DMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

DMEA NO._____

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(Withdrawn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

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

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

Left Side

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

Right Side

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

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

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

Left Side

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

Right Side

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

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

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

9775

DMEA

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

1605 Evans Avenue
Reno, Nevada

RECEIVED
NOV 30 1956
D.M.E.A.

November 28, 1956

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Loan Application (Tungsten-Titanium)
H. E. Giddings
Tri-State Mines, Inc.
San Bernardino County, California

Enclosed are three copies of Application for Aid forms MF-103, relative to above subject. The fourth copy has been retained.

Neither the data as to possible value of property nor the location of proposed work is presented.

S. Ricker

Encls.

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

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1605 Evans Avenue
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S. Ricker

Encls.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED NOV 30 1956 D.M.E.A.

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

Not to be filled in by applicant

Docket No. 4558
Metal or Mineral Tungsten
Date Received 11/30/56
Estimated Cost $105,200
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: TRI-STATE MINES, INC.,
14612 Domart Ave., Norwalk, Calif.

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized. TRI-STATE MINES, INC., of California.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers. Insert 1-c

(*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 34 claims (not patented)
Recorded by the California Hercules Mines, Inc., and leased to
LeRoy Boyd & Ervin Sutterfield, now assigned to
Tri-State Mines, Inc., of California. Insert 3-a

(*b*) State any mine name by which the property is known. Yellow Dog & Montana Mines.

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

(*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. Insert 3-d

(*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. Insert 3-f

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. Insert 4-a

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

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you. Insert 4-c

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

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.
Insert 4-e

16—66551-1

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

(*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. Insert 5-b

(*c*) The work will start within 30 days and be completed within 6 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. Insert 5-d

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*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.). Insert 6-a

(*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. Insert 6-b

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel. Insert 6-c

(*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. Insert 6-d

(*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. Insert 6-e

(*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. Insert 6-f

(*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. Insert 6-g

(*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. Insert 6-h

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)? Insert 7-a

(*b*) How do you propose to furnish your share of the costs? Insert 7-b

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

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 _____, 195__

TRI-STATE MINES, Inc.,
14612 Domart Ave., Norwalk, Calif.
(Applicant)

By _____

President

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

H.E.GIDDINGS, 14612 Domart Ave., Norwalk, California.
Insert
1-c

President, Chairman of Board:
H. E. Giddings, 14612 Domart Ave.,
Norwalk, California.

~~1st~~ Vice President, General Manager:
LeRoy Boyd, 2712 West Olive St.,
Fullerton, California.

~~2nd Vice President~~, Secretary-Treasurer:
Don C. Gokenbach, 1304 Park Avenue,
Balboa Island, California.

RECEIVED
NOV 30 1956
D.M.E.A.

Insert
3-a

Listed claims as itemized on Insert 3-f, situated in Sec. 30, 31 & 32, Township 2 North, Range 6 West, and Sec. 36, Town. 2, North, Range 7 West, S.B.B.M.

Insert
3-f

Listed- 34 claims as of record (Unpatented)
San Bernardino County, California.

Book #167 Claim	Page	Book #167 Claim	Page	Book #177 Claim	Page
Yel.Dog #	328	Yel.Dog #12	341	Yel.Dog #24	17
" " # 1	328	" " 13	342	" " 25	16
" " 2	329	" " 14	343	" " 26	15
" " 3	330	" " 15	344	" " 27	14
" " 4	331	" " 16	345	" " 28	13
" " 5	332	" " 17	346	" " 29	13
" " 6	333	" " 19	347	" " 30	13
" " 7	334	" " 20	347	" " 31	12
" " 8	335	" " 21	348		
" " 9	336	" " 22	349	Book #206	
" " 10	337	" " 23	350	Yel.Dog #32	99
" " 11	340	" " 18	86	Montana	112

H.E.GIDDINGS, 14612 Somart Ave., Norwalk, Calif.
Insert
3-d

ASSIGNMENT OF LEASE

FOR VALUE RECEIVED, we, HOMER E. GIDDINGS of Norwalk, Calif., and LeROY BOYD of Fullerton, Calif., do hereby sell, transfer, assign and set over to TRI-STATE MINES, INC., a corporation organized and existing under the laws of the State of California, its successors and assigns, all of our right, title and interest in and to that certain mining lease dated the 24th day of June, 1955, by and between CALIFORNIA HERCULES MINING COMPANY, a California corporation, Lessors, and LeROY BOYD and ERVIN SUTTERFIELD, Lessees, which lease applies to the following mining claims which are recorded in the San Bernardino County Records as follows:

Book #167		Book #167		Book #177	
Claim	Page	Claim	Page	Claim	Page
Yel.Dog	328	Yel.Dog #12	341	Yel.Dog #24	17
" " #1	328	" " 13	342	" " 25	16
" " 2	329	" " 14	343	" " 26	15
" " 3	330	" " 15	344	" " 27	14
" " 4	331	" " 16	345	" " 28	13
" " 5	332	" " 17	346	" " 29	13
" " 6	333	" " 19	347	" " 30	13
" " 7	334	" " 20	347	" " 31	12
" " 8	335	" " 21	348		
" " 9	336	" " 22	349	Book #206	
" " 10	337	" " 23	350	Yel.Dog #32	99
" " 11	340	" " 18	86	Montana	112

INCLUDING all rights of action or otherwise to it accrued or hereafter to accrue thereunder and hereby authorize TRI-STATE MINES, INC., in its own name to sue for and take all legal steps it may deem proper or necessary in connection therewith.

IN WITNESS WHEREOF, we have hereunto set our hand this

16 day of November, 1956.

Signed Homer E. Giddings

LeRoy Boyd

14612

H.E.GI[illegible]NGS, ##### Domart Ave., N[illegible]walk, Calif.

Insert 3-d

COPY

State form- PA-266 2M 11-55

Recorded
June 29 11:13 AM 1956
Book 390 Page 531
Mining Records
San Bernardino County, Cal.
Ted Carpenter, Recorder.

