DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm-E NO._____ DMEA NO. 4950

Application
- [x] Denied
- [ ] Withdrawn

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
- [x] Application and attachments

Right Side

- [x] 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
- [x] 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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

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February 27, 1958

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Loan Application (Molybdenum)
Moore Creek Mining Company
White Horse & Bay Horse Claims
Calaveras County, California

Enclosed are three sets of MF-103, Application for Aid forms relative to above subject. The fourth set has been retained in our files.

S. Ricker

Attachments

MAR 3 1 05 PM '58

Form MF-103
Revised Feb. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1035.3
Approval expires June 30, 1958

APPLICATION FOR AID IN AN EXPLORATION PROJECT

PURSUANT TO DMEA ORDER I, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

NAME OF APPLICANT (Full legal name and mailing address as it should appear on contract if one is executed)

MOORE CREEK MINING COMPANY
P. O. BOX 78
Pioneer, Calif.

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APPLICANT NOT TO USE THIS BLOCK

Docket Number	4950
Date Received	Rec'd 2/21/58 3-4-58
Government Participation %	50 of D
Region	II
Division Code	700

BUSINESS ORGANIZATION (Check one)

- Individual [ ]
- Corporation [X]
- Partnership [ ]
- Other (Specify) [ ]

State in which firm is organized Calif

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title
Chester W. Decker	Box 873, Pioneer, Calif	President-dir.
Alfred B. Corda	Greenfield, Calif.	Vice-Pres.-dir.
Norman W. Shaw	408 Belding Bldg, Stockton, Calif.	Director
Eileen Stevens	240 S. Sutter St. Stockton, Calif.	Secty-Treas

Mineral(s) for which you wish to explore: Molybdenum

Estimated Cost of Project $ 19,416.00

LOCATION OF PROPERTY

Name	County	State
Moore Creek Mining Co.	Calaveras	Calif.

GENERAL INSTRUCTIONS

Before filling out this application, please read DMEA Order-I, Amended, "Government Aid in Defense Exploration Projects." To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit four copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 1, existing mine workings and geology in item 2, and the proposed exploration project in item 4. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 2(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest DMEA Field Office.*

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.

MOORE CREEK MINING CO.

Feb 17, 1958
Dated

Chester W. Decker
BY (Signature)

pres.
Title

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

INFORMATION REQUIRED WITH THIS APPLICATION

1. *Applicant's Property Rights:*

(a) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all land adjacent to the proposed project area which you own or control. Describe any part of the project land or workings which should not be subject to Government lien for royalty payments. If the land consists of unpatented claims, state the book and page number for each recorded location notice, including amended locations, and the place where recorded (courthouse, recorder's office, county, and state).

(b) State all the names by which you know the property.

(c) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise. If you are not the owner, submit with this application one exact copy of the lease, contract, or other document (with address of owner) under which you control the property.

(d) Describe all liens, mortgages, or other encumbrances on the property.

2. *Physical Description:*

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the lands, including existing mine workings. Describe all production facilities.

(b) State your interest, if any, in operations stated in 2*(a)*.

(c) State, as far as you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves on the property giving quantities and grades and sampling methods used, supporting your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you may have, indicating on each whether you require its return to you.

3. *Accessibility of Project:*

(a) To aid DMEA representatives who may be required to examine the property, state the name and address of the person who will meet the DMEA representative; give directions for reaching the property; and describe accessibility of the property including the mine workings.

(b) Name the shipping and supply points and places where employees reside and state the distances between them and the property.

4. *The Exploration Project:*

(a) Describe fully the proposed exploration project giving individual footages and sizes of openings *for each item of work.* Use narrative, maps, plans, and longitudinal and cross sections as necessary. Show the location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *property boundaries* or to the closest identifiable corner.

(b) If an access road to the project must be built, show the location on the property map and state the length, type, and construction methods proposed.

(c) In the event that an exploration contract with DMEA is executed, how soon will the work start and how many months will be required to complete it? State your anticipated average daily or monthly rate of progress for each type of work.

5. *Experience:*

State your operating experience and background with relation to your ability to carry out this exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of Costs:*

Furnish detailed estimates of the costs *for each item of the work proposed in 4(a)* under the headings listed below with a total for each heading and the estimated total cost of the project. Costs for any work to be performed by an independent contractor should be shown separately under category *(a)* below. Costs for any work that is not to be performed by an independent contractor should be given in detail under categories *(b)* through *(g)*.

(a) Independent contracts. State the cost of any proposed independent contract for the performance of all or any part of the work, expressed in units of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. *(Note* – If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. For necessary supervision, engineering and geological services, and labor, include an itemized schedule of numbers, classes, rates of wages, salaries or fees, and periods of employment. State whether these technicians and employees are available.

(c) Operating materials and supplies. List items of material and supplies with their cost. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of operating equipment to be used giving specifications and indicating how each item is to be acquired – i.e., rented, purchased, or provided by the applicant. If it is rented or purchased, state the estimated rental or purchase price. If it is to be furnished by the applicant, give its present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of necessary *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant, which will be used on the exploration project.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration project stating specifications and cost including labor, materials and supervision.

(g) Miscellaneous. For the operating equipment listed in 6*(d)*, describe the type and estimate the cost of repairs and maintenance expected during project operations. Do not repeat initial repairs listed in 6*(e)*. Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories.

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)* State whether you are prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation stated in Sec. 7 of DMEA Order–I, Amended.

(b) Explain to what extent you propose to furnish your share of the costs by providing money, by use of equipment owned by you, or otherwise.

* * * * *

INT.-DUP. SEC., WASH., D.C. 15539

Moore Creek Mining Co.,
P.O. Box 78
Pioneer, Calif

1- APPLICANTS PROPERTY RIGHTS

(a) Unpatented mining claims located in Stanislaus National Forest. White Horse quartz mining claim, T-7-N, R-16-E, M.D.B.M. Recorded in San Andreas, Calaveras County, Calif. West Point Mining District. Book 19, Page 278. Bay Horse quartz mining claim T-7-N, R-16-E, M.D.B.M. recorded in San Andreas, Calaveras County, Calif., West Point Mining District. Book 19, Page 279.

(b) White Horse Mining Claim
Bay Horse Mining Claim

(c) Lease purchase-Exhibit (A)

5 year extension to above has been obtained from Mr. Grover C. Bruce, Box 32, Murphys, Calif. Recorddd in San Andreas, Calaveras County, Calif.

(d) None

2. PHYSICAL DESCRIPTION

(a) Sketch exhibits (b) (c) (d)

This mine was originally opened for tungsten ore. During tungsten operation molybdenum ore was encountered throughout ore body. In places very massive pockets or lenses were found.

For production facilities there is a 100 ton mill on the Property with flotation units suitable for molybdenum ore.

(b) The above workings and mill construction were company operations.

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(c) The only molybdenum production are of recent operation. Only ore sample shipment of concentrates have been shipped, 200 lbs to Brumley-Donaldson Co., 75 Market St., Oakland, Calif. No reply on their findings as of this date.

(d) Not applicable for reasons given in 2 (a)

(e) See sketchs (b) (c) (d)

Vein

(f) By outcroppings, trenching and reasons given in 2 (a)

(g) We have no technologic information regarding molybdenum on these propertys.

3. ACCESSIBILITY OF PROJECT

(a) D.M.E.A. representatives can be met at Jackson, Calif postoffice by Company representative to give directions to mine, if given at least seven days notice. A vehicle can be driven to property.

(b) Nearest shipping and supply point is Jackson, Calif. There are housing facilities on property for employees.

4. THE EXPLORATION PROJECT

(a) (Sketch exhibit B) White Horse Claim

The applicant proposes to explore to the south of present workings by a tunnel 5'x7' and 200' in a southernly direction, also by 1800' of long hole drilling overhead and both sides of tunnel as indicated in sketch.

(Sketch exhibit C) Bay Horse Claim

Applicant proposes 200' of tunnel, 1800' of long hole drilling to explore this ore body.

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P. O. Box 78
Pioneer, Calif

(b) (Sketch exhibit D)

The applicant proposes 600' of road way as an access road to Bay Horse claim. This project would be built by drilling and blasting as needed, and use of bulldozer.

(c) In the event that an exploration contract is executed the work could be started within 30 days and completed within 5 months. Anticipated average daily progress of tunnelling, two 8 hour shifts 6'. Average progress on roadway 25' per day. Average progress on longhole drilling 150' per day.

