600

JAN 24 1955

Mr. Daniel R. Kelly, et al.
5106 Chester Street
Los Angeles 38, California

Re: Docket No. DMEA-3544 - Beryl
Daniel R. Kelly, et al.
Blackrock No. 1 Claim
Clark County, Nevada

Dear Mr. Kelly:

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

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

Careful study of all our information indicates to us that the probability of disclosing significant reserves of beryl by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that 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

Administrator

JHopkins:mi 1/19/55
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region III
Mr. Killingsgard, 5222
Mr. Ramo, 3641A
Mr. Houk

January 20, 1955

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: A denial of exploration assistance and summary report.

By: James Hopkins

1. Docket No. DMEA-3544 - Beryl
Property: Blackrock No. 1 Claim
Clark County, Nevada

Applicant: Daniel B. Kelly, et al.
5106 Chester Street
Los Angeles 32, California

Application: Form MF-103 dated October 16, 1954.
Work proposed:

Road construction	$3,340.00
Fasing bench off vein	450.00
Drifting 200 feet @ $30.00/ft.	6,000.00
Miscellaneous	1,000.00
Geologist	500.00
Water and transportation	500.00
Gasoline and oils	300.00
Total estimated cost	$12,090.00

No contract: Application denied.

2. Comments:

Swarms of pegmatite bodies occur in a band of muscovite schist that is several feet wide and as least three miles long in the Virgin Mountains, Clark County, Nevada.

The pegmatites range from dikes 400 feet long and 20 feet thick to lenticular pods 25 feet long and 5 feet thick. They are fine to medium grained and consist principally of perthitic microcline, plagioclase, quartz and muscovite. Beryl, chrysoberyl, garnet and biotite are minor constituents.

Throughout most of the pegmatites, the minerals are not concentrated in specific zones. Zoning is most common in the smaller coarser grained bodies.

None of the pegmatite bodies contain sufficient amounts of beryllium bearing minerals to be termed ore. The beryl content of the pegmatites in this ore is of mineralogic interest only.

There is no geologic evidence to indicate that the sub-surface content of the pegmatite bodies in the area will be of higher grade than what is known from exposures on the surface.

Recommendations: The field team recommends that the application be denied.

The Nonmetallic Minerals Division and the commodity men of the Geological Survey and Bureau of Mines concur in the denial.

JHopkins:ad 1/20/55
Copy to: Admr. R. File
Mr. Houk

IN REPLY REFER TO:

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

January 14, 1955

Re: DMEA-3544
Daniel H. Kelly
(Blackrock Claim)
Clark Co., Nevada
$12,050 - Beryl

Memorandum

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

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of Field Team examination report

The Field Team has recommended that exploration assistance for the Blackrock claim be denied.

Beryl-bearing pegmatites are very common in the area, but ore grade concentrations of beryl are rare as most of the pegmatites are not zoned. Examination of the Blackrock claim indicated only one small occurrence of scattered beryl crystals. A sample of the best material from the property assayed only 0.05 percent BeO.

Apparently the presence of beryl on the Blackrock claim must be regarded as of mineralogic interest and not of significance for possible DMEA exploration assistance.

I concur with the Field Team's conclusions, and recommend this application be denied.

E. L. Newcomb

ELNewcomb:hlm
G-1/14/55

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
Horace T. Reno, 3641A Interior

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

January 14, 1955

Memorandum

To: Laurence G. Hook, Director, Non-Metallic Minerals Division, Defense Minerals Exploration Administration

From: Commodity-Industry Analyst, Branch of Rare and Precious Metals, Bureau of Mines

Subject: Docket No. DMEA-3544 - Beryl
Daniel R. Kelly, et al.
Blackrock No. 1 Claim
Clark County, Nevada

I agree with the Field Team's recommendation that the subject application does not warrant further consideration by DMEA.

