DMA Form 1

370

DEFENSE MINERALS ADMINISTRATION
Control Slip

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DMA Docket No. 1588 X

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To: Mr Lyon Date 7-30

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370

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

July 30, 1951

a. E. C.

Memorandum

To: Reports and Records Branch, DMA

From: Chief, Industrial Minerals Branch, DMA

Subject: DMA-1588X, Messrs. Robert Ritchie and Ingomar Paulsen
Commodity: Beryl, Tantalite, Mica
Amount of loan: $45,500.00

Denial recommended because:

1. Sound geologic basis to justify exploration not established.

2. Field Team examination failed to produce evidence of strategic mineral occurring in deposit.

We are forwarding the entire docket which includes the following:

1. Form MF-103 with supplemental information.
2. Review of Application for Exploration assistance
3. Copy of lease
4. Financial Statement
5. Laboratory report, No. E 3596, with 4 snapshots
6. Field Report from Region III with mapand letter to Tom Lyon dated July 13.

James A. Barr

James A. Barr, Sr.

Attachment

Approved:

Tom Lyon

Director, Supply Division

FILE COPY
SURNAME:

Barr

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

July 30, 1951
Code 370

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To: Reports and Records Branch, DMA

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Tom Lyon

M.P. 8/3

James A. Barr, Jr.

Attachment

JABARR:mp
cc: Mr. Lyon
DMA Filed Team, Region III
Mr. Barr
DMA Files

FILE COPY
SURNAME:

Barr

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

July 30, 1951

A.E.C.

Messrs. Robert Ritchie and Ingemar Paulsen
196 N. Sierra Avenue
Fontana, California

Gentlemen:

Subject: DMA-1588X
Beryl, Tantalite, Mica

Your application for aid for an exploration project on Mica, Beryl and Tantalite deposit near Lakeview, California, docketed DMA-1588X, has been reviewed by this office.

Projects approved by the Defense Minerals Administration must, in its judgment, show definite promise of yielding material of acceptable grade, physical character and specifications, in quantities, that will significantly improve the mineral supply position for National Defense.

A very careful study of your proposal revealed the following:

1. A sound geologic basis to justify the proposed exploration has not been demonstrated.

2. Examination by DMA Field Team has failed to produce evidence of strategic mineral occurrences in the deposit which would justify exploration.

Under these circumstances your application for exploration aid to the extent of 90% of $45,450.00, is denied. Should additional information become available, we would be glad to have you resubmit your proposal for consideration.

Sincerely yours,

T Lyon 8/3

Tom Lyon, Director
Supply Division

RWAKEY:mp
cc: Reports and Records
Field Team (2)
Mr. Barr
DMA Files
Mr. Lyon

July 30, 1951

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Tom Lyon
Tom Lyon, Director
Supply Division

RWA:EY:mp
cc: Reports and Records
Field Team ( )
Mr. Barr
DMA Files
Mr. Lyon

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D. C.~~

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

Office of
Executive Officer
DMA Field Team
Region III

July 13, 1951

Memorandum

To: Tom Lyon, Chairman, Coordinating Committee, Defense Minerals Administration, Washington, D. C.

From: Executive Officer, DMA Field Team, Region III

Subject: Docket DMA-1588X, Robert Ritchie and Ingomar Paulsen Pegmatite Prospect, Riverside County, California (Beryl, tantalite, mica)

Reference is made to subject docket and your "Review of Application for Exploration Assistance" dated June 21, 1951.

Attached are four copies of a report entitled "DMA-1588X, Robert Ritchie and Ingomar Paulsen Pegmatite Prospect, Riverside County, California (Beryl, tantalite, mica)", by C. Melvin Swinney, Geologist, U. S. Geological Survey, dated July 12, 1951.

Mr. Swinney was unable to find any beryl or tantalite on the property although he was shown high-quality specimens reported to have come from the property. The applicants' request for $45,450 should be turned down. Mr. Swinney weakly suggests that a loan of $5,000 for further exploration might be considered but the Region III DMA Field Team is of the opinion that the showings merit no Government aid.

Subject docket is being returned herewith.

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

Attachment

Copy to: E. H. Bailey, USGS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 16 1951
[illegible] A. [illegible]
Executive Secretary

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMA-1588X, Robert Ritchie and Ingomar Paulsen Pegmatite Prospect

Riverside County, California

(Beryl, tantalite, mica)

C. Melvin Swinney, Geologist
U. S. Geological Survey

July 12, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JUL 16 1951
Executive Secretary

DMA-1588X, Robert Ritchie and Ingomar Paulsen Pegmatite Prospect
Riverside County, California

(Beryl, tantalite, mica)

Introduction and Recommendation

At the request of the Defense Minerals Administration a mining property, leased by Mr. Robert Ritchie of Fontana, California and Mr. Ingomar Paulsen of Etiwanda, California was examined on July 2, 1951. The property contains several pegmatite dikes, one of which is reported by the lessees to have yielded beryl, tantalite, and muscovite mica. Only this single pegmatite outcrop was examined by the writer.

The lessees are applying to the Defense Minerals Administration for an exploration loan of $45,450.00. It is not recommended that a sum of this magnitude be granted, and it is quite doubtful if even a much smaller loan is justified.

Location

The Ritchie-Paulsen pegmatite prospect is approximately three miles southeast of the village of Lakeview in Riverside County, California (see figure 1). The property is reached by travelling south on U. S. Highway 395 from the city of Riverside to Val Verde. At Val Verde turn east and continue over six miles of paved road to Lakeview. Turn south at the main intersection in Lakeview and travel 1.7 miles along the paved road toward the village of Nuevo; here, turn east onto a paved road. This corner is not signed but the road leads directly toward the low hills southeast of Lakeview. Continue for another 0.7 miles. From this point it is necessary to travel northwesterly across about a half mile of sandy plowed fields to the pegmatite outcrop. The lessees plan to build a road to the prospect, but at present they use a jeep to get to and from the property. The pegmatite exposure is in the northwest quarter of section 21, T. 4 S., R. 2 W., San Bernardino base line.

Equipment

No mining equipment is at the property, but Mr. Paulsen owns a gasoline-powered rock drill (similar in size and appearance to an air-operated rock drill) with which he has done some prospecting along the pegmatite outcrop. Water is reportedly available from a capped well situated about 200 yards south of the outcrop. At the time of this examination no pumping equipment had been installed.

General Geology

The Ritchie-Paulsen pegmatite prospect lies on the edge of a low range of hills called the Lakeview Mountains. This range, situated to the south and east of Lakeview, is about 7 miles long and 5 miles across and is composed entirely of two coarse grained granitic rock types. Dudley_/ called the rock that makes up the greater portion of

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_/ Dudley, Paul H. Geology of a portion of the Perris block, Southern California: Calif. Jour. Mines and Geol., vol. 31, no. 4, pp. 487-596, 1935.

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the Lakeview Mountains the Lakeview quartz-hornblende diorite, and the other rock exposed along the northern and eastern edge of the hills he termed the Perris quartz diorite.

Several widely scattered pegmatite dikes occur in the Lakeview quartz hornblende diorite but all of them are small, the one examined probably being the largest in the area. This dike is approximately 400 feet long and 40 feet across at its greatest width (see figure 2). It forms the backbone of a low ridge extending out into the valley from the higher hills to the east. At its eastern end the dike narrows and dies out, but to the west it widens where it extends down the nose of the low ridge and disappears beneath cultivated ground. Its extent beneath the cultivated area is unknown.

The dike is composed chiefly of very coarse crystalline quartz, microcline, and plagioclase. Much of the quartz and micorcline exhibit graphic intergrowth. In addition, the dike contains large amounts of muscovite and tourmaline (schorlite) and minor quantities of garnet and biotite. The muscovite, schorlite, garnet assemblage of minerals are concentrated in irregular, discontinuous lenses along the length of the dike. Boundaries of these lenses are not sharp. According to Mr. Paulsen, who accompanied the writer to the property,

the beryl and tantalite that were taken from the pegmatite occurred in a small pocket associated with one of the muscovite-schorlite lenses. This pocket of ore was apparently well mined out, for no other specimens of beryl or tantalite were found either in the immediate vicinity of the pocket or anywhere else along the entire outcrop of the dike. A search of the dumps also failed to yield even a single piece of beryl or tantalite.

The prospect pits and trenches shown in the sketch map of the outcrop, figure 2, were made a number of years ago when the property was worked for feldspar. The only work carried on by the present lessees was the digging out of the small pocket of ore exposed in one of the old pits.

Recommendations

The lessees have asked for a sum of $45,450.00 with which to carry out exploratory work on the pegmatite dike for a period of one year. Such a sum is not justified by the showings found at the property. Although it is recognized that such deposits characteristically occur in pockets, frequently sharply bounded, it would nevertheless be expected that if the overall concentration of the pockets is at all high, other areas of beryl and tantalite mineralization would be found somewhere along the exposed length of the dike. Lenses of muscovite and schorlite crop out, but none of these carry ore minerals.

An exploration loan of not over 5,000.00 might be considered to allow the applicant to completely strip off all overburden and then test, by drilling or trenching, any area of muscovite-schorlite mineralization. Such an operation should quickly prove or disprove the worth of the deposit. On the basis of field observations, however, even a small loan does not seem justifiable. It is only because of the high quality of the beryl and tantalite specimens indicated to have come from the pegmatite by the lessees that the possibility ofa a small exploration loan is mentioned, and there is no assurance these specimens came from the deposit. Scrap mica could be produced, but no muscovite of strategic quality was found at the property.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMA-1588K, Robert Ritchie and Ingemar Paulsen Pegmatite Prospect

Riverside County, California

(Beryl, tantalite, mica)

C. Melvin Swinney, Geologist
U. S. Geological Survey

July 12, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration

DMA-1588X, Robert Ritchie and Ingomar Paulsen Pegmatite Prospect
Riverside County, California

(Beryl, tantalite, mica)

