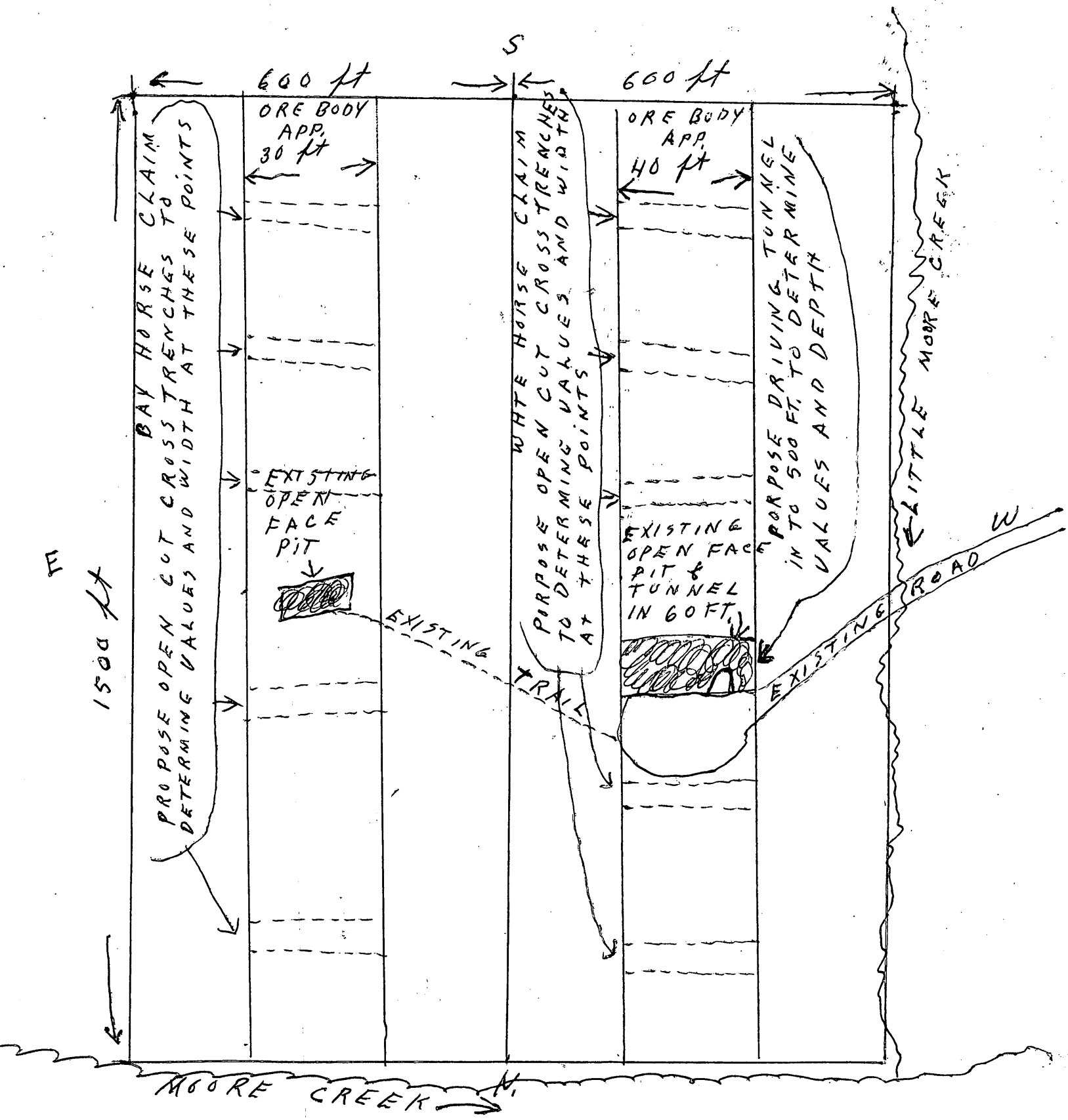

BAY HORSE CLAIM
WHITE HORSE CLAIM
METAMOPHIC
ORE BODY
METAMOPHIC
METAMOPHIC
ORE BODY
METAMOPHIC
LITTLE MOORE C.
ROAD
OPEN FACE PIT
TRAIL
OPEN FACE PIT & TUNNEL
MOORE CREEK
ON GRANITE CONTACT