PROOF OF LABOR

STATE OF CALIFORNIA)
COUNTY OF SAN BERNARDINO) ss

BEFORE ME, The subscriber, personally appeared M.H.Theo.Karcher, who being duly sworn, says that at least One Hundred Dollars worth of #### labor and improvements performed or made upon each of the following claims (or total of $12,000 to 15,000 Dollars) The Yellow Dog Group of Mining Claims, known as Yellow Dog, Yellow Dog Nos. 1 to 32 inclusive; Montana and Five Acre Mill Site numbering 34 claims in all, all in T2N, of R6W, S.B.B.M. Sec. 30,31,32 & 36 situated in South Fork of Lytle Creek. Work consisting of reopening of road & trails, building 3½ miles of road work, ½ mile of which is on the property itself. Considerable mining and development work has been done, a mill has been installed and put in operation. It is estimated at from $12,000 to $15,000 work has been expended on said property during past year.

The above amount of money expended is sufficient to cover Assessment work for the years 1952, 1953, 1954, 1955, 1956 for the following claims not previously reported under proof of labor: Yellow Dog Nos. 7,8,9,11, 12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31, which is hereby applied thereto.

The above work has been done by present leaseholders, LeRoy Boyd and Ervin Sutterfield of Buena Park, California.

Situated in vicinity of/or South Fork of Lytle Creek Mining Dist., SanBernardino County, State of California, during the period from Back assessment work from July 1952, Current assessment work 7/1 1955 to July 1, 1956, Such expenditures was made by or at the expense of LeRoy Boyd and Ervin Sutterfield of Buena Park, Calif., Lessees of said claims, for the purpose of holding said claims for California Hercules Mining Company.

Signed- M. H. Theo. Karcher.

Subscribed and sworn to before me this 29th day of June, 1956

Notary Public.

H.E.GIDDINGS, 14612 Domart Ave., Norwalk, Calif.
Insert
4-a

The property has been explored to the valuemof several hundred thousand dollars. There has been over 4 miles of road up the canyon from the paved road junction at Bonita Lake Resort, which is 15 miles North of Fontana, Calif.

As a foreword, it is evident that, although a large amount of money has been spent and much good work has been accomplished, supervision and consistent purpose has been absent.

Past mining has only been exploratory and in one period an undetermined amount stockpiled, which was washed away by a cloudburst before opportunity to market.

Many veins were opened years ago from time to time by different people but from limited capital lack of accessability made production and shipping impossible and further exploration difficult.

One mine is workable at the present time, known as the Lady Bug. A millsite is partly improved and we have part of a mill and process machinery installed. Further equipment is required as itemized elsewhere.

We have contracted to purchase the equipment left by others that is usable. The TRI-STATE MINES, Inc., has just been formed and has the leases on the 34 claims, leased from The California Hercules Mines, Inc., The Proof of Labor, copy attached, gives the date of qualification and redemption of the block of 34 claims.

The Pardue location has been blocked out but the timbering has collapsed and the tunnels are caved in. The shaft is still 50 feet deep and although two tunnels are closed by slides, the upper tunnel is open for 50 ft. to the first cave-in and the cross tunnel is open to the shaft.

4-b

There is no operation at present, but we have a usable road to the millsite and a good trail to the working tunnel but from there to the Pardue is a very rugged trail.

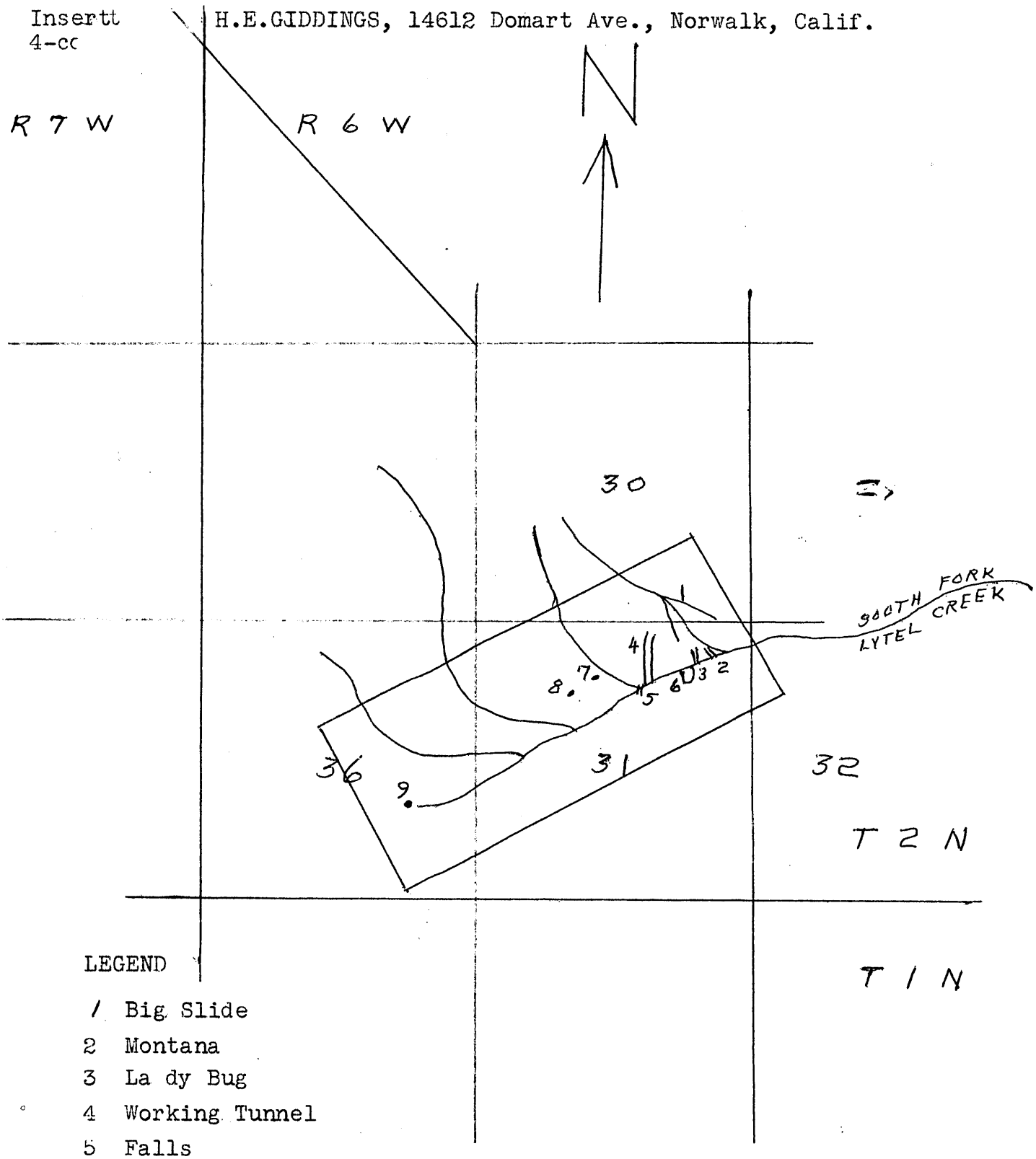
Past the Montana site to the Big Slide (Approx. 300 yds.) is rocky gulch. The Working Tunnel was run in 700 ft. but needs new timbering. There are,other Zinc, Lead and Tungsten deposits that have been lost under slides that we propose to find and to develop the Hatton, Pardue, Working Tunnel, Lady Bug, Montana and the Big Slide besides the new exploratory possibilities.