5. EXPERIENCE

This project would be supervised by Chester W. Decker, under the directions of a reliable mining engineer or geologist who would make periodic visits.

6. Estimate of Costs

(a) Independent Contracts--None

(b) Personal Service

Consultants	$100.00 per visit plus $20.00 for expenses. 2 visits per mo. 5mo.		$1,200.00
Supervision	$500.00 per mo.	5 mo.	2,500.00
Labor	(Miners 2) $2.00 per hr. 2 shifts of 1miner each-6day wk. time and a half for 6th day $104.00 per wk. per miner 2 miners--20 wks.		4,160.00
	(Miners helpers 2) $1.85 per hr. 2 shifts of 1 helper each- 6 day wk. time and a half for 6th day $96.20 per wk. per helper 2 helpers--20 wks.		3,848.00

Moore Creek Mining Co.
P. O. Box 78
Pioneer, Calif

Dozer operator-1 $2.25 per hr.
1 shift per day 6 day week
time and a half for 6th day
$117.00 per wk
1 dozer operator--4 wks. $468.00

These technicians and employees are available.

TOTAL LABOR $12,176.00

(c) OPERATING MATERIAL AND SUPPLIES

Powder, caps and fuse $6.00 per ft. of drift 400 ft. of drift	$2,400.00
Miners lamps and carbide	35.00
Drill steel and bits $1.50 per ft. of drift 400 ft. of drift	600.00
Long hole steel and bits 5¢ per ft. 3600 ft. of hole	180.00
Picks-shovels	25.00
Powder, Caps, Fuse for road	300.00
Fuel and Oil for complete project	1,000.00
TOTAL	$4,540.00

(d) OPERATING EQUIPMENT
FURNISHED BY APPLICANT

H. D. 10 dozer with blade and winch	$4,500.00
365 C.F.M. compressor diesel powered	3,000.00
Emco 12 Mucking machine	2,500.00
Long-hole drilling machine with steel	650.00
Stopers and Hammers	1,500.00

Moore Creek Mining Co.
P. O. Box 78
Pioneer, Calif.

Air and Water hose	$150.00
Pipe, rail,ties	1,000.00
Total	$13,300.00

(e)REHABILITATION AND REPAIRS

None

(f) None
Housing would be furnished by applicant in established camp near mine.

(g) Miscellaneous

Estimated cost of repairs and upkeep of equipment furnished by applicant	$500.00
Assaying	200.00
Pipe and rail	800.00
Analytical, accounting, insurance ect. for project	1,200.00
TOTAL	$2,700.00

7. (a) yes

(b) By use of equipment furnished by applicant---money

ESTIMATED TOTAL COST OF PROJECT $19, 416.00

A unit cost contract qould be preferable to operator.

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EXHIBIT A

Moore Creek Mining Co.
P. O. Box 78
Pioneer, Calif

MINING LEASE AND OPTION AGREEMENT

THIS MINING LEASE AND OPTION AGREEMENT made and executed on this 13 day of July, 1954, by and between GROVER C. BRUCE and EVELYN BRUCE, his wife, herein called lessors, and CHESTER W. DECKER, herein called lessee,

WITNESSETH:

That lessors, in consideration of the sum of $1000.00 to be paid as hereinafter specified, and the payments provided for herein, and the faithful performance of the terms, conditions, covenants, and agreements herein agreed to be kept and performed by lessee, do hereby lease and let unto said lessee for the sole purpose of prospecting, developing mining and working the rock and ores therein for the tungsten, gold and other precious metals therein contained, as hereinafter provided, all that certain real property in Calaveras County, California and particularly described as follows, to-wit:

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PARCEL ONE: The WHITE HORSE Quartz Mining Claim, the notice of location of which appears of record in the office of the County Recorder of Calaveras County, California, in Book 19 of Mining Claims at Page 278, Calaveras County Records, reference to which is hereby made for a more particular description thereof.

PARCEL TWO: The BAY HORSE Quartz Mining Claim, the notice of location of which appears of record in the office of the County Recorder of Calaveras County, California, in Book 19 of Mining Claims at pages 278-9, Calaveras County Records, reference to which is hereby made for a more particular description thereof.

TO HAVE AND TO HELD the said premises unto said lessee for the term of 5 years from the date hereof.

Said parties hereto do hereby mutually covenant, promise and agree as follows, to-wit:

1. That the said sum of $1000.00 shall be paid to lessors by lessee on or before the 25th day of September, 1954, or upon the commencement of the erection of a mill upon the property hereby leased, whichever shall first occur, and that the said sum shall be in addition to all royalties and payments as hereinafter provided.

2. Lessee shall have the right, during the life of this lease, and agreement, of entering into and upon the above described lands for the purposes above mentioned, with the right of installing machinery and mining equipment and erecting buildings and improvements thereon, including the right to erect a mill.

3. Lessee shall have the right to mill or otherwise reduce the ores from said premises or to ship the same to some responsible milling or smelting company made known to lessors for the purpose of obtaining tungsten, gold or other metals or values therfrom, the proceeds to be divided and paid to the respective parties hereto in the manner as follows:

> Ten (10) per cent of the proceeds from tungsten, gold and other metals or products recovered from all milled or smelted ores shall be paid to lessors, and ninety (90) percent thereof to lessee.

In the payment and division of the proceeds of milled or smelted ores as above mentioned, it is agreed that the same shall be based upon mill or smelter recovery, and it is further agreed that lessee will pay lessors their share as above determined, on the 10th day of each and every month for the preceeding calendar month of operations during the term of this lease.

4. Lessee agrees that all work of mining and developing said property under this lease shall ve done in a good and workmanlike manner so as to develop said property as a mine for permanent future mining operations and athat all of such work shall be without cost, charge or expense to lessors or to said property, it being specifically agreed that in mining and extracting all ores the same shall be removed as they are encountered and that there will be no selecting of the higher grades before the lower grades in the milling and reduction thereof.

5. Lessee agrees to commence the active work of mining and developing said property within two weeks from the date hereof and to thereafter continuously mine and develop said property during the life of this lease and agre ment by doing and performing monthly not less than 48 shifts of mining work, except when interrupted by unforseen acts, strikes or labor troubles and severe weather conditions, and in such event reasonable diligence will be used to remove the cause of the interruption and resume work at the earliest possible moment.

6. Lessee agrees to keep all workmen fully insured under and in compliande with the Workmens Compensation Insurance and Safety Act of California during the operations hereunder and to comply with all other laws, rules and regulations, both State and Fed ral, governing mining operations and to conduct all work hereunder in accordance with good mining standarts and methods and to promptly pay all bills for labor performed and for equipment, materials, supplies, electric energy, water and/or utility furnished on said lands during the term hereof and to keep said lands free and clear of all labor , mechanics' and other liens and to that end will keep posted on said lands where any work is being performed, or equipment, materials, supplies or utilities furnished, such notice or notices of non-responsibility on behalf of lessors as said lessors may desire and furnish to lessee, it being agreed, however, that lessor also reserves the right during the life of this lease to post and keep posted a notice or notices of non-responsibility of lessors and of said premises for any work or labor performed or for materials furnished to be used in connection with mining operations hereunder in or upon said premises.

7. It is agreed that at all times that lessee shall carry on mining operations during the life of this lease, said lessee shall keep full, true and correct books of account, statements, vouchers, smelter and mill returns and receipts pertaining to mining operations conducted hereunder, and particularly showing the amount of ores extracted and reduced and the gross proceeds of tungsten, gold and other metals derived therefrom, and said lessors or their duly authorized agent shall at all reasonable times have free access to all parts and portions of said mining property and premises, real and personal, and to any mill or other reduction works where said ores are treated, crushed or reduced, for the purpose of examination and inspection, and shall be entitled to take samples of ores and to examine all books of account, statements, vouchers, mill and smelter returns and receipts agreed to be kept as hereinabove provided.

8. It is agreed that lessee shall have sixty days from and after the termination of this agreement within which to remove such mining machinery, tools,

appliances and equipment, except buildings, track, pipe and timber in place, as may hereafter be placed in and upon said mining property and premises by lessee, and in the event that said mining machinery, tools, appliances and equipment shall not be removed within said period of sixty days, then and in that event the same shall be deemed affixed to the realty and become a part thereof and belong to lessors, it being expressly agreed, however, that lessee shall not be entitled to exercise any of the rights of removal under this paragraph until all sums due and owing by lessee under any of the terms and provisions hereof shall have first been fully paid, and proper arrangements are made for the delivery of a good and sufficient quitclaim deed and release conveying and releasing to lessors all of the right, claims and privileges hereunder biven by lessors to lessee.