Horace T. Reno

Copy to: Division of Minerals
Branch of Rare and Precious Metals
DMEA (3)
H. T. Reno
FILES

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

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

January 5, 1955

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-3544 - Beryl
Daniel R. Kelly, et al.
Blackrock No. 1 Claim
Clark County, Nevada

Reference is made to your letter dated November 3, 1954, referring the subject application to us for review and a field examination.

Attached are the original and three copies of a report entitled "DMEA-3544, Blackrock No. 1 Claim, Clark County, Nevada, Beryl," by B. H. Sheahan, Mining Engineer, U. S. Bureau of Mines, and H. K. Stager, Geologist, U. S. Geological Survey, dated December 30, 1954.

The examining engineer and geologist are in agreement that the beryl content of the pegmatite bodies is too low grade and erratic to warrant further exploration and they have recommended denial of the DMEA application.

The beryl content of the pegmatites in the area, established by 26 mineral counts, ranges from a trace to 2.5 pounds per ton with an average count of 0.4 pounds. A mineral count of the best exposure on the Blackrock claim is estimated at less than 1 pound of beryl per ton; and a sample of the best material exposed on the claim assayed 0.05 per cent BeO. None of the pegmatite bodies contain sufficient amounts of beryllium-bearing minerals to be termed "ore." Very little work has been done on the property, and there has been no production.

Reviewed by
DMEA OPERATING COMMITTEE
1-14-55
(date)

Mr. Roscoe Smith and I are in complete agreement with the recommendation that further consideration of the property by the DMEA is unwarranted.

S. Ricker

S. Ricker
Executive Officer
DMEA Field Team, Region II

Attachment

Copy to: Roscoe Smith, USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA-3544, Blackrock No. 1 Claim

Clark County, Nevada

Beryl

B. H. Sheahan, Mining Engineer
U. S. Bureau of Mines

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

December 30, 1954

Reviewed by
DMEA OPERATING COMMITTEE
1-14-55
(date)

EXAMINATION REPORT

Docket No.: DMEA-3544 (Beryl)

Name and address of applicant: Daniel R. Kelly, et al
5106 Chester Street
Los Angeles, California

Name and location of property: Blackrock No. 1 Claim
Clark County, Nevada

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

A beryl occurrence in pegmatite dikes of the Virgin Mountains, Clark County, Nev., was examined by an engineer from the Bureau of Mines on November 17 and 18, 1954.

The property includes four unpatented lode mining claims which were located by Clinton R. Kelly in September 1953. The property can be reached from Mesquite, Nev., by following the Cabin Canyon road 12 miles southeasterly and by walking up a very steep mountain side approximately 2 miles southerly from the road.

Most of the pegmatite dikes contain no beryl. On the Blackrock claim, a select sample taken by the applicants for a DMEA loan was analyzed by the Smith Emery Co. of Los Angeles, Calif. This determination showed only 0.31% beryllium oxide. The pegmatite dikes on the Blackrock group of claims contain insufficient amounts of beryl to be mined.

The application for exploration assistance and the examination of the property was discussed with H. K. Stager, geologist of the Geological Survey, and his contribution to this report has been included by the examining engineer.

The applicant was informed that the exposures of the pegmatite dike, which contained only a few scattered, small crystals of beryl, were of practically no economic value.

The beryl content of the pegmatite bodies in the Blackrock claim area is of such a low grade and erratic distribution as to be of mineralogic interest only. There is no geologic evidence to indicate the presence of subsurface deposits of higher grade.

It is recommended that Government assistance under the DMEA program be denied.

TIME SPENT ON PROPERTY

The property was examined by an engineer of the U. S. Bureau of Mines accompanied by Mr. Daniel R. Kelly on November 17 and 18, 1954.

NAME AND LOCATION OF PROPERTY

The Blackrock group of four unpatented lode mining claims are located in the Virgin Mountains, approximately 10 miles (air line) south of Mesquite, Clark County, Nev. (See fig. 1) The claims are situated on the southeast side of Cabin Canyon at an elevation of approximately 7500 