4-d

As has been stated elsewhere, a fair mine road is accessable to the millsite. From the mouth of the canyon, at the Bonita Lake Junction, it is about 8 miles to a rail shipping dock, and 75 miles to the center of Los Angeles. It is about 30 miles to San Bernardino.

Insertt
4-cc

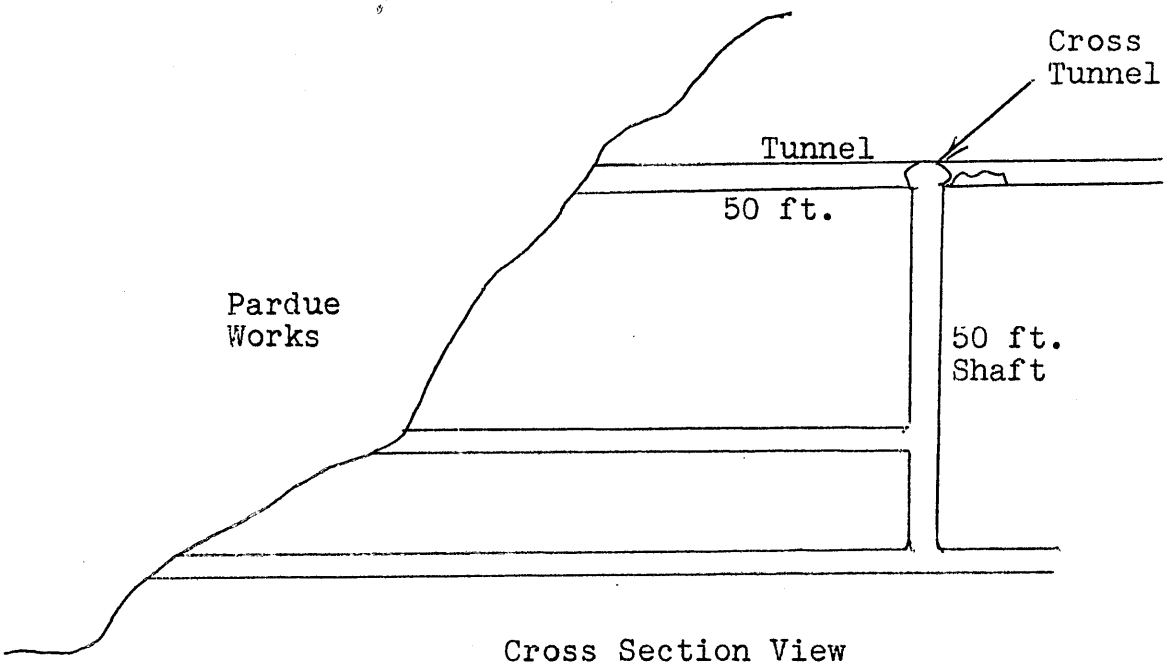
H.E.GIDDINGS, 14612 Domart Ave., Norwalk, Calif.



LEGEND

1 Big Slide
2 Montana
3 La dy Bug
4 Working Tunnel
5 Falls
6 Millsite
7 Pardue
8 Hatton
9 Big Tree Monumentt

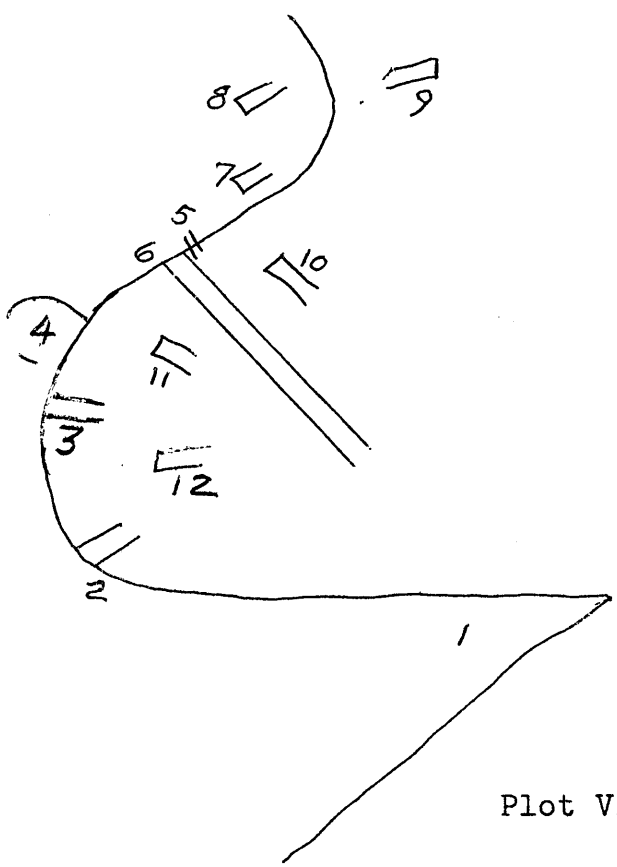
H.E.GIDDINGS, 14612 Domart Ave., Norwalk, California.
Insert
5-b



Cross Section View

LEGEND

1 Big Slide
2 Montana
3 Lady Bug
4 Millsite
5 Falls
6 Work Tunnel
7 Pardue
8 Hatton
9 Lost Deposit
10 Lost Deposit
11 Lost Deposit
12 Lost Deposit



Plot View

H.E.GIDDINGS, 14612 Domart Ave., Norwalk, Calif.
Insert
~~###~~
4-e

Portable electric power will be used. Some water power is available. Manpower is amply available. Materials, supplies and equipment are available in Los Angeles, Calif., 65 miles distant.