9. It is agreed that lessee, during the life of this lease, shall pay all taxes prior to delinquency that shall be levied or become due and payable upon the property hereby leased and upon any improvements or personal property placed upon said property and premises by lessee, or which may become due by reason of this agreement or of any operations carried on hereunder. It is further agreed that lessee will perform such assessment work and record such notices of the performance of such assessment work as may be necessary to keep the claims hereby leased in good standing, as required by the laws and mining regulations of the State of California and of the United States.

10. It is agreed that the terms and conditions of this agreement, insofar as the lessee shall be required to operate, mine and develop said premises, is optional with said lessee, who shall have the right, upon giving thirty (30) days notice of intention to abandon to lessors, and upon the execution and delivery to lessors of a quitclaim deed to said property, to discontinue and cease said work hereunder, whereupon said lessors shall be entitled to resume possession of said premises and real property, free and clear of any and all calims hereunder.

11. Time is of the essence of this lease and of each and all of the payments to be made as herein provided and of each and all of the terms, provisions and conditions hereof, and in the event that lessee shall at any time fail to perform or carry out any of the terms, conditions and agreements herein imposed upon lessee or make any of the payments provided herein to be made, then upon thirty (30) d ays written notice by mail to lessee of any such failure or default this lease shall immediately cease, end and terminate at the option of lessors, and all further rights of lessee in and to said premises hereunder shall at once and immediately become terminated and all payments theretofore made hereunder shall be retained by lessors as their property and lessors shall have the right to immediately enter into and upon said premises and remove all persons therefrom, provided, however, that if lessee cures said failure or default within thirty (30) days after the date of mailing notice as aforesaid, this lease shall continue in full force and effect.

12. It is further agreed that lessee will send or cause to be sent to ~~lessors copies~~ lessors copies, or a full account, of the mill and/or smelter receipts where the ores mined hereunder are milled or smeltered.

13. It is agreed that as a part of the consideration of this mining lease and option agreement that lessee, or his assigns, shall have, and is hereby given, the right and option of purchasing and acquiring from lessors the above described real property and premises for the total purchase price of $30,000.00, payable at any time during the life of this lease and agreement, it being expressly understood and agreed that the aforesaid $1,000.00 payment and all royalty payments made hereunder shall be credited on account of said purchase price in the event that lessee desires to exercise the right to purchase said real property and premises, and it being furthereagreed that upon the payment of said sum of $30,000.00 as aforesaid to lessors by lessee, said lessors will execute and deliver to lessee, his heirs or assigns, a good and sufficient deed conveying all of the said real property and premises above described, free and clear of any liens or encumbrances thereon.

14. It is agreed that this lease may be assigned by the parties hereto and that all of the terms, conditions, convenants and agreements herein contained are binding upon and enure to the benefit of the parties hereto, and their respective heirs, personal representatives and assigns.

DATED AND EXECUTED on the day and year first above written.

GROVER C. BRUCE

EVELYN BRUCE

Lessors

CHESTER W. DECKER

Lessee

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STATE OF CALIFORNIA)
) ss
COUNTY OF CALAVERAS)

On this 13th day of July, 1954, before me, the undersigned Notary Public in and for the said County and State, residing therein, duly commissioned and sworn, personally appeared GROVER C. BRUCE AND EVELYN BRUCE, his wife, known to me to be the persons described in and whose names are subscribed to the within instrument, and they acknowledged to me that they executed the same.

WITNESS MY HAND AND OFFICIAL SEAL on the date in this certificate first above written.

VIRGIL M. AIROLA
Notary Public in and for the
County and State aforesaid.

STATE OF CALIFORNIA)
) ss
COUNTY OF CALAVERAS)

On this 13th day of July, 1954, before me, the undersigned Notary Public in and for the said County and State, residing therein, duly commissioned and sworn, personally appeared CHESTER W. DECKER, known to me bo be the person described in and whose name is subscribed to the within instrument, and he acknowledged to me that he executed the same.

WITNESS MY HAND AND OFFICIAL SEAL on the date in this certificate first above written.

6666 Virgil M. Airola
Notary Public in and for the
County and State aforesaid.

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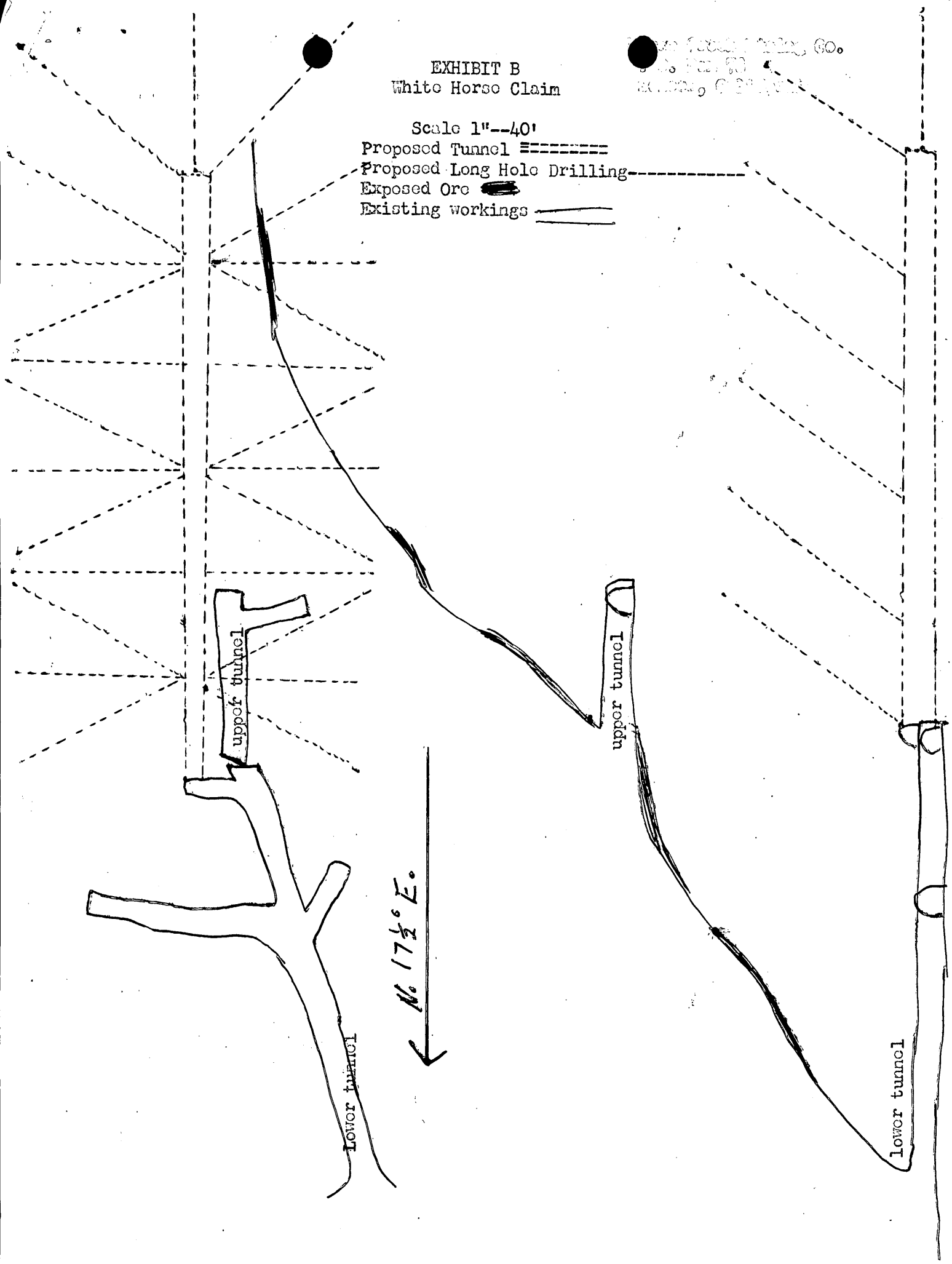
DATE	INITIALS	[illegible]

EXHIBIT B
White Horse Claim

Scale 1"--40'
Proposed Tunnel ========
Proposed Long Hole Drilling----------
Exposed Ore
Existing workings



