DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm-E NO._____ DMEA NO. 4904

Application
- [x] Denied
- [ ] Withdrawn

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

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

Folder No. 1:

Left Side

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

Right Side

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

All other material filed in chronological order including the following reports if checked:

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [x] On-site Exam Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No._____: Reports

- [ ] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

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

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

Folders No._____: Settlement Sheets

Folders No._____: Drill Logs

Folders No._____: Royalty material

17963

MF-103
(Revised April 1952)

RECEIVED DEC 24 1957 D.M.E.A.

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. DMEA-4904
Metal or Mineral Beryl, Mica, Columbium
Date Received 12/23/57
Estimated Cost $38,341.00
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Messrs. Ray O. Burch and George A. Wirz, 2712-42nd Street, Lubbock, Texas. George A. Wirz, 2615-45 Street, Lubbock, Texas.

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

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

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Township-20 & 21 N. Range- 10 & 11 E. Santa Fe & Rio Arriba Countys, Santa Fe National Forest. New Mexico Sections-5-6-31-36 (Rockin Chair Claims 1 thru 19 inclusive)

(*b*) State any mine name by which the property is known.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Locator (½) one half interest.

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it 2½% overriding royalty to Kindom Uranium Company. 10% Net royalty to Raymond Hogan.

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

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

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

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

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

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

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore beryl, Mica-(Strategic), Columbium.

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within 30 days and be completed within 5 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

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

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

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

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)?

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated December 19, 1957, 1957

George A. Wirz
(Applicant)

By Roy O. Barnes

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

APPLICATION

1. (a) Messrs. Ray O. Burch and George A. Wirz, 2712-42nd Street, Lubbock, Texas.

(d) George A. Wirz, 2615-45th Street, Lubbock, Texas.

3. (c) Messrs Wirz and I are the owners of the Rockin Chair Property, each partner owns a (½) interest in the property. Raymond Hogan and I were the original locators. George Wirz purchased his (½) interest from Mr. Hogan.

(e) Kindom Uranium Company, holds a (2½%) overriding royalty. Raymond Hogan retains a (10%) net royalty.

(f)

NAME	LOCATION DATE	BOOK	PAGE	COUNTY
Rockin Chair Claims				
No. 1 " "	4/19/55 " "	101 " "	488	Santa Fe
No. 2 " "	4/19/55 " "	101 " "	489	"
No. 3 " "	4/19/55 " "	101 " "	490	"
No. 4 " "	4/19/55 " "	101 " "	491	"
No. 5 " "	4/19/55 " "	105 " "	114	"
No. 6 " "	4/19/55 " "	21 " "	368	Rio Arriba
No. 7 " "	4/19/55 " "	21 " "	369	"
No. 8 " "	4/19/55 " "	21 " "	369	"
No. 9 " "	4/19/55 " "	21 " "	370	"
No. 10 " "	4/19/55 " "	21 " "	370	"
No. 11 " "	4/19/55 " "	21 " "	371	"
No. 12 " "	4/19/55 " "	101 " "	492	Santa Fe
No. 13 # "	5/11/55 " "	104 " "	192	"
No. 14 " "	5/11/55 " "	104 " "	190	"
No. 15 " "	5/11/55 " "	104 " "	188	"
No. 16 " "	5/11/55 " "	104 " "	189	"
No. 17 " "	5/11/55 " "	104 " "	191	"
No. 18 " "	5/11/55 " "	105 " "	116	"
No. 19 " "	5/19/55 " "	105 " "	118	"

4. (a) Work Performed May 28 thru June 13, 1957
July 13 thru July 20, 1957
Oct. 11 thru Oct. 18, 1957
Nov. 14 thru Nov. 19, 1957

Mr. Wirz and I furnished the expenses for exploration work performed in the months listed above, I, Ray Burch, have been in charge of work that has been accomplished on the property, since 1955.

Exploration work performed in the monthsabove included the cross-cutting of a dike to a depth of eighteen feet and thirteen feet in width by twenty feet in length. A second dike was worked by bull-dozer stripping to remove theover-burden, a cross-cut was worked to a depth of five feet by thirteen feet in width by eighteen feet in length. A third dike was pit worked to a depth of five feet by five feet in width by eight feet in length. A fourth dikewas pit worked in the months listed above to a depth of six feet by four feet in width by seven feet in length.

Work Performed On Dikes as follows:

Dike No. 1 - drilling and blasting, with bulldozer removing loose material.
Dike No. 2 - bulldozer stripping, drilling and blasting.
Dike No. 3 - drilling andblasting.
Dike No. 4 - drilling and blasting.

In the year of 1956 very little exploration work was performed, otherwise the work pertained to the proving of our claims.
During the year of 1955 three small pits were worked out, anda fourth was trenched out to a depth of seven feet by six feet in width and fourteen feet in length.

There are accessible roads to all exploration work performed on the Rockin Chair Claims. A jeep or pick-up is advisable in traveling these roads.

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(b) There has been no past or current production. All work performed up to this time has been exploration operations and the proving of our claims. Without finding massive beryl, we have in our exploration work found beryl that assayed from I.% BeO content up to I2.46%. During the year of I955 twelve hunderd lbs. of high grade blue beryl crystals in large size was recovered, also during the year of I956 beryl crystals and columbium in small quantities was discovered. During the recent months of I957 some blueish-green masses of beryl formed into a conglomerated formation with mica was discovered, one hunderd lbs. was obtained from this find. The total amount of beryl recovered in I957: 200lbs. columbium 20 lbs., mica-sheet and block size, approximately 2,000 lbs.

(c) The Rockin Chair property, consists mostly of good structural pegmatite dikes. Containing quartz, feldspar-orthoclase, tourmaline, mica, beryl, and columbium. The dikes are principally composed of quartz and feldspar; although some dikes on the Rockin Chair claims have formed into granite gneiss or metamorphosed granite formations. Mr. wirz and I have every reason to believe that additional exploration with further and extensive work will prove meritorious, especially beryl and mica. It appears to be logic that beryl and other minerals of value that have been discovered would indicate further and extensive exploration work. Refer to maps for further geologic features.

(d) The Rockin Chair property is approximately twelve miles east of Espanola, New Mexico by way of pavement to Cordova, and four miles by forest road. Santa Fe, New Mexico is the nearest railroad, a distance of fourty one miles. The average supplies can be obtained at Santa Fe, otherwise Albuquerque, N. M., a distance of one hunderd miles.

(e) Availabilty of manpower is no problem; Cordova, New Mexico can furnish the necessary laborers needed. Engineering and geological assistance can be furnished from Santa Fe, or Albuquerque, New Mexico. We do not have any materials that would be essential to an exploration project. We do have available supplies and equipment, by rent or purchase. Sufficient water is available at a distance of five miles from our property. A power line can be acquried from Cordova, if needed.

5.(a) THE EXPLORATION PROJECT: (Beryl, Mica & Columbium)

(b) <u>Claim No. 2</u>
The proposed work includes four claims with a separate working project to apply on each claim or dike located therein. The working project on claim No. 2 will be performed by making a cut from contact to contact zone. I4ft. wide x 30ft. long, x 40ft. deep. Drilling, blasting and bulldozing loose material.

<u>Claim No. 3</u>
The work on this dike is to be performed by trenching a cut parallel to the base or contact zone on the north and inclined side of the dike. Drilling, blasting and bull-dozing a cut: I4ft. wide x 30ft. long x 30ft. deep.

<u>Claim No. 5</u>
The proposed work on this dike pertains to cutting a trench that will be located 40ft. off from the top of the dike and approximately I00ft. up from the base or contact zone. The trench will be cut parallel to the incline on a 45° degree level, by drilling, blasting and bull-dozing a cut: I4ft. wide x 20ft. deep x 50ft. long.

<u>Claim No. I4</u>
A cross-cut to intersect both contact points is proposed in working this dike. To be worked by bull-dozer stripping , drilling, blasting and bull-dozing loose material: I4ft. wide x 30ft. deep x 40ft. long. (Refer to map No. 2) for sketches and location of the proposed work.

CORE DRILLING: (To be sub-contracted)
To drill and core-test 20 holes averaging 70 ft. per hole.
10-holes to be core-drilled On claim No. I.
10-holes to be core-drilled on claim No. 3

(c) The work will start within (30) days and be completed within (5) months from the date of an exploration project contract.

(d) I, Ray O. Burch formerly was a employe for Johnson Mfg Company . I was employed eight years as a layout-man to the assemblage for motorized road machinery, cotton harvest machines and farm equipment. I am familiar and experienced with most all types of machinery and equipment in that respect. During the past three years I have gained a great deal of knowledge achieved from the mining field by actual mining experience. I have devoted a great deal of time in studying the formation of rocks and minerals. Please be advised that I prefer to manage and supervise the operations. In relation to the work of a required geologist or engineer, a technical and experienced man will be furnished to that effect.

7. (a)
Mr wirz and I are prepared to furnish our share of the cost of the proposed project in accordance with the regulations on Government participation: (Sec. 7, DMEA No. 1)

(b)
Mr. Wirz and I propose to furnish our share of the costs by cash, less the deduction of allowance for time and equipment furnished by owners.

ESTIMATE OF COSTS

6.

(a) INDEPENDENT CONTRACTS:
Core Drilling to be sub-contracted according to the estimate of cost below:

To drill and core-test 10 holes per claim for (2) claims	$10,000.00

(BASED ON 5 MONTHS PERIOD)

(b) LABOR, SUPERVISION, CONSULTANTS:

1-General Manager at $500.00 per month	2,500.00
1-Foreman at $450.00 per month	2,250.00
2-Laborers at $288.00 per month each	2,880.00
Engineering & Geological Consultants at location, based on 5 months period at consultant rates	2,500.00
TOTAL LABOR AND SUPERVISION	$10,130.00

(c) OPERATING MATERIALS AND SUPPLIES:

Dynamite	$ 2,000.00
Fuse	950.00
Caps	300.00
Diesel fuel for bulldozer	470.00
Gasoline for air compressor	I,I00.00
Oil	250.00
Gasoline for I958 one-ton pick-up truck	620.00
Water Supply	600.00
Hand Shovels....set of (3)	I5.00
Drill-Steel.....2ft. set of (3)	I5.00
Drill-Steel.....4ft. set of (3)	20.00
Drill-Steel.....6ft. set of (3)	26.00
Drill-Bits.....standard (350)	260.00
Drill-Bits.....cobalt-insert (I0)	I45.00
TOTAL MATERIALS & SUPPLIES	$6,75I.00

(d) OPERATING EQUIPMENT:

I-Diesel Bulldozer (buy) used good condition	$5,000.00
Air Compressor.....(rented)	I,350.00
Air Hammers.(rent).2-75#..	500.00
Air Hose....(rent).....300 ft.	I60.00
1-pickup-Truck furnished by owners...(rental)	1,125.00
TOTAL OPERATING EQUIPMENT	$8,135.00

(e) REHABILITATION AND REPAIRS:

I-Pick-Up Truck....to be used in the project, owned by applicants	$ 275.00

(f) NEW BUILDINGS:

1-Tool house to be built at site	$ 300.00
1-Dynamite magazine	I00.00
	$ 400.00

(g) MISCELLANEOUS:

1-Part time bookkeeper at $40.00 per mo	$ 200.00
Employers liabilities insurance	450.00
Assaying and sampling ore	200.00
Payroll-tax fed. state	700.00
Accountant-part time	300.00
TOTAL MISCELLANEOUS	$I,850.00

(h) CONTINGENCIES:

For repairs and broken parts on bulldozer and air compressor	$ 700.00
For repairs and broken parts on air hammers	I00.00
TOTAL CONTINGENCIES	$ 800.00

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TOTAL COST PROJECT
ESTIMATED FOR ENTIRE PROJECT: $38,341.00

GEO. L. DICKINSON—PRESIDENT
GEO. G. DICKINSON—VICE-PRESIDENT
ROBERT L. DICKINSON—VICE-PRESIDENT
DR. J. A. HANCOCK, PH. D.—CONSULTING CHEMIST

DICKINSON LABORATORIES, INC.

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES
WATER ANALYSIS
PHONE KE 2-9264 & KE 2-3126 — P. O. BOX 7006
1300 WEST MAIN ST. EL PASO, TEXAS

Aug. 9, 1957.

CERTIFICATE OF ASSAY

ASSAYED FOR: Mr. George A. Wirz, **Lab No.** 12554

ADDRESS: Lubbock, Texas.

MARKED: samples for Beryllium Oxide

Gold Ozs. per ton	Silver Ozs. per ton	% Lead	% Copper	% Zinc ~~XXX~~ BeO	% Silica	Effective Units	% Manganese	% Iron
			No. 1	0.39				
			2	0.25				
			3	0.19				

RECEIVED

CHARGES $24.00 Paid. Claim No. 12

ASSAYER

SUBSIDIARIES:
Texas Testing Laboratories • Cottonseed Oils • Physical Testing • Farm Soil Laboratory • Soil and Water Analyses

GEO. L. DICKINSON—PRESIDENT
GEO. G. DICKINSON—VICE-PRESIDENT
ROBERT L. DICKINSON—VICE-PRESIDENT
DR. J. A. HANCOCK, PH. D.—CONSULTING CHEMIST

DICKINSON LABORATORIES, INC.

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES
WATER ANALYSIS
PHONE 3-3413 & 2-9264 — P. O. BOX 7006
1300 WEST MAIN ST. EL PASO, TEXAS

Sept. 21, 1957.

Claim No. 14

CERTIFICATE OF ASSAY

ASSAYED FOR: Mr. George A. Wirz, Lab No. 12862

ADDRESS: Lubbock, Texas.

MARKED: Sample received 9/19 for Beryllium Oxide

Gold Ozs. per ton	Silver Ozs. per ton	% Lead	% Copper	% ~~XXX~~ BeO	% Silica	% Calcium Fluoride	Effective Units	% Manganese	% Iron
				0.36					

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OCT 2 1957
Dallas

Paid.

CHARGES

Geo L Dickinson ASSAYER

SUBSIDIARIES:
Texas Testing Laboratories • Cottonseed Oils • Physical Testing • Farm Service Laboratory • Soil and Water Analyses

GEO. L. DICKINSON—PRESIDENT
GEO. G. DICKINSON—VICE-PRESIDENT
ROBERT L. DICKINSON—VICE-PRESIDENT
DR. J. A. HANCOCK, PH. D.—CONSULTING CHEMIST

DICKINSON LABORATORIES, INC.