5-a

Exploration will be for Tungsten and Titanium.

5-b

The proposed work includes the development of the Big Slide, the Working Tunnel, the Pardue, the Hatton and the Lost Deposits. Contacts, veins and ore-bearing beds are designated on past reports in the Pardue, Hatton and Working Tunnel. (See sketch 5-b.)

5-d

A licensed and experienced Mining Engineer will be in charge and my experience for 15 years with mining and development will be used to the best advantage for the benefit of this development.

6-a

It is not proposed to let any contracts. With the Mining Engineer, I will supervise all operations.

6-b

There will be three classes of labor-

4	Common labor	2/hr	10,000	
4	Special laber	2.5/hr	12,500	
2	Mechanics	3/hr	7,500	
	Labor for project			30,000

Special services-

2	Foremen	150/wk	7,800	
1	Engineer	100/wk	2,600	10,400

6-c

Required material-

Equipment less than 50,	
Shovels, picks & hand tools	500
Power-	
Portable Generator	5,000
Motors & wiring	500
Water-	
Storage tank	500
Pipe	250
Fuel-	
Storage tank	500
Pipe	250
Transport tank	250
Fuel	2,500
	50,650

H.E.GIDDINGS, 14612 Domart Ave., Norwalk, Calif.
Insert

RECEIVED NOV 30 1956 D.M.E.A.

6-d

Itemized equipment-		
Purchase-	Fwd.	50,650
Items in 6-c		
Trucks, track & ore-cars		10,000
Furnish-		
Portable generator (small)		1,200
Trucks (small)		2,600

6-e

Detail cost of rehabilitation & repairs-	
Movable equipment-	
Trucks	250
Generator	250

6-f

Detail cost of additional	
Buildings	
Tool house	500
Equipment house	1,000
Bunkhouse, Mess & Galley	2,000
Furnishing for above	1,000
Fixed improvements-	
Suspended transit to Pardue	3,000
Suspended transit to Big Slide	5,000
Track & cars for outside transit	6,000

6-g

Detail cost of	
Repairs to operating equipment	
Operating maintenance, (traction)	2,500
Operating maintenance, (stationary)	1,500
Analytical work-	
Assays	250
Installation surveys	1,000
Accounting-	
Audit	1,000
Workmen's Compensation-	
Insurance	1,000
Lost labor	2,000
Employer's Liability	
Insurance	1,500
Payroll taxes	1,000

6-h

Allowance for contingencies-	
Insurance, shutdowns, caveins, weather, washouts and elements beyond human control	10,000
	104,600

H.E.GIDDINGS, 14612 Domart Ave., Norwalk, Calif.
Insert
7-a
Yes, we are prepared to pay our share of the proposed project.

7-b
From company funds, services & equipment use.

Cash	10,000
Services	4,500
Equipment use	8,750

THE EISENHAUER LABORATORIES
316-322 South San Pedro Street
Los Angeles 13, California

ASSAY CERTIFICATE

PHONE VANDIKE 9328

Los Angeles, Calif. Oct. 25/56 19

I hereby Certify that the samples described below, received from

Giddings & Stuler assay as follows:

Owner's Mark and Sample	GOLD		SILVER		TOTAL VALUE PER TON	PERCENTAGE OF		
	OZS. PER TON	VALUE PER TON	OZS. PER TON	VALUE PER TON		COPPER	LEAD	ZINC
#2	.02	$ .70	3.82	$ 3.54	$ 9.50		1.8	5.5
	Tungstic Oxide (WO_3)			.41%				
	Iron (Fe)			9.27%				

GOLD @$ PER OZ.
SILVER @ $ .35 PER OZ.
LEAD @ ~~16~~ .20 c.
COPPER @ c.

CHARGES

ASSAYER

Established 1916

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/10	Chapman	400
4/10	Martin	400
4/12	Selbridge	130
"	Lamb	110
"	Mittendorf	100
4/15	C	220
		225

APR 12 1957

Mr. H. E. Giddings
Tri-State Mines, Inc.
14612 Domart Avenue
Norwalk, California

Re: Docket No. DMEA 4558 - Tungsten
Yellow Dog claims
San Bernardino County, California

Kilsgaard
Lamb

Dear Mr. Giddings:

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

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding material 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 the occurrence of tungsten mineralization on your property, indicates to us that the probability of disclosing significant ore reserves is not sufficiently promising to justify Government participation. Under these conditions we regret to advise you that your application is denied.

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

Sincerely yours,

G. O. Mittendorf
(by esf)
Administrator

TLChapman:am 4-11-57
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT REG II
Messrs. R. Holliday, USBM
T. Kiilsgaard, USGS

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/11	Chapman	400
4/11	Martin	400
		130
		110
		100

April 11, 1957

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of the Subject Application for Exploration Assistance in the Amount of $105,200.00
Docket No. DMEA 4558 - Tungsten
Tri-State Mines, Inc.
Yellow Dog claims
San Bernardino County, California

Denial of the subject application is recommended by this Division based on the following information:

The applicant, Tri-State Mines, Inc., requested exploration assistance in the amount of $105,200.00 on November 27, 1956, for rehabilitation, tunnels, drifts, raises and shafts. A field examination of the property was made on January 11, 1957, by E. G. Reeves, Geological Survey and J. D. Warne, Bureau of Mines, accompanied by three of the applicants.