E

W

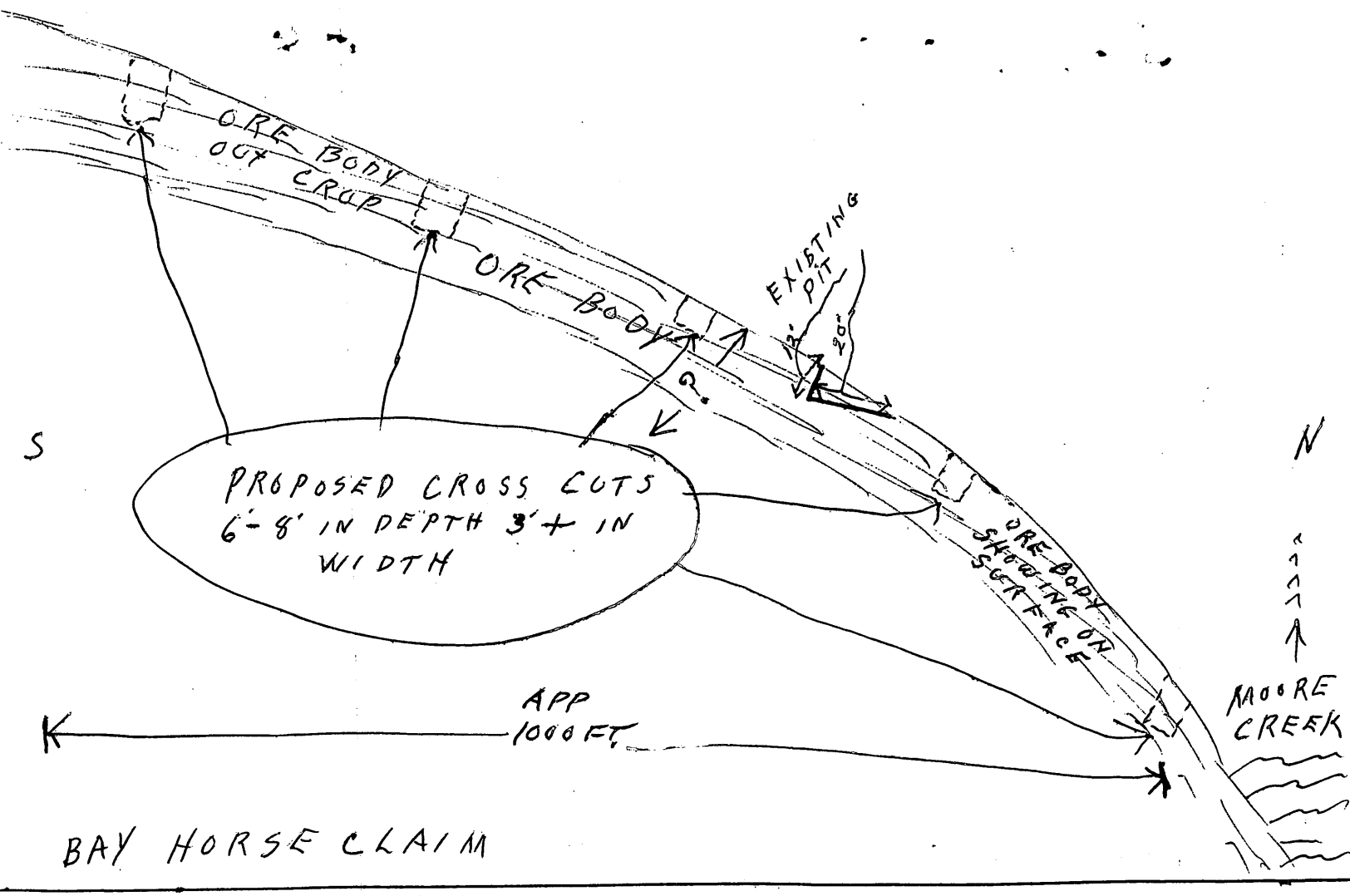
4-(C)