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES
WATER ANALYSIS
PHONE 3-3413 & 2-9264 — P. O. BOX 7006
1300 WEST MAIN ST. EL PASO, TEXAS

July 5, 1957.

CERTIFICATE OF ASSAY

ASSAYED FOR: Mr. Ray Burch. Lab No. 12266

ADDRESS: Lubbock, Texas.

MARKED: Sample for BeO

Gold Ozs. per ton	Silver Ozs. per ton	% Lead	% Copper	% ~~Zinc~~ BeO	% Silica	% Calcium Fluoride	Effective Units	% Manganese	% Iron
				2.29					

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Claim No. 2

CHARGES Paid

Geo L Dickinson ASSAYER

SUBSIDIARIES:
Texas Testing Laboratories • Cottonseed Oils • Physical Testing • Farm Service Laboratory • Soil and Water Analyses

GEO. L. DICKINSON—PRESIDENT
GEO. G. DICKINSON—VICE-PRESIDENT
ROBERT L. DICKINSON—VICE-PRESIDENT

DICKINSON LABORATORIES, INC.

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES

P. O. BOX 7006 — PHONE 2-9264

1300 WEST MAIN ST. • EL PASO, TEXAS

Jan 3, 1956 Lab. No. 8193

CERTIFICATE OF ANALYSIS

TO Mr. Ray Burch

2712 42nd St. Lubbock, Tex

Sample of Beryllium Received 12-30-55

Marked chemical analysis for Be.

Be %	
0.14	as BeO 0.39 %

This isn't commercial from a beryllium angle as the market calls for more than 10 % BeO. The material in question is comprised mostly of quartz.

$8.00 Paid

Respectfully submitted,
DICKINSON LABORATORIES, INC.

James L Leasure Chemist

SUBSIDIARIES:
Texas Testing Laboratories • Cottonseed Oils • Physical Testing
Farm Service Laboratory • Soil and Water Analyses

GEO. L. DICKINSON—PRESIDENT
GEO. G. DICKINSON—VICE-PRESIDENT
ROBERT L. DICKINSON—VICE-PRESIDENT

DICKINSON LABORATORIES, INC.

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES

P. O. BOX 7006 — PHONE 2-9264

1300 WEST MAIN ST. • EL PASO, TEXAS

July 6, 1956 **CERTIFICATE OF ANALYSIS** Lab. No. 9641

TO Mr. Ray Burch

Lubbock, Texas.

Sample of Ore Received July 4, 1956

Marked for Beryllium

% Be
0.21

$8.00 Paid

Claim No. 12

Respectfully submitted,
DICKINSON LABORATORIES, INC.
Geo. L. Dickinson
Chemist

SUBSIDIARIES:
Texas Testing Laboratories • Cottonseed Oils • Physical Testing
Farm Service Laboratory • Soil and Water Analyses

GEO. L. DICKINSON
GEO. G. DICKINSON
ROBERT L. DICKINSON

DICKINSON LABORATORIES

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES

P. O. BOX 1145 WATER ANALYSIS PHONE 2-9264

1300 WEST MAIN ST. EL PASO, TEXAS

June 4, 1955. Lab. No. 6894

CERTIFICATE OF ANALYSIS

TO Mr. Ray Burch

Box 42, Cordova, New Mex.

Sample of Ore Received June 1

Marked For Beryllium

% As Be	% As BeO
0.36	1.00

claim no. 2

Charges $8.00 Paid

Respectfully submitted,
DICKINSON LABORATORIES

Geo L Dickinson
Chemist

GEO. L. DICKINSON
GEO. G. DICKINSON
ROBERT L. DICKINSON

DICKINSON LABORATORIES

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JUN - 6 1955

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES

P. O. BOX 1145 WATER ANALYSIS PHONE 2-9264

1300 WEST MAIN ST. EL PASO, TEXAS

April 7, 1955.

CERTIFICATE OF ANALYSIS

Lab. No. 6398

TO Mr. Raymond Hogan, & Ray Burch

Lubbock, Texas.

Sample of Ore Received April 5

Marked For Beryllium

	% Beryllium As Be	% Beryllium As BeO
Sample No. 1	4.57	12.66
" " $\frac{1}{00}$	0.15	0.26

Claim No. 2

Charges $16.00 Paid

Respectfully submitted,
DICKINSON LABORATORIES

Geo L Dickinson Chemist

GENERAL SERVICES ADMINISTRATION
Beryl Purchase Depot
Custer, South Dakota

Four Copies

Auth. No. 6-124 Date

Agent Cashier's Sub-Vou. No. Inv. No. D-155

Lot No. D-155

WARRANTY

The undersigned, a participant in the Beryl Program, warrants that the beryl ore included in this lot is of domestic origin, containing not less than eight percent (8%) beryllium oxide (BeO) by weight, is not material previously owned by the Government, was produced and is owned by the person or firm whose name appears below (herein referred to as "Seller")

ACCESS TO BOOKS AND RECORDS AGREEMENT

The undersigned agrees to permit authorized representatives of the United States Government, during the duration of the Program, and for a period of three (3) years thereafter, to have access to and the right to examine any pertinent books, documents, papers and records of the seller involving transactions related to the Program.

Seller Ray Burch and Raymond Hogan Address Cordova, New Mexico

By Ray Burch Title Seller

EVALUATION AND SETTLEMENT DATA

500 lbs. beryl ore delivered on 8/4/55
BeO content per Report of Analysis - 12.46%
Rate per lb. for 12.46% beryl ore - 31.15¢
500 lbs. X 31.15¢ per lb. - $155.75

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DATE CODE

ACCEPTANCE

Subject to the terms and conditions of the Beryl Regulations, dated October 7, 1952 (17 F.R. 9073), establishing the Government's Purchase Programs for Domestic Beryl Ore, the Government accepts the number of pounds of Beryl Ore (as hereinabove identified), delivered by the seller to the Government for which payment in the amount set forth hereinabove will be made by the Government.

GENERAL SERVICES ADMINISTRATION

By Bernard A. Gira Title Buyer

Bernard A. Gira

SAMPLING AND ANALYSIS CERTIFICATION BY GOVERNMENT REPRESENTATIVE

I hereby certify that I personally took a sample of the Beryl Ore (Hereinabove identified) and personally forwarded said sample to:-

Booth, Garrett & Blair, Philadelphia, Pa.

on 8/5/55 and that the report of analysis, dated 8/19/55

and attached hereto, reflecting a Beryllium Oxide content of 12.46% % is applicable to the Beryl Ore hereinabove identified.

By Bernard A. Gira Title Buyer

Bernard A. Gira

INVOICE

TO: GENERAL SERVICES ADMINISTRATION, Region 6, Kansas City, Missouri

For: Beryl Ore delivered as indicated above $ 155.75

I certify that the above bill is correct and just and that payment therefor has not been received.

Seller Ray Burch & Raymond Hogan Address P. O. Box # 42 Cordova, New Mexico

By Ray Burch Title Seller

RECEIPT FOR CASH PAYMENT

Cash payment of $ received in full payment of this invoice.

By Title

Date

A. H. HOLLAND, PRES.
EDMUND E. PHILLIPS, VICE-PRES.—GEN. MGR.

OUR MOTTO: "WHAT THERE IS IN IT, NO MORE, NO LESS."

M. E. HOLLAND, TREASURER
M. E. PHILLIPS, SECRETARY

THE COLORADO ASSAYING COMPANY

(INCORPORATED)

ASSAYERS AND CHEMISTS

2013 WELTON STREET
DENVER 1, COLORADO

Nov. 19, 1957.

REPORT ON DETERMINATIONS MADE FOR — Mr. Ray O. Burch, Lubbock, Texas.

Claim No. ~~1~~ 2

SAMPLE MARKS	METALS	Amount per Ton Ozs.	Amount per Ton Hds.	PER CENT		Value per Ton Dollars	Value per Ton Cents
#1 Claim No. 2	Beryllium Oxide			6.65%			

GOLD AT _____ PER OUNCE
LEAD AT _____ PER UNIT
$10.00

SILVER AT _____ PER OUNCE
COPPER AT _____ PER UNIT

THE COLORADO ASSAYING COMPANY

By Ed Phillips

A. H. HOLLAND, PRES.-TREAS. EDMUND E. PHILLIPS, VICE-PRES.—GEN. MGR. M. E. HOLLAND, SECRETARY

OUR MOTTO: THAT THERE IS IN IT, NO MORE, NO LESS.

Claim No. 2

THE COLORADO ASSAYING COMPANY, INC.

(INCORPORATED)

ASSAYERS AND CHEMISTS

2013 WELTON STREET

Claim No 2

DENVER 1, COLORADO Jan. 23, 1956.

REPORT ON DETERMINATIONS MADE FOR— Mr. Ray Burch,
Lubbock, Texas.

SAMPLE MARKS	METALS	Amount per Ton Ozs.	Amount per Ton Hds.	PER CENT		Value per Ton Dollars	Value per Ton Cents
Identification							
This sample is chiefly a white Soda Feldspar (sodium potassium calcium aluminum silicate). The hard light green crystals are Beryl (beryllium aluminum silicate). A concentrate of the Beryl crystals will be readily saleable at a price near $400.00 per ton.							
Charges $3.00 Paid							

GOLD AT _____ PER OUNCE SILVER AT _____ PER OUNCE

LEAD AT _____ PER UNIT COPPER AT _____ PER UNIT

THE COLORADO ASSAYING COMPANY

By Ed Phillips

Ex bibl.

A. H. HOLLAND, PRES.
EDMUND E. PHILLIPS, VICE-PRES.—GEN. MGR.

OUR MOTTO:—WHAT THERE IS IN IT, NO MORE, NO LESS.

M. E. HOLLAND, TREASURER
M. E. PHILLIPS, SECRETARY

CLAIM NO. 2

$17.50

THE COLORADO ASSAYING COMPANY

(Incorporated)

COMPLETE ANALYSIS ON ANY ORE $25.00 UP
THIS ANALYSIS WILL DETECT AND REPORT EVERY ELEMENT OR METAL THAT MAY BE PRESENT IN THE ORE, TOGETHER WITH THE PERCENTAGE AND VALUE OF EACH. IT IS THE MOST SATISFACTORY ANALYSIS TO APPLY ON ALL UNKNOWN ORES, WHOSE GENERAL APPEARANCE INDICATES PROBABLE VALUES

FROM CUT IN DIKE

ASSAYERS AND CHEMISTS

2013 WELTON STREET

QUALITATIVE ANALYSIS $5.00
THIS ANALYSIS WILL DETECT AND REPORT THE ABSENCE OR PRESENCE OF THE FOLLOWING 23 METALS: LEAD, SILVER, MERCURY, GOLD, BISMUTH, ARSENIC, ANTIMONY, COPPER, CADMIUM, TIN, ALUMINUM, MANGANESE, COBALT, ZINC, CHROMIUM, STRONTIUM, IRON, NICKEL, BARIUM, CALCIUM, MAGNESIUM, TUNGSTEN AND MOLYBDENUM.

DENVER 1, COLO., Nov. 12, 1957.

Report on Spectrographic Analysis submitted by Mr. Ray Burch, Lubbock, Texas.
Oct. 22,

ELEMENTS PRESENT	APPROXIMATE PERCENTAGES
Columbium	major
Tantalum	15.-20.
Manganese	5.-10.
Silicon	5.
Iron	5.
Aluminum	2.
Calcium	.5
Magnesium	.2
Sodium	.3
Potassium	.3
Titanium	.5-2.
Barium	.001-.01
Beryllium	.001
Copper	.001
Gallium	.001
Hafnium	.001
Lead	.1
Lithium	.001
Strontium	.02
Uranium	.5
Vanadium	.001-.01
Yttrium	.1
Zirconium	.2-.3

Thorium, Rare Earths none detected

Uranium Oxide - 0.403%

REMARKS: This sample is chiefly Columbite,(oxides of columbium, tantalum, manganese, iron, some titanium, uranium, etc.)
A little pale pinkish to white Feldspar (potassium sodium aluminum silicate) hard clear Quartz (silica), and soft white flaky Kaolin (hydrous aluminum silicate) and Mica (complex hydrous potassium aluminum silicate), are present.
This material is most valuable for its Columbium and Tantalum contents.
The Uranium is of additional interest or value.

Respectfully submitted,

THE COLORADO ASSAYING COMPANY

Ed Phillips

RECEIVED
DEC 23 1991
Dallas

A. H. HOLLAND, PRES.
EDMUND E. PHILLIPS, VICE-PRES.—GEN. MGR.

OUR MOTTO:—WHAT THERE IS IN IT, NO MORE, NO LESS.

CLAIM NO. 6

M. E. HOLLAND, TREASURER
M. E. PHILLIPS, SECRETARY

THE COLORADO ASSAYING COMPANY

(Incorporated)

CALCITE DEPOSIT

ASSAYERS AND CHEMISTS

2013 WELTON STREET

COMPLETE ANALYSIS ON ANY ORE $25.00 UP
THIS ANALYSIS WILL DETECT AND REPORT EVERY ELEMENT OR METAL THAT MAY BE PRESENT IN THE ORE, TOGETHER WITH THE PERCENTAGE AND VALUE OF EACH. IT IS THE MOST SATISFACTORY ANALYSIS TO APPLY ON ALL UNKNOWN ORES, WHOSE GENERAL APPEARANCE INDICATES PROBABLE VALUES

QUALITATIVE ANALYSIS $5.00
THIS ANALYSIS WILL DETECT AND REPORT THE ABSENCE OR PRESENCE OF THE FOLLOWING 23 METALS: LEAD, SILVER, MERCURY, GOLD, BISMUTH, ARSENIC, ANTIMONY, COPPER, CADMIUM, TIN, ALUMINUM, MANGANESE, COBALT, ZINC, CHROMIUM, STRONTIUM, IRON, NICKEL, BARIUM, CALCIUM, MAGNESIUM, TUNGSTEN AND MOLYBDENUM.

DENVER 1, COLO., Nov. 27, 1957.

Report on Spectrographic Analysis submitted by Mr. Ray O. Burch, Lubbock, Texas.