Introduction and Recommendation

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Equipment

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Recommendations

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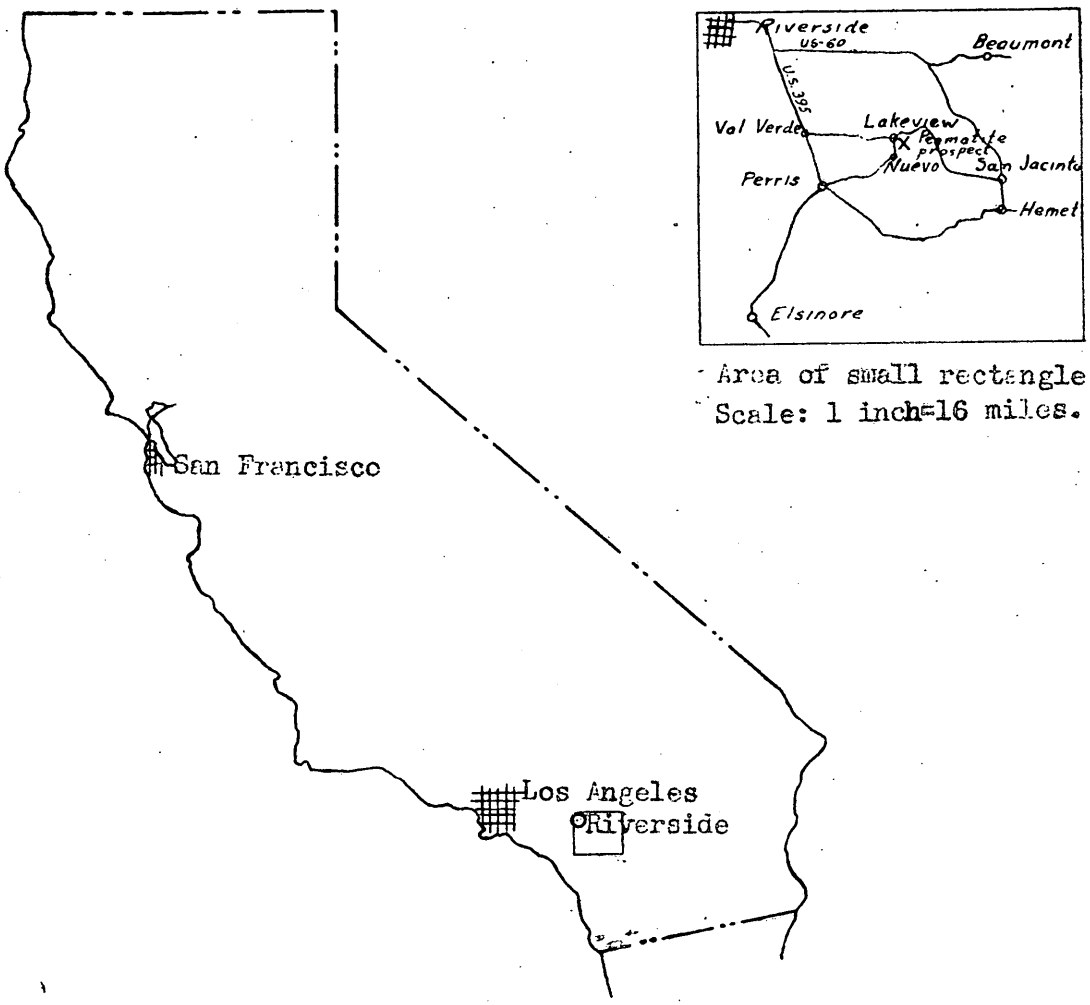
Figure 1

Outline map of California showing the location of the Ritchie and Paulsen pegmatite prospect near Lakeview, Riverside County, Calif.



UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

DMA-1588x

(BERYL, MICA)

C. M. Swinney, July 1951

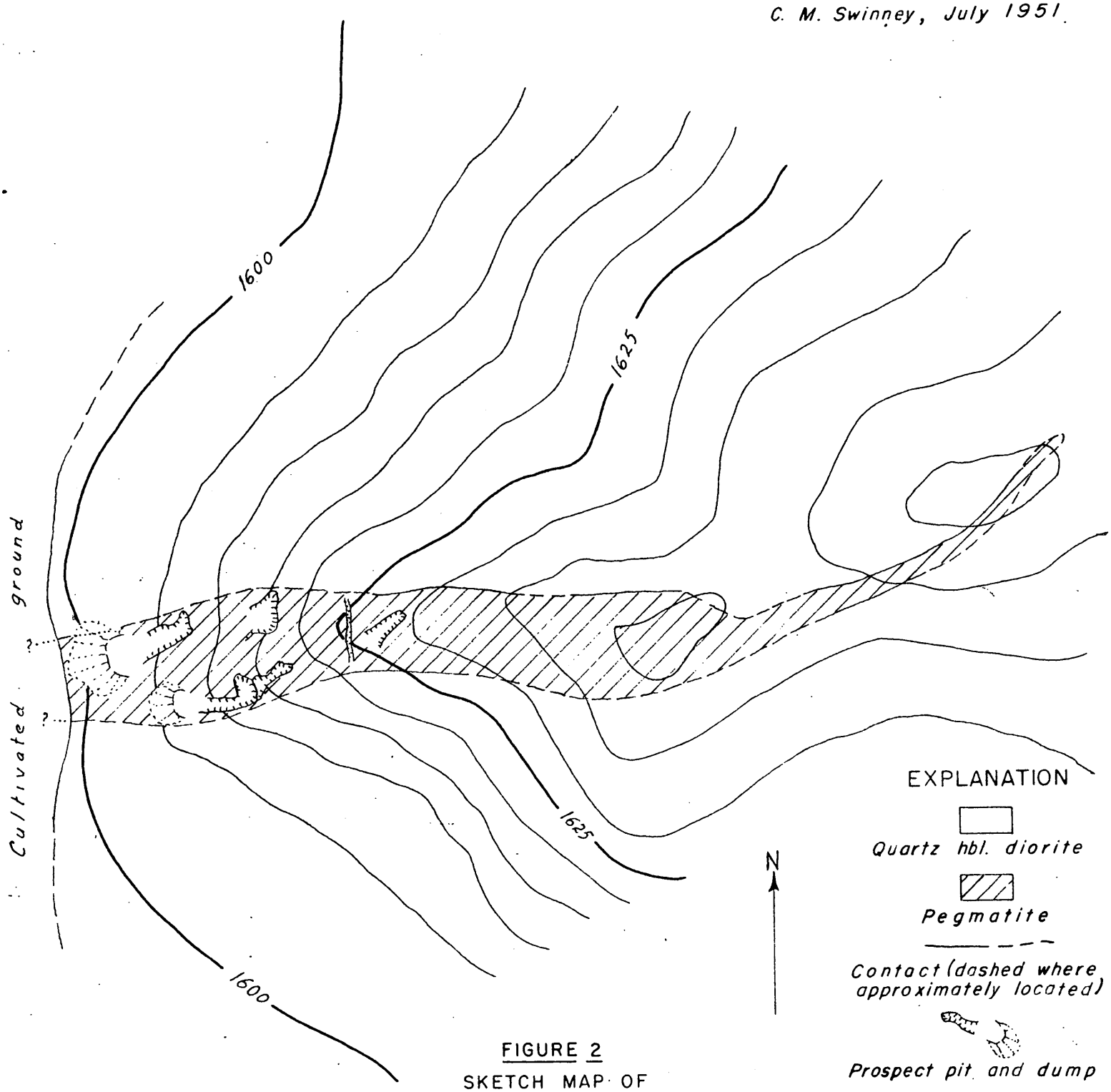


FIGURE 2

SKETCH MAP OF

PEGMATITE PROSPECT, RIVERSIDE COUNTY, CALIFORNIA

RITCHIE AND PAULSEN LEASE

0 50 100 150 200 Feet

Compass and pace control.

Datum assumed.

a.E.C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMA-1588X, Robert Ritchie and Ingomar Paulsen Pegmatite Prospect

Riverside County, California

(Beryl, tantalite, mica)

C. Melvin Swinney, Geologist
U. S. Geological Survey

July 12, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JUL 1 0 1951

DMA-1588X, Robert Ritchie and Ingomar Paulsen Pegmatite Prospect
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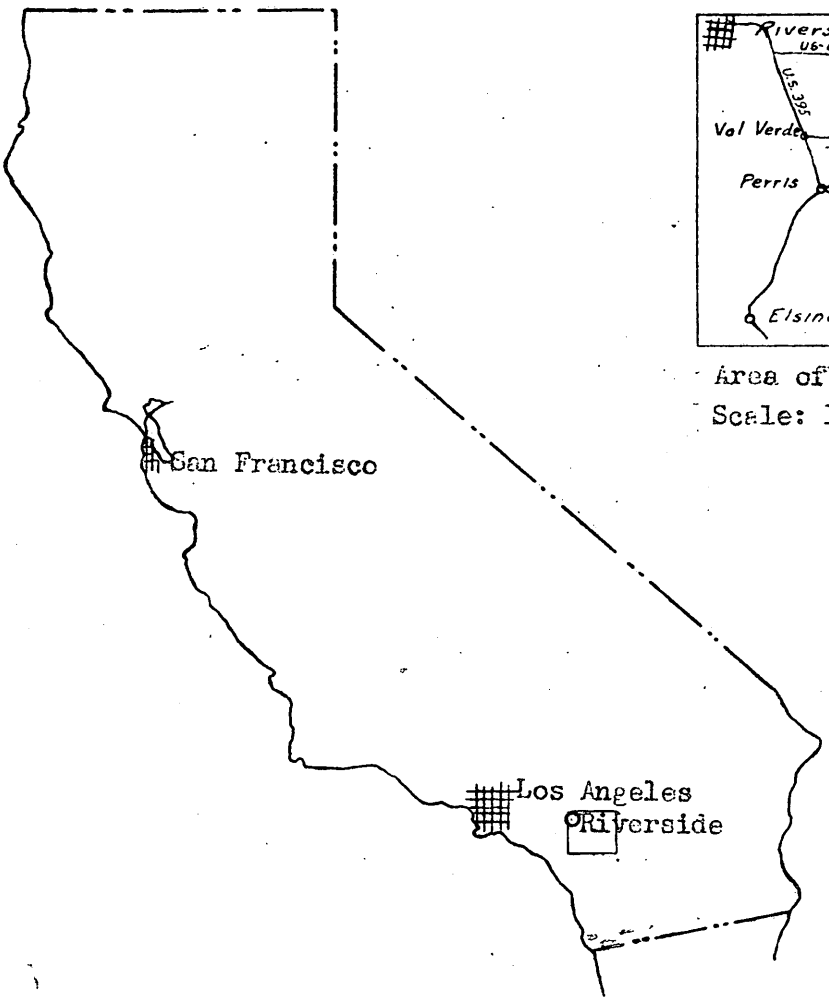
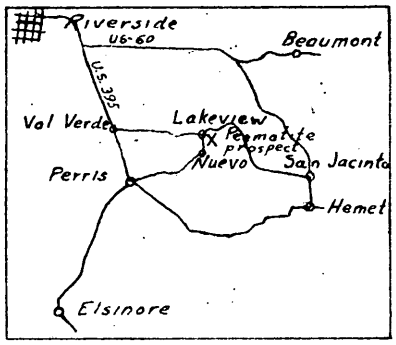
Figure 1

Outline map of California showing the location of the Ritchie and Paulsen pegmatite prospect near Lakeview, Riverside County, Calif.





Area of small rectangle.
Scale: 1 inch=16 miles.

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

DMA-1588x

(BERYL, MICA)