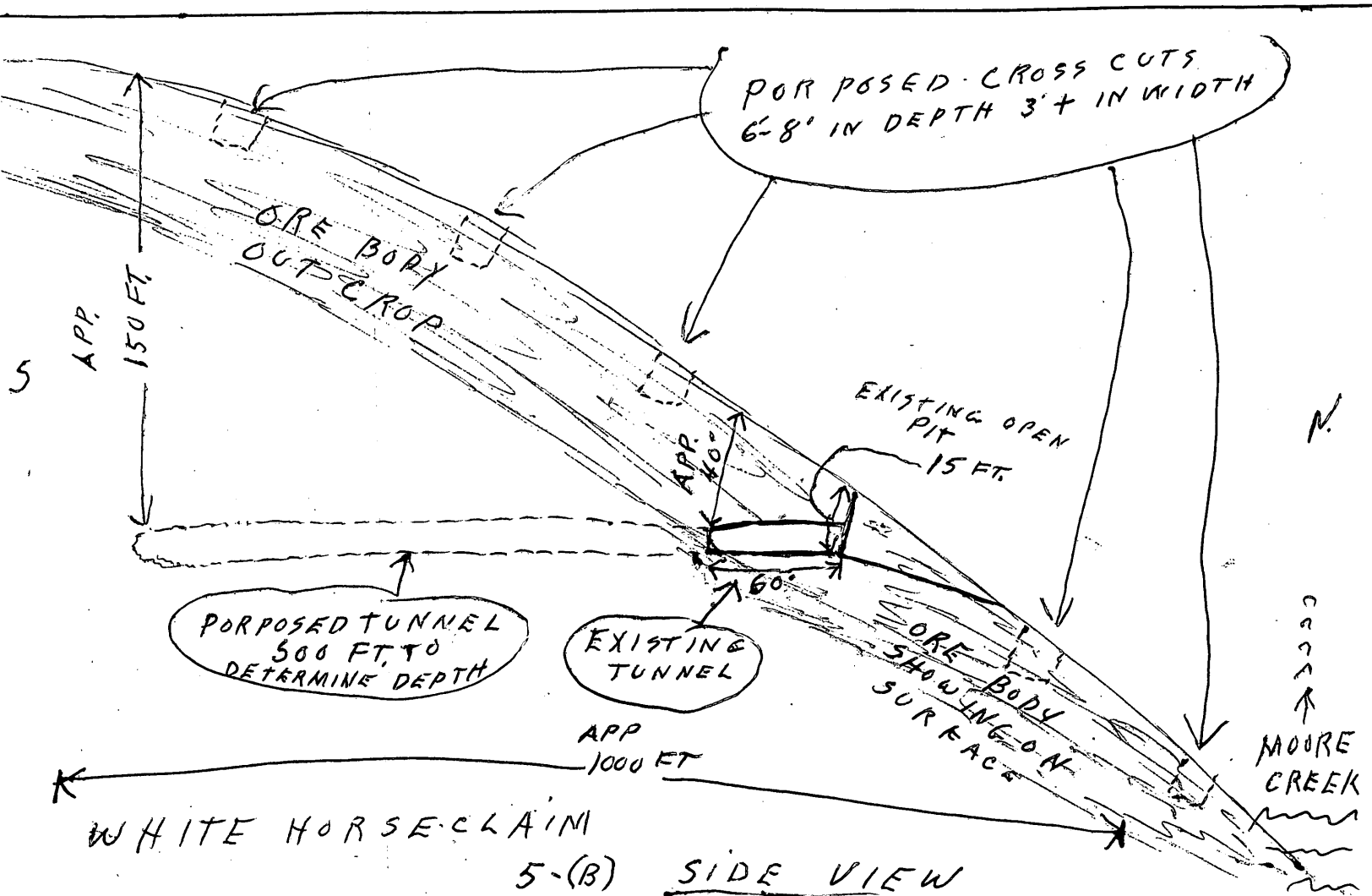
N


S
600 ft
600 ft
ORE BODY APP. 30 ft
ORE BODY APP. 40 ft
BAY HORSE CLAIM
PROPOSE OPEN CUT CROSS TRENCHES TO DETERMINE VALUES AND WIDTH AT THESE POINTS
WHITE HORSE CLAIM
PROPOSE OPEN CUT CROSS TRENCHES TO DETERMINE VALUES AND WIDTH AT THESE POINTS
PROPOSE DRIVING TUNNEL IN TO 500 FT. TO DETERMINE VALUES AND DEPTH
EXISTING OPEN FACE PIT
EXISTING OPEN FACE PIT & TUNNEL IN 60 FT.
EXISTING TRAIL
EXISTING ROAD
LITTLE MOORE CREEK
W
E
1500 ft
MOORE CREEK
N

5-(B)

TOP VIEW


ORE BODY OUT CROP
ORE BODY
EXISTING PIT
12'
20'
?
S
N
PROPOSED CROSS CUTS 6'-8' IN DEPTH 3'+ IN WIDTH
ORE BODY SHOWING ON SURFACE
APP 1000 FT.
MOORE CREEK
BAY HORSE CLAIM