Applicant: Tri-State Mines, Inc., H. E. Giddings, President
14612 Domart Avenue
Norwalk, California

Property Ownership: The property consists of 34 lode mining claims, unpatented, owned and recorded by the California Hercules Mines, Inc., and leased to LeRoy Boyd and Ervin Sutterfield. The lease has been assigned to the Tri-States Mines, Inc.

The claims are located in sections 30, 31 and 32, T. 2, N., R. 6, W. and section 36, T. 2, N., R. 7. W., S.B.B.M. and are recorded at the County Court House, in San Bernardino, California. The claims consist of the Yellow Dog, Yellow Dog No. 1 to 23 inclusive, recorded in Book 167, Pages 328-337, 340-350 and 86 (Yellow Dog No. 18); Yellow Dog No. 32, and Montana, recorded in Book 206, Pages 99 and 112, respectively; and Yellow Dog Nos. 24 through 31 recorded in Book 177, Pages 12 - 17.

Geology: The claims are located in the San Gabriel Mountains which are composed of a thick series of sedimentary and volcanic rocks that have been cut by granitic bodies and metamorphosed to quartz biotite schist, marble and quartzite. Near the granitic bodies the metamorphosed bodies have been converted to gneiss. The area has been cut by the San Andreas, San Jacinto, and Irvingdale faults. The Yellow Dog workings are about 2 miles southwest of the Irvingdale fault.

8623

Geology: (Cont'd)

Ore occurrences are along veins and faults cutting the quartz biotite schist and gneiss. Mineralization consists of silver-lead-zinc and some scheelite.

Development: The lowest and most easterly workings known as the Montana consists of an adit about 100 feet in length and a small stoped area. The ore found was silver-lead-zinc and a small pod of scheelite was noted.

The "Working" tunnel is about 1,500 feet southwest of the Montana workings and is reported to be 740 feet long and to have cut a low grade silver-lead-zinc ore. The tunnel was caved at portal.

The Perdue workings are about a mile west of the Montana workings and consist of a 95 foot adit, an intermediate level and a lower level; a 50 foot raise connects the lower and upper level. A 2 foot vein is explored by these workings and shows low grade lead-copper-zinc ore. A small pod of scheelite was cut in the raise.

Sampling: The following samples were taken and assayed as follows:

Sample No.	Percent WO_3	Percent Pb.	Ozs/ton Au.	Ozs/ton Ag.	Description
1	0.19	1.1	Tr.	0.20	1.5 ft. of mineralization in the Montana adit.
2	0.97	0.1	Tr.	1.60	Specimen sample in winze in the upper Perdue adit.
3	0.78	25.2	0.01	19.35	Grab sample 200 lbs. of concentrate from ore mined on Montana claim.
4	0.25	7.7	Tr.	3.50	Grab sample of sorted ore, mined from adit on Montana claim.

The property contains no measured or indicated tungsten ore and only a few tons of inferred ore on the Montana claim. The Perdue workings contain about one ton of 1.0 percent WO_3.

Proposed Work: The applicant requests about 3,180 feet of drifting, raises and shafts to further explore and develop the present workings.

Comments and Conclusions: The Field Team believes that the property has been sufficiently explored and that further work will add nothing in the way of minable ore. There are no indications that even a small program would be justified. Denial of the application is recommended. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in the conclusions and recommendations of the Field Team.

W. S. Martin, Chief
Iron and Ferro-Alloys Division

TLChapman:am 4-11-57
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.

OFFICIAL FILE COPY
DMEA
RECEIVED APR 8 1957

DATE	INITIALS	CODE
4/9	C	220
4/10	WSM	400

April 8, 1957

4558

Tungsten
Tri-State Mines, Inc.
Yellow Dog Claims
San Bernardino Co. Calif.

W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Chief, Br. of Ferrous Metals & Ferroalloys
R. W. Holliday, Commodity Specialist, Branch of Ferrous Metals & Ferroalloys

Application Report

3/8/57 3/26/57

x

x

x

x

x

I concur in the Field Team recommendation that the application for DMEA assistance be denied.

R. W. Holliday
R. W. Holliday

IN REPLY REFER TO:

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

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 21 1957

DATE	INITIALS	CODE
3/21	C	220
		400

March 20, 1957

Re: DMEA 4558
Tri-State Mines, Inc.
Yellow Dog and Montana Mines
San Bernardino Co., Calif.
$105,200 - Tungsten, Titanium

Memorandum

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

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

Subject: Review of Field Team Report.

The applicant requested assistance in the partial re equipment and rehabilitation of old mines and the development of tungsten deposits on which much work has been done.

The examiners saw no place where ore grade tungsten-bearing material is exposed and no titanium mineral. The ill-defined work program, essentially development work would, in the opinion of the examiners, merely expand the underground workings of the old mines, workings, which adequately explore the small scattered showings.

The examiners and the Field Team recommend that the application be denied. I concur with the recommendation.

N. E. Nelson

N. E. Nelson

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

March 12, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 14 1957

DATE	INITIALS	CODE
3/14	C	220
		130
3/18	C	220
3/19	WSM	400

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4558 (Tungsten)
Tri-State Mines, Inc.
Yellow Dog Claims
San Bernardino County, California
(Your letter, December 19, 1956)

Enclosed are four copies of a report by J. D. Warne, Bureau of Mines, and R. G. Reeves, Geological Survey, on subject property.

Roscoe Smith and I concur in the recommendation that the application for DMEA exploration be denied.

S. Ricker

Encls.

Reviewed by
DMEA OPERATING COMMITTEE
3-18-57
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

OFFICIAL FILE COPY
D M E A
RECEIVED MAR 14 1957

DATE	INITIALS	CODE
		130
		220
3/19	WSM	400

APPLICATION REPORT

DMEA-4558 (Tungsten)
Tri-State Mines, Inc.
Montana and Yellow Dog claims
San Bernardino County, California

by

J. D. Warne
U. S. Bureau of Mines

R. G. Reeves
U. S. Geological Survey

March 8, 1957

Reviewed by
DMEA OPERATING COMMITTEE
3-18-57
(date)

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Geology and Ore Deposits	3
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ILLUSTRATIONS

Figure 1	Index map
2	Underground map

SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

The application, dated November 27, 1956, by Tri-State Mines, Inc., requested Government assistance in a $105,200 program, docket DMEA-4558, to explore for tungsten and titanium on the Montana and Yellow Dog group of claims, San Bernardino County, California. An examination was made on January 11, 1957 by R. G. Reeves, U. S. Geological Survey, and J. D. Warne, U. S. Bureau of Mines, accompanied by H. E. Giddings, D. C. Gokenbach, and Rudy Stuler for the applicants.