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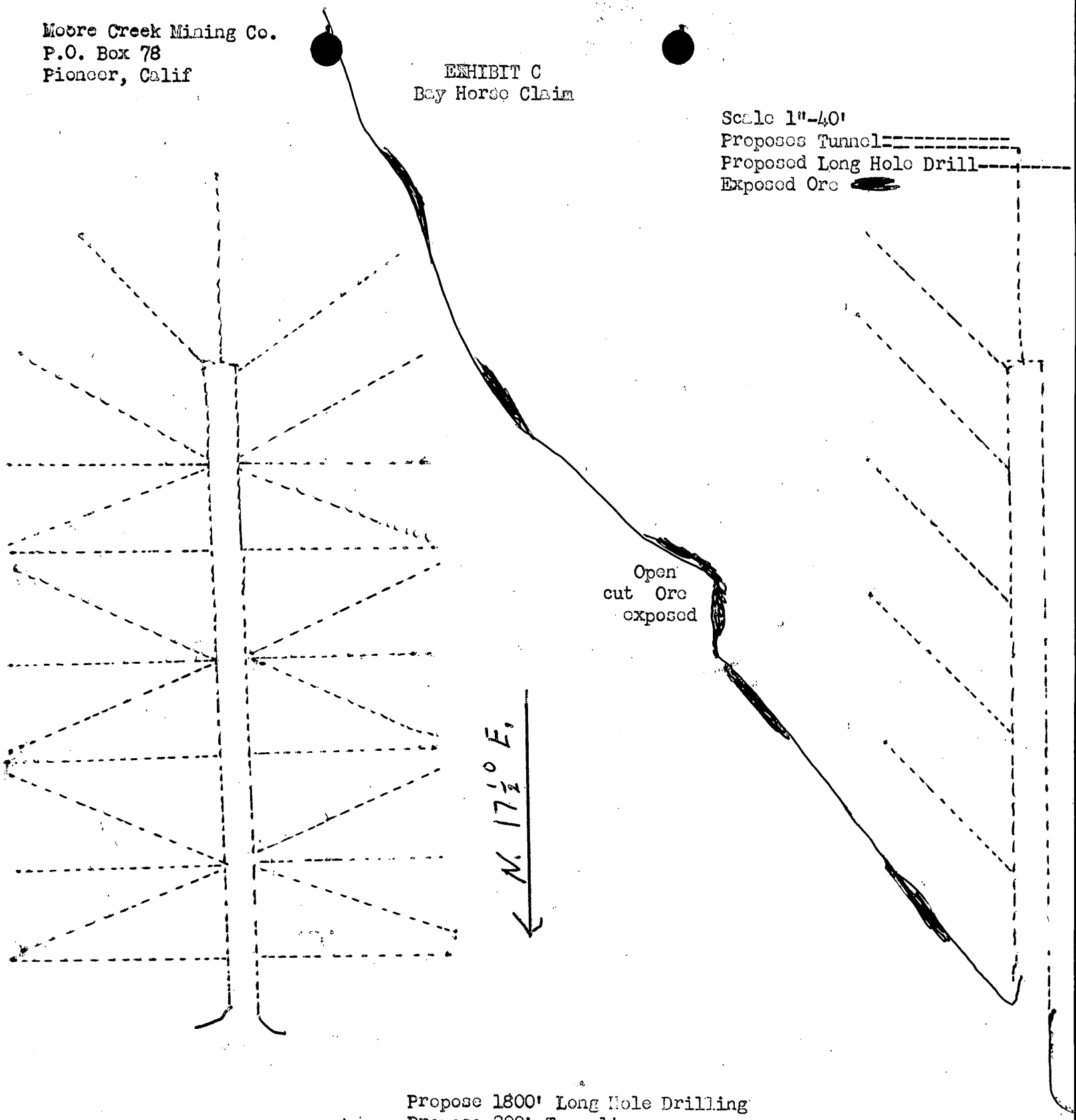
Moore Creek Mining Co.
P.O. Box 78
Pioneer, Calif

EXHIBIT C
Bay Horse Claim

Scale 1"-40'
Proposes Tunnel==========
Proposed Long Hole Drill----------
Exposed Ore



Propose 1800' Long Hole Drilling
Propose 200' Tunneling

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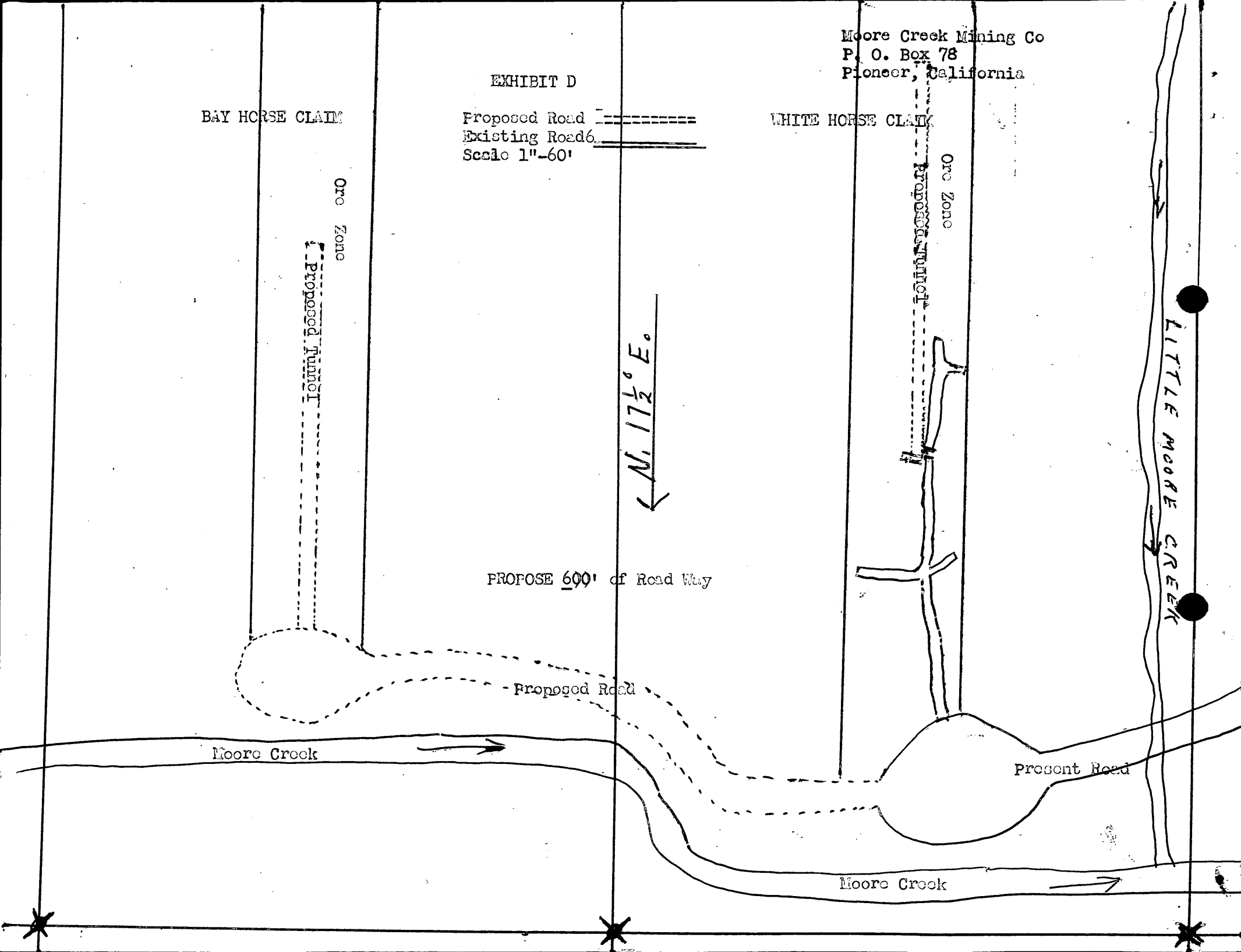
Moore Creek Mining Co
P. O. Box 78
Pioneer, California
EXHIBIT D
Proposed Road
Existing Road
Scale 1"-60'
BAY HORSE CLAIM
WHITE HORSE CLAIM
Ore Zone
Proposed Tunnel
Ore Zone
Proposed Tunnel
N. 17½° E.
PROPOSE 600' of Road Way
LITTLE MOORE CREEK
Proposed Road
Moore Creek
Present Road
Moore Creek

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DOCKET COPY

Ching
Ellis

April 28, 1958

Summary of Proposed Project

Object: Denial of application for an exploration project.