* *

"Sample #2"

ELEMENTS PRESENT	APPROXIMATE PERCENTAGES
Silicon	major
Aluminum	15.
Iron	2.
Calcium	5.-10.
Magnesium	.5-1.
Sodium	2.-3.
Potassium	2.-5.
Manganese	.05-.1
Titanium	.2
Barium	.05-.1
Beryllium	.001
Boron	.01
Copper	.001
Gallium	.001
Lithium	trace
Nickel	.001
Rubidium	.001-.01
Strontium	.005
Vanadium	.01
Zirconium	.001-.01

Uranium trace
Thorium, Rare Earths none detected

Gold none, Silver none

- -

REMARKS: This sample is a Granite rock, consisting chiefly of pink Feldspar (potassium sodium calcium aluminum silicate), and hard clear Quartz (silica) with some soft white Calcite (calcium carbonate). The tan stains are due to Iron Oxides. There are no metals or minerals present in sufficient quantity and purity to be of commercial value.

Respectfully submitted,

THE COLORADO ASSAYING CO.

Ed. Phillips

GENERAL SERVICES ADMINISTRATION

Please Return

Region 8
Denver 2, Colorado

November 7, 1957

IN REPLY REFER TO:

DMEA		
RECEIVED DEC 23 1957		
DATE	INITIALS	CODE

CERTIFICATE OF AUTHORIZATION
Purchase Program for Domestic Beryl

Number: 8-243 (Beryl)

Ray O. Burch and George A. Wirz
2712 42nd Street
Lubbock, Texas

Your notice of November 5, 1957 indicating your desire to participate in the Beryl Purchase Program has been received.

You are hereby authorized to deliver to the Government, in accordance with the terms of the program, beryl ore meeting the minimum specifications contained therein from your property located in the Santa Fe National Forest, Santa Fe and Rio Arriba Counties, Section 6, township 20 North, Range 11 East, four miles east of Cordova, New Mexico.

Otto G. Klein
Regional Commissioner

OFFICIAL FILE COPY
DMEA
RECEIVED DEC 23 1957

DATE	INITIALS	CODE

GENERAL SERVICES ADMINISTRATION

Region 8
Denver 2, Colorado

November 7, 1957

IN REPLY REFER TO:

OFFICIAL FILE COPY
DMSA
RECEIVED DEC 23 1957
DATE | INITIALS | CODE

CERTIFICATE OF AUTHORIZATION
Purchase Program for Domestic Mica

Number: 8-529 (Mica)

Ray O. Burch and George A. Wirz
2712 42nd Street
Lubbock, Texas

Your notice of November 5, 1957 indicating your desire to participate in the Mica Purchase Programs "A" and "B" has been received.

You are hereby authorized to deliver to the Government, in accordance with the terms of the program, mica ore meeting the minimum specifications contained therein from your property located in the Santa Fe National Forest, Santa Fe and Rio Arriba Counties, Section 6, Township 20 North, Range 11 East, four miles east of Cordova, New Mexico.

Otto G. Klein
Regional Commissioner

GENERAL SERVICES ADMINISTRATION

Mica Purchasing and Processing Depot
Box 232, Custer, South Dakota

August 22, 1955

Ray Burch and Raymond Hogan
P. O. Box # 42
Cordova, New Mexico

Gentlemen:

Enclosed find an original and 3 copies of Warranty, Acceptance and Invoice covering 500 pounds of beryl ore delivered on 8/4/55.

Please sign the original and 2 copies of the WAI's in the spaces (red checked) and return at your convenience. Either one or both may sign.

The invoice will them be forwarded to our Kansas City office for payment.

Very truly yours,

GENERAL SERVICES ADMINISTRATION
Mica Purchasing and Processing Depot

J. F. McGinness
Depot Superintendent

CEB:erv

Enclosures

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DMCA
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DATE	INITIALS	CODE

U. S. Government Messenger Envelope

Standard Form No. 65 (Rev. 1/46)

1. Use blocks consecutively, one at a
2. Void previous block.
3. Write clearly.

NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM		NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM	
~~Mrs. McDaniel~~, Payroll, Room 1328 ~~Interior~~ Building	RUN / STOP		RUN / STOP
~~MR ALVAR A HONKA~~ G & P BRANCH RM. 1244 G.S.A.	RUN / STOP		RUN / STOP
L. Patten – ~~Room 4242~~	RUN / STOP		RUN / STOP
~~Mr. Lozinsky~~	RUN / STOP		RUN / STOP
~~B. B. Jones~~ ~~Room 4240~~	RUN / STOP		RUN / STOP
Edith Foreign	RUN / STOP		RUN / STOP
~~Mr Lazanakee~~ Rm. 5218, ~~Interior Bldg~~	RUN / STOP		RUN / STOP
~~Ann Winterbottom~~ ~~5012 Interior~~	RUN / STOP		RUN / STOP
E. W. Ellis, O.M.E.A., Room 4445 Interior	RUN / STOP		RUN / STOP
	RUN / STOP		RUN / STOP

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DMEA Form 7
(12-56)

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Date	Surname	Code
6/23	Anderson	600
6/27	Houk	600
		110
		100
		220

600

June 23, 1958

Memorandum

To: Mr. C. O. Mittendorf, Administrator

From: L. G. Houk, Director, Division of Nonmetallic Minerals

Subject: Evaluation of application and field examination report.
Docket No. DMEA-4904-Beryl-Mica-Columbite-Tantalite
Ray O. Burch and George A. Wirz
Rockin Chair Claims
Santa Fe and Rio Arriba Counties,
New Mexico

Denial of application is recommended.

Minerals: No significant reserves of beryl, mica, and columbite-tantalite are present in the pegmatite that intrudes schist.

Pegmatite: The rocks in the area of the Rockin Chair Claims are schists and gneisses of the Precambrian age that have been intruded by granite and pegmatite. The pegmatites are coarse grained consisting of quartz, feldspars, and muscovite.

Workings: Trenching on each of the Rockin Chair Claims, Nos. 2,3, and 14, and some drilling and blasting. Few showings of beryl, a small amount of mica produced, and no columbite-tantalite.

Applicant's Proposal:
Bulldoze 4 trenches averaging 14 feet wide by 40 feet long by 30 feet deep.
Drill and core-test 20 holes averaging 70 feet deep.

Amount Requested: $38,341.00

Comments: The field examiner's report that the reserves of beryl, strategic mica, and columbite-tantalite in the pegmatite dikes on the Rockin Chair Claims are not significant. However, minor amounts of these minerals could be recovered as by-products if the deposits could be worked for scrap mica.

Recommendations: The Division of Nonmetallic Minerals and the Commodity Members of the Bureau of Mines and Geological Survey concur in the Field Team's recommendation for denial of the subject application.

Walter C. Anderson
Walter C. Anderson
Division of Nonmetallic Minerals

WCAnderson:rsi 6/23/58
Copy to: Admr. R. File Mr. Houk

8623

DMEA Form 7
(12-56)

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Date	Surname	Code
6/23	Anderson	600
6/23	Houk	600
6/25	Lefbridge	130
6/25	Lamb	130
6/25	Kiilsgaard	130
"	Johnson	110
"	Anderson	100
		220

600

JUN 25 1958

Messrs. Ray C. Burch
and George A. Wirz
2712-42nd Street
Lubbock, Texas

Re: Docket No. DMEA-4904-Beryl,
Mica and Columbium
Ray C. Burch and George A. Wirz
Rockin Chair Claims
Santa Fe and Rio Arriba Counties,
New Mexico

Gentlemen:

Your application for aid for an exploration project and other reports available to us in Washington relating to the subject property have been reviewed.

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

Careful study of all our information indicates to us that the probability of disclosing significant reserves of beryl, mica or columbium is not sufficiently promising to justify Government participation. We regret to advise you, that under these circumstances, your application for exploration assistance is denied.

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

WCAnderson:rsi 6/23/58
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Field Team, Region III
Mr. Houk
Mr. Eilertsen, 3649

8623

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923 C 220
600

IN REPLY REFER TO:

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

June 20, 1958
Re: DMEA 4904
Ray O. Burch & Geo. A. Wirz
Rockin Chair Claims
Santa Fe and Rio Arriba Co's., N.M.
$38,341 - Beryl, Mica, Columbium

Memorandum

To: L. G. Houk, Defense Minerals Exploration Administration

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

Subject: Review of Field Team Report

The applicants requested assistance in exploring, by trenching and diamond drilling, pegmatite dikes in Precambrian schist, presumed to contain worthwhile amounts of beryl, mica, and columbium.

The examiners conclude that "the reserves of beryl, strategic grade mica, and columbite-tantalite, in the dikes are not significant," and recommend that the application be denied.

Numerous cuts and pits have been excavated and on Rockin Chair No. 2 claim a 60 to 80-foot east-west dike has been crosscut by a rock trench that gives a good cross section of the pegmatite. From about 600 tons of excavated material, 750 lbs. of beryl (approx.) was recovered according to the applicant. As the mica and columbite-tantalite content are likewise of no significance in this and other places where the pegmatite has been exposed by scraping, the conclusion of the examiners is justified.

I concur with their recommendation that the application be denied.

N. E. Nelson

N. E. Nelson

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DATE	INITIALS	COST
6/18	J.J.	225
		600

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

Date: June 17, 1958

DMEA Docket No. 4904
DMA Contract No. --
Commodity Beryl
Name of Applicant Roy O. Burch & George A. Wirz
Name of Property Rockin Chair Claims
Location of property Santa Fe & Rio Arriba Counties, New Mexico
Estimated cost of project $38,341

Memorandum

To: Lawrence G. Houk, Chief, Non-Metallic Mineral Division DMEA, Room 4453

From: Donald E. Eilertsen, Commodity Specialist (Beryllium) Branch of Rare and Precious Metals

Subject: Review of Joint Report of Examination
(Application, Hold Tag Report, etc.)

1. Date of subject document: June 9, 1958 Date received by reviewer: June 17, 1958

3. Prior reports on this property known to reviewer: Yes [x] No [ ]

4. Prior reports on nearby properties known to reviewer: Yes [ ] No [x]

5. Information available on past production: Yes [x] No [ ]

6. Other pertinent factors known to reviewer: Yes [ ] No [x]

7. Explain items marked "yes" above:

8. Factors meriting special consideration:

a. Location [ ]
b. Ownership [ ]
c. Evidence of mineralization [ ]
d. Geology [ ]
e. Proposed exploration method [ ]
f. Alternate exploration method [ ]
g. Costs
h. [ ]

9. Action advised:

a. Obtain information from applicant [ ]
b. Refer to Hold Tag [ ]
c. Hold [x]
d. Agree with Hold Tag [x]
e. Discuss with Hold Tag [ ]
f. Suggest alternate plan [ ]
g. Request another examination [ ]
h. Approval [ ]
i. Consult with Mr. [ ]

(Over)

10. Remarks (on back of page if necessary)

Over

2. A previous application, DMEA Docket No. 3895, by Ray Hogan and Ray Burch for proposed work totaling $257,711.00 on the Rockin Chair Group of Claims was denied in 1955.

5. According to the Review of Examination Report DMEA Docket No. 3895, about 600 pounds of beryl was obtained from 120 tons of pegmatite.

9 c and d. I agree with the field team that this application be denied because the reserves of beryl are considered unimportant.

Donald E. Eilertsen

DMEA
DEPARTMENT OF THE INTERIOR

JUN 6 - 1958
REGION III
DENVER, COLORADO

MINERAL DEPOSITS
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JUN 6 1958
U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

Box 4126 University Station
Tucson, Arizona

4/16 JHB 130
220

June 4, 1958

Memorandum

To: W. H. King, Executive Officer, DMEA Field Team, Region III

From: T. M. Romslo
W. L. Emerick Through: E. N. Harshman

Subject: Docket No. DMEA-4904 (Beryl, Mica, Columbium)
Ray O. Burch and George A. Wirz
(Rockin Chair claims)
Santa Fe and Rio Arriba Counties, New Mexico

Enclosed are the original and 8 copies of a joint field examination report on the above subject property, recommending denial of the application for Government aid in exploration.

Also enclosed is the Routing Control Sheet for the Bureau of Mines copy of the application which is being retained in the Tucson office, and the Bureau copy of report of examination on DMEA-3895.

The Survey copy of the application is being returned to Mr. Harshman's office.

Original signed by
T. M. Romslo

T. M. Romslo
U. S. Bureau of Mines

W L Emerick

W. L. Emerick
U. S. Geological Survey

cc: W. H. King (8)
E. N. Harshman
DMEA/TUC
W. L. Emerick

TRANSMITTED

JUN 9 1958

Recorded by
DMEA
4-16-58

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado
June 9, 1958

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DATE	INITIALS	CODE
6/12	C	220
6/16	2/13	130
6/17	C	220
		600

Memorandum

To: Secretary to the Operating Committee

From: Alternate Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4904 (Beryl-Mica-Columbium) Ray O. Burch and George A. Wirz (Rockin Chair claims) Santa Fe and Rio Arriba Counties, New Mexico - Joint Report of Examination

Enclosed are the original and two copies of a Joint Report of Examination on the subject property by T. M. Romslo, USBM, and W. L. Emerick, USGS.

The field examiners conclude that the reserves of beryl, strategic grade mica and columbite-tantalite in the pegmatite dikes on the Rockin Chair claims are not significant. However, minor amounts of these minerals could be recovered as by-products if the deposits could be worked for scrap mica.

The field examiners recommend that the application be denied and we concur in this recommendation.

J. W. Townsend

J. W. Townsend

On-site Exam Rpt

Reviewed by
DMEA OPERATING COMMITTEE
6-16-58
(date)

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DATE	INITIALS	CODE
6/16	24B	130
		220

FOR GOVERNMENT USE ONLY

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

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

TRANSMITTED
JUN 9 1958

DMEA-4904 (Beryl, Mica, Columbium)

Ray O. Burch and George A. Wirz (Rockin Chair Claims)

Santa Fe and Rio Arriba Counties, New Mexico

W. L. Emerick, Geologist
U. S. Geological Survey

T. M. Romslo, Mining Engineer
U. S. Geological Survey

June 1958

Reviewed by
DMEA OPERATING COMMITTEE
6-16-58
(date)

DMEA-4904 (BERYL, MICA, COLUMBIUM)
RAY O. BURCH AND GEORGE A. WIRZ (ROCKIN CHAIR CLAIMS)
SANTA FE AND RIO ARRIBA COUNTIES, NEW MEXICO

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SUMMARY AND RECOMMENDATION	1
LOCATION, ACCESSIBILITY AND LOCAL FACILITIES	2
PROPERTY	3
History and Production	3
Extent and Ownership of the Property	4
Present status	5
GEOLOGY	5
ORE RESERVES	10

ILLUSTRATIONS

Figure		
1. Location and claim map	following page	2
2. Sketch of Geology & Workings, Rockin Chair No. 2 claim	" "	6
3. Sketch of Geology & Workings, Rockin Chair No. 3 claim	" "	8
4. Sketch of Geology & Workings, Rockin Chair No. 14 claim	" "	9

INTRODUCTION

Ray O. Burch and George A. Wirz of Lubbock, Texas applied to the Defense Minerals Exploration Administration for aid in exploration for beryl, mica, and columbium on their Rockin Chair claims in Rio Arriba and Santa Fe Counties, New Mexico. The application was received and assigned docket number DMEA-4904, December 23, 1957. It was reviewed by Commodity Specialists and forwarded by the Operating Committee to the Field Team, Region III for field investigations and recommendations.