A scheelite and lead-silver mineralized zone was sampled in accessible underground workings of the Montana and Perdue mines. No titaniferous minerals were observed.

The deposit has apparently been adequately explored by adits at various levels between the "Working Tunnel" at about 4,600 feet, and the Perdue workings at approximately 6,000 feet above sea level. The scanty amounts of tungsten, lead, and silver indicate that the deposit contains only a very small amount of ore; not nearly enough to justify even a small program. The work proposed by the applicant would be further exploration and development of a previously explored area, without a definite new exploration target or sound geological reason for the project.

Furthermore, the applicant's ability to properly conduct an exploration project is questionable. For these reasons, it is recommended that Government assistance under the DMEA program be denied.

HISTORY, DEVELOPMENT, AND PRODUCTION

No historical or past production records are available in connection with this property. However, the applicants claim to have mined about 40 tons of lead, silver, tungsten ore from a short adit on the Montana claim during 1955-56. As only slight mineralization is exposed, and access to the claims is extemely difficult, it is evident that no previous production of ore was made. The applicants obtained a few hundred pounds of concentrates from ore mined but this was not shipped.

Development on the Montana claim consists of the southwest 70-foot adit where the applicants mined the 40 tons of ore, and pits named the Lady Bug, Big Slide, and Hatton prospects, which are now inaccessible. Underground development on the Yellow Dog group of claims consists of the lower 740-foot Working Tunnel, and the Perdue Mine workings consisting of three short adits with several drifts, crosscuts, and raises which are now only partially accessible. Figure 2 shows the main underground workings on the property.

LOCATION, PROPERTY, AND OWNERSHIP

The claims are located on the south fork of Lytle Creek, in the San Gabriel Mountains, about 11 miles northwest of Fontana, in secs. 30, 31, 32, and 36, T. 2 N., R. 6 W., San Bernardino County, California.

The property consists of the Montana claim, Yellow Dog claims Nos. 1-32 inclusive, and a five-acre mill site, a total of 34 unpatented claims, owned by California Hercules Mining Company, controlled by Theo Karcher of Arcadia, California, and held under an assigned lease by Tri-State Mines, Inc., 14612 Domart Avenue, Norwalk, California.

GEOLOGY AND ORE DEPOSITS

The Yellow Dog claims are in an area of high relief at the head of the south fork of Lytle Creek. Here, the San Gabriel Mountains are composed of a thick series of sedimentary and volcanic (?) rocks that have been cut by granitic bodies and metamorphosed to the Pelona quartz biotite schist, to marble, and to quartzite. Near the granitic bodies the metamorphic rocks have been converted to gneiss. The general geology of the Lytle Creek area is described by Arnett[1/].

1/ Arnett, G. R., 1949, Geology of the Lytle Creek area, California: The Compass (of Sigma Gamma Epsilon), v. 26, no. 4, pp. 294-304.

Most of the mine area is underlain by Pelona schist, correlated by Noble with the Rand schist of Precambrian age (Arnett, 1949). The Pelona schist exposed at the mine is composed of about 80 percent quartz, about 20 percent biotite, and contains accessory garnet, magnetite, and zircon. The formation strikes northwest and dips from 40° to 60° NE. Planes of schistosity are generally almost parallel to bedding; locally, however, angles of as much as 15 degrees between bedding and schistosity were observed. The schist has been converted to gneiss adjacent to granitic bodies in the vicinities of the Perdue and Montana workings.

Overlying the Penona schist with apparent conformity are marble and quartzite. These are exposed along the trail leading to the Perdue workings and above the Perdue workings.

The San Andreas, San Jacinto, and Irvingdale faults cut northwesterly through the Lytle Creek area. The Yellow Dog workings are about 2 miles southwest of the Irvingdale fault, the southwesternmost of the three faults.

Lead-zinc-silver ore bodies occur along faults cutting, and as veins in, the quartz-biotite schist and gneiss. A northwesterly-trending fault system, parallel to the major faults, is reported to extend from the Montana workings to the "Big Slide" area, about 2,000 feet. This has not been explored.

Montana workings. The lowest and easternmost workings are the Montana. Here, a small lead-zinc-silver ore body trends S 30° W and dips 55° to 70° NW (fig. 2). The ore, mainly oxidized lead, zinc, and some copper minerals and some argentiferous galena, occurs in a 1- to 3-foot wide fault zone and along fractures in the footwall of the fault. A pod of scheelite-bearing material that assayed 0.19 percent WO_3 was cut in a south-trending flat raise.

"Working tunnel". The "Working tunnel" is about 1,500 feet southwest of the Montana workings. This adit is reported to be 740 feet long, and to cut low-grade lead-zinc-silver ore bearing rock. The portal was caved at the time of the examination, and entry could not be gained.

Perdue workings. A 2-foot vein that contains copper, lead, and zinc oxide minerals is explored by the Perdue workings, about a mile west of the Montana workings. The vein trends S 10° E and dips 60° W. A very small pod of scheelite was cut in the raise between the intermediate and upper workings (fig. 2), along a north-trending, east-dipping fault.

No titanium was found, and the applicants know of none. A specimen carried down from "somewhere near the mine" by a visitor was identified by an amateur mineralogist as "titanium".