PROPOSED CROSS CUTS 6'-8' IN DEPTH 3'+ IN WIDTH
ORE BODY OUT CROP
S
APP. 150 FT.
EXISTING OPEN PIT
15 FT.
N.
APP. 40'
60'
PROPOSED TUNNEL 500 FT. TO DETERMINE DEPTH
EXISTING TUNNEL
ORE BODY SHOWING ON SURFACE
APP 1000 FT
MOORE CREEK
WHITE HORSE CLAIM

5-(B) SIDE VIEW

EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

OFFICIAL BUSINESS

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MR. GEORGE C. SELFRIDGE, CHAIRMAN
OPERATING COMMITTEE, D M E A
DEPT. OF THE INTERIOR
WASHINGTON 25, D. C.

400 DOCKET SURNAME

Rutledge
Martin

OCT 6 1954

Moore Creek Mining Company
% Chester W. Decker
P. O. Box 163
Pioneer, California

Re: Docket No. DMEA 3362 - Tungsten
Bay Horse & White Horse claims
Calaveras County, California

Dear Mr. Decker:

In accordance with Mr. Curley A. Roberson's letter dated August 20, 1954, to Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region III, we are withdrawing the referenced application for exploration assistance from the active file and closing the docket.

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

Sincerely yours,

C. O. Mittendorf

Administrator

FARutledge:foc
10-6-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. REG. III
R. W. Geehan, USBM
Thor H. Kiilsgaard, USGS

Docket

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

420 Custom House
555 Battery Street
San Francisco 11, Calif.

September 29, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA
Interior Building, Washington 25, D. C.

WSM

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-3362 - Tungsten
Moore Creek Mining Company
Bay Horse and White Horse Claims
Calaveras County, California

Reference is made to your letter dated July 14, 1954, requesting a field examination of the subject property.

By letter dated August 20, 1954, Mr. Curley A. Roberson, Executive Officer, Moore Creek Mining Company, Inc., wrote me as follows:

"Pursuant to our conversation of the 18th of August in your office, we have incorporated under the California Code governing mining and are now in the process of erecting a mill of fifty ton capacity on the property, with plans to be in production within ninety days.

"In our application for assistance you will note moneys to be spent for road building and to expose the ore bodies. This has been done at our expense. Under the above circumstances, no further assistance will be needed at this time.

"We also wish to express our gratitude for the time and effort you have spent on our behalf, and are sending this along that you may act accordingly.

"If further information is required, please advise us."

As the property had been examined by a Bureau of Mines engineer in 1942 and no additional work had been done on the property up to the time your request for an examination was received, only a geologist was sent to the property. The geologist made his examination on July 29, 1954, and though the applicant has canceled his application, we nevertheless had the engineer and geologist complete their report for the record.

Attached are four copies of a report entitled "DMEA-3362, Bay Horse and White Horse Claims, Calaveras County, California, (Tungsten)," by W. T. Benson, Mining Engineer, U. S. Bureau of Mines, and H. K. Stager, Geologist, U. S. Geological Survey, dated September 16, 1954.

According to the examining engineer and geologist, there are no exposures of tungsten-bearing material of minable width and grade on the White Horse or Bay Horse claims. The concentrations of ore-grade material in the tactite bodies on the property are small, of marginal grade, and erratically distributed. They have concluded that the cost of finding additional pods of ore will probably exceed the value of the material contained in them, and have, therefore, recommended that the application for a loan be denied. Mr. Roscoe Smith and I concur with the recommendations made by the engineer and geologist.

In view of our recommendation for denial, it will be interesting to follow the developments at the property in view of the fact that the applicant is erecting a fifty ton a day mill to operate on what our men concluded is small, marginal grade ore, erratically distributed.

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Roscoe Smith, USGS
A. C. Johnson, Reno

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT - 4 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA-3362, Bay Horse and White Horse Claims

Calaveras County, California

(Tungsten)

W. T. Benson, Mining Engineer
U. S. Bureau of Mines

H. K. Stager, Geologist
U. S. Geological Survey

September 16, 1954

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT - 4 1954

EXAMINATION REPORT

Docket No.: DMEA-3362 (Tungsten)

Name and address of applicant: Moore Creek Mining Co.,
Chester W. Decker
P. O. Box 163
Pioneer, Calif.

John R. Hughes
P. O. Box 582
Folsom, Calif.