The claims were examined for the Field Team May 14, 1958, shortly after they were clear of snow, by W. L. Emerick, geologist, U. S. Geological Survey, and T. M. Romslo, mining engineer, U. S. Bureau of Mines. They were accompanied by owners of the claims, Messrs. Burch and Wirz.

SUMMARY AND RECOMMENDATION

The beryl, mica, and columbite-tantalite occur in pegmatite that intrudes schist.

No significant reserves of the three minerals are present on the property.

The applicant proposed exploratory work that comprised the excavation and sampling of an open cut on each of 4 claims and the diamond drilling of ten 70-foot holes on each of 2 claims. The total cost of the work was estimated at $38,341.00.

The field examiners conclude that the reserves of beryl, strategic grade mica and columbite-tantalite in the pegmatite dikes on the Rockin Chair claims are not significant. However, minor amounts of these minerals could be recovered as by-products if the deposits could be worked for scrap mica.

The field examiners recommend denial of the application.

LOCATION, ACCESSIBILITY, AND LOCAL FACILITIES

The Rockin Chair group of claims are in the Santa Fe National Forest at about 20 air-miles northeast of Santa Fe, New Mexico. They are situated in sec. 6, T. 20 N., R. 11 E., Santa Fe County, New Mexico and sec. 31, T. 21 N., R. 11 E. and sec. 36, T. 21 N., R. 10 E., Rio Arriba County, New Mexico (fig. 1).

The claims may be reached from Santa Fe by driving 24 miles north on U. S. Highway 285 to the town of Espanola and thence about 10 miles easterly on State Highway 76 to the village of Cordova. A southeasterly trending Forest Service road that fords the Rio Quemado at Cordova is then followed for 5.2 miles to its junction with an access road to the claims. The access road, of bulldozer construction, forks abruptly to the left and reaches the northeast corner of the Rockin Chair claim No. 14 at 0.4 mile from the junction. It continues on to the several prospect workings.

The Forest Service road from Cordova to the claims can be traveled by passenger automobiles except during the winter and early spring when mud or snow restricts travel to trucks and 4-wheel drive vehicles.

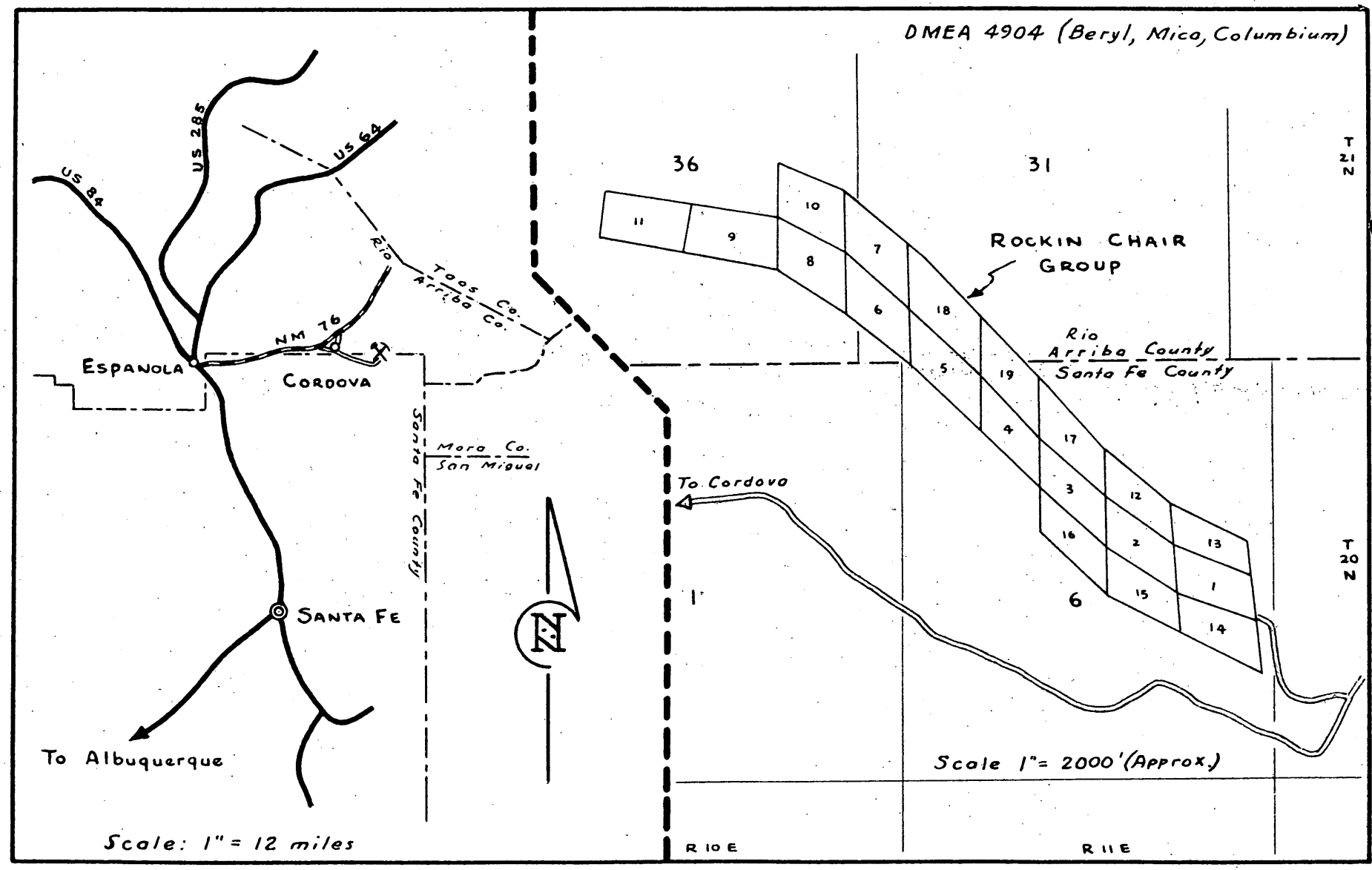

Fig. 1 Location & claim map, R.O. Burch & G.A. Wirz
Santa Fe & Rio Arriba, Counties, New Mexico

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RECEIVED JUN 12 1958

DATE	INITIALS	CODE

The Rockin Chair claims are at a mean altitude of about 7,900 feet on the western slope of the Sangre de Cristo Mountains. They extend northwesterly from Borrego Mesa along an area of gently rolling to moderately rugged terrain. Relief on the claims is in the order of about 600 feet.

Drainage is northwesterly to the Rio del Quemado, a perennial stream.

Vegetation consists mainly of forage grasses and pine trees, some of which are suitable for mine timbers.

Summers are mild and winters are not severe.

Annual precipitation of about 30 inches occurs mainly as heavy rainstorms in the summer and heavy snowfalls during the winter and early spring.

PROPERTY

History and Production

The pegmatite dikes of the Rockin Chair claims have undoubtedly been known for many years prior to 1955, when they were first worked, as they crop out strongly in a readily accessible area.

The operations of 1955 were conducted from May to the end of July by Raymond Hogan and Ray Burch. They comprised the bulldozing of access roads and an open cut on the Rockin Chair No. 2 claim and the sinking of shallow pits on some of the other claims. Production for the period was confined to 2 tons of scrap mica and about 600 pounds of beryl. The mica was sold to the Santa Fe Mining Co., Santa Fe, New Mexico, for $30.00 per ton, and 500 pounds of the beryl was shipped to the Government buying station at Custer, S. D. Gross receipts from the lot of beryl that averaged 12.46 BeO were $150.75.

Subsequent operations were intermittent and were confined to a total of about 3 months during the summers of 1956 and 1957. They were conducted by Ray Burch and 1 to 3 helpers. Additional roads were built, a few pits were sunk, and the open cut on the Rockin Chair No. 2 claim was enlarged. Production from these operations was confined to about 1 ton of mica of all grades, 150 pounds of beryl and 20 pounds of columbite. None of these minerals were marketed but an approximately 5-pound sample of the highest quality mica was selected from a few hundred pounds of hand-sorted "book" mica and sent to the Custer buying station for classification. Some of the mica was found to be of strategic grade.

Extent and Ownership of the Property

The property comprises a group of 19 unpatented lode mining claims, Rockin Chair Nos. 1 to 19 (fig. 1).

Rockin Chair claims nos. 1 through 12 were located by George Lopez and Silvianita T. Lopez, his wife; Fred Cordova and Lena O. Cordova, his wife; Ricardo Lopez and Benita R. Lopez, his wife; Eurjencio Lopez and Orlinda Lopez, his wife; Christobal Ortiz and Sabinita L. Ortiz, his wife; and Melaguias Romero, a single person, on April 18, 1955, and were recorded at their respective County courthouses April 10, 1955. Six of the other 19 claims, Rockin Chair nos. 13 to 19, were located by Ray O. Burch and Raymond Hogan May 10, 1955, and were recorded at the Santa Fe County courthouse May 11, 1955. Messrs. Burch and Hogan also located the Rockin Chair claim No. 19 on May 18, 1955, and recorded it at the same courthouse May 19, 1955.

Messrs. Burch and Hogan executed an option agreement to purchase the Rockin Chair claims Nos. 1 through 12 from the locators April 21, 1955, and each acquired a 1/2 interest in the claims by a Quitclaim Deed dated May 11, 1955. Mr. Hogan transferred his 1/2 interest in the claim to George A. Wirz during May 1957.

According to Messrs. Burch and Wirz, encumbrances on the claims are confined to royal rights of 10 percent and 2-1/2 percent that are held by Raymond Hogan and the Kindom Uranium Company, respectively.

Present status

The property is presently inactive. There is no mining or milling equipment on the property.

GEOLOGY

For a generalized description of the rocks in the area of the applicant's Rockin Chair claims, the statement in an earlier report by McMillan and McLaren[1/] is essentially true. It says:

> "The rocks in the area of the Rockin Chair claims are schists and gneisses of Precambrian age that have been intruded by granite and pegmatite."

1/ McMillan, W. D., and McLaren, D. R., Field examination report, DMEA-3895, August 30, 1955.

The pegmatites examined on the applicant's Rockin Chair claims intrude mica schists and have trends ranging from approximately east-west to northwest. Other pegmatites in the area may trend in different directions. The dips of the pegmatites were indeterminate but probably are steeply-dipping to vertical.

The overall texture of the pegmatites is extremely coarse grained but it was found that in places a coarser texture prevailed on one side of the pegmatite than on the other. One pegmatite showed graphic intergrowth of the quartz and feldspars on one contact side, in this case on the side opposite a coarser texture.

The dominant minerals of the pegmatite aggregate are quartz, feldspars and muscovite. McMillan and McLaren[2/] recognized two zones -- an outer or wall zone and a core zone -- in the pegmatite on the Rockin Chair No. 2 claims (Fig. 2) and estimated the component minerals in the two zones of the pegmatite to be approximately 30 to 35 percent quartz respectively, 10 to 23 percent albite respectively, 27 to 50 percent microcline perthite respectively, and 5 to 8 percent muscovite respectively. These estimations with local variations can probably be applied to most of the pegmatites in the area.

There were few showings of beryl, either as small pockets or as crystals, and no columbite-tantalite was observed.

2/ Op. Cit., 1955.

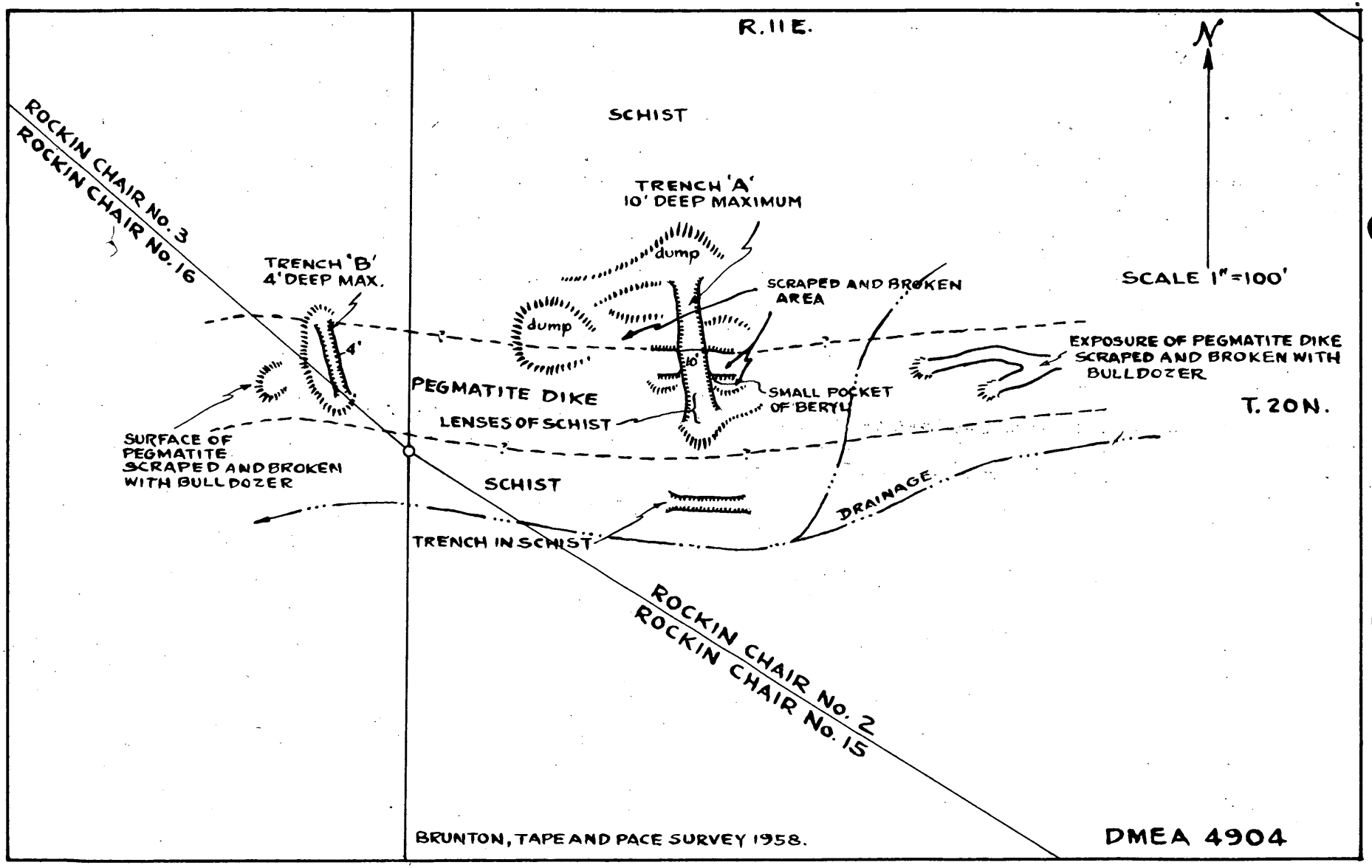

FIGURE 2.-SKETCH OF GEOLOGY AND WORKINGS, ROCKIN CHAIR No. 2 CLAIM, RAY O. BURCH AND GEORGE A. WIRZ (ROCKIN CHAIR CLAIMS), SANTA FE AND RIO ARRIBA COUNTIES, NEW MEXICO.