SAMPLING

Four samples were taken during the examination; however, only Sample No. 1 (fig. 2) is considered indicative of the grade or type of mineralization of the deposit. The lead-silver minerals appeared to predominate over the slight amount of scheelite exposed in the deposit; therefore, analyses of each sample were made for Au, Ag, Pb, and WO_3 as follows:

Sample No.	Percent		Ozs./ton		Description
	WO_3	Pb	Au	Ag	
1	0.19	1.1	Trace	0.20	Chip sample across 1.5 ft. of mineralization in the Montana.
2	0.97	0.1	Trace	1.60	Specimen sample of a small scheelite occurrence in a winze below the upper Perdue adit.
3	0.78	25.2	0.01	19.35	Grab sample of about 200 lbs. of concentrates derived from ore mined adit on Montana claim.
4	0.25	7.7	Trace	3.50	Grab sample of sorted ore, or mill heads, mined from adit on Montana claim.

ORE RESERVES

The property contains no measured or indicated tungsten ore, and only a few tons of marginal ore containing about 0.2 percent WO_3 is inferred at the Montana workings. The Perdue workings contain an inferred ton of 1.0 percent ore.

EXPLORATION

The application includes merely further work to expand the underground workings or development of various prospects on the property. A total of 3,180 feet of tunnels, drifts, raises and shafts is requested; however their locations and objectives are only vaguely described. The applicants do not differentiate between development and exploration work; and they have had little or no previous mining experience.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA-4558
(Tungsten)

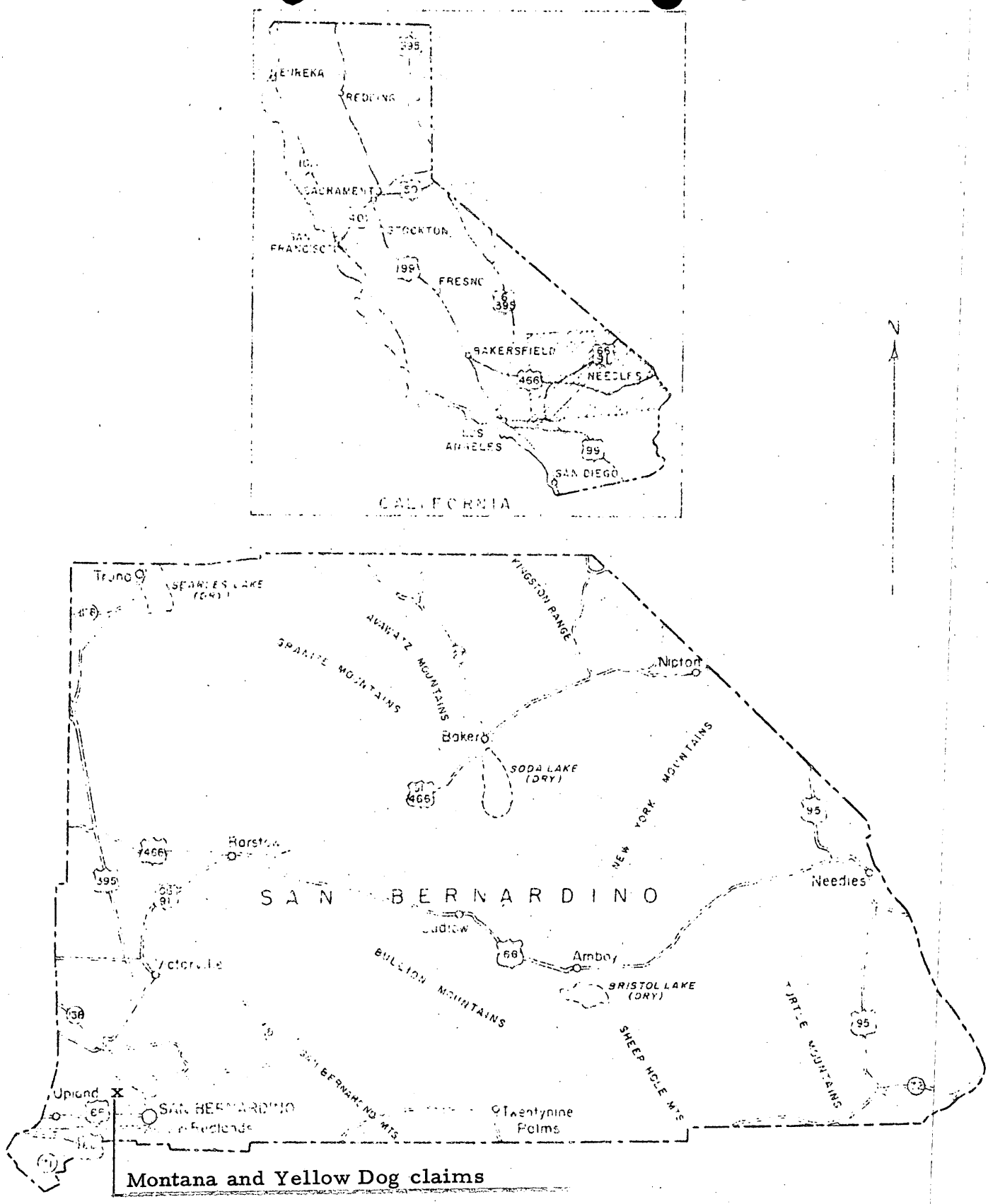
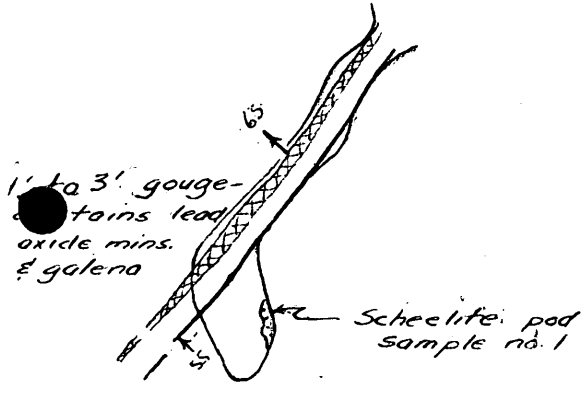