C. M. Swinney, July 1951

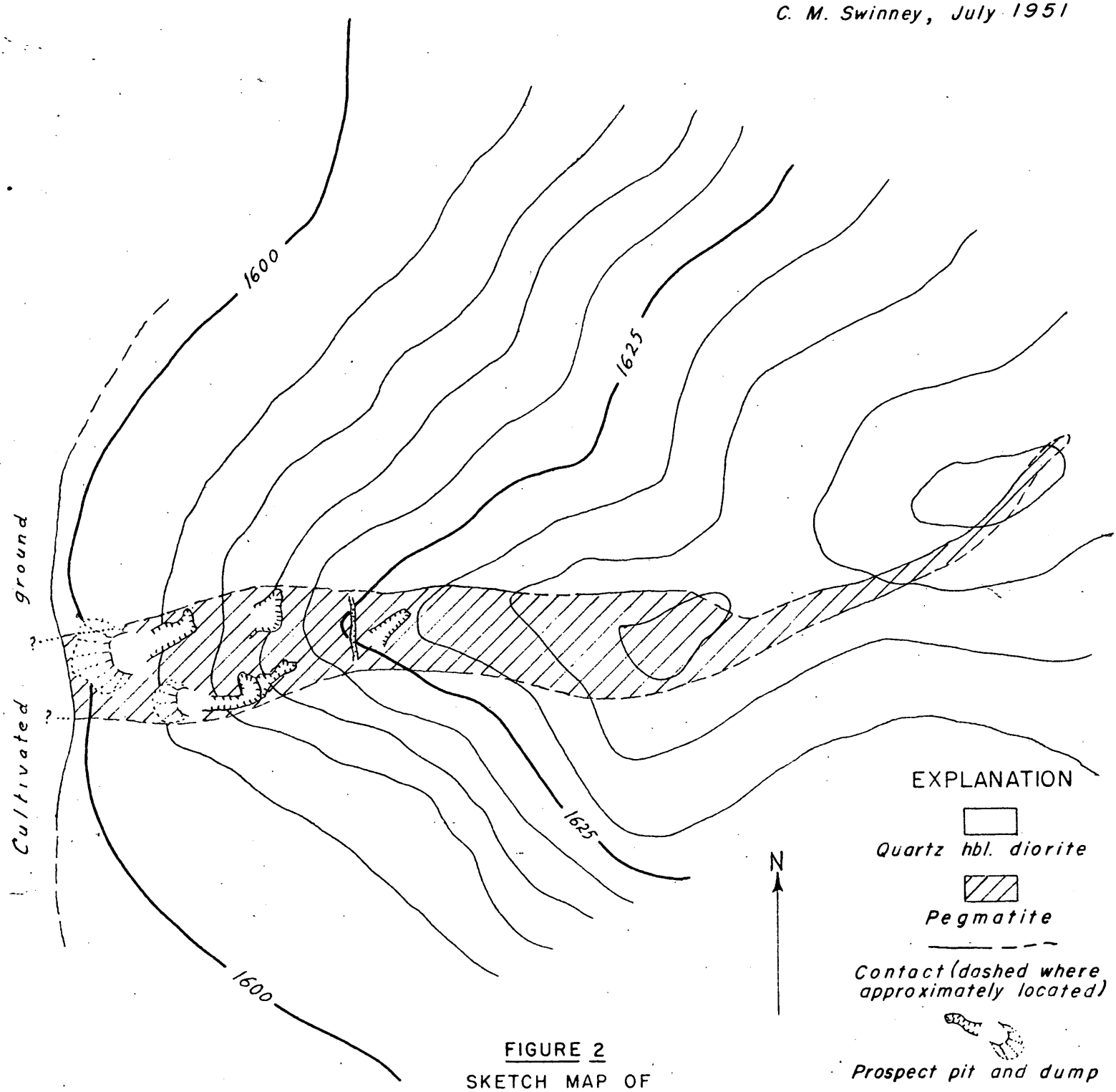


FIGURE 2

SKETCH MAP OF

PEGMATITE PROSPECT, RIVERSIDE COUNTY, CALIFORNIA

RITCHIE AND PAULSEN LEASE

0 50 100 150 200 Feet

Compass and pace control.

Datum assumed.

3538

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

JUN 25 1951

Mr. H.C. Miller
1415 Appraisers Building
San Francisco, Calf.

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Applicant Robert Rictchie and Ingomar Paulsen, 196 N. Sierra Ave., Fontana, California

Docket No. DMA-1588X

Commodity Mica, Tantalite, Beryl.

Amount $ 45,500.

Please expedite the consideration of this application with particular reference to the points raised in the attached "Review".

Very truly yours,

Tom Lyon, Chairman
Coordinating Committee

RW:mas
cc: Mr. Moon
Mr. Barr

For Bureau of Mines

For Geological Survey

FILE COPY
SURNAME:

Barr
Moon
McKnight
Jon
Rood

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

Docket mailed 6/25/51

June 21, 1951

Robert Ritchie & Inhomar Paulsen
196 N. Sierra Ave.
Fontana, California

Subject: DMA-1588X

Gentlemen:

Your application is being referred to Mr. H.C. Miller, 1415 Appraisers Building, San Francisco, California, Executive officer of the Field Team, Region III, for further information.

Sincerely yours,

Tom Lyon, Director
Supply Division

RW:mas

cc: Administrator's Reading File
Mr. Strobel
Field Team
Mr. Barr
DMA Files

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. dma 1588 X

Date received 6-5-51

Participation

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
MAY 31 1951
SAN FRANCISCO, CALIFORNIA

Robert Ritchie
Ingomar Paulsen
196 N. Sierra Ave.
Fontana, California

Name and address of applicant

Date May 29, 1951

FILL IN THIS BLOCK

Date of application May 29, 1951

Estimated cost $45,450.00

Mineral or metal Muscovite Mica, tantalite, beryl.

Percentage of Government participation 90

Location of mine Approximately 3 miles northeast of Lakeview, Calif., Hemet area. For legal description, see lease attached.

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

-For answers to all questions, see rider attached.-

*1. Is applicant an individual, partnership, or corporation?

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.

*5. Are you the owner or the lessee of the property?

6. If owner, state what claims, liens, or encumbrances, if any, are against the property.

7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.
15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

(Name of company)	By Robert Pulchin (Signature of authorized official)
5/29/51 (Date)	Ingomar Paulsen (Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

1. Partnership.

2. Robert Ritchie, 196 North Sierra Avenue, Fontana, California.
Ingomar Paulsen, P. O. Box 134, Etiwanda, California.

3. Does not apply.

4. Applicant Robert Ritchie has been actively engaged in the general practice of Law for the past 17 years and has had occasion to become familiar with business and legal phases of mining operations during that period. Ingomar Paulsen, who will be actively supervising the exploration project, has for the past 10 years been actively prospecting and has made an intensive study of mineral identification, both physical and chemical, geology and practical application of mining and exploratory procedure.

5. Lessees.

6. None against either fee title or lease interest.

7. Copy of lease attached. Now in good standing.

8. Question seems to apply to applicants actively engaged in mining operations. These applicants are not now so engaged. However, recent financial statement of Robert Ritchie is attached. Ingomar Paulsen is now employed with the Pacific Electric Railway Company on a salary and owns a Jeep, a gasoline portable rock breaker and miscellaneous small mining tools which he employs in exploration work. He expects his present employment to terminate in July or August of this year.

9. Applicants are prepared to invest sufficient cash as required to make up deficiency, if any, between contributions of time and equipment by applicants according to Section 9 of Mineral Order No. 5.

10. (a) See legal description on lease hereto attached. Approximately 1000 acres.

(b) Portion upon which exploration is to be conducted is pegmatite out crop as shown in attached photographs. Survey providing legal description of out crop is not available but will be obtained and submitted if essential.

11. None.

12. Out crop located approximately three miles northeast of Lakeview, California. Nearest railroad and rail shipping point is Hemet, California, which is approximately 8 miles to the east. There is approximately one-half mile dirt road to hard-surfaced highway.

13. Unlimited water supply within 200 yards.

14. None.

15. Truck or rail shipping facilities readily available. Size of tantalum, bismuth and beryl found to date indicates hand-sorting. Also, larger mica books indicate hand-sorting. Smaller books can be processed by most feasible system.

16. (a) Approximately 40 years ago felspar had been mined but due to falling prices operations were apparently suspended. There has been no further discovery or exploration until recently by applicants. Discovery was made by applicant Ingvar Paulsen during routine prospecting and checking of pegmatite.

(b) None available.

(c) None except enclosed information and result of applicants' examination.

17 (a) Does not apply.

18. Does not apply. Worked for felspar 40 years.

19. Unusual size of pegmatite. Extra large extent of mica-bearing area. Unusually large amounts of albite felspar (see photographs attached).

20. Expect to locate bodies of tantalum, bismuth or beryl. It is desired to explore out cropping to determine extent of commercial mica.

21. It is proposed to remove overburden in order to explore pockets of tantalum, bismuth and beryl and the extent of strategic mica. It is estimated that full exploration will require approximately one year.

22. Out crop is in pegmatite belt of Southern California. It is unique because of its immense size and diversity of minerals. Removal of approximately 300 cubic feet of earth has produced over 100 pounds of beryl, 15 pounds of tantalite (specific gravity 8 plus at least one ton of muscovite mica,, (See samples of tantalite and beryl enclosed), also 6 ounces of pure bismuth mineral. Geological maps, assays, etc. are not available at this time because of short time between recent discovery and expiration date of Defense Production Act of 1950. Lease was executed on May 29, 1951. Such data will be available at an early date.

23.	(a) 2 general miners, one year -	$7,000.00
	1 air compressor jack hammer man, one year -	4,000.00
	Equipment operator, one year -	4,500.00
	(b) Supervising foreman -	5,500.00
	Clerical, management and legal -	7,000.00
	(c) None	
	(d) Building approximately 15 ft. x 20 ft. for storage, records and miscellaneous use -	2,000.00

(Continued on Page 3).

Robert Ritchie, 196 N.Sierra, Fontana, Cal.
Ingvar Paulsen, P.O.Box 134, Etiwanda, Cal.

23. (Continued from page 2.)

(e) Bulldozer (D-4) equipment -	5,500.00
Skip loader blade, etc. -	3,000.00
Air Compressor -	2,000.00
Jack hammer and hose -	500.00
(f) None.	
(g) Rental Jeep one year -	1,000.00
Rental of portable gasoline rock breaker, one year -	450.00
(h) Dynamite drill steels, drill bits, gasoline, fuel oil, etc. - one year -	3,000.00
(i) None.	
	$45,450.00

Note: The above calculations are based on estimates and may be subject to some revision, depending upon conditions and prices at the time the work is done.

Robert Ritchie, 196 N.Sierra, Fontana,Cal.
Ingomar Paulsen,P.O.Box 134, Etiwanda,Cal.

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MINING LEASE

THIS INDENTURE made this 25th day of May, 1951, between JOHN V. MOTTE AND EVELYN MOTTE, his wife, and CHARLES L. MOTTE AND OTTIE MAE MOTTE, his wife, parties of the first part, and ROBERT RITCHIE and INGOMAR PAULSEN, parties of the second part,

W I T N E S S E T H :

That the said parties of the first part for and in consideration of the covenants and agreements hereinafter contained on the part of the said parties of the second part and of One Dollar ($1.00) in hand paid to the Parties of the first part, receipt whereof is hereby acknowledged, do hereby grant and convey unto the parties of the second part, their heirs, executors, administrators and assigns the right of entering in and upon the lands hereinafter described with necessary appurtenances for the purpose of searching for mineral substances and of conducting mining operations to any extent they may deem advisable for a term of ten (10) years from the date hereof. The said lands are situated in the County of Riverside, State of California, described as follows:

> Those parcels of land more particularly described in the judgment quieting title after default in action No. 48962, entitled Motte vs. McLaughlin et al, heretofore filed in the Superior Court of the State of California, in and for the County of Riverside, which judgment was filed for record on March 16, 1950, in Book 1156, Page 318, Official Records of Riverside County, California, excepting therefrom all of the aforesaid property which is tillable in the discretion of the first parties, the lessors.

This grant shall include a right of way described as follows:

> Beginning at the point of intersection of county road and Warren Avenue; thence in a northeasterly direction on Warren Avenue to the northeast corner of the Northwest Quarter of Section 21, Township 4S, Range 2W to the point of access to the property subject to this lease. This right of way shall be only for the purpose of ingress and egress and shall be in a direct line from the point of access to the property of the mining operation of the second parties and shall be used in such a manner as to cause the smallest amount of damage to the agricultural crops grown upon the property by the first parties.

ROBERT RITCHIE
ATTORNEY AT LAW
196 N. SIERRA
FONTANA, CALIFORNIA

Said parties of the second part covenant that they, their heirs, and assigns will pay or cause to be paid to the parties of the first part, their heirs or assigns, a sum equivalent to ten (10%) percent of the gross sale price of all marketable minerals removed up to the sum of Six Hundred ($600.00) Dollars/per month, and thereafter fifteen (15%) percent on any sums in excess of Six Hundred ($600.00) Dollars per month; all the payments to be made on the 15th day of each month for minerals removed during the preceding month.

The parties of the second part agree to keep such records as may be necessary to show the minerals removed and their value, and the parties of the first part shall have the right to inspect such records at any time.