Name and location of property: Bay Horse and White Horse Mining Claims
Calaveras County, California

SUMMARY

Mr. Chester W. Decker and John R. Hughes of the Moore Creek Mining Co. applied to the Defense Minerals Exploration Administration for Government assistance to explore for tungsten on the White Horse and Bay Horse claims situated on Moore Creek, Calaveras County, Cal.

A joint Bureau of Mines-Geological Survey examination was requested by the Executive Officer, DMEA Field Team, Region III, to determine whether the tungsten showings on the property were sufficient to justify the project proposed by the applicant and to obtain data necessary to complete a contract. Accordingly, a field examination was made on July 29, 1954 by a geologist of the Geological Survey; the property had been examined previously by an engineer[1/] of the Bureau of Mines.

1/ Benson, W. T., White Horse Tungsten, Calaveras County, Calif. Letter No. 157, dated 3/23/42, to C. E. Julihn, Wash., D.C.

The applicants proposed to explore the tactite bodies on the White Horse and Bay Horse claims by an underground adit and surface trenches. Total cost of the program is estimated at $42,229.00.

As a result of the examination, it was determined that there are no exposures of tungsten-bearing material of minable width and grade on the White Horse or Bay Horse claims. The concentrations of ore-grade material in the tactite bodies on the property are small, of marginal grade, and erratically distributed. The cost of finding additional pods of ore would probably exceed the value of the material contained in them, and there is no geologic evidence upon which to base any probability of finding deposits of higher grade or larger size by the proposed program. It is, therefore, recommended that Government assistance under the DMEA program be denied.

INTRODUCTION

In connection with an application for exploration assistance, docket DMEA-3362, the Moore Creek Mining Co., (Bay Horse and White Horse claims) were examined on July 29, 1954 by a geologist of the Geological Survey for the purpose of inspecting development openings that pertained to the Moore Creek Mining Company's (Chester W. Decker and John R. Hughes) application for aid in exploring showings of tungsten found on the Bay Horse and White Horse claims.

DESCRIPTION OF PROPERTY

Property holdings comprise two unpatented lode mining claims, known as the Bay Horse and White Horse, situated in the S. 1/2 of sec. 7, T. 7 N., R. 16 E., Calaveras County, Calif., about 43 miles east of Jackson, the supply and shipping point on the Amador Central Railroad.

ACCESSIBILITY

The property is conveniently reached by automobile over paved and well graded roads through the small settlements of Pine Grove and Buckhorn Station to Moore Creek near its junction with the Mokelumne River, about 43 miles east of Jackson.

HISTORY

The claims were first brought to the attention of the Bureau of Mines in February 1942, at which time the property was known as the White Horse Tungsten which was located by Grover Bruce and C. N. Smith, Murphys, Calif., and was under lease to L. A. Smith, Room 303, #1 Montgomery Street, San Francisco, Calif. At that time, development openings comprised two cuts. The one on the White Horse claim was 40 feet in length, 20 feet wide, and 15 feet deep. Development on the Bay Horse claim comprised a trench 3 to 4 feet wide and 15 feet in length. In recent years, this cut has been extended to a width of 10 feet. In addition, on the White Horse claim, an adit 60 feet in length from the face of the large pit has been reopened.

On March 19, 1954, the claims were leased to the Moore Creek Mining Co., a partnership consisting of Chester W. Decker, P. O. Box 163, Pioneer, Calif., and John R. Hughes, P. O. Box 582, Folsom, California.

Production from the property was an 84-ton lot from the open cut on the White Horse claim that was shipped to the Metallurgical Development Co., Inc. mill at Gardnerville, Nevada for mill testing purposes. This lot from the best exposures on the property assayed 0.32 percent WO_3. A table concentrate was obtained that assayed 62.03 percent WO_3. A sulfide concentrate by flotation assayed 20.34 percent WO_3, 2.45 percent Cu, 2.60 ounces silver, and 0.11 ounces gold per ton. Total mill recovery of WO_3 from the ore was about 90 percent. but what percent in the form of a 60% concentrate or better?

PHYSICAL FEATURES

The claims are located on the south slope of Moore Creek in an area of moderately steep topography at an altitude of about 4200 feet. Climate in the area is typical of the low foothill country of the Sierra-Nevada with long, hot summers and moderately severe winters. Precipitation occurs usually as snow with occasional rains during the fall and winter months. Winter storms are sometimes severe enough to impede or stop mining operations during the winter months. An ample supply of water for domestic and mining needs is available in Moore Creek, which courses through the northern part of the property. A fair stand of fir, pine and cedar constitute the vegetation on the property.