Rockin Chair No. 2 claim

The pegmatite dike on the Rockin Chair No. 2 claim (Fig. 2) is 60 to 80 feet wide and has approximately an east-west trend. The dip is indeterminate but is believed to be nearly vertical. The pegmatite is exposed for several hundred feet along its trend.

The pegmatite on the claim has been developed by trenching across the width and by shallow scraping and breaking of the surface by bulldozer. The principal working on the claim is a trench (Trench A, Fig. 2) about 100 feet long by about 10 feet wide and 10 feet deep that cuts across the north schist-pegmatite contact. An extremely coarse texture persists in the pegmatite from the contact for 10 to 15 feet southward. Beyond this extremely coarse-textured zone southward the pegmatite texture approximates that of a coarse-grained granite. Two or three closely-spaced lenses of schist were noted in the floor of the trench (Fig. 2). The south contact of the pegmatite is covered but lies somewhere north of a trench dug in the schist (Fig. 2).

Quartz and feldspars compose the bulk of the minerals exposed in Trench A, with mica probably representing about 10 percent of the total composition where most heavily concentrated. The mica ranges from flake size to irregular books up to 3 inches square. The book mica represents only a small fraction of the total mica present. Most of the mica is heavily stained, striated and contains other imperfections. Furthermore, the small percentage of book mica that could be of strategic grade seldom has a rectangular area in excess of 3 square inches.

Only one pocket, or remnant, of beryl was seen in Trench A. In this pocket the applicant stated a beryl crystal 5 feet long by 10 inches in diameter was recovered. The 1955 report[3] estimated 600 pounds of beryl had been produced from 100 tons of pegmatite from this trench. With enlargement of the trench by the applicant since 1955, it is estimated that about 600 tons of pegmatite have been excavated. The applicant stated that 750 pounds of beryl was recovered, which would include the 600 pounds of the 1955 report. The production figure indicates that the beryl content of the rock is insignificant.

Columbite-tantalite is not significant in the pegmatite inasmuch as none was observed and only a few small crystals have reportedly been found at widely scattered locations.

The findings in a small trench (Trench B, Fig. 2) about 200 feet west of Trench A, and in shallow bulldozer scrapings of the pegmatite outcrop about 200 feet east of Trench A, appeared to be less significant than shown in Trench A.

Rockin Chair No. 3 claim

Major work performed by the applicant on the Rockin Chair No.3 claim (Fig. 3) consists of a trench and some drilling and blasting. The trench was bulldozed in schist along the north contact of a 50-60 foot wide east-west trending pegmatite dike having a probable vertical dip. The pegmatite can be traced several hundred feet east but is mostly covered to the west. The south contact locally forms a 20- to 25-foot cliff face on which the applicant did some drilling and blasting to expose fresh rock.

3/ Op. cit., 1955.

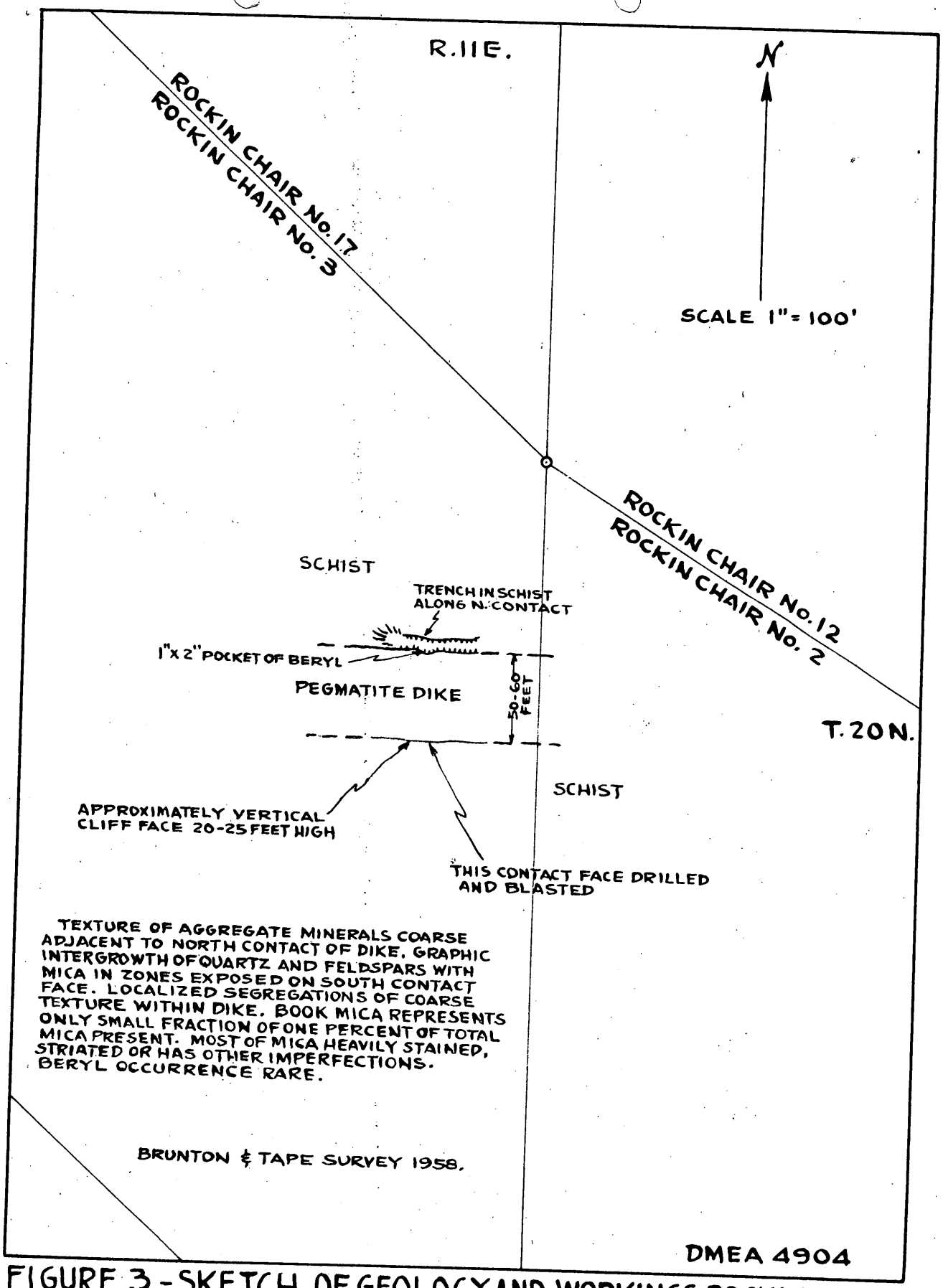

FIGURE 3.-SKETCH OF GEOLOGY AND WORKINGS, ROCKIN CHAIR No. 3 CLAIM, RAY O. BURCH & GEORGE A. WIRZ (ROCKIN CHAIR CLAIMS), SANTA FE & RIO ARRIBA COS., N. MEXICO.

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DMEA
RECEIVED JUN 12 1958

One small pocket of beryl about 1" x 2" was uncovered along the north contact, and several small pockets of book mica of essentially the same grade as found on the Rockin Chair No. 2 claim also occur along and adjacent to the north contact. The coarsest texture of the quartz, feldspar and mica aggregate occurs on the north side of the dike. Inward (south) the dike texture approaches a coarse-grained granitic phase, and the applicant's blasting on the south-contact face of the dike shows quartz and feldspars graphically intergrown and mica in zones.

The grade of the mica in the above zones and that associated with the above described pockets of book mica is probably not quite as good as that found on the Rockin Chair No. 2 claim.

Based on the one small beryl showing in the pegmatite the mineral does not appear to be present in significant amounts.

Rockin Chair No. 14 claim

Workings on the Rockin Chair No. 14 claim (Fig. 4) consist of a trench about 200 feet long bulldozed in schist along the southwest contact of a pegmatite dike. The dike trends northwest and is approximately 60 to 70 feet wide. A trench about 2 feet deep has been dug across the dike on the southeast end of the workings. Most of the pegmatite surface to the northeast of the long trench and part of the surface beyond the crosscutting trench has been scraped and broken by bulldozer.

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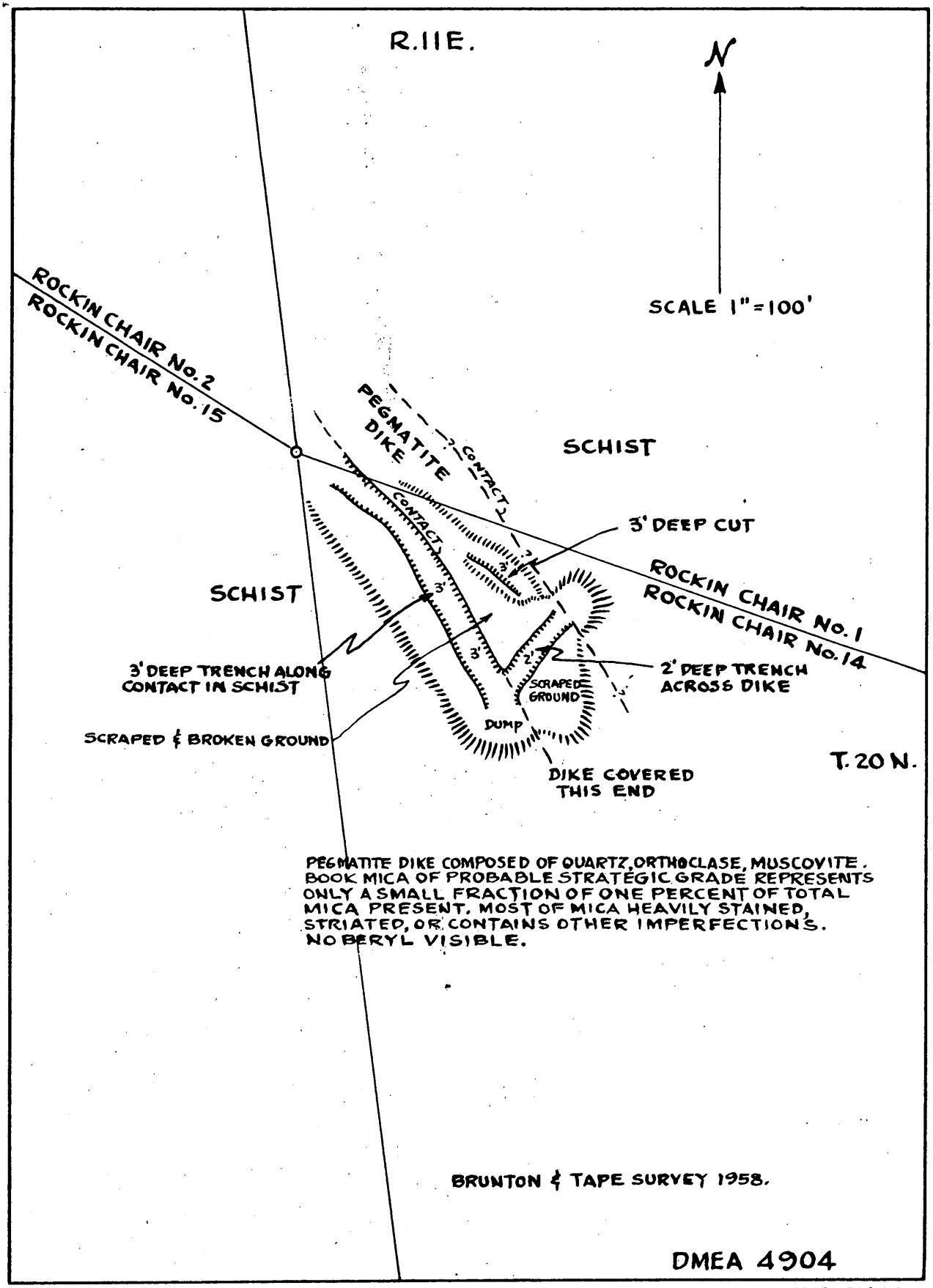

FIGURE 4.- SKETCH OF GEOLOGY AND WORKINGS, ROCKIN CHAIR No.14 CLAIM, RAY O. BURCH & GEORGE A. WIRZ (ROCKIN CHAIR CLAIMS), SANTA FE & RIO ARRIBA COS., N. MEXICO.

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The pegmatite is composed of quartz, feldspars and muscovite. No beryl was seen. The proportion of mica to quartz and feldspars is approximately 1:10. The grade of mica on this claim appears to be about the same as that found on the Rockin Chair No. 2 claim.

Rockin chair No. 5 claim

Workings in the northwest part of the Rockin Chair No. 5 claim consisted of a small pit dug along an east-west trending fault contact. The dip of the fault is approximately vertical. Granite lies on the north side of the fault and schist on the south side. A clayey, limonite stained gouge fills a fault zone about 3 feet wide, and lenses and pockets of calcite, with possibly some barite, occur in places in the fault zone. Applicant stated a trace of beryllium was found in a granitic rock obtained from the pit. Nothing of significance was found in the pit.