If no minerals be mined within a period of ten (10) years then this lease and everything contained herein shall terminate and be forever null and void.

The parties of the second part agree to indemnify and hold harmless the parties of the first part from any or all liability or damages to persons or property occasioned or in any way arising out of the operations contemplated hereunder, and further agree to carry such insurance at their own expense as may be required to adequately protect said first parties, together with Workmen's Compensation as required; further, that the second parties will comply with all laws, rules, regulations or ordinances in any way appertaining to said operations.

This document is intended as a lease and all payments hereunder shall be construed as rental. The relationship between the parties of the first and second part is that of landlord and tenant and not a partnership, joint enterprise, or otherwise.

At the termination of this lease the parties of the second part agree to leave the property in such condition so that it will not be a hazard or an attractive nuisance.

ROBERT RITCHIE
ATTORNEY AT LAW
196 N. SIERRA
FONTANA, CALIFORNIA

STATE OF CALIFORNIA,

County of San Bernardino } ss.

ON THIS 25 day of May, A.D., 19 51, before me, the undersigned a Notary Public in and for said County and State, personally appeared Robert Ritchie and Ingomar Paulsen, known to me, to be the person s whose name s are subscribed to the within Instrument, and acknowledged to me that the y executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

(s) Carlton R. Schuetz

Notary Public in and for said County and State.

ACKNOWLEDGMENT — GENERAL — WOLCOTTS FORM 233

STATE OF CALIFORNIA,

County of Riverside } ss.

ON THIS 25 day of May, A.D., 19 51, before me, Mary B. Kennedy a Notary Public in and for said County and State, personally appeared Charles L. Motte, Ottie Lee Motte, John V. Motte and Evelyn Motte, known to me, Mary B. Kennedy to be the person s whose name s are subscribed to the within Instrument, and acknowledged to me that the y executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

(s) Mary B. Kennedy

Notary Public in and for said County and State.

ACKNOWLEDGMENT — GENERAL — WOLCOTTS FORM 233

IN WITNESS WHEREOF the said parties have subscribed their hands and seals the day and year above written.

(s) Charles L. Motte
Party of the First Part

(s) Ottie Mae Motte
Party of the First Part

(s) John V. Motte
Party of the First Part

(s) Evelyn Motte
Party of the First Part

(s) Robert Ritchie
Party of the Second Part

(s) Ingomar Paulsen
Party of the Second Part

ROBERT RITCHIE
ATTORNEY AT LAW
196 N. SIERRA
FONTANA, CALIFORNIA

ROBERT RITCHIE

196 North Sierra Avenue
Fontana, California

STATEMENT OF FINANCIAL CONDITION
December 31, 1950

ASSETS

Checking Account, Bank of America, Fontana	$ 223,62
Checking Account, Citizens Bank, Rialto	791.46
Notes Receivable (2 First Trust Deeds)	5,221.82
Office Furniture and Equipment	2,000.00
Securities (100 Shares P. Lorillard common stock)	2,250.00
1946 Plymouth Sedan	750.00
1949 Plymouth Coupe	1,250.00
Real Estate:	
Residence (2733 Fremontia, San Bernardino, Calif.)	14,000.00
Investment (Business Lot, Nuevo and Seville, Fontana, California)	14,000.00
Total Assets	$40,486.90

LIABILITIES

Note Payable - Citizens Bank, Rialto, California	$ 500.00
Deed of Trust - Prudential Life Insurance Co. (on Residence)	4,841.95
Deed of Trust - Fontana Farms Company (on Investment Lot)	2,500.00
Total Liabilities	7,841.95
Net Worth	32,644.95
Total	$40,486.90

Footnotes: (1) Securities are at market value; furniture, equipment, autos, and real estate at estimated fair market values.

(2) Payments: Receivable: 2 Trust Deeds $100.00 monthly.
Payable: Prudential Insurance Co. $38.25 monthly.
Fontana Farms Company $250.00 semi-annually.

Exhibit A

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 5 - 1951
LANDON F. STROBEL
Executive Secretary

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. dma 1588X

Date received 6-5-51

Participation

Robert Ritchie
Ingomar Paulsen
196 N. Sierra Ave.
Fontana, California

Name and address of applicant

Date May 29, 1951

FILL IN THIS BLOCK

Date of application May 29, 1951

Estimated cost $45,450.00

Mineral or metal Muscovite Mica, tantalite, beryl.

Percentage of Government participation 90

Location of mine Approximately 3 miles northeast of Lakeview, Calif., Hemet area. For legal description, see lease attached.

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

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*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
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16—64067-1

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	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
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(Name of company)	By [illegible] (Signature of authorized official)
5/29/51 (Date)	Ingoman Paulsen (Title)

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16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

1. Partnership.

2. Robert Ritchie, 196 North Sierra Avenue, Fontana, California.
Ingomar Paulsen, P. O. Box 134, Etiwanda, California.

3. Does not apply.

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5. Lessees.

6. None against either fee title or lease interest.

7. Copy of lease attached. Now in good standing.

8. Question seems to apply to applicants actively engaged in mining operations. These applicants are not now so engaged. However, recent financial statement of Robert Ritchie is attached. Ingomar Paulsen is now employed with the Pacific Electric Railway Company on a salary and owns a Jeep, a gasoline portable rock breaker and miscellaneous small mining tools which he employs in exploration work. He expects his present employment to terminate in July or August of this year.

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10. (a) See legal description on lease hereto attached. Approximately 1000 acres.

(b) Portion upon which exploration is to be conducted is pegmatite out crop as shown in attached photographs. Survey providing legal description of out crop is not available but will be obtained and submitted if essential.

11. None.

12. Out crop located approximately three miles northeast of Lakeview, California. Nearest railroad and rail shipping point is Hemet, California, which is approximately 8 miles to the east. There is approximately one-half mile dirt road to hard-surfaced highway.

13. Unlimited water supply within 200 yards.

14. None.

Robert Ritchie, 196 N.Sierra, Fontana, Cal.
Ingomar Paulsen, P.O.Box 134, Etiwanda, Cal.

15. Truck or rail shipping facilities readily available. Size of tantalum, bismuth and beryl found to date indicates hand-sorting. Also, larger mica books indicate hand-sorting. Smaller books can be processed by most feasible system.

16. (a) Approximately 40 years ago falspar had been mined but due to falling prices operations were apparently suspended. There has been no further discovery or exploration until recently by applicants. Discovery was made by applicant Ingomar Paulsen during routine prospecting and checking of pegmatite.

(b) None available.

(c) None except enclosed information and result of applicants' examination.

17 (a) Does not apply.

18. Does not apply. Worked for falspar 40 years.

19. Unusual size of pegmatite. Extra large extent of mica-bearing area. Unusually large amounts of albite falspar (see photographs attached).

20. Expect to locate bodies of tantalum, bismuth or beryl. It is desired to explore out cropping to determine extent of commercial mica.

21. It is proposed to remove overburden in order to explore pockets of tantalum, bismuth and beryl and the extent of strategic mica. It is estimated that full exploration will require approximately one year.

22. Out crop is in pegmatite belt of Southern California. It is unique because of its immense size and diversity of minerals. Removal of approximately 300 cubic feet of earth has produced over 100 pounds of beryl, 15 pounds of tantalite (specific gravity 8 plus at least one ton of muscovite mica,, (See samples of tantalite and beryl enclosed), also 6 ounces of pure bismuth mineral. Geological maps, assays, etc. are not available at this time because of short time between recent discovery and expiration date of Defense Production Act of 1950. Lease was executed on May 25, 1951. Such data will be available at an early date.

23. (a) 2 general miners, one year - $7,000.00
1 air compressor jack hammer man, one year - 4,000.00
Equipment operator, one year - 4,500.00

(b) Supervising foreman - 5,500.00
Clerical, management and legal - 7,000.00

(c) None

(d) Building approximately 15 ft. x 20 ft. for storage, records and miscellaneous use - 2,000.00

(Continued on Page 3).

Robert Ritchie, 196 N.Sierra, Fontana, Cal.
Ingomar Paulsen, P.O.Box 134, Etiwanda, Cal.

23. (Continued from page 2.)

(e) Bulldozer (D-4) equipment -	5,500.00
Skip loader blade, etc. -	3,000.00
Air Compressor -	2,000.00
Jack hammer and hose -	500.00
(f) None.	
(g) Rental Jeep one year -	1,000.00
Rental of portable gasoline rock breaker, one year -	450.00
(h) Dynamite drill steels, drill bits, gasoline, fuel oil, etc. - one year -	3,000.00
(i) None.	
	$45,450.00

Note: The above calculations are based on estimates and may be subject to some revision, depending upon conditions and prices at the time the work is done.

Robert Ritchie, 196 N.Sierra, Fontana,Cal.
Ingomar Paulsen,P.O.Box 134, Etiwanda,Cal.

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MINING LEASE

THIS INDENTURE made this 25th day of May, 1951, between JOHN V. MOTTE AND EVELYN MOTTE, his wife, and CHARLES L. MOTTE AND OTTIE MAE MOTTE, his wife, parties of the first part, and ROBERT RITCHIE and INGOMAR PAULSEN, parties of the second part,

W I T N E S S E T H :

That the said parties of the first part for and in consideration of the covenants and agreements hereinafter contained on the part of the said parties of the second part and of One Dollar ($1.00) in hand paid to the Parties of the first part, receipt whereof is hereby acknowledged, do hereby grant and convey unto the parties of the second part, their heirs, executors, administrators and assigns the right of entering in and upon the lands hereinafter described with necessary appurtenances for the purpose of searching for mineral substances and of conducting mining operations to any extent they may deem advisable for a term of ten (10) years from the date hereof. The said lands are situated in the County of Riverside, State of California, described as follows:

> Those parcels of land more particularly described in the judgment quieting title after default in action No. 48962, entitled Motte vs. McLaughlin et al, heretofore filed in the Superior Court of the State of California, in and for the County of Riverside, which judgment was filed for record on March 16, 1950, in Book 1156, Page 318, Official Records of Riverside County, California, excepting therefrom all of the aforesaid property which is tillable in the discretion of the first parties, the lessors.

This grant shall include a right of way described as follows:

> Beginning at the point of intersection of county road and Warren Avenue; thence in a northeasterly direction on Warren Avenue to the northeast corner of the Northwest Quarter of Section 21, Township 4S, Range 2W to the point of access to the property subject to this lease. This right of way shall be only for the purpose of ingress and egress and shall be in a direct line from the point of access to the property of the mining operation of the second parties and shall be used in such a manner as to cause the smallest amount of damage to the agricultural crops grown upon the property by the first parties.

Said parties of the second part covenant that they, their heirs, and assigns will pay or cause to be paid to the parties of the first part, their heirs or assigns, a sum equivalent to ten (10%) percent of the gross sale price of all marketable minerals removed up to the sum of Six Hundred ($600.00) Dollars/minerals removed per month, and thereafter fifteen (15%) percent on any sums in excess of Six Hundred ($600.00) Dollars per month; all the payments to be made on the 15th day of each month for minerals removed during the preceding month.

The parties of the second part agree to keep such records as may be necessary to show the minerals removed and their value, and the parties of the first part shall have the right to inspect such records at any time.

If no minerals be mined within a period of ten (10) years then this lease and everything contained herein shall terminate and be forever null and void.

The parties of the second part agree to indemnify and hold harmless the parties of the first part from any or all liability or damages to persons or property occasioned or in any way arising out of the operations contemplated hereunder, and further agree to carry such insurance at their own expense as may be required to adequately protect said first parties, together with Workmen's Compensation as required; further, that the second parties will comply with all laws, rules, regulations or ordinances in any way appertaining to said operations.