Figure 1. INDEX MAP OF SAN BERNARDINO COUNTY, CALIFORNIA

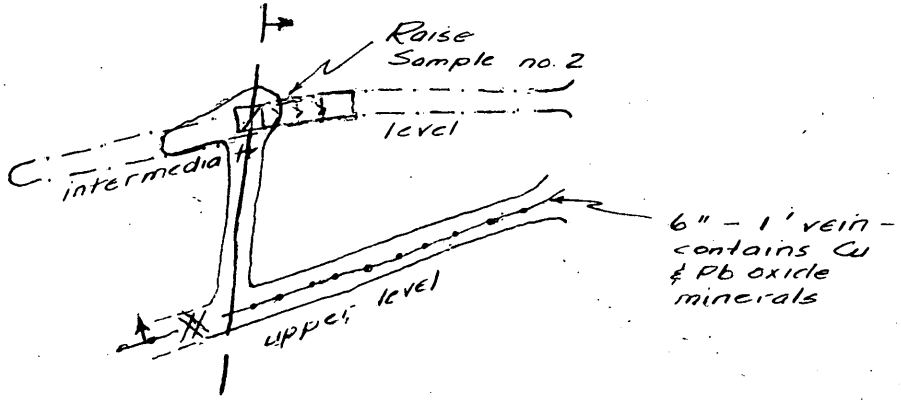
0 30 60 90 Miles

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

DMEA 4558
(TUNGSTEN-
TITANIUM)



MONTANA WORKINGS



PERDUE WORKINGS

0 40 80 120 feet

YELLOW DOG CLAIMS, TRI-STATES MINES, INC.
SAN BERNARDINO CO., CALIFORNIA

Fig. 2

400
DOCKET
SURNAME
Holt
Martin
Lamb
Nelson
Selfridge

DEC 19 1956

Mr. H. E. Siddings
Tri-State Mines, Inc.
14612 Domart Avenue
Norwalk, California

Re: Docket No. DMEA 4558 - Tungsten
Yellow Dog claims
San Bernardino County, California

Dear Mr. Siddings:

The above-docketed application for exploration assistance for tungsten ores has been reviewed by the Iron and Ferro-Alloys Division of the Defense Minerals Exploration Administration and referred to Mr. Spencer Hicker, Executive Officer, DMEA Field Team, Region II, 1605 Evans Avenue, Reno, Nevada, for a field examination of the property.

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

SPHolt:am 12-13-56
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT. REF. II
Messrs. R. Holliday, USBM
T. H. Kiilsgaard, USGS

400
DOCKET
SURNAME
Holt
Martin
Selfridge
Mitchell

DEC 19 1956

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

Re: Docket No. DMEA 4558 - Tungsten
Tri-State Mines, Inc.
Yellow Dog claims
San Bernardino County, California

Dear Mr. Hicker:

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

Copies of memoranda dated December 7 and December 10, 1956, by N. E. Nelson, Geological Survey, and R. W. Holliday, Bureau of Mines, respectively, relating to the application, are enclosed. Also enclosed is an extra copy of the application for use of the Field Team.

It should be noted that the applicant requested exploration assistance for titanium as well as tungsten. In making your investigation a determination should be made as to whether the titanium, if present in significant amount, is in the form of rutile, brookite, ilmenite, or other mineral or minerals.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GCS)

Enclosures

SPHolt:am 12-13-56
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT. REG. II
Messrs. R. Holliday, USBM
T. H. Kiilsgaard, USGS

APPROVED:

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

N. E. Nelson (NEN)
Member, Geological Survey

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

RECEIVED DEC 12 1956 D.M.E.A.

Date December 10, 1956

DMEA Docket No. 4558
DMEA Contract No.
Commodity Tungsten
Name of applicant Tri-State Mines, Inc.
Name of property Yellow Dog and Montana Mines
Location of property
Estimated cost of project $105,200

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Chief, Branch of Ferrous Metals & Ferroalloys

From: R. W. Holliday, Commodity Specialist, Branch of Ferrous Metals & Ferroalloys

Subject: Review of Application
(Application, Field Team Report, etc.)

1. Date of subject document: 11/30/56 2. Date received by reviewer: 12/7/56.
3. Prior reports on this property known to reviewer: Yes [ ] No [x]
4. Prior reports on nearby properties known to reviewer: Yes [ ] No [x]
5. Information available on past production: Yes [ ] No [x]
6. Other pertinent factors known to reviewer: Yes [ ] No [x]
7. Explain items marked yes above:

8. Factors needing special consideration:
a. Location [ ]
b. Ownership [ ]
c. Evidence of mineralization [x]
d. Geology [x]
e. Proposed exploration method [x]
f. Alternate exploration method [ ]
g. Costs [ ]
h. [ ]

9. Action advised:
a. Obtain information from applicant [x]
b. Refer to Field Team [x]
c. Denial [ ]
d. Agree with Field Team [ ]
e. Disagree with Field Team [ ]
f. Suggest alternate plan [ ]
g. Request another examination [ ]
h. Approval [ ]
i. Consult with Mr. _____ at _____ AEC office.

10. Remarks: (Use back of page if necessary) The proposal is not clearly stated although it would apparently consist largely of rehabilitation and sampling. In order to appraise the application it is recommended that more information be obtained from the applicant or from the Field Team.

R. W. Holliday
R. W. Holliday

Docket

IN REPLY REFER TO:

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

RECEIVED DEC 11 1956 D.M.E.A.

December 7, 1956

Re: DMEA 4558
Tri-State Mines, Inc.
Yellow Dog and Montana Mines.
San Bernardino Co., Calif.
$105,200 - Tungsten

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 the partial re-equipment and rehabilitation of several old mines and the development of 5 tungsten deposits on which considerable work has been done. Such work, according to the application, cost several hundred thousand dollars and $12,000 to $15,000 has been expended within the past year.

Presumedly maps of the old mines are not available as none are submitted. The assay of one sample, showing 0.31% WO_3, is the only information concerning the several deposits given us.

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

N. E. Nelson

N. E. Nelson

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

November 30, 1956

Mr. H. E. Giddings
Tri-State Mines, Inc.
14612 Dexart Avenue
Norwalk, California

Subject: DMEA-4558

Dear Mr. Giddings

Your application for exploration assistance, dated (undated) submitted to our office at Reno, Nevada has been assigned Docket Number DMEA-4558 and referred to the Iron & Ferro Alloys Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

(Sgd) Allen S. Dakan

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to:
Region II- Reno
Code 400

6916