Some of this timber is suitable for mining needs.

Transmitted electric power is not available. For powering Diesel engines, fuel oil was supplied in drums by truck from Jackson, 43 miles west.

COMPETENCY OF APPLICANTS

C. W. Decker, one of the applicants, has had considerable experience as a superintendent in underground and open pit operations. John R. Hughes, the other applicant, operates his own contracting firm and has had experience in open pit and underground mining operations. Undoubtedly, both men have had sufficient experience to supervise a mining operation.

HOUSING FACILITIES AND EQUIPMENT

No housing facilities or equipment is on the property.

GEOLOGY

The area of the Bay Horse and White Horse claims is underlain by metamorphic and igneous rocks. The metamorphic rocks are remnants of a roof pendant in granodiorite. The pendant is about a mile long, a thousand feet wide, and is composed chiefly of quartz-mica schist with numerous bodies of tactite along the margins. The schistosity and bedding of the rocks in the pendant strike north and are nearly vertical.

The Moore Creek Mining Company property is north of, and ad-

joins, the Harris & Boggess property [2/], and is part of the same roof pendant.

The granodiorite is a light-gray, medium-grained rock containing quartz, orthoclase, plagioclase, hornblende, and biotite. Near the contact with metamorphic rocks, the percentage of dark minerals has been greatly increased by the assimilation of mafic material, forming a zone of dark dioritic or hybrid rock.

The contact between the igneous and metamorphic rocks is nearly concordant with the schistosity and bedding on the west side of the pendant and cuts across it on the north end. The nature of the contact on the east and south was not observed.

Within the pendant are two bodies of tactite about 400 feet apart separated by beds of quartz-mica schist and intrusive tongues of granodiorite. The larger tactite body is about 50 feet wide, over 1,000 feet long, strikes about N. 5° E., and dips about 90 degrees. The other tactite body is about 15 feet wide, about 500 feet long, strikes N. 25° W., and dips near 90 degrees.

The tactite consists of garnet, epidote, and pyroxene, with minor amounts of quartz and calcite. Sulfides of iron, copper, and molybdenum were noted in the tactite exposed in open cuts on both claims. Near the

2/ Defense Minerals Exploration Administration docket No. 2734, Harris and Boggess Tungsten Property, Calaveras County, Calif., 1952, Report of examination by field team Region III by Lorin D. Clark, U. S. Geological Survey.

contact, the tactite is scheelite-bearing.

ORE DEPOSITS

The tungsten deposits are scheelite-rich zones in tactite. The ore minerals are scheelite, and chalcopyrite, with minor amounts of molybdenite and powellite.

Pods of fine- to medium-grained scheelite, with sparse crystals to one inch in cross section, occur at and near the contact of tactite with the granodiorite. The pods are a few feet in diameter and are estimated to average about 0.5 percent WO_3.

The deposit on the White Horse claim consists of small erratically distributed concentrations of scheelite in a garnet-rich zone about 15 feet wide and 50 feet long. A 15-foot chip sample across the zone exposed in the open cut assayed less than 0.01 percent WO_3, 0.01 percent Mo, and 0.65 percent Cu. A sample of broken rock in the bottom of the open cut, considered to be ore by the applicants, assayed 0.11 percent WO_3, 0.03 percent Mo, and 0.35 percent Cu. An old prospect adit from the face of the open cut and extending about 60 feet into the hillside beneath the deposit contains only scattered traces of scheelite in the walls.

A similar, though smaller, deposit is exposed 400 feet to the southeast near the center of the Bay Horse claim. A 10-foot chip sample across scheelite-bearing zone of tactite in the open cut assayed less than 0.01 percent WO_3, 0.05 percent Mo, and 0.40 percent Cu.

ORE RESERVES

There are no measured or indicated ore reserves exposed on the White Horse or Bay Horse claims. By careful mining and hand-sorting several hundred tons of marginal grade ore (0.3 to 0.5 percent WO_3) could be mined from the tactite body exposed in the open cut and adit on the White Horse claim. Several thousand tons of this grade material, concentrated in small pods and lenses throughout the tactite body on the White Horse claim, is inferred. The tactite body exposed on the Bay Horse claim is smaller in size and contains even less scheelite bearing material. No reserves are inferred for the Bay Horse claim.