Docket No.: DMEA-4950

Commodity: Molybdenum

Applicant: Moore Creek Mining Company
P. O. Box 78
Pioneer, California

Property: White Horse and Bay Horse unpatented lode mining claims situated in sec. 7, T. 7 N., R. 16 E., M.D.B. & M., Calaveras County, California. Applicant controls the property through a Mining Lease and Option Agreement, dated July 13, 1954.

Date of Applicantion: February 17, 1958

Amount of Application: $19,416.00

Processing Data: Referred to Region II - March 13, 1958
Field examination - not required
Field Team report received - April 18, 1958

Work Proposed: White Horse claim - Extend lower tunnel 200 feet and drill 1800 feet of long holes along the tunnel.

Bay Horse claim - Drive 200 feet of tunnel and drill 1800 feet of long holes along the tunnel.

Estimated Cost:

Labor, supervision and consultants (5 mos.)	$12,176.00
Operating materials and supplies	4,540.00
Operating equipment furnished by Applicant	-
Miscellaneous	2,700.00
Estimated total cost of project	$19,416.00
Government participation @ 50%	$ 9,708.00

Field Team Report: April 14, 1958 - B. H. Sheahan, USBM
H. K. Stager, USGS

The applicant filed two previous applications to explore for tungsten on this property. The first, Docket 3362, was withdrawn, and the second, Docket 4766, was denied. Since the latter action, only about 10 feet of tunneling has been done.

Two previous examinations have been made and both included appraisals of molybdenum as well as tungsten and copper potentials. Accordingly, a report and recommendation is being made without a third examination.

The deposit consists of small molybdenum, tungsten and copper-bearing tactite lenses in diorite. Concentrations of the best material are small, marginal in grade, and erratically distributed. There is no geologic evidence that deposits of higher grade or larger size might be found. No worthwhile exploration targets exist.

The property contains a 60-foot and a 145-foot adit, about 145 feet of other underground workings, and two shallow open cuts. In the previous examinations 12 samples of mineralized exposures were taken. Contents ranged from $<$ 0.01 to 0.07% Mo, $<$ 0.01 to 0.21% WO_3, and 0.01 to 0.65% Cu. By careful mining and sorting, several hundred tons of marginal ore could be mined from one exposed deposit.

Denial of the application is recommended.

Commodity Group Comments:

U. S. Geological Survey, T. H. Kiilsgaard, April 24, 1958

Concurs with the Field Examiners' recommendation for denial.

U. S. Bureau of Mines, Horace T. Reno, April 24, 1958.

Agrees with the Field Team that another examination is not warranted and that the application should be denied.

Division of Rare and Miscellaneous Metals -
MichaelChing, April 25, 1958

The Applicant does not appear to be qualified to carry out a mining project, having spent about $160,000 (including milling equipment) without proving a minable deposit.

Conclusions and Recommendations:

The property has very limited possibilities. It is recommended that the application be denied.

Ernest Wm. Ellis

Ernest Wm. Ellis

DMEA Form 7
(12-56)

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Date	Surname	Code
4/28/58	Ching	700
4/29	Ellis	700
4/30	Selbredge	130
"	Johnson	110
"	Mittendorf	100
		220
		225
4/30	Lamb	130
4/30	Kilegaard	130

MAY 1 1958

Mr. Chester W. Decker, President
Moore Creek Mining Company
P. O. Box 78
Pioneer, California

Re: Docket No. DMEA-4950 (Molybdenum)
White Horse and Bay Horse Claims
Calaveras County, California

Dear Mr. Decker:

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

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

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

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

MChing/gla
4-28-58
cc to: Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
Mr. Ching
DMEA Field Team, Region II (2)

8623

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

April 24, 1958

Memorandum

To: E. W. Ellis, Chief, Rare and Miscellaneous Metals Division - DMEA

From: Horace T. Reno, Acting Chief, Branch of Ferrous Metals and Ferroalloys

Subject: Docket No. DMEA - 4950 (Molybdenum)
Moore Creek Mining Company
White Horse & Bay Horse Claims
Calaveras County, California

I agree with the Field Team that another examination is not warranted and that the application for exploration aid should be denied.

Horace T. Reno

Horace T. Reno

Copy to: Mr. Lamb
Ferrous Metals
Files

IN REPLY REFER TO:

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

4/25 220 700

Memorandum

April 24, 1958

To: W. S. Martin, Defense Minerals Exploration Administration

From: T. H. Kiilsgaard, U. S. Geological Survey

Subject: Review of Field Team Report, DMEA 4950, (molybdenum), Moore Creek Mining Company, Calaveras County, California.

The Field Team has prepared an office report on the cited application that is based on two previous applications received from the applicant on the same property, which were filed under docket numbers DMEA 3362 and 4766. In both of these latter applications, the Field Team recommended denial of the applicant's proposals.

The Field Team concludes that the applicant's deposit consists of small tactite lenses in diorite containing small amounts of molybdenum, tungsten, and copper minerals. These concentrations of minerals are small, of marginal grade, and erratically distributed. The cost of finding such bodies is believed to exceed the value of the metal content contained within them, and there is no geologic evidence indicating the probability of finding larger or higher grade deposits elsewhere on the property.

Field Examiners conclude that there are no targets on the property that warrant exploration. They therefore recommend denial of the application.

I concur with the Field Examiners' recommendations.

T. H. Kiilsgaard

T. H. Kiilsgaard

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

April 16, 1958

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Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4950 (Molybdenum)
Moore Creek Mining Company
White Horse and Bay Horse Claims
Calaveras County, California
(Your letter, March 13, 1958)

Enclosed are three copies of an office report based on previous field examination by B. H. Sheahan, Bureau of Mines, and H. K. Stager, Geological Survey.

Roscoe Smith and I agree that another field examination is not warranted and that the application for exploration aid should be denied.

S. Ricker

Attachments

Reviewed by
DMEA OPERATING COMMITTEE
4-23-58
(date)

CA-SITE
EXAM

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RECEIVED APR 18 1958
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UNITED STATES
DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

APPLICATION REPORT

DMEA-4950 (Molybdenum)
Moore Creek Mining Company
White Horse and Bay Horse claims
Calaveras County, California

by

B. H. Sheahan
U. S. Bureau of Mines

H. K. Stager
U. S. Geological Survey

April 14, 1958

Reviewed by
DMEA OPERATING COMMITTEE
4-23-58
(date)

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Introduction	1
Conclusions and Recommendations	2
Location, Accessibility, and Local Facilities	3
History and Production	3
Property and Ownership	5
Development	5
General Geology	6
Ore Deposits	8
Sampling	9
Ore Reserves	9

ILLUSTRATIONS

Figure 1 . . . . . Index map

2 . . . . . Geologic sketch map

3 . . Sketch map of Moore Creek tungsten prospect

INTRODUCTION

The Moore Creek Mining Company, P. O. Box 78, Pioneer, California, applied to the Defense Minerals Exploration Administration, docket DMEA-4950, for Government assistance in a $19,416.00 program to explore for molybdenum on the White Horse and Bay Horse claims, Calaveras County, California.

The applicant filed two previous applications to explore for tungsten. The first application, DMEA-3362, was for exploration on the White Horse and Bay Horse claims, but was withdrawn before action could be taken by the Operating Committee. The property was examined on July 29, 1954 and the application report recommended denial of exploration assistance. A second application, DMEA-4766 (Tungsten) was made for exploration assistance on the White Horse claim and the property was re-examined on July 25, 1957. Recommendations included denial of exploration assistance.

Inasmuch as no additional work has been done on the Bay Horse claim since the first examination and only about ten feet of new work has been done on the White Horse claim since the second examination a third examination was not warranted. Furthermore, both previous examinations included appraisals of the molybdenum content, as well as the tungsten and copper content, of the deposit.

Twelve samples of the mineralized exposures on the property were taken and analyzed for molybdenum, as well as for tungsten and copper, and are adequate to appraise the molybdenum reserves of the property.

CONCLUSIONS AND RECOMMENDATIONS

The deposit on the White Horse and Bay Horse claims consists of small molybdenum, tungsten, and copper-bearing tactite lenses in diorite. The concentrations of ore-grade material are small, of marginal grade, and erratically distributed. The cost of finding the ore bodies exceeds the value of the metal contained in them, and there is no geologic evidence upon which to base any probability of finding deposits of higher grade or larger size elsewhere on the claims.