ORE RESERVES

No significant reserves of beryl, strategic grade mica, or columbite-tantalite are present on the property.

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Box 4126 University Station
Tucson, Arizona

MAY 19 1958

DMEA
DEPARTMENT OF THE INTERIOR
MAY 19 1958
REGION III
DENVER, COLORADO

May 16, 1958

Memorandum

To: W. H. King, Executive Officer, DMEA Field Team, Region III

From: T. M. Romslo
W. L. Emerick

Through: E. N. Harshman

Subject: Docket No. DMEA-4904 (Beryl, Mica, Columbium)
Ray A. Burch and Geo. A. Wirz (Rockin Chair claims),
Santa Fe and Rio Arriba Counties, New Mexico.

The above subject property was jointly examined on May 14, 1958, by the undersigned field examiners.

A joint field examination report recommending denial of the application will be submitted at a later date. None of the three minerals reported as present on the property, namely, beryl, mica (strategic), and columbium, are present in significant amounts.

T. M. Romslo
U. S. Bureau of Mines

W. L. Emerick
U. S. Geological Survey

TMR:WLE:ms

cc: King (8)
Harshman
DMEA/TUC
Emerick
See p. 2 cont.

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224 New Customhouse
Denver 2, Colorado

February 28, 1958

Mr. Ray O. Burch
2712 - 42nd Street
Lubbock, Texas

Re: Docket No. DMEA 4904
(Beryl-Mica and Columbium)
(Rosskin Chair Claims)
Santa Fe and Rio Arriba
Counties, New Mexico

Dear Mr. Burch:

When the captioned property is accessible for a field examination, the examination will be made by an engineer and geologist from the Tucson Office, DMEA.

Will you please notify either T. M. Romslo or W. L. Emerick, U. S. Bureau of Mines, Southwest Experiment Station, P. O. Box 4097, Tucson 5, Arizona, when the property is clear of snow so they may schedule a date for the field examination.

Original signed by
W. H. K[illegible]
W. H. King
Executive Officer

HMC:dp

cc: Sec. Oper. Comm. (2)
Harshman
Romslo
Emerick
Docket
Chron.

3/4 C

220
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Denver Federal Center
Denver 2, Colorado

February 28, 1958

Memorandum

To: W. L. Emerick
T. M. Romalo } w/enclosures, 1-5

From: DMEA Field Team, Region III

Subject: Docket No. DMEA 4904 (Beryl-Mica and Columbium) Ray C. Burch and George A. Wirz (Rockin Chair Claims) Santa Fe and Rio Arriba Counties, New Mexico

In order to equalize the work load this application is being forwarded for your attention. Enclosed is the following material relating to the subject docket:

1. Copy of application for Government assistance in exploration work under the DMEA program.
2. Memoranda of Review by Donald E. Eilertsen and William R. Barton, USGS.
3. Memorandum of Review by E. E. Nelson, USGS.
4. Letter of transmittal of the foregoing to this office dated January 17, 1958, from the Chairman, Operating Committee, DMEA.
5. Routing Control Sheet.

A field examination of the property and a joint report of findings and recommendations pertaining to the Applicant's work proposal are requested.

A previous application (Docket No. 3895) for aid to explore the Rockin Chair Claims was made by Raymond Hogan and Ray Burch. Our Regional Office copy of the Joint Report of Examination on DMEA Docket No. 3895 is attached to the engineer's copy of the application for the use of the field examiners on Docket No. DMEA 4904. Please return our copy of the report to this office.

If the field examiners recommend Government participation in the proposed exploration program, please submit eleven extra copies of each map used in the joint report which show the land to be subordinated and the location and extent of recommended work, relative to property boundaries.

The Bureau of Mines' copy of the application should not be returned to this office, but is to be kept for the Examining Engineer's file. The Routing Control Sheet, however, is to be completed, detached from the application, and forwarded to the Executive Officer with the Joint Examination Report.

Original signed by
W. H. KING

W. H. King
Executive Officer

EHC:dp

Enclosures

cc: Sec. Cptr. Comm. (2)
Marshman
Docket
Chron.

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224 New Customhouse
Denver 2, Colorado

February 26, 1958

Memorandum

To: DMEA/DPC

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4904 (Beryl-Mica and Columbium) Ray O. Burch and George A. Mirx (Rockin Chair claims) Santa Fe and Rio Arriba Counties, New Mexico

Will you please return to this office the brochure and attached material which was forwarded you with our memorandum dated January 21, 1958, on the subject docket.

This docket will be assigned to the Tucson Office and should be dropped from your records.

W. H. King
Executive Officer

WHK:dg

cc: Sec. Oper. Comm. (2)
Harshman
Docket
Chron.

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224 New Customhouse
Denver 2, Colorado

AIR MAIL

February 7, 1958

Mr. Ray O. Burch
2712 42nd Street
Lubbock, Texas

Re: Docket DMEA-4904 (Beryl, Mica and Columbium)
(Rockin chair claims)
Santa Fe and Rio Arriba Counties, New Mexico

Dear Mr. Burch:

This has further reference to our telephone conversation of February 6, regarding the accessibility of the Rockin chair claims for a field examination.

In all fairness to you and your property, the field examination should be made when the ground and present pits are entirely free of snow. Please advise this office as soon as this condition exists, and we will arrange a date for the field examination which will be mutually satisfactory.

Very truly yours,

Original signed by
W. H. KING

W. H. King
Executive Officer, DMEA
Field Team, Region III

HMC:jy

cc: Sec. Op. Comm. (2)
Harshman
DMEA,DFC
Docket
Chron.

RECEIVE	
DATE	CODE

224 New Customhouse
Denver 2, Colorado

AIR MAIL

February 7, 1958

Mr. Ray O. Burch
2712 42nd Street
Lubbock, Texas

Re: Docket DMEA-4904 (Beryl, Mica and Columbium)
(Rockin chair claims)
Santa Fe and Rio Arriba Counties, New Mexico

Dear Mr. Burch:

This has further reference to our telephone conversation of February 6, regarding the accessibility of the Rockin chair claims for a field examination.

In all fairness to you and your property, the field examination should be made when the ground and present pits are entirely free of snow. Please advise this office as soon as this condition exists, and we will arrange a date for the field examination which will be mutually satisfactory.

Very truly yours,

Original signed by
W. H. KING

W. H. King
Executive Officer, DMEA
Field Team, Region III

HMC:jy

cc: Sec. Op. Comm. (2)
Harshman
DMEA, DFC
Docket
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

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January 28, 1958

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4904 (Beryl-Mica and Columbium)
Ray O. Burch and George A. Wirz (Rockin Chair Claims)
Santa Fe and Rio Arriba Counties, New Mexico

Enclosed are two copies of a letter from the subject Applicant dated January 24, 1958, and two copies of a letter to him from the General Services Administration dated January 21, 1958.

One copy of this additional information is being retained in our file and two copies are being forwarded to the field examiners to be placed with their copies of the application.

W. H. King
W. H. King

DMEA
DEPARTMENT OF THE INTERIOR
JAN 27 1958
REGION III
DENVER, COLORADO

2712-42nd Street
Lubbock, Texas
January 24, 1958

William H. King
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-4904
Beryl- Mica and
Columbium
Ray O. Burch and
George A. Wirz

Dear Mr. King:

Recently I shipped a sample of trimmed mica to the Materials Purchase Depot, Custer, South Dakota to be evaluated by the inspector. In order to furnish you with more information pertaining to our DMEA application I am inclosing the letter that I received from Mr. McGinness.

Very turly yours,

Ray O. Burch

Ray O. Burch

WHK
HMC

GENERAL SERVICES ADMINISTRATION

Materials Purchase Depot
Box 232
Custer, South Dakota

Region 8
Denver 2, Colorado

January [illegible], 1958

IN REPLY REFER TO:

Roy C. Burch
2712 - 42nd Street
Lubbock, Texas

Dear Mr. Burch:

We have your letter of January 15, together with your sample of trimmed mica. We have had Mr. Cropf, our Mica Inspector, evaluate your mica and segregate same. We are returning your sample as Mr. Cropf inspected it. You will find it segregated in envelopes which are marked with the quality contained therein. This will give you an opportunity to differentiate between the different qualities of mica. We have made no attempt to qualify by size as we did not think it was necessary at this time.

Your mica shows promise of producing mica for the Strategic Stock-Pile and we would strongly urge you to consider the possibility of shipping hand-cobbed mica rather than to trim and rift same yourself. Most people find that if they trim mica in quantity that the cost is prohibitive and so many make errors in trimming and evaluating that they become discouraged when we have to point out the errors in their work. In most cases the cost of trimming mica by the producer exceeds the cost of having same processed by the depot.

However, we will be glad to co-operate with you in any way possible so you can produce mica for the Strategic Stock-Pile.

We thank you for your interest and wish you every success for the New Year.

Very truly yours,

GENERAL SERVICES ADMINISTRATION
Materials Purchase Depot

J. F. McGinness

J. F. McGinness
Depot Manager

BY:
BAG/ms

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DMEA
RECEIVED JAN 24 1958

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1/24	[illegible]	600

224 New Customhouse
Denver 2, Colorado

January 21, 1958

Memorandum

To: E. N. Harshman) W/enclosures: 1-5
DMEA/DFC Att: Carl Belser)

From: DMEA Field Team, Region III

Subject: Docket No. DMEA 4904 (Beryl-Mica and Columbium)
Ray O. Burch and George A. Wirz (Rockin Chair Claims)
Santa Fe and Rio Arriba Counties, New Mexico

Enclosed is the following material relating to the subject docket:

1. Copy of application for Government assistance in exploration work under the DMEA program.
2. Memoranda of Review by Donald E. Eilertsen and William R. Barton, USBM.
3. Memorandum of Review by N. E. Nelson, USGS.
4. Letter of transmittal of the foregoing to this office dated January 17, 1958, from the Chairman, Operating Committee, DMEA.
5. Routing Control Sheet.

A field examination of the property and a joint report of findings and recommendations pertaining to the Applicant's work proposal are requested.

A previous application (Docket No. 3895) for aid to explore the Rockin Chair Claims was made by Raymond Hogan and Ray Burch.

If the field examiners recommend Government participation in the proposed exploration program, please submit eleven extra copies of each map used in the joint report which show the land to be subordinated and the location and extent of recommended work, relative to property boundaries.

The Bureau of Mines' copy of the application should not be returned to this office, but is to be kept for the Examining Engineer's file. The Routing Control Sheet, however, is to be completed, detached from the application, and forwarded to the Executive Officer with the Joint Examination Report.

Original signed by
W. H. KING

W. H. King
Executive Officer

Enclosures

HMC:eh

cc: Sec. Op. Comm. (2)
Docket
Chron.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
1-16	Anderson	600
1/17	Houk	600
1/17	Selbrede	130
1/17	Ramch	130
1/17	S.H. Kiilsgaard	130
"	Johnson	110
"	Buttenfield	100
1/17	GBD	220
		600

600

JAN 17 1958

Messrs. Ray O. Burch
and George A. Wirz
2712- 42nd Street
Lubbock, Texas

Re: Docket No. DMEA-4904-Beryl-
Mica and Columbium
Ray O. Burch and George A. Wirz
Rockin Chair Claims
Santa Fe and Rio Arriba Counties
New Mexico

Gentlemen:

Your application for assistance in exploring the subject property has been reviewed by the Division of Nonmetallic Minerals of the Defense Minerals Exploration Administration and has been referred to Mr. William H. King, Executive Officer, DMEA Field Team, Region III, 224 New Customhouse Building, Denver 2, Colorado, for further consideration and possibly a field examination.

The Regional Office will contact you at an early date if an examination is to be made. Any assistance you may give the members of the Field Team during the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

WCAnderson:rsi 1/16/58
Copy to: Admr. R. File
Operating Committee
Field Team, Region III
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
1/17	Anderson	600
1/17	Houk	600
1/17	GCS	130
"	Johnson	110
"	Christensen	100
1/17	GS	220
		600

600

JAN 17 1958

Mr. William H. King
Executive Officer, DMEA
Field Team, Region III
224 New Customhouse Bldg.
Denver 2, Colorado

Re: Docket No. DMEA-4904-Beryl-
Mica and Columbium
Ray O. Burch and George A. Wirz
Rockin Chair Claims
Santa Fe and Rio Arriba Counties
New Mexico

Dear Mr. King:

Please review the subject application and arrange for a field examination if you deem it necessary.

Copies of memoranda dated December 30, 1957 and January 7, 1958, by Mr. N. E. Nelson, USGS, and Messrs. W. R. Barton, and Donald E. Eilertsen, USBM, respectively, relating to the project are enclosed. There are also enclosed two copies of the application for the use of the Field Team.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GHB)

Approved:

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

Thor H. Kiilsgaard (GHB)
Member, Geological Survey

Enclosures 11

WCAnderson:rsi 1/16/58
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

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

Date January 7, 1958

DMEA Docket No. 4904
DMEA Contract No.
Commodity Beryl
Name of applicant Ray O. Burch & George A. Wirz
Name of property Rockin Chair Claims 1 through 19
*Location of property Santa Fe & Rio Arriba Counties
Estimated cost of project $38,341
*Santa Fe National Forest, New Mexico

Memorandum

To: Lawrence G. Houk, Chief, Non-Metallic Mineral Division, DMEA

From: Donald E. Eilertsen, Commodity Specialist (Beryllium), Branch of Rare and Precious Metals DEE

Subject: Review of Application for Aid in an Exploration Project
(Application, Field Team Report, etc.)

1. Date of subject document 12/23/57 2. Date received by reviewer: 12/27/57

3. Prior reports on this property known to reviewer: Yes [X], No [ ].

4. Prior reports on nearby properties known to reviewer: Yes [ ], No [X].

5. Information available on past production: Yes [X], No [ ].

6. Other pertinent factors known to reviewer: Yes [ ], No [X].

7. Explain items marked yes above: A previous application (Docket No. 3895) for aid to explore the Rockin Chair Claims was made by Raymond Hogan and Ray Burch. Applicants proposed extensive diamond drilling and trenching estimated to cost $257,711.00. Examining engineer concluded that discovery was insufficient to justify Government participation in an exploration program. DMEA Operating Committee denied application at their meeting No. 579, October 12, 1955.