SAMPLING

A series of three samples were taken from surface excavations and from material on the dump. Their location and assay values are shown on the attached sketch map, fig. 2.

EXPLORATION

The applicants propose to explore the tactite bodies on the White Horse and Bay Horse claims by an underground adit and surface trenches. On the White Horse claim, they propose to extend the existing adit 500 feet and also to cut five cross trenches 3 feet wide, 7 feet deep, and 40 feet long at intervals of about 300 feet along the strike of the tactite body. On the Bay Horse claim, they propose to cut five cross trenches 3 feet wide, 7 feet deep, and 30 feet long at intervals of about 300 feet along the strike of the other tactite body. Total cost of the program is esti-

mated at $42,229.00.

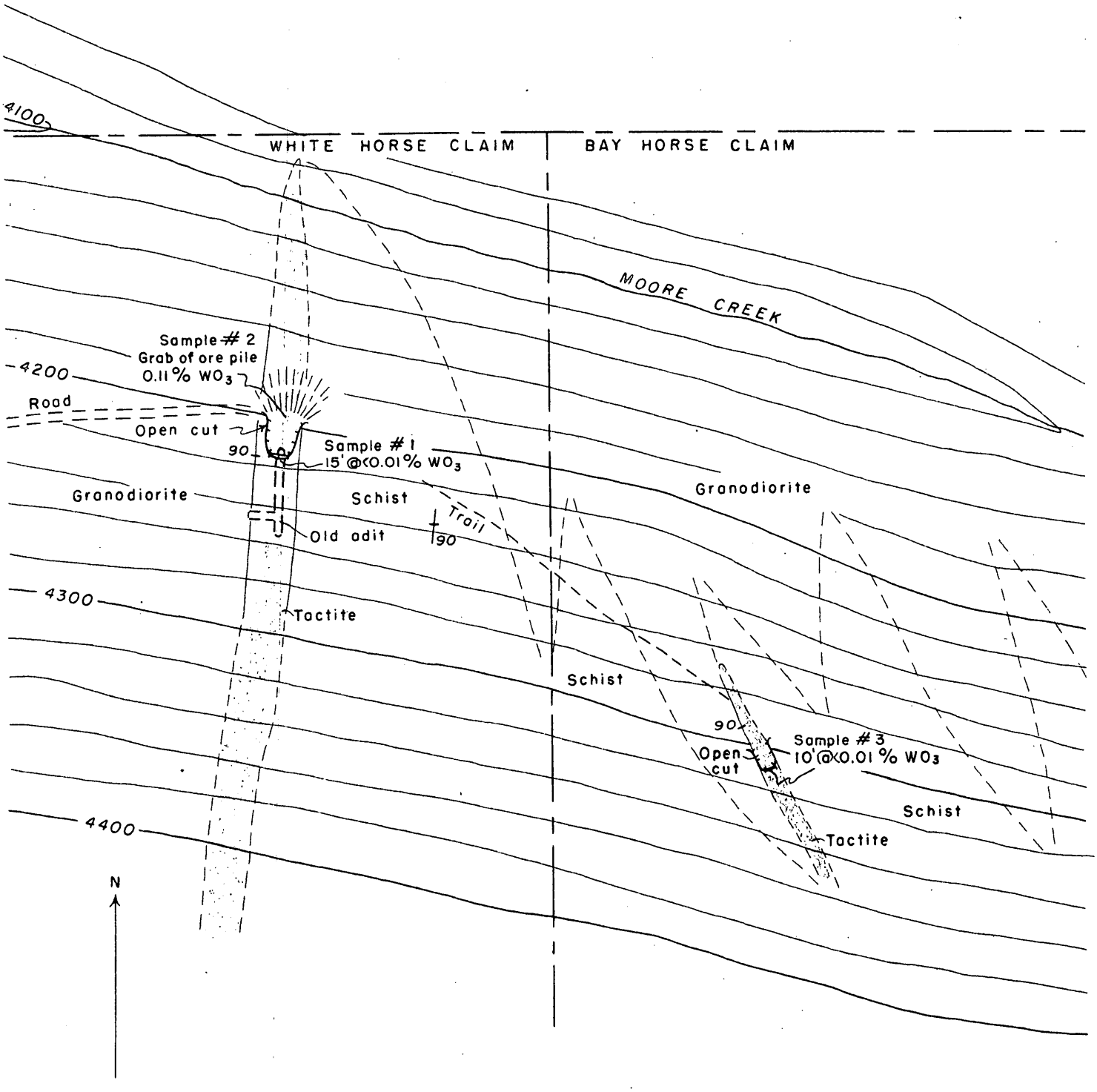
The ground to be explored on the White Horse claim by the proposed program is the most favorable geologically for the discovery of additional scheelite-bearing material but it is probable that the cost of such exploration will exceed the value of the ore to be found. The existing adit is in and under the most favorable exposure of scheelite-bearing tactite on the property and is almost barren of scheelite a few feet from the portal. At about 50 feet from the portal, a crosscut has been run to the tactite-granodiorite contact and contains only traces of scheelite. Extending this adit an additional 500 feet, even if ore-grade material is exposed by surface trenching, is likely to prove costly and unproductive.