The small, erratically distributed, pods of molybdenum-rich tactite found in the deposit are of insufficient size, and assays show that the average grade of the mineralized lenses is too low, to constitute ore. There are no targets that warrant exploration.

It is recommended therefore that exploration assistance be denied. It is further recommended that if application is made for assistance to explore for copper that this also be denied.

LOCATION, ACCESSIBILITY, AND LOCAL FACILITIES

The property is on the west slope of the Sierra Nevada at an altitude of 4,200 feet in the S-1/2 of sec. 7, T. 7 N., R. 16 E., M.D.B.&M., in the Stanislaus National Forest, Calaveras County, California (fig. 1).

To reach the mine by automobile from Jackson, California, the nearest source of labor and supplies, travel easterly 31 miles on paved State Highway 88, turn right on dirt road at Lumberyard Ranger Station and travel 6.7 miles southerly, turn left and travel 3.3 miles easterly on a Pacific Gas and Electric Company graded road, turn right on dirt road 0.5 mile to the mine which is on the south side of Moore Creek and approximately 0.5 mile south of Garnet Hill. The access road is occasionally closed by snow.

Water for domestic and mining needs is available from Moore Creek and the Mokelumne River. There is a fair stand of pine, fir, and cedar on the property. Mail is received at Pioneer, which is 26.5 miles west of the mine.

HISTORY AND PRODUCTION

Grover C. Bruce and C. N. Smith of Murphys, California, located the property in 1941. L. A. Smith of San Francisco leased the property for a short period in 1942, but very little work was

done. The Moore Creek Mining Company leased the property and applied for exploration assistance under docket DMEA-3362 early in 1954. The company withdrew the application before the Operating Committee could act on the Field Team's recommendation for denial. A second application, DMEA-4766 (Tungsten) was made in 1957 and was denied.

The Moore Creek Mining Company was incorporated in July 1954. Capital was obtained from the stockholders for development work and for the construction of a 50-tons-per-day concentrating plant.

Production from the property totaled 150 pounds of scheelite concentrates that were sold and 4,700 pounds of scheelite concentrates stored at the mill. The superintendent estimated that these concentrates averaged 50 percent WO_3 and that they were recovered from about 1,000 tons of low-grade ore. Company expenditures are said to total about $160,000.

Only a few hundred pounds of molybdenum concentrate has been produced.

PROPERTY AND OWNERSHIP

The property consists of two unpatented lode mining claims. A mining lease and option agreement, dated July 13, 1954, between Grover C. and Evelyn Bruce, the owners, and Chester W. Decker lists the White Horse quartz mining claim and the Bay Horse quartz mining claim. Both are recorded in book 19, pages 278 and 279 in the Calaveras County Courthouse at San Andreas, California. These two claims are indicated on map, figure 3, and are included in the application. The lease-option agreement is for a five-year period.

The Moore Creek Mining Company is a California corporation with main offices at 2033 Country Club Boulevard, Stockton, California. Officers of the corporation are:

Chester W. Decker, president

Alfred B. Corda, vice president

Eileen Stevens, secretary-treasurer

DEVELOPMENT

The property is developed by a 60-foot and a 145-foot adit on the White Horse claim, and a shallow open cut on the Bay Horse claim (figs. 2 and 3). Total footage of underground workings is

about 350 feet. Two shallow open cuts have been excavated and overburden has been removed along an irregular tactite zone between the portals of the two adits. All workings are accessible and the ground stands well without timber.

The following surface facilities and equipment are owned by the applicant and are in fair condition:

(Mill) 50-ton-per day gravity concentrator, 50-ton primary bin, jaw crusher (size 10 inches by 20 inches), conveyor belt and feeder, ball mill (4 feet by 4 feet), 3 concentration tables, one Diesel electric power unit (225 h.p.).

(Mine) air compressor (365 cfm.), mucking machine, 2 one-ton cars, 1 ton 16-lb. yard rail, 3 pneumatic rock drills with steel bits, 2 tractors (D-4 and D-6), two 1-1/2 ton trucks.

(Housing facilities) 6 cabins that will accommodate 12 workmen.

GENERAL GEOLOGY

The property is in an area of high relief on the west side of the Sierra Nevada. The rocks exposed in the vicinity of the mine are chiefly tactite and schist that are the remnants of a roof pendant about a mile long and 1,000 feet wide, bounded on all

sides by granitic rocks of the Sierra Nevada batholith. The mine area is at the north end of this pendant.

The granodiorite, of Cretaceous age, is chiefly light gray and medium-grained. 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, fine-grained, diorite or migmatite.

The metamorphic rocks that comprise the pendant are chiefly schist and garnet-epidote tactite. The schist is intimately mixed with dioritic material that has been injected lit-par-lit and as dikes. The tactite occurs as lenses and as thin beds near and along the west edge of the pendant (fig. 2). Some fine-grained gray limestone is exposed in the underground workings but does not crop out at the surface. Foliation and bedding in the metamorphic rocks strike north and are vertical or dip steeply west.

Numerous minor faults of random orientation and dip cut the matamorphic rocks and a prominent fault that strikes N. 55° E. and dips 75° SE. is exposed near the center of the mine area on the surface and in the underground workings where

it contains about two inches of gouge (fig. 2). No evidence of primary ore control by any of the faults is indicated in surface or underground exposures.

ORE DEPOSITS

The deposit consists of small lenses of molybdenum-, tungsten-, and copper-rich material in garnet-epidote tactite along and near the contact of metamorphic rocks and granodiorite.

The ore minerals are molybdenite, scheelite, powellite, and chalcopyrite. The gangue minerals are calcite, quartz, garnet, epidote, and pyrite. The molybdenite occurs chiefly in flakes disseminated in the tactite and rarely as masses of crystals several inches in diameter. Most of the scheelite crystals are one-eighth to one-quarter inch in diameter disseminated in the tactite, but some crystals as much as 1 inch in cross section are present. Disseminated crystals of powellite and zoned crystals of powellite and scheelite occur in and near the concentrations of molybdenite. Chalcopyrite is sparsely disseminated throughout the tactite but is most abundant in the scheelite- and molybdenite-rich zones.

The ore lenses are 1 to 10 feet wide, 10 to 40 feet long, and have been mined for 10 to 15 feet down a vertical dip. The grade, estimated from samples and mill concentrates, averages about

0.05 percent Mo, 0.2 percent WO_3, and 0.2 percent Cu. All of the production from the property has been mined from the three ore lenses exposed in the lower adit and from the open pit at the portal of the upper adit (fig. 2).

SAMPLING

The following samples represent the grade of the best molybdenite- and scheelite-bearing tactite exposed on the property. Sample locations are shown on figures 2 and 3.

Sample No.	Length, feet	Mo	WO_3	Cu	Description
1	15.0	0.01	<0.01	0.65	Upper adit, tactite at portal.
2	grab	0.03	0.11	0.35	Upper adit, grab of stockpile.
3	10.0	0.05	<0.01	0.40	Open cut, Bay Horse claim.
S-600	4.0	<0.01	<0.01	0.02	Lower adit, pod of scheelite-bearing tactite.
S-601	5.0	<0.01	0.01	0.01	
S-602	7.0	<0.01	<0.01	0.18	
S-603	6.0	<0.01	0.01	0.02	
S-604	4.0	0.07	0.17	0.34	Lower adit, pod of scheelite-bearing tactite with molybdenite.
S-605	5.0	0.03	0.01	0.03	Lower adit, tactite and schist.
S-606	3.0	0.02	0.01	0.33	Lower adit, pod of scheelite-bearing tactite
S-607	5.0	0.01	<0.01	0.03	
S-608	6.0	0.05	0.21	0.03	

ORE RESERVES

There are no measured or indicated ore reserves exposed on the claims. By careful mining and sorting several hundred tons of marginal ore (0.05 percent Mo, 0.2 percent WO_3, and 0.2 percent Cu) could be mined from the tactite body exposed in the lower adit. Several thousand tons of this grade material, concentrated in small pods and lenses throughout the tactite body on the White Horse and Bay Horse claims is inferred.