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

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

10. Remarks: (Use back of page if necessary) Item 5. Field engineer making previous examination reported that 600 pounds of beryl was produced from breaking 120 tons of pegmatite.

(over)

OFFICIAL FILE COPY DMEA RECEIVED JAN 9 1958		
DATE	INITIALS	CODE
1-9	C	220
1-9	wra	600

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

Date January 7, 1958

DMEA Docket No. 4904
DMEA Contract No.
Commodity Columbium
Name of applicant Ray O. Burch & George A. Wirz
Name of property Rockin Chair Claims 1 - 19
*Location of property Santa Fe & Rio Arriba Counties
Estimated cost of project $38,341
*Santa Fe National Forest, New Mexico

Memorandum

To: Lawrence G. Houk, Chief, Non-Metallic Mineral Division, DMEA

From: William R. Barton, Commodity Specialist (Columbium-Tantalum), Branch of Rare and Precious Metals

Subject: Review of Application for Aid in an Exploration Project
(Application, Field Team Report, etc.)

1. Date of subject document 12/23/57 2. Date received by reviewer: 1/6/58.

3. Prior reports on this property known to reviewer: Yes [X], No [ ].

4. Prior reports on nearby properties known to reviewer: Yes [ ], No [X].

5. Information available on past production: Yes [X], No [ ].

6. Other pertinent factors known to reviewer: Yes [ ], No [X].

7. Explain items marked yes above: A previous application (Docket No. 3895) was made for exploration of the Rockin Chair Claims. The examining engineer concluded the discovery was insufficient to justify Government participation and the application was denied. (DMEA Operating Committee Meeting No. 579)

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

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

10. Remarks: (Use back of page if necessary) The earlier application did not include columbium and this application mentions columbium only in small quantities. If this columbite contains appreciable tantalum it would be of particular interest since domestic tantalum supplies are much smaller than potential columbium resources. In any case, it appears from the application that columbite content of the ore is but a minor facet of the application.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado

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1/2/58	C	220
1/1/3	wsa	600

December 30, 1957

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4904 (Beryl, Mica and Columbium)
Ray O. Burch and George A. Wirz (Rockin Chair claims)
Santa Fe and Rio Arriba Counties, New Mexico

This will acknowledge receipt of our copy of the subject application.

We note that this is the same group of claims on which an application was submitted by Hogan and Burch on July 5, 1955, which became Docket No. DMEA 3895.

The Administrator's letter to the applicant, denying the application, dated October 12, 1955, stated: "If future work at your property reveals evidence which could materially alter this opinion, be assured we will be pleased to consider a new application." According to the Applicant's statement, additional work has been done and, therefore, a field examination will be required.

W H King
W. H. King

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DMEA
RECEIVED JAN 2 1958

DATE	INITIALS	CODE
1-2	C.	220
1-2	WA	600

IN REPLY REFER TO:

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

December 30, 1957

Re: DMEA 4904
Ray O. Burch and George A. Wirz
Rockin Chair Claims
Santa Fe and Arriba Counties, N. Mex.
$38,341.00 - Beryl, Mica, Columbium

Memorandum

To: L. G. Houk, Defense Minerals Exploration Administration

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

Subject: Review of application

The applicants request assistance in exploring by rock trenching and diamond drilling pegmatite dikes from which by surface work they have recovered 1,400 pounds of beryl, 20 pounds of columbium, and approximately 2,000 pounds of sheet and block mica.

Four dikes on four claims are to be explored.

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

N. E. Nelson

N. E. Nelson

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

December 26, 1957

Messrs Ray O. Burch
& George A. Wirz
2712 - 42nd Street
Lubbock, Texas

Gentlemen:

Subject: DMEA-4904

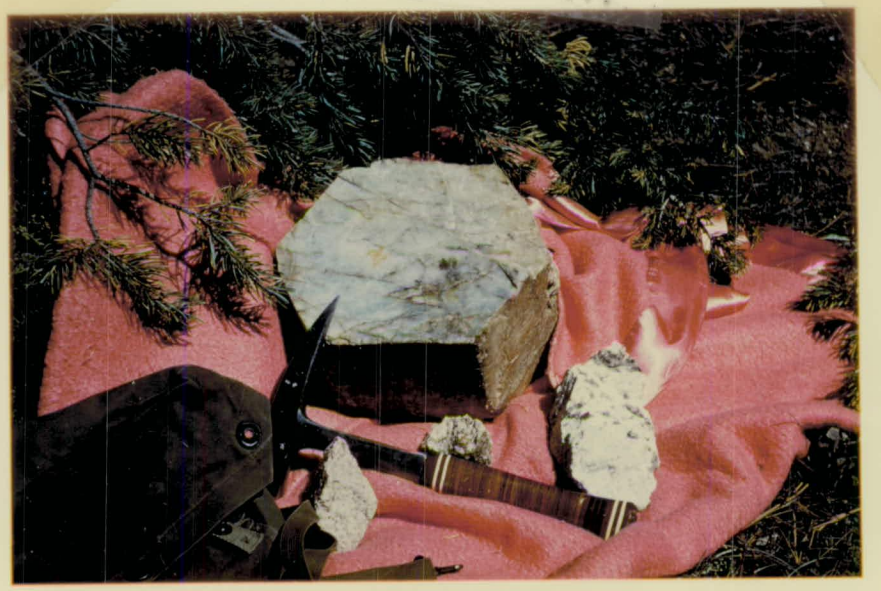
Your application for exploration assistance, dated December 19, 1957 submitted to our office at Washington, D. C. has been assigned Docket Number DMEA-4904 and referred to the NonMetallic Minerals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to:

Region III



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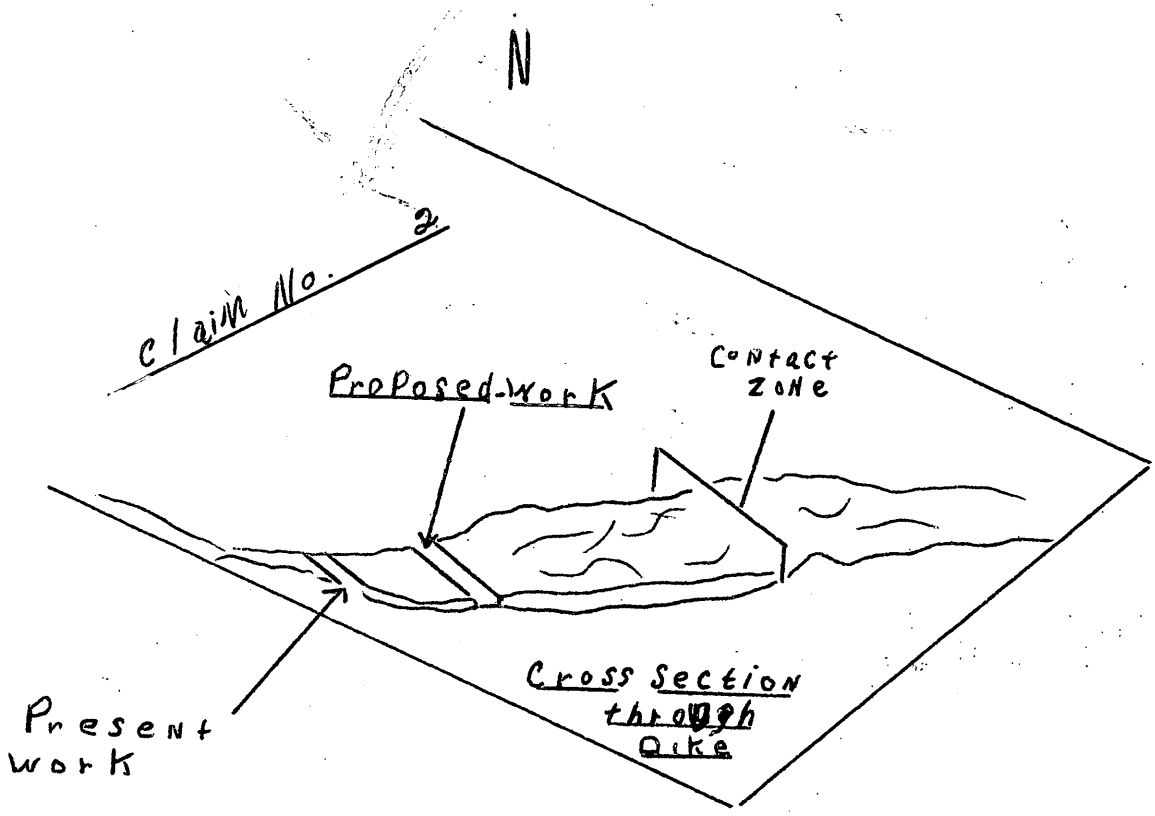
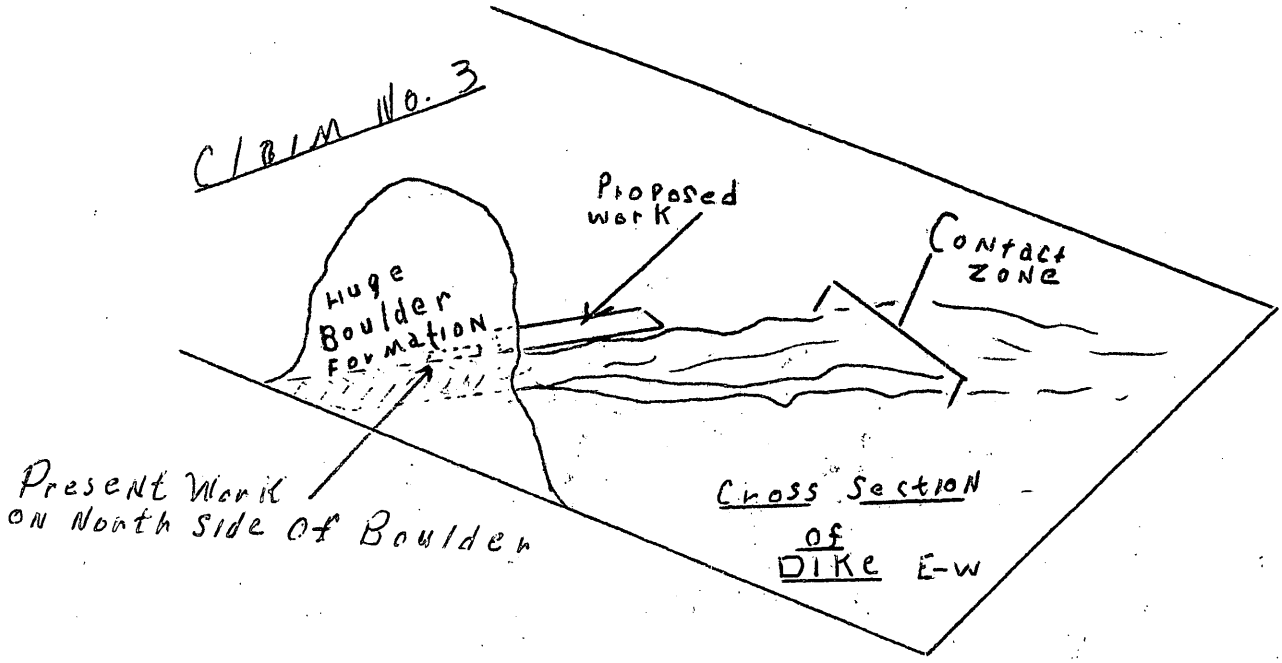
DATE	INITIALS	CODE


N
Claim No. 2
Proposed Work
Contact Zone
Present Work
Cross Section through Dike


Claim No. 3
Proposed Work
Contact Zone
Huge Boulder Formation
Present Work on North Side of Boulder
Cross Section of Dike E-W