A program of trenching, followed by diamond drilling in the more favorable exposures, would probably prove to be a more efficient method of exploration in this type of deposit. However, it is inferred that any other concentrations of scheelite-bearing material found by trenching will prove to be similar in habit to those already explored and will lack continuity in depth.

CONCLUSIONS AND RECOMMENDATIONS

There are no exposures of tungsten-bearing material of minable width and grade on the White Horse or Bay Horse claims. The concentrations of ore-grade material in the tactite bodies on the property are small, of marginal grade, and erratically distributed. It is probable

that the cost of finding these small pods of ore will exceed the value of the material contained in them. There is no geologic evidence upon which to base any probability of finding deposits of higher grade or larger size by the proposed program. It is recommended that Government assistance under the DMEA program be denied.



SKETCH MAP OF MOORE CREEK TUNGSTEN PROSPECT
CALAVERAS COUNTY, CALIFORNIA

100 0 100 200 FEET

Contour interval 20 feet
Datum approximate

FIGURE 2

400
DOCKET
SURNAME
Rutledge
Martin
Newcomb
Geehan
Thayer
Selfridge
Gilmore

JUL 1 4 1954

Mr. H. C. Miller, Executive Officer
DMEA Field Team, Region III
420 Customhouse Building
555 Battery Street
San Francisco 11, California

Re: Docket No. DMEA 3362 - Tungsten
Moore Creek Mining Co.
Bay Horse & White Horse claims
Calaveras County, California

Dear Mr. Miller:

The above-docketed application for exploration assistance is being referred to your office for a field examination of the property.

The tungsten occurrence on the White Horse claim was examined by W. T. Benson, Bureau of Mines, in March 1942. Though the mineralization exposed by the exploration completed at that time was not very encouraging, additional exposures and underground workings are now available for examination.

If the results of the Field Team examination indicate Government participation in an exploration program is warranted, Owner's Consent to Lien forms should be executed.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (24)

APPROVED:

J. H. Hedges
Member, Bureau of Mines (24)

D. M. Larrabee
Member, Geological Survey (24)

FARutledge:foc
7-7-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. Reg. 3
R.W. Geehan, USBM
T. P. Thayer, USGS

R.C.L.

400

DOCKET
SURNAME
Rutledge
Martin
Newcomb
Geehan
Thayer
Hodges
Lovejoy
Selfridge
R.J. Brown

JUL 1 4 1954

Moore Creek Mining Co.
% Chester W. Decker
P. O. Box 163
Pioneer, California

Re: Docket No. DMEA 3362 - Tungsten
Bay Horse & White Horse claims
Calaveras County, California

Dear Mr. Decker:

The above-docketed application for exploration assistance for tungsten has been reviewed by the Iron and Ferro-Alloys Division of the Defense Minerals Exploration Administration and referred to Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region III, 420 Customhouse Building, 555 Battery Street, San Francisco 11, California, for a field examination of the property.

Any assistance that you can render the members of the Field Team will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

FARutledge:foc
7-7-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. Reg. 3
R. W. Geehan, USBM
T. P. Thayer, USGS

R.C.L.

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

May 24, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region III.

DMEA - 3362 Moore Creek Mining Co.

Robert E. Adams,
Chief, Operation's Control
and Statistics Division

Moore Creek Mining Co.
% Chester W. Decker
P. O. Box 163
Pioneer, California

May 24, 1954
Subject: DMEA-3362
Re: Exploration Assistance
Bay Horse & White Horse

Gentlemen:

The receipt of your application dated May 18, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3362 and referred to the Iron and Ferro Alloys Division.

Kindly refer to DMEA-3362 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams
Chief, Operation's Control
and Statistics Division