This document is intended as a lease and all payments hereunder shall be construed as rental. The relationship between the parties of the first and second part is that of landlord and tenant and not a partnership, joint enterprise, or otherwise.

At the termination of this lease the parties of the second part agree to leave the property in such condition so that it will not be a hazard or an attractive nuisance.

ROBERT RITCHIE
ATTORNEY AT LAW
SIERRA
CALIFORNIA

STATE OF CALIFORNIA,

County of San Bernardino } ss.

ON THIS 25 day of May, A.D., 1951, before me, the undersigned a Notary Public in and for said County and State, personally appeared Robert Ritchie and Ingomar Paulsen, known to me, to be the person s whose name s are subscribed to the within Instrument, and acknowledged to me that the y executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

(s) Carlton R. Schuetz

Notary Public in and for said County and State.

ACKNOWLEDGMENT — GENERAL — WOLCOTTS FORM 233

STATE OF CALIFORNIA,

County of Riverside } ss.

ON THIS 25 day of May, A.D., 19 51, before me, Mary B. Kennedy a Notary Public in and for said County and State, personally appeared Charles L. Motte, Ottie Mae Motte, John V. Motte and Evelyn Motte, known to me, Mary B. Kennedy to be the person s whose name s are subscribed to the within Instrument, and acknowledged to me that the y executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

(s) Mary B. Kennedy

Notary Public in and for said County and State.

ACKNOWLEDGMENT — GENERAL — WOLCOTTS FORM 233

IN WITNESS WHEREOF the said parties have subscribed their hands and seals the day and year above written.

(s) Charles L. Motte
Party of the First Part

(s) Ottie Mae Motte
Party of the First Part

(s) John V. Motte
Party of the First Part

(s) Evelyn Motte
Party of the First Part

(s) Robert Ritchie
Party of the Second Part

(s) Ingomar Paulsen
Party of the Second Part

ROBERT RITCHIE
ATTORNEY AT LAW
196 N. SIERRA
FONTANA, CALIFORNIA

ROBERT RITCHIE

196 North Sierra Avenue
Fontana, California

STATEMENT OF FINANCIAL CONDITION
December 31, 1950

ASSETS

Checking Account, Bank of America, Fontana	$ 223.62
Checking Account, Citizens Bank, Rialto	791.46
Notes Receivable (2 First Trust Deeds)	5,221.82
Office Furniture and Equipment	2,000.00
Securities (100 Shares P. Lorillard common stock)	2,250.00
1946 Plymouth Sedan	750.00
1949 Plymouth Coupe	1,250.00
Real Estate:	
Residence (2733 Fremontia, San Bernardino, Calif.)	14,000.00
Investment (Business Lot, Nuevo and Seville, Fontana, California)	14,000.00
Total Assets	$40,486.90

LIABILITIES

Note Payable - Citizens Bank, Rialto, California	$ 500.00
Deed of Trust - Prudential Life Insurance Co. (on Residence)	4,841.95
Deed of Trust - Fontana Farms Company (on Investment Lot)	2,500.00
Total Liabilities	7,841.95
Net Worth	32,644.95
Total	$40,486.90

Footnotes: (1) Securities are at market value; furniture, equipment, autos, and real estate at estimated fair market values.

(2) Payments; Receivable: 2 Trust Deeds $100.00 monthly.
Payable: Prudential Insurance Co. $38.25 monthly.
Fontana Farms Company $250.00 semi-annually.

Exhibit A

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 5 - 1951
LANDON F. STROBEL
Executive Secretary

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. dma 1588 X

Date received 6-5-51

Participation

Robert Ritchie
Ingomar Paulsen
196 N. Sierra Ave.
Fontana, California

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
MAY 31 1951
SAN FRANCISCO, CALIFORNIA

Name and address of applicant

Date May 29, 1951

FILL IN THIS BLOCK

Date of application May 29, 1951

Estimated cost $45,450.00

Mineral or metal Muscovite Mica, tantalite, beryl.

Percentage of Government participation 90

Location of mine Approximately 3 miles northeast of Lakeview, Calif., Hemet area. For legal description, see lease attached.

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

-For answers to all questions, see rider attached.-

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.
15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.
22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

(Name of company)	By [signature] (Signature of authorized official)
5/29/57 (Date)	Ingomar Paulsen (Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

1. Partnership.

2. Robert Ritchie, 196 North Sierra Avenue, Fontana, California.
Ingomar Paulsen, P. O. Box 134, Etiwanda, California.

3. Does not apply.

4. Applicant Robert Ritchie has been actively engaged in the general practice of Law for the past 17 years and has had occasion to become familiar with business and legal phases of mining operations during that period. Ingomar Paulsen, who will be actively supervising the exploration project, has for the past 10 years been actively prospecting and has made an intensive study of mineral identification, both physical and chemical, geology and practical application of mining and exploratory procedure.

5. Lessees.

6. None against either fee title or lease interest.

7. Copy of lease attached. Now in good standing.

8. Question seems to apply to applicants actively engaged in mining operations. These applicants are not now so engaged. However, recent financial statement of Robert Ritchie is attached. Ingomar Paulsen is now employed with the Pacific Electric Railway Company on a salary and owns a Jeep, a gasoline portable rock breaker and miscellaneous small mining tools which he employs in exploration work. He expects his present employment to terminate in July or August of this year.

9. Applicants are prepared to invest sufficient cash as required to make up deficiency, if any, between contributions of time and equipment by applicants according to Section 9 of Mineral Order No. 5.

10. (a) See legal description on lease hereto attached. Approximately 1000 acres.

(b) Portion upon which exploration is to be conducted is pegmatite out crop as shown in attached photographs. Survey providing legal description of out crop is not available but will be obtained and submitted if essential.

11. None.

12. Out crop located approximately three miles northeast of Lakeview, California. Nearest railroad and rail shipping point is Hemet, California, which is approximately 8 miles to the east. There is approximately one-half mile dirt road to hard-surfaced highway.

13. Unlimited water supply within 200 yards.

14. None.

15. Truck or rail shipping facilities readily available. Size of tantalum, bismuth and beryl found to date indicates hand-sorting. Also, larger mica books indicate hand-sorting. Smaller books can be processed by most feasible system.

16. (a) Approximately 40 years ago falspar had been mined but due to falling prices operations were apparently suspended. There has been no further discovery or exploration until recently by applicants. Discovery was made by applicant Ingomar Paulsen during routine prospecting and checking of pegmatite.

(b) None available.

(c) None except enclosed information and result of applicants' examination.

17 (a) Does not apply.

18. Does not apply. Worked for falspar 40 years.

19. Unusual size of pegmatite. Extra large extent of mica-bearing area. Unusually large amounts of albite falspar (see photographs attached).

20. Expect to locate bodies of tantalum, bismuth or beryl. It is desired to explore out cropping to determine extent of commercial mica.

21. It is proposed to remove overburden in order to explore pockets of tantalum, bismuth and beryl and the extent of strategic mica. It is estimated that full exploration will require approximately one year.

22. Out crop is in pegmatite belt of Southern California. It is unique because of its immense size and diversity of minerals. Removal of approximately 300 cubic feet of earth has produced over 100 pounds of beryl, 15 pounds of tantalite (specific gravity 8) plus at least one ton of muscovite mica,, (See samples of tantalite and beryl enclosed), also 6 ounces of pure bismuth mineral. Geological maps, assays, etc. are not available at this time because of short time between recent discovery and expiration date of Defense Production Act of 1950. Lease was executed on May 25, 1951. Such data will be available at an early date.

23. (a) 2 general miners, one year - $7,000.00
1 air compressor jack hammer man, one year - 4,000.00
Equipment operator, one year - 4,500.00

(b) Supervising foreman - 5,500.00
Clerical, management and legal - 7,000.00

(c) None

(d) Building approximately 15 ft. x 20 ft. for storage, records and miscellaneous use - 2,000.00

(Continued on Page 3).

Robert Ritchie, 196 N.Sierra, Fontana, Cal.
Ingomar Paulsen, P.O.Box 134, Etiwanda, Cal.

23. (Continued from page 2.)

(e) Bulldozer (D-4) equipment -	5,500.00
Skip loader blade, etc. -	3,000.00
Air Compressor -	2,000.00
Jack hammer and hose -	500.00
(f) None.	
(g) Rental Jeep one year -	1,000.00
Rental of portable gasoline rock breaker, one year -	450.00
(h) Dynamite drill steels, drill bits, gasoline, fuel oil, etc. - one year -	3,000.00
(i) None.	
	$45,450.00

Note: The above calculations are based on estimates and may be subject to some revision, depending upon conditions and prices at the time the work is done.

Robert Ritchie, 196 N.Sierra, Fontana,Cal.
Ingomar Paulsen,P.O.Box 134, Etiwanda,Cal.

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MINING LEASE

THIS INDENTURE made this 25th day of May, 1951, between JOHN V. MOTTE AND EVELYN MOTTE, his wife, and CHARLES L. MOTTE AND OTTIE MAE MOTTE, his wife, parties of the first part, and ROBERT RITCHIE and INGOMAR PAULSEN, parties of the second part,

W I T N E S S E T H :

That the said parties of the first part for and in consideration of the covenants and agreements hereinafter contained on the part of the said parties of the second part and of One Dollar ($1.00) in hand paid to the Parties of the first part, receipt whereof is hereby acknowledged, do hereby grant and convey unto the parties of the second part, their heirs, executors, administrators and assigns the right of entering in and upon the lands hereinafter described with necessary appurtenances for the purpose of searching for mineral substances and of conducting mining operations to any extent they may deem advisable for a term of ten (10) years from the date hereof. The said lands are situated in the County of Riverside, State of California, described as follows:

> Those parcels of land more particularly described in the judgment quieting title after default in action No. 48962, entitled Motte vs. McLaughlin et al, heretofore filed in the Superior Court of the State of California, in and for the County of Riverside, which judgment was filed for record on March 16, 1950, in Book 1156, Page 318, Official Records of Riverside County, California, excepting therefrom all of the aforesaid property which is tillable in the discretion of the first parties, the lessors.
>
> This grant shall include a right of way described as follows:
>
> Beginning at the point of intersection of county road and Warren Avenue; thence in a northeasterly direction on Warren Avenue to the northeast corner of the Northwest Quarter of Section 21, Township 4S, Range 2W to the point of access to the property subject to this lease. This right of way shall be only for the purpose of ingress and egress and shall be in a direct line from the point of access to the property of the mining operation of the second parties and shall be used in such a manner as to cause the smallest amount of damage to the agricultural crops grown upon the property by the first parties.

ROBERT RITCHIE
ATTORNEY AT LAW
196 N. SIERRA
FONTANA, CALIFORNIA

Said parties of the second part covenant that they, their heirs, and assigns will pay or cause to be paid to the parties of the first part, their heirs or assigns, a sum equivalent to ten (10%) percent of the gross sale price of all marketable minerals removed up to the sum of Six Hundred ($600.00) Dollars/per month, and thereafter fifteen (15%) percent on any sums in excess of Six Hundred ($600.00) Dollars per month; all the payments to be made on the 15th day of each month for minerals removed during the preceding month.

The parties of the second part agree to keep such records as may be necessary to show the minerals removed and their value, and the parties of the first part shall have the right to inspect such records at any time.

If no minerals be mined within a period of ten (10) years then this lease and everything contained herein shall terminate and be forever null and void.

The parties of the second part agree to indemnify and hold harmless the parties of the first part from any or all liability or damages to persons or property occasioned or in any way arising out of the operations contemplated hereunder, and further agree to carry such insurance at their own expense as may be required to adequately protect said first parties, together with Workmen's Compensation as required; further, that the second parties will comply with all laws, rules, regulations or ordinances in any way appertaining to said operations.