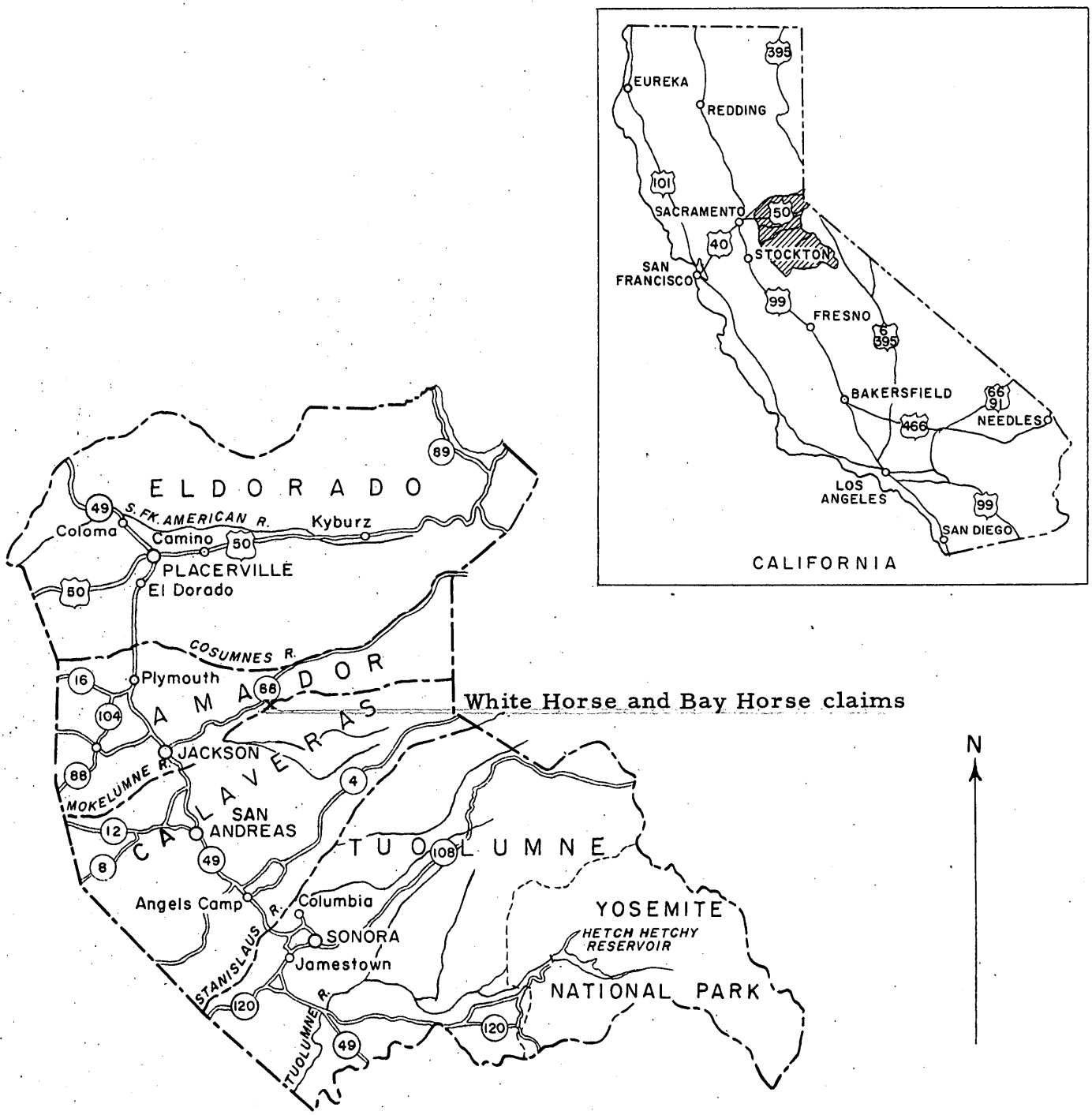

Figure 1. INDEX MAP OF ELDORADO, AMADOR, CALAVERAS, AND TUOLUMNE COUNTIES, CALIFORNIA

0 20 40 60 Miles

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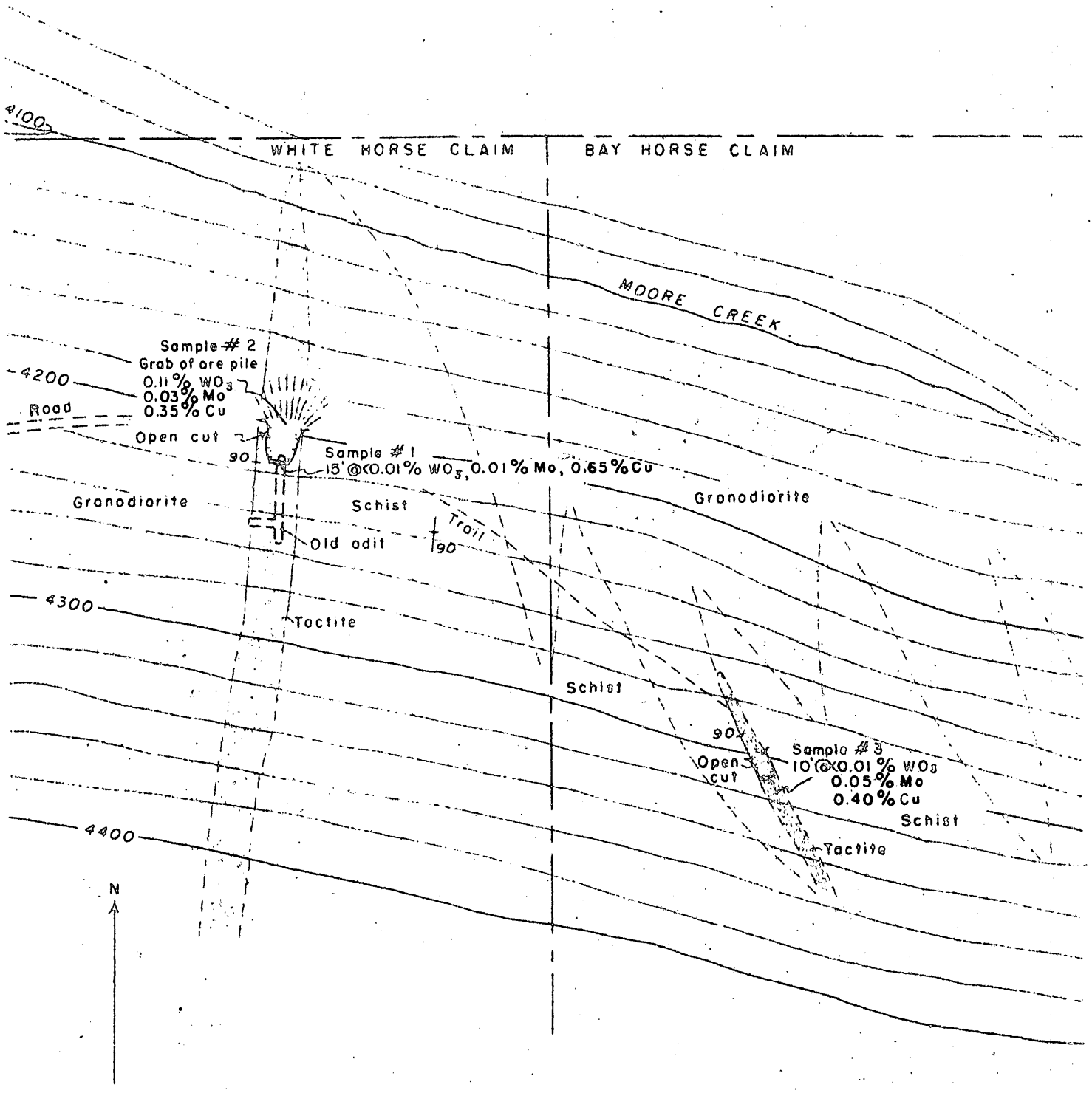

SKETCH MAP OF MOORE CREEK TUNGSTEN PROSPECT
CALAVERAS COUNTY, CALIFORNIA

100 0 100 200 FEET

Contour interval 20 feet
Datum approximate

FIGURE 3

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DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/12/58	Ching	700
"	Ellis	700
3/12	G.C. Snoddy	130
"	Johnson	110
"	[illegible]	100
		220
		700

MAR 13 1958

Mr. Spangler Ricker
Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA-4950 (Molybdenum)
Moore Creek Mining Company
White Horse and Bay Horse Claims
Calaveras County, California

Dear Mr. Ricker:

The subject application is being referred to you for investigation, a field examination if warranted, and recommendations.