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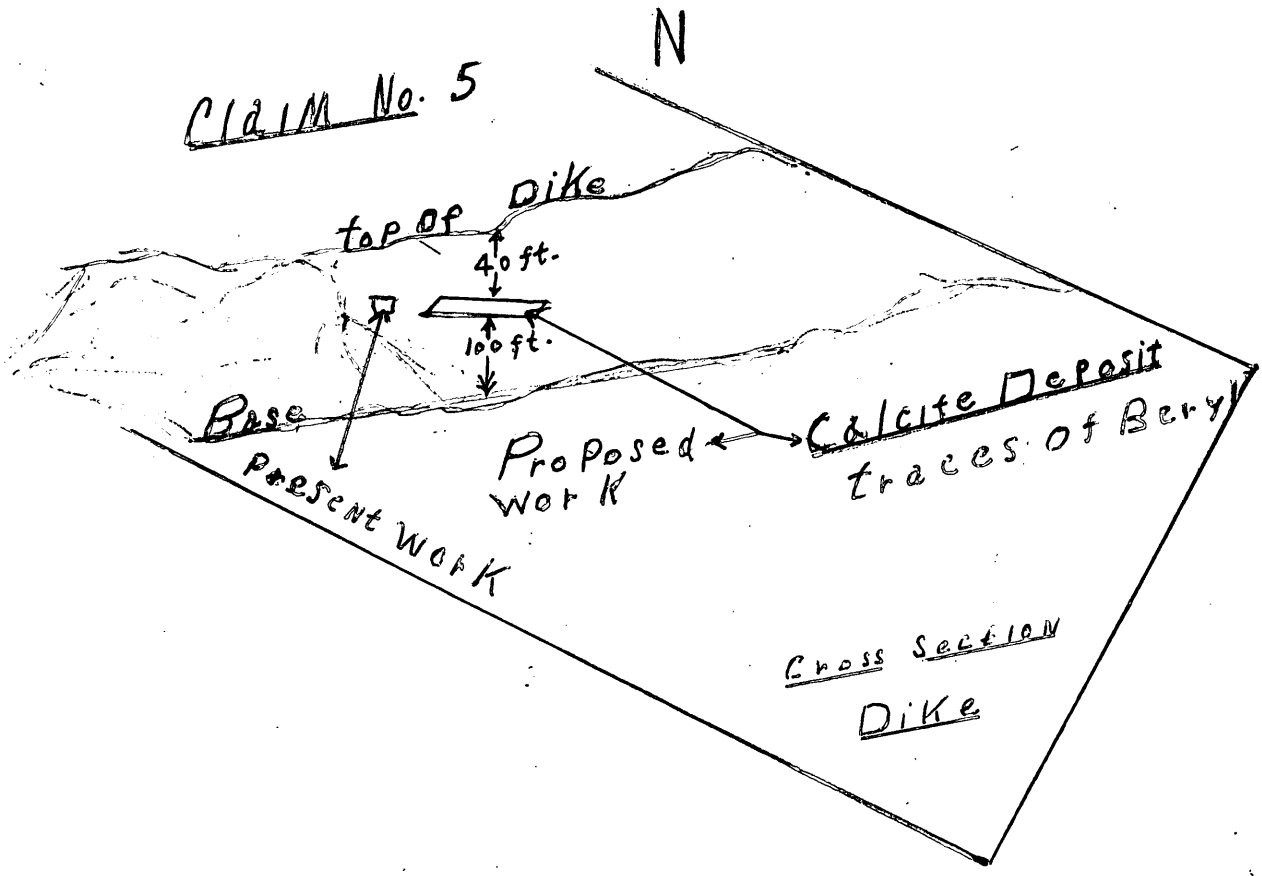
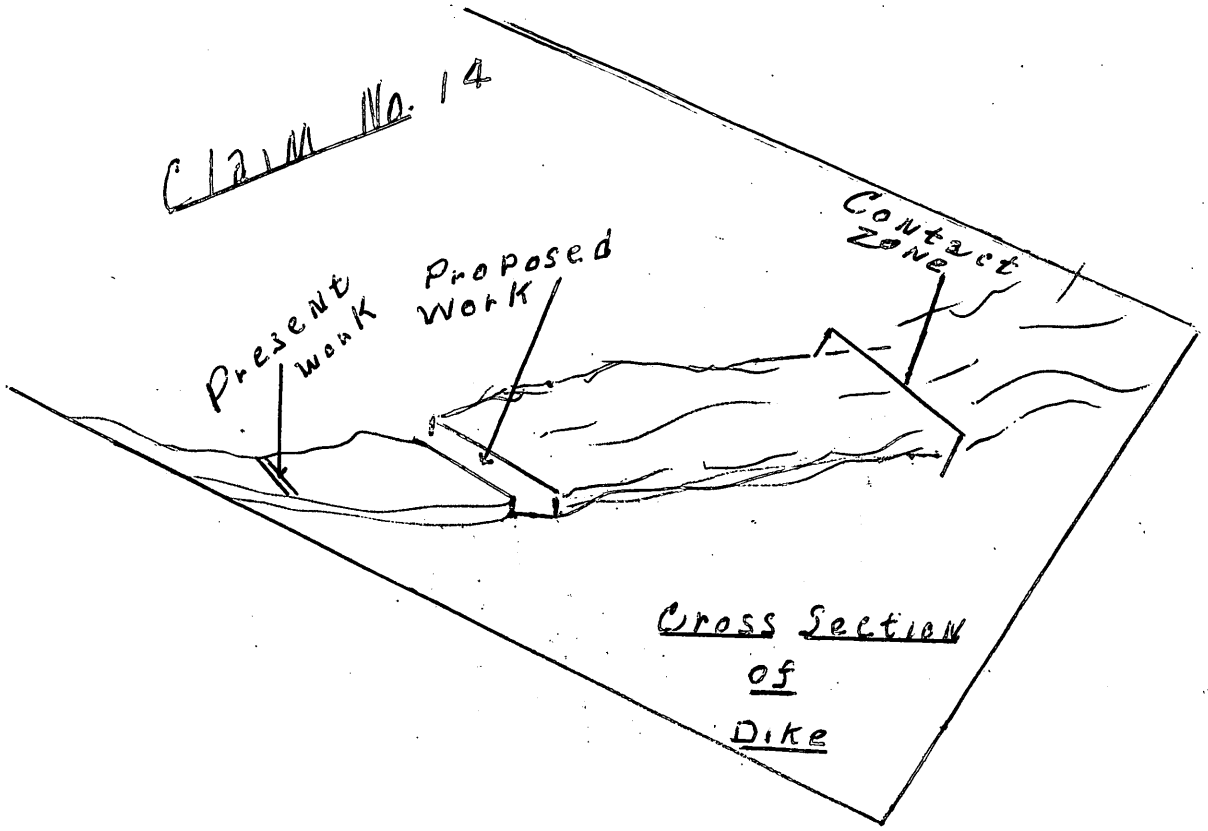
DATE	LETTER	CODE


N
Claim No. 5
top of Dike
40 ft.
100 ft.
Base
Present Work
Proposed Work
Calcite Deposit
traces of Beryl
Cross Section
Dike


Claim No. 14
Present work
Proposed Work
Contact Zone
Cross Section
of
Dike

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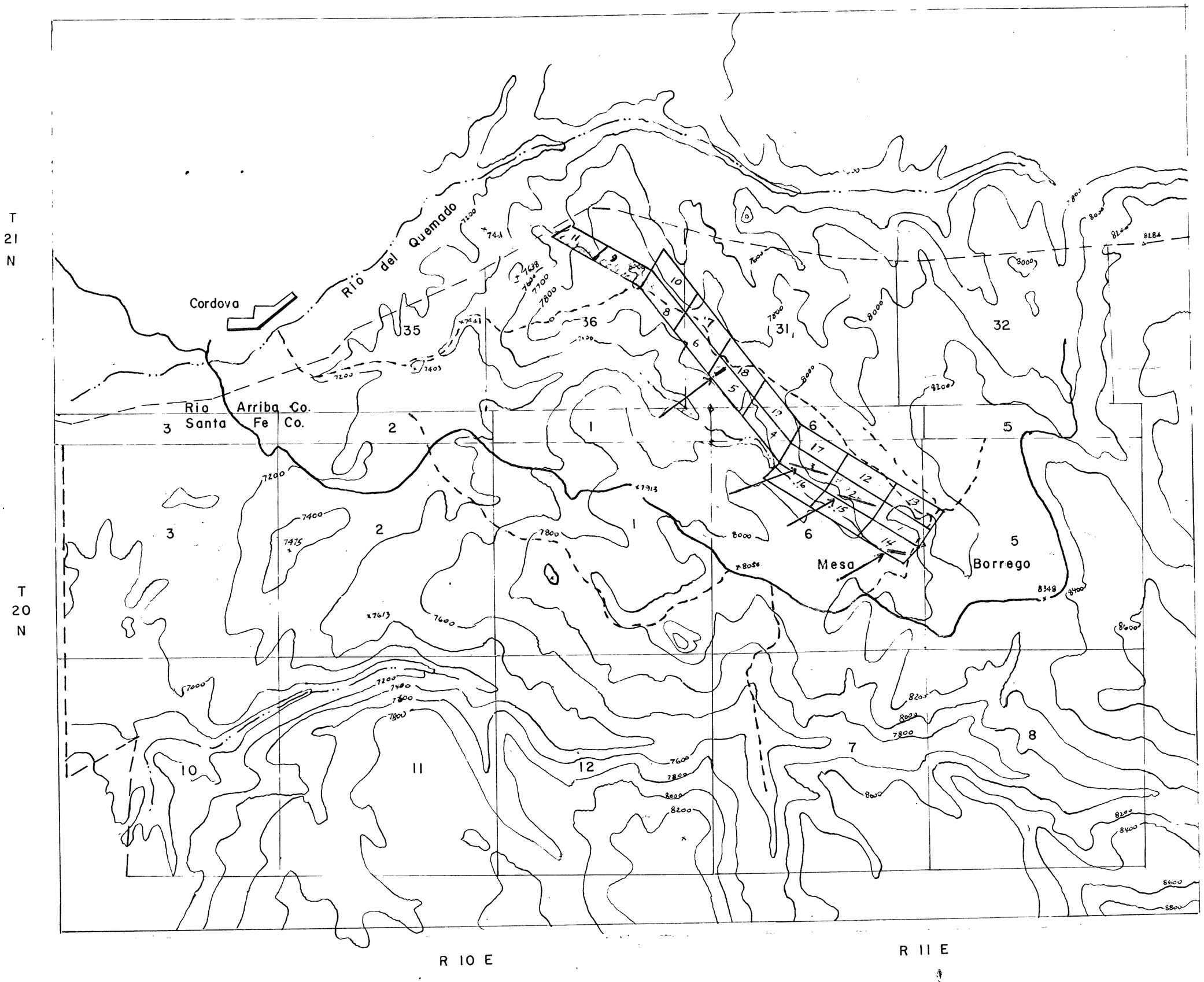
DMEA
RECEIVED DEC 23 1957

DATE	INITIALS	CODE

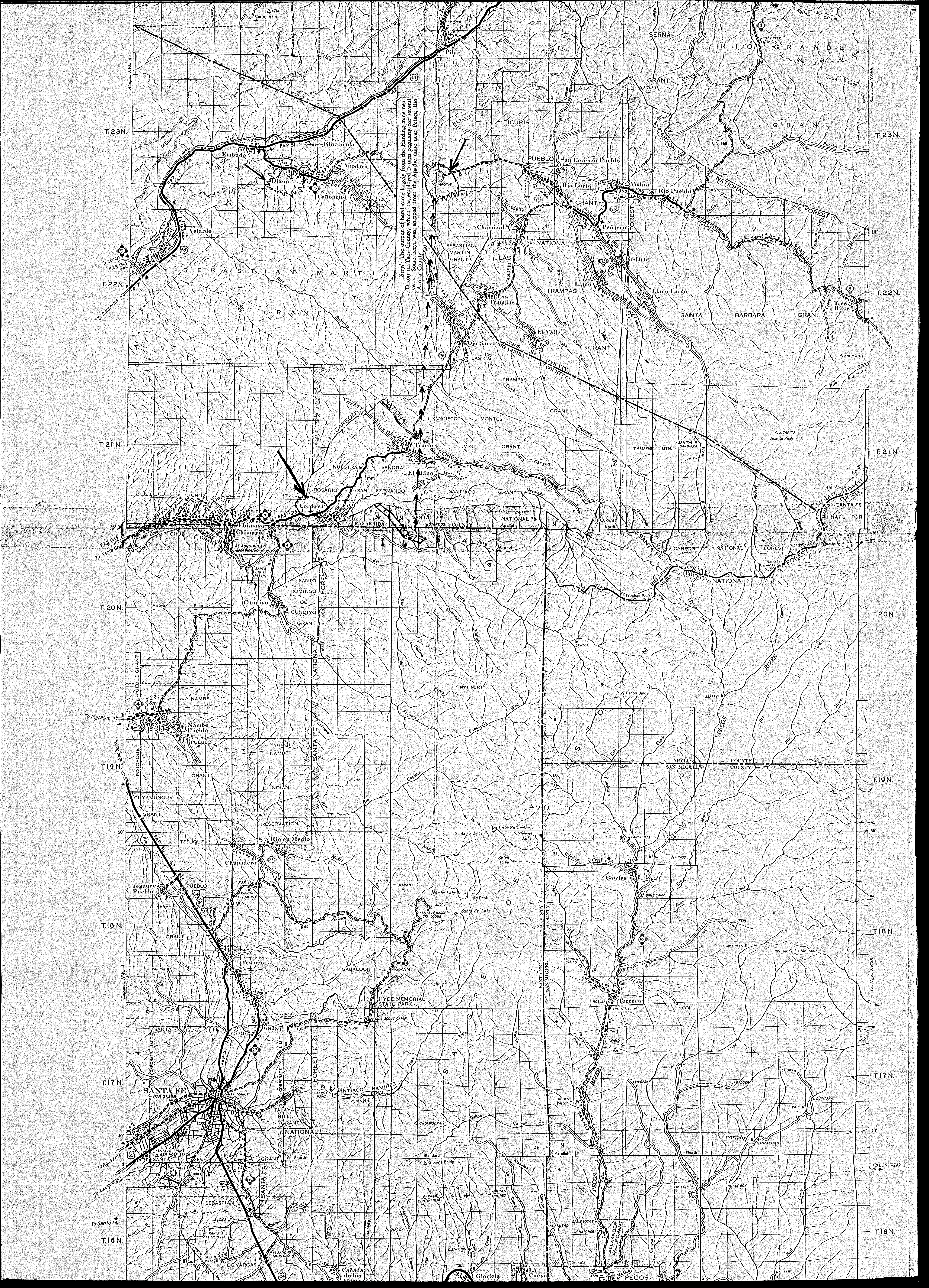


ROCKIN CHAIR PROPERTY

Contour = 200 Ft. Interval

Scale: 1:24,000

MAP No. 2


Beryl: The output of beryl came largely from the Harding mine near Dixon in Taos County, which has employed 5 men regularly for several years. Some beryl was shipped from the Apache mine near Petaca, Rio Arriba County.
T.23N.
T.22N.
T.21N.
T.20N.
T.19N.
T.18N.
T.17N.
T.16N.
Pilar
Rinconada
Embudo
Dixon
Apodaca
Cañoncito
Velarde
BLACK MESA
SEBASTIAN MARTIN GRANT
HARDING
PICURIS
PUEBLO
San Lorenzo Pueblo
Rio Lucio
Vadito
Rio Pueblo
Peñasco
Chamizal
Rodarte
Llano
Llano Largo
Las Trampas
El Valle
Ojo Sarco
Tres Ritos
SANTA BARBARA GRANT
RIO GRANDE GRANT
SERNA
CARSON NATIONAL FOREST
TAOS COUNTY
RIO ARRIBA COUNTY
Truchas
El Llano
Cordova
Chimayo
NUESTRA SEÑORA DEL ROSARIO SAN FERNANDO Y SANTIAGO GRANT
FRANCISCO MONTES VIGIL GRANT
SANTA CRUZ GRANT
Cundiyo
SANTO DOMINGO DE CUNDIYO GRANT
SANTA FE NATIONAL FOREST
Truchas Peak
Jicarita Peak
Pecos Baldy
MORA COUNTY
SAN MIGUEL COUNTY
SANTA FE COUNTY
Nambe Pueblo
NAMBE INDIAN RESERVATION
POJOAQUE PUEBLO GRANT
CUYAMUNGUE GRANT
Rio en Medio
Chupadero
Tesuque Pueblo
Tesuque
JUAN DE GABALDON GRANT
HYDE MEMORIAL STATE PARK
Santa Fe Baldy
Lake Katherine
Cowles
Terrero
PECOS RIVER
SANGRE DE CRISTO MTS.
SANTA FE
POP. 27,998
SANTIAGO RAMIREZ GRANT
TALAYA HILL GRANT
SEBASTIAN DE VARGAS
Cañada de los Alamos
Glorieta
La Cueva
PECOS
ALEXANDER VALLE GRANT
To Las Vegas
To Albuquerque
To Santa Fe
To Pojoaque