This document is intended as a lease and all payments hereunder shall be construed as rental. The relationship between the parties of the first and second part is that of landlord and tenant and not a partnership, joint enterprise, or otherwise.

At the termination of this lease the parties of the second part agree to leave the property in such condition so that it will not be a hazard or an attractive nuisance.

ROBERT RITCHIE
ATTORNEY AT LAW
196 N. SIERRA
FONTANA, CALIFORNIA

STATE OF CALIFORNIA,

County of San Bernardino } ss.

ON THIS 25 day of May, A.D., 1951, before me, the undersigned a Notary Public in and for said County and State, personally appeared Robert Ritchie and Ingomar Paulsen, known to me, to be the person s whose name s are subscribed to the within Instrument, and acknowledged to me that t he y executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

(s) Carlton R. Schueta

Notary Public in and for said County and State.

ACKNOWLEDGMENT — GENERAL — WOLCOTTS FORM 233

STATE OF CALIFORNIA,

County of Riverside } ss.

ON THIS 25 day of May A.D., 1951, before me, Mary B. Kennedy a Notary Public in and for said County and State, personally appeared Charles L. Motte, Ottie Mae Motte, John V. Motte and Evelyn Motte, known to me, Mary B. Kennedy to be the person s whose name s are subscribed to the within Instrument, and acknowledged to me that t he y executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

(s) Mary B. Kennedy

Notary Public in and for said County and State.

ACKNOWLEDGMENT — GENERAL — WOLCOTTS FORM 233

IN WITNESS WHEREOF the said parties have subscribed their hands and seals the day and year above written.

(s) Charles L. Motte
Party of the First Part

(s) Ottie Mae Motte
Party of the First Part

(s) John V. Motte
Party of the First Part

(s) Evelyn Motte
Party of the First Part

(s) Robert Ritchie
Party of the Second Part

(s) Ingomar Paulsen
Party of the Second Part

ROBERT RITCHIE

196 North Sierra Avenue
Fontana, California

STATEMENT OF FINANCIAL CONDITION
December 31, 1950

ASSETS

Checking Account, Bank of America, Fontana	$ 223,62
Checking Account, Citizens Bank, Rialto	791.46
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Office Furniture and Equipment	2,000.00
Securities (100 Shares P. Lorillard common stock)	2,250.00
1946 Plymouth Sedan	750.00
1949 Plymouth Coupe	1,250.00
Real Estate:	
Residence (2733 Fremontia, San Bernardino, Calif.)	14,000.00
Investment (Business Lot, Nuevo and Seville, Fontana, California)	14,000.00
Total Assets	$40,486.90

LIABILITIES

Note Payable - Citizens Bank, Rialto, California	$ 500.00
Deed of Trust - Prudential Life Insurance Co. (on Residence)	4,841.95
Deed of Trust - Fontana Farms Company (on Investment Lot)	2,500.00
Total Liabilities	7,841.95
Net Worth	32,644.95
Total	$40,486.90

Footnotes: (1) Securities are at market value; furniture, equipment, autos, and real estate at estimated fair market values.

(2) Payments; Receivable: 2 Trust Deeds $100.00 monthly.
Payable: Prudential Insurance Co. $38.25 monthly.
Fontana Farms Company $250.00 semi-annually.

Exhibit A

ROBERT RITCHIE

196 North Sierra Avenue
Fontana, California

STATEMENT OF FINANCIAL CONDITION
December 31, 1950

ASSETS

Checking Account, Bank of America, Fontana	$ 223,62
Checking Account, Citizens Bank, Rialto	791.46
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Note Payable - Citizens Bank, Rialto, California	$ 500.00
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(2) Payments; Receivable: 2 Trust Deeds $100.00 monthly.
Payable: Prudential Insurance Co. $38.25 monthly.
Fontana Farms Company $250.00 semi-annually.

Exhibit A

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 5 - 1951
LANDON F. STROBEL
Executive Secretary

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. dma 1588 X

Date received 6-5-51

Participation

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
MAY 31 1951
SAN FRANCISCO, CALIFORNIA

Robert Ritchie
Ingomar Paulsen
196 N. Sierra Ave.
Fontana, California

Name and address of applicant

Date May 29, 1951

FILL IN THIS BLOCK

Date of application May 29, 1951

Estimated cost $45,450.00

Mineral or metal Muscovite Mica, tantalite, beryl.

Percentage of Government participation 90

Location of mine Approximately 3 miles northeast of Lakeview, Calif., Hemet area. For legal description, see lease attached.

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

-For answers to all questions, see rider attached.-

*1. Is applicant an individual, partnership, or corporation?

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.

*5. Are you the owner or the lessee of the property?

6. If owner, state what claims, liens, or encumbrances, if any, are against the property.

7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.
15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.
22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

(Name of company)	By Robert Peterson (Signature of authorized official)
5/29/51 (Date)	Sergeant Paulsen (Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

1. Partnership.

2. Robert Ritchie, 196 North Sierra Avenue, Fontana, California.
Ingomar Paulsen, P. O. Box 134, Etiwanda, California.

3. Does not apply.

4. Applicant Robert Ritchie has been actively engaged in the general practice of Law for the past 17 years and has had occasion to become familiar with business and legal phases of mining operations during that period. Ingomar Paulsen, who will be actively supervising the exploration project, has for the past 10 years been actively prospecting and has made an intensive study of mineral identification, both physical and chemical, geology and practical application of mining and exploratory procedure.

5. Lessees.

6. None against either fee title or lease interest.

7. Copy of lease attached. Now in good standing.

8. Question seems to apply to applicants actively engaged in mining operations. These applicants are not now so engaged. However, recent financial statement of Robert Ritchie is attached. Ingomar Paulsen is now employed with the Pacific Electric Railway Company on a salary and owns a Jeep, a gasoline portable rock breaker and miscellaneous small mining tools which he employs in exploration work. He expects his present employment to terminate in July or August of this year.

9. Applicants are prepared to invest sufficient cash as required to make up deficiency, if any, between contributions of time and equipment by applicants according to Section 9 of Mineral Order No. 5.

10. (a) See legal description on lease hereto attached. Approximately 1000 acres.

(b) Portion upon which exploration is to be conducted is pegmatite out crop as shown in attached photographs. Survey providing legal description of out crop is not available but will be obtained and submitted if essential.

11. None.

12. Out crop located approximately three miles ~~nort~~ south heast of Lakeview, California. Nearest railroad and rail shipping point is Hemet, California, which is approximately 8 miles to the east. There is approximately one-half mile dirt road to hard-surfaced highway.

13. Unlimited water supply within 200 yards.

14. None.

15. Truck or rail shipping facilities readily available. Size of tantalum, bismuth and beryl found to date indicates hand-sorting. Also, larger mica books indicate hand-sorting. Smaller books can be processed by most feasible system.

16. (a) Approximately 40 years ago feldspar had been mined but due to falling prices operations were apparently suspended. There has been no further discovery or exploration until recently by applicants. Discovery was made by applicant Ingomar Paulsen during routine prospecting and checking of pegmatite.

(b) None available.

(c) None except enclosed information and result of applicants' examination.

17 (a) Does not apply.

18. Does not apply. Worked for feldspar 40 years.

19. Unusual size of pegmatite. Extra large extent of mica-bearing area. Unusually large amounts of albite falspar (see photographs attached).

20. Expect to locate bodies of tantalum, bismuth or beryl. It is desired to explore out cropping to determine extent of commercial mica.

21. It is proposed to remove overburden in order to explore pockets of tantalum, bismuth and beryl and the extent of strategic mica. It is estimated that full exploration will require approximately one year.

22. Out crop is in pegmatite belt of Southern California. It is unique because of its immense size and diversity of minerals. Removal of approximately 300 cubic feet of earth has produced over 100 pounds of beryl, 15 pounds of tantalite (specific gravity 8) plus at least one ton of muscovite mica,, (See samples of tantalite and beryl enclosed), also 6 ounces of pure bismuth mineral. Geological maps, assays, etc. are not available at this time because of short time between recent discovery and expiration date of Defense Production Act of 1950. Lease was executed on May 25, 1951. Such data will be available at an early date.

23. (a)

2 general miners, one year -	$7,000.00
1 air compressor jack hammer man, one year -	4,000.00
Equipment operator, one year -	4,500.00

(b)

Supervising foreman -	5,500.00
Clerical, management and legal -	7,000.00

(c) None

(d)

Building approximately 15 ft. x 20 ft. for storage, records and miscellaneous use -	2,000.00

(Continued on Page 3).

Robert Ritchie, 196 N.Sierra, Fontana, Cal.
Ingomar Paulsen, P.O.Box 134, Etiwanda, Cal.

23. (Continued from page 2.)

(e) Bulldozer (D-4) equipment -	5,500.00
Skip loader blade, etc. -	3,000.00
Air Compressor -	2,000.00
Jack hammer and hose -	500.00
(f) None.	
(g) Rental Jeep one year -	1,000.00
Rental of portable gasoline rock breaker, one year -	450.00
(h) Dynamite drill steels, drill bits, gasoline, fuel oil, etc. - one year -	3,000.00
(i) None.	
	$45,450.00

Note: The above calculations are based on estimates and may be subject to some revision, depending upon conditions and prices at the time the work is done.

Robert Ritchie, 196 N.Sierra, Fontana,Cal.
Ingomar Paulsen,P.O.Box 134, Etiwanda,Cal.

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MINING LEASE

THIS INDENTURE made this 25th day of May, 1951, between JOHN V. MOTTE AND EVELYN MOTTE, his wife, and CHARLES L. MOTTE AND OTTIE MAE MOTTE, his wife, parties of the first part, and ROBERT RITCHIE and INGOMAR PAULSEN, parties of the second part,

W I T N E S S E T H :

That the said parties of the first part for and in consideration of the covenants and agreements hereinafter contained on the part of the said parties of the second part and of One Dollar ($1.00) in hand paid to the Parties of the first part, receipt whereof is hereby acknowledged, do hereby grant and convey unto the parties of the second part, their heirs, executors, administrators and assigns the right of entering in and upon the lands hereinafter described with necessary appurtenances for the purpose of searching for mineral substances and of conducting mining operations to any extent they may deem advisable for a term of ten (10) years from the date hereof. The said lands are situated in the County of Riverside, State of California, described as follows:

> Those parcels of land more particularly described in the judgment quieting title after default in action No. 48962, entitled Motte vs. McLaughlin et al, heretofore filed in the Superior Court of the State of California, in and for the County of Riverside, which judgment was filed for record on March 16, 1950, in Book 1156, Page 318, Official Records of Riverside County, California, excepting therefrom all of the aforesaid property which is tillable in the discretion of the first parties, the lessors.
>
> This grant shall include a right of way described as follows:
>
> Beginning at the point of intersection of county road and Warren Avenue; thence in a northeasterly direction on Warren Avenue to the northeast corner of the Northwest Quarter of Section 21, Township 4S, Range 2W to the point of access to the property subject to this lease. This right of way shall be only for the purpose of ingress and egress and shall be in a direct line from the point of access to the property of the mining operation of the second parties and shall be used in such a manner as to cause the smallest amount of damage to the agricultural crops grown upon the property by the first parties.

ROBERT RITCHIE
ATTORNEY AT LAW
196 N. SIERRA
FONTANA, CALIFORNIA

Said parties of the second part covenant that they, their heirs, and assigns will pay or cause to be paid to the parties of the first part, their heirs or assigns, a sum equivalent to ten (10%) percent of the gross sale price of all marketable minerals removed up to the sum of Six Hundred ($600.00) Dollars/minerals removed per month, and thereafter fifteen (15%) percent on any sums in excess of Six Hundred ($600.00) Dollars per month; all the payments to be made on the 15th day of each month for minerals removed during the preceding month.