Enclosed for your information are memoranda, dated March 6 and 10, 1958, by N. E. Nelson, USGS, and Wilmer McInnis, USBM, respectively, relating to the application. Also enclosed is a copy of the application for the use of the Field Team.

If a contract is recommended, the Applicant should be advised that a Consent to Lien and Subordination Agreement will be required of Grover C. Bruce and Evelyn Bruce. However, the Applicant should be advised that, while early submission of this form will expedite the processing of the application, its presentation does not imply that a contract will be approved.

Also, evidence will be required that the Mining Lease and Option was extended for five years.

Sincerely yours,

"Noted" by George C. Selfridge

Enclosures

Chairman, Operating Committee (GCS)

APPROVED:

Frank D. Lamb (FDL)
Member, Bureau of Mines

Thor H. Kiilsgaard (THK)
Member, Geological Survey

MChing/gla
3-12-58
cc to: Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
Mr. Ching

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DMEA Form 7
(12-56)

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3/12/58	Ching	700
"	Ellis	700
3/12	[illegible]	130
"	Johnson	110
"	Patterson	100
3/13	C	220
		700
3/12	Lamb	130
3/13	Vielegaard	13

MAR 13 1958

Mr. Chester W. Decker, President
Moore Creek Mining Company
P. O. Box 78
Pioneer, California

Re: Docket No. DMEA-4950 (Molybdenum)
White Horse and Bay Horse Claims
Calaveras County, California

Dear Mr. Decker:

The application for assistance in exploring your claims, under the captioned docket number, has been reviewed by the Division of Rare and Miscellaneous Metals of the Defense Minerals Exploration Administration. It has been referred to:

Mr. Spangler Ricker
Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

The Regional Office will contact you in regard to your project if additional information is required.

Sincerely yours,

[illegible] (for)

Administrator

MChing/gla
3-12-58
cc to: Admr.'s Reading File
Mr. Ching
DMEA Field Team, Region II (2)

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

March 10, 1958

Memorandum

To: E. W. Ellis, Chief, Rare and Miscellaneous Metals Division - DMEA
Through: Chief, Branch of Ferrous Metals and Ferroalloys

From: Wilmer McInnis, Commodity Specialist, Branch of Ferrous Metals and Ferroalloys

Subject: Docket No. DMEA - 4950 (Molybdenum
Moore Creek Mining Company
White Horse & Bay Horse Claims
Calaveras County, California

The applicant has applied for exploration assistance of two mining claims (White Horse and Bay Horse) in Calaveras County, California at an estimated cost of $19,416.

The applicant filed two applications (DMEA 3362 - Tungsten and DMEA 4766 - Tungsten) for exploration assistance of the White Horse Claim. The earlier application was withdrawn and the other was denied.

According to the Field Team report of August 27, 1957, concentrations of ore grade material in the White Horse Claim are small and erratically distributed. The report also stated, "The cost of finding the ore bodies exceeds the value of the metals contained in them, and there is no geologic evidence upon which to base any probability of finding deposits of higher or larger size elsewhere on the claim."

In view of these findings, I recommend that the proposed work on the White Horse Claim be denied and that the application be referred to the Field Team for their appraisal of the Bay Horse Claim.

Wilmer McInnis

Wilmer McInnis

Copy to: Mr. Lamb
Ferrous Metals
Files

IN REPLY REFER TO:

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

March 6, 1958
Re: DMEA 4950
Moore Creek Mining Co.
White Horse and Bay Horse claims
Calaveras County, California
$19,416.00 - Molybdenum

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

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

Subject: Review of application

The applicant requests assistance in prospecting, by drifting and long hole drilling, for possible pockets or lenses of molybdenite.

Apparently the property was explored, by two 'tunnels' for tungsten. No stoping appears to have been done. The applicant has no technologic information concerning the occurrence of molybdenum and gives no information concerning the manner of occurrence of the tungsten mineral, but from the long hole drilling layout, I infer the molybdenite is disseminated in the country rock of the tungsten veins. If such is the case, a few diamond drill holes would give more reliable information than the proposed long holes.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

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

March 5, 1958

Moore Creek Mining Company
P. O. Box 78
Pioneer, California

Subject: DMEA-4950

Dear Mr. Decker:

Your application for exploration assistance, dated February 17, 1958 submitted to our office at Reno, Nevada has been assigned Docket Number DMEA-4950 and referred to the Rare & Miscellaneous Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to: Region II

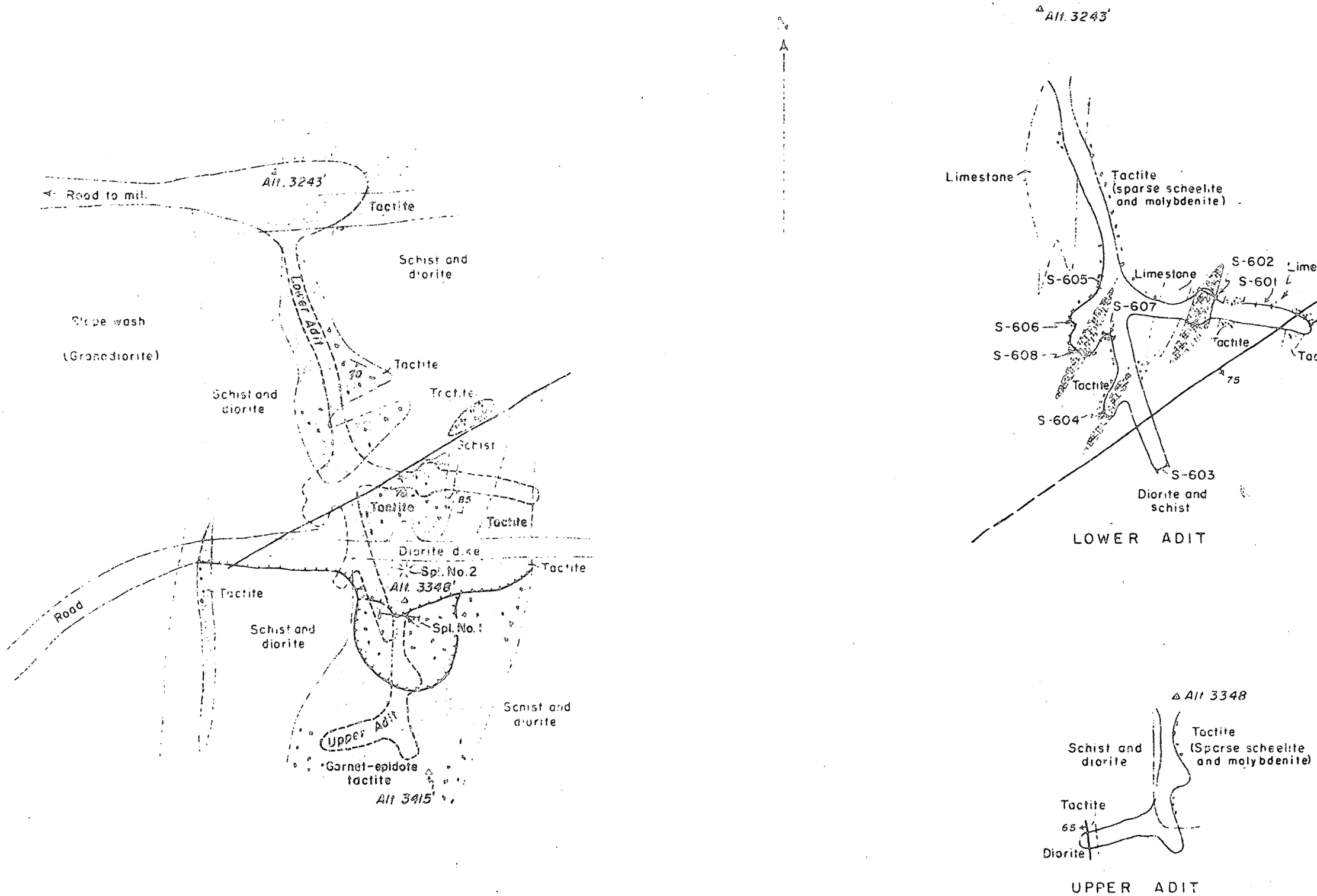

Figure 2. GEOLOGIC SKETCH MAP OF THE MOORE CREEK TUNGSTEN MINE, CALAVERAS COUNTY, CALIFORNIA

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