The parties of the second part agree to keep such records as may be necessary to show the minerals removed and their value, and the parties of the first part shall have the right to inspect such records at any time.

If no minerals be mined within a period of ten (10) years then this lease and everything contained herein shall terminate and be forever null and void.

The parties of the second part agree to indemnify and hold harmless the parties of the first part from any or all liability or damages to persons or property occasioned or in any way arising out of the operations contemplated hereunder, and further agree to carry such insurance at their own expense as may be required to adequately protect said first parties, together with Workmen's Compensation as required; further, that the second parties will comply with all laws, rules, regulations or ordinances in any way appertaining to said operations.

This document is intended as a lease and all payments hereunder shall be construed as rental. The relationship between the parties of the first and second part is that of landlord and tenant and not a partnership, joint enterprise, or otherwise.

At the termination of this lease the parties of the second part agree to leave the property in such condition so that it will not be a hazard or an attractive nuisance.

ROBERT RITCHIE
ATTORNEY AT LAW
196 N. SIERRA
FONTANA, CALIFORNIA

STATE OF CALIFORNIA,

County of San Bernardino } ss.

ON THIS 25 day of May, A.D., 1951, before me, the undersigned a Notary Public in and for said County and State, personally appeared Robert Ritchie and Ingomar Faulsen, known to me, to be the person s whose name s are subscribed to the within Instrument, and acknowledged to me that the y executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

(s) Carlton R. Schuetz

Notary Public in and for said County and State.

ACKNOWLEDGMENT — GENERAL — WOLCOTTS FORM 233

STATE OF CALIFORNIA,

County of Riverside } ss.

ON THIS 25 day of May, A.D., 19 51, before me, Mary B. Kennedy a Notary Public in and for said County and State, personally appeared Charles L. Motte, Ottie Mae Motte, John V. Motte and Evelyn Motte, Mary B. Kennedy, known to me, to be the person s whose name s are subscribed to the within Instrument, and acknowledged to me that the y executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

(s) Mary B. Kennedy

Notary Public in and for said County and State.

ACKNOWLEDGMENT — GENERAL — WOLCOTTS FORM 233

IN WITNESS WHEREOF the said parties have subscribed their hands and seals the day and year above written.

(s) Charles L. Motte
Party of the First Part

(s) Ottie Mae Motte
Party of the First Part

(s) John V. Motte
Party of the First Part

(s) Evelyn Motte
Party of the First Part

(s) Robert Ritchie
Party of the Second Part

(s) Ingomar Paulsen
Party of the Second Part

ROBERT RITCHIE
ATTORNEY AT LAW
196 N. SIERRA
FONTANA, CALIFORNIA

ROBERT RITCHIE

196 North Sierra Avenue
Fontana, California

STATEMENT OF FINANCIAL CONDITION
December 31, 1950

ASSETS

Checking Account, Bank of America, Fontana	$ 223,62
Checking Account, Citizens Bank, Rialto	791.46
Notes Receivable (2 First Trust Deeds)	5,221.82
Office Furniture and Equipment	2,000.00
Securities (100 Shares P. Lorillard common stock)	2,250.00
1946 Plymouth Sedan	750.00
1949 Plymouth Coupe	1,250.00
Real Estate:	
Residence (2733 Fremontia, San Bernardino, Calif.)	14,000.00
Investment (Business Lot, Nuevo and Seville, Fontana, California)	14,000.00
Total Assets	$40,486.90

LIABILITIES

Note Payable - Citizens Bank, Rialto, California	$ 500.00
Deed of Trust - Prudential Life Insurance Co. (on Residence)	4,841.95
Deed of Trust - Fontana Farms Company (on Investment Lot)	2,500.00
Total Liabilities	7,841.95
Net Worth	32,644.95
Total	$40,486.90

Footnotes: (1) Securities are at market value; furniture, equipment, autos, and real estate at estimated fair market values.

(2) Payments; Receivable: 2 Trust Deeds $100.00 monthly.
Payable: Prudential Insurance Co. $38.25 monthly.
Fontana Farms Company $250.00 semi-annually.

Exhibit A

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF MINES

FERRY BUILDING, SAN FRANCISCO 11

LABORATORY REPORT April 23, 1951

Mr. Robert Ritchie
196 N. Sierra Avenue
Fontana, California

No. E 3596

Dear Mr. Ritchie:

This is to acknowledge your letter of April 18, 1951.

The sample submitted for determination has been examined and found to be muscovite (potassium, aluminum silicate).

If this material can be economically mined, and is near transportation, it would be of commercial value.

We are enclosing a list of possible buyers who might be interested in this type of mica.

Yours very truly,

OLAF P. JENKINS,
CHIEF, DIVISION OF MINES

By Geo. L. Gary
Geo. L. Gary
Mineral Technologist

GLG:dh

Encl.

15896 9-49 5M DUP SPO

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 5 - 1951
LANDON F. STROBEL
Executive Secretary

Refer to	Noted	Date
Answered		

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

6/21/51

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
JUN 27 1951
SAN FRANCISCO, CALIFORNIA

Mr. H.C. Miller
1415 Appraisers Building
San Francisco, Calf.

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Applicant Robert Rictchie and Ingomar Paulsen, 196 N. Sierra Ave., Fontana, California

Docket No. DMA-1588X

Commodity Mica, Tantalite, Beryl.

Amount $ 45,500.

Please expedite the consideration of this application with particular reference to the points raised in the attached "Review".

Very truly yours,

Tom Lyon

Tom Lyon, Chairman
Coordinating Committee

Lowell B. Moon
For Bureau of Mines

Edwin T. McKnight
For Geological Survey

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA 1588X

Commodity Mica, tantalite, beryl

Total Amount $45,450.00

Govt. Participation 90%

1. Name and Address of Applicant Robert Ritchie & Ingomar Paulsen
196 N. Sierra Ave.; Fontana, California

2. Location of Property 3 miles northeast of Lakeview, Riverside County
California

3. Mineral or metal Mica, tantalite, beryl Is it listed in Section 9 of MO-5? Yes
[illegible]

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good [illegible]

b) Poor [illegible]

c) None [illegible]

d) Don't know—needs field examination Yes - field examination 6/22/51

e) Is there an alternative and favorable project? _____
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? Yes

Does the lease have sufficient time to run to cover a future productive period? Yes - 10 yr.

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes

a) MF-201? —

b) MF-202 Not attached

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower Probably Yes

b) Equipment and supplies Yes
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Yes

d) Water (question 13)* Yes

e) Power (question 13)* Not stated - probably use gasoline or diesel engines

Is a field check needed on any of these points?

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* Yes - one partner.

Is a field check needed on this point? Yes

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? No - too indefinite.

If not, are there sufficient data given so that you can describe the project? No If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? No

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? Yes

If not, what part of it is? The stripping is exploration but location of work not adequately described.

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed? No

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? No If so, attach a draft.

e) Are the cost estimates reasonable? None given

f) Should more information be requested from applicant? Yes - by field team

g) Is a field examination necessary to complete Exhibit A? Yes

11. Exhibit B (question 23-d)*

a) Is it applicable? Yes

b) If so, are sufficient data furnished? Yes If so, attach a draft.

c) Is a field check needed? Yes - costs estimated high.

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? Yes

b) Sufficient data? No If so, attach a draft.

c) Are rents and charges reasonable? Costs should be checked & possibility of rentals investigated

d) Is a field check needed? Yes

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? N

b) Is the schedule adequate for the work proposed? Yes

c) Is the schedule excessive for the work proposed? probably Yes

d) Are the proposed wages and salaries reasonable? Labor - OK; Supervisory & No

e) Is a field check needed? Yes — clerical, management & legal not allowable

14. Exhibit E (question 23-c)*

a) Is it applicable? No - no facilities on property

b) Sufficient data? —

c) Reasonable? —

d) Field check needed? No

15. In your judgment, can the proposed work be done in the proposed time? No definite program given

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Check general conditions, geology & occurrence of beryl, mica &c. Specimens of beryl & tantalite submitted are promising, mica only scrap. See if prohibited or only by careful search.

Reviewed by: [illegible]

[illegible] USGS 6/20/51

Date 6/19/51

97692

6/19/81

Docket No. DIA 1588 X

Section 10. Exhibit A.

The project is only described as removal of "overburden in order to explore pockets of tantalum, bismuth, and beryl and the extent of strategic mica." The beryl & tantalum samples submitted are of good quality but no description of them or nature of sampling is given. The mica submitted is not strategic & would only be usable as scrap. The field team should check the occurrence of these minerals.

No map accompanies the application so that the amount of over burden & "pitting" work is unknown. No cost estimates are given & merely the statement that the exploration will require about one year. For exploration this is too long a period — 6 months should do the job.

Section 11 Exhibit B.

Protection & security of tools & equipment will be necessary but building specified is probably too elaborate & the cost high. This also should be checked by the field team

Section 12 Exhibit "C"

The bulldozer can probably be rented to better advantage than purchased & the need of a "skip loader blade" (whatever that may be) is not indicated. A compressor & drill will be needed ~~but~~ of small size but whether the price quoted is sufficient cannot be said here. The field team should ascertain the local market — Los Angeles — conditions & the size equipment needed for the job. The

6/19

DM 1588 X

Section 12 Exhibit C (cont)

possibility of renting this equipment should be investigated as the exploration should not require a bulldozer for a very long period.

The need for a rock breaker in the exploration is questionable & the Jeep rental is high - (it is owned by one of the partners)

Section 13 Exhibit D

For the program as has as outlined the list of labor appears large but may possibly be needed. The salary specified for the supervisor is somewhat high unless he is also going to look after equipment or operate it. The remarks given for "General, management & legal" is not needed for an exploration program & are not allowable.

Section 14 Exhibit E

No facilities or structures are on the property so no repairs or rehabilitation work are needed.

Section 16 - Recommendations

The samples submitted with this application are favorable so that the field team should investigate the area involved. The team should check the program proposed & determine whether the exploration work is proper & sufficient for the problem. It appears that more hard rock work will be needed than as suggested & just where the break off from exploration to production should be

Section 16 - Recommendations (cont)

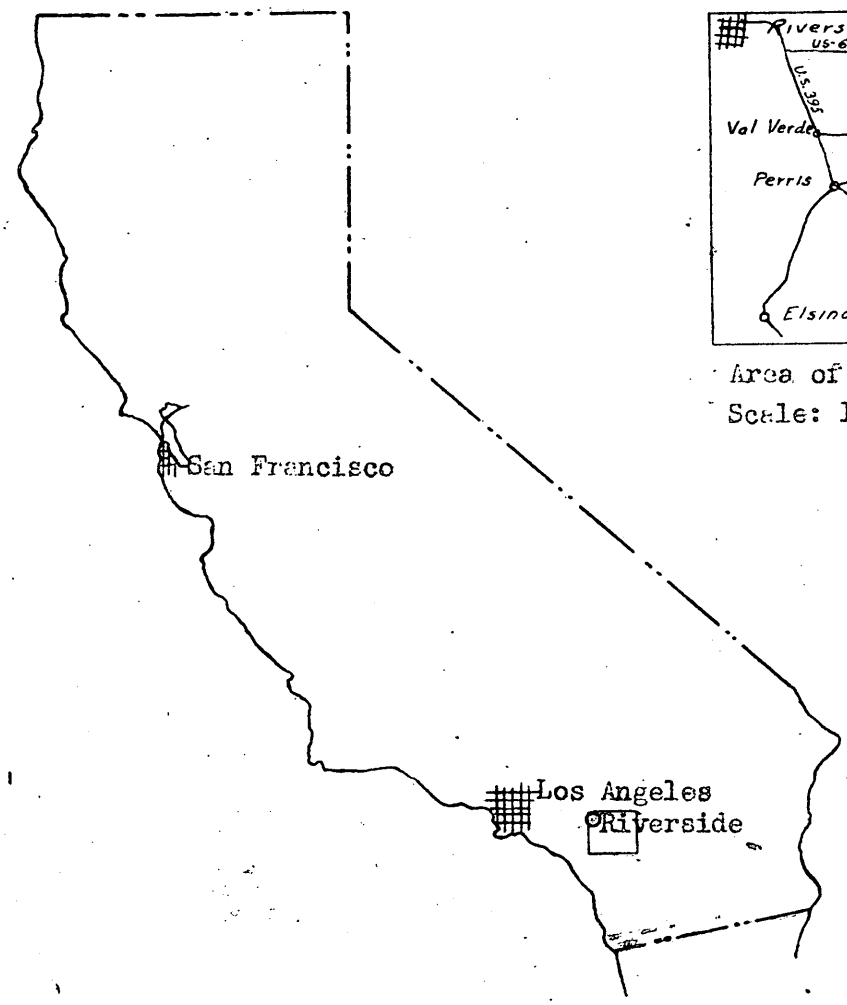
discussed with the applicant & the distinction between the two types explained.

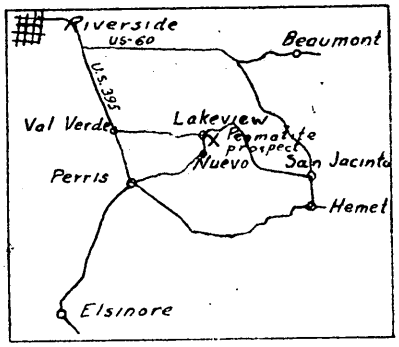
The equipment to be secured should be discussed on the basis of need, purchase & rental. Costs of the various items should be studied in the light of Southern California conditions.

Labor needs & wage rates should also be discussed & the restrictions put on exploration personnel explained.

Figure 1

Outline map of California showing the location of the Ritchie and Paulsen pegmatite prospect near Lakeview, Riverside County, Calif.





Area of small rectangle.
Scale: 1 inch=16 miles.

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

DMA-1588x

(BERYL, MICA)

C. M. Swinney, July 1951

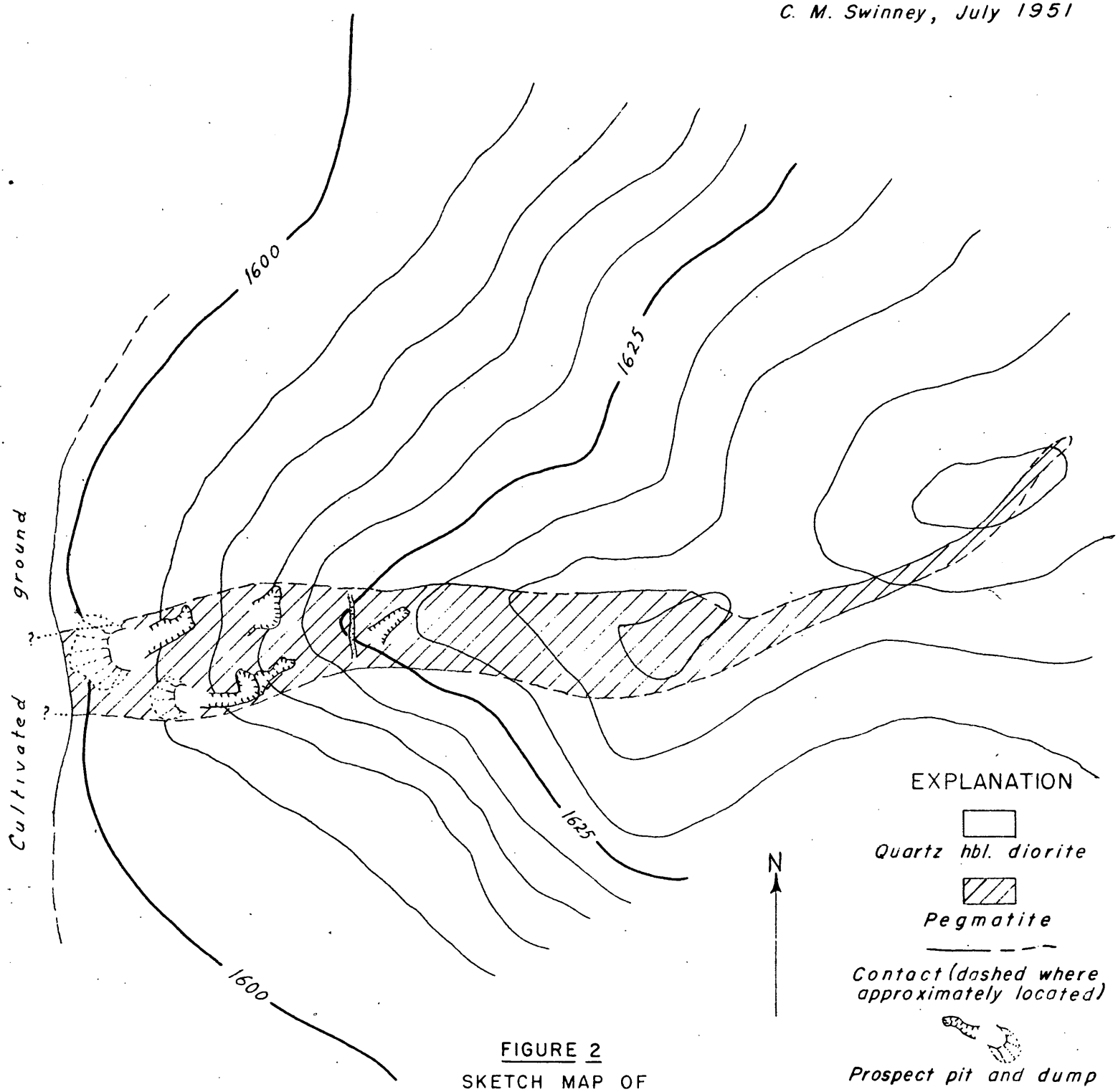


FIGURE 2

SKETCH MAP OF

PEGMATITE PROSPECT, RIVERSIDE COUNTY, CALIFORNIA

RITCHIE AND PAULSEN LEASE

0 50 100 150 200 Feet

Compass and pace control.

Datum assumed.

dma 1588X

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Region III

1415 Appraisers Bldg.
630 Sansome Street
San Francisco 11, Calif.

May 31, 1951

Memorandum

To: Defense Minerals Administration, Washington, D. C.

From: Executive Officer, DMA Field Team, Region III

Subject: Application for Aid for an Exploration Project

The attached application was received in this office on May 31, 1951.

Applicant: Robert Ritchie
Ingomar Paulsen
196 N. Sierra Ave.
Fontana, California

Date of Application: May 29, 1951

Estimated Cost: $45,450.00

Mineral or Metal: Muscovite Mica, tantalite, Beryl.

Percentage of Government Participation: 90%

Location of Mine: Approxmately 3 miles northeast of Lakeview, Calif. Hemet area. For legal description, see lease attached.

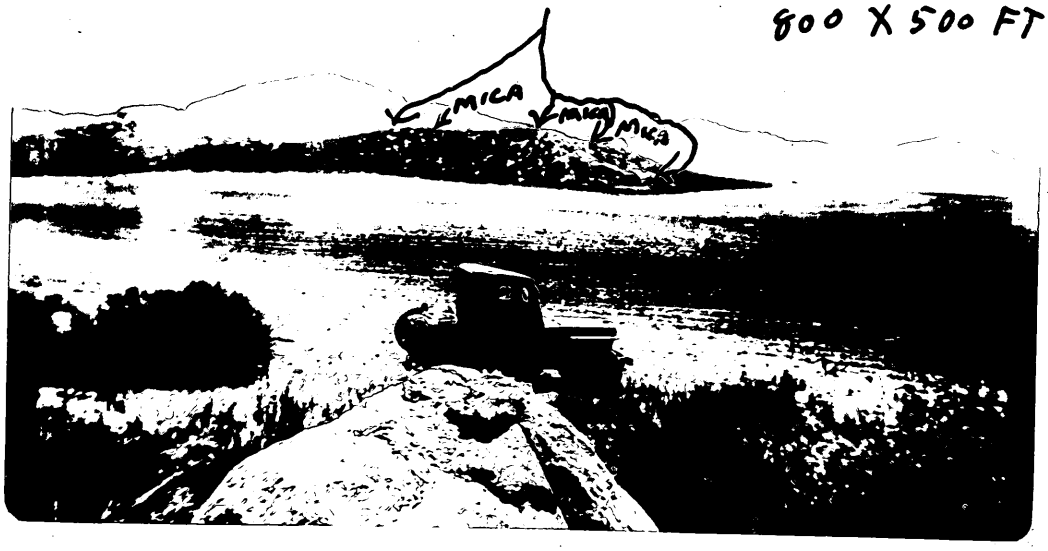
H. C. Miller
Executive Officer, DMA Field Team
Region III

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 5 - 1951
LANDON F. STROBEL
Executive Secretary

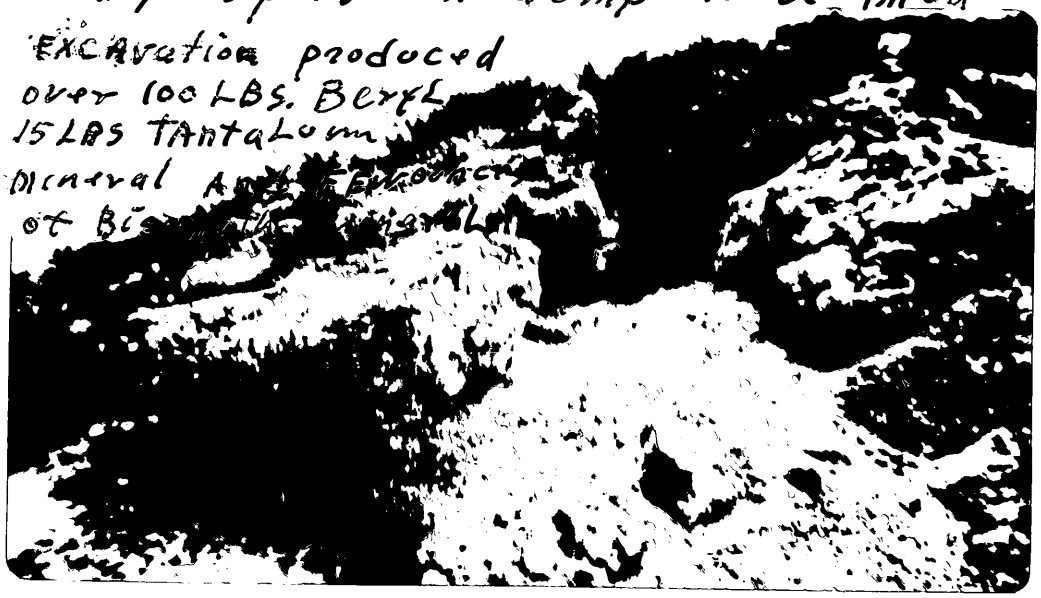
From near top of Pegmatite out crop

Pegmatite Out Crop

Knoll About 800 X 500 FT



light spots on dump Loose mica



EXCAVation produced
over 100 LBS. Beryl
15 LBS TAntaLum
Mineral A[illegible] EXtractio[illegible]
of Bi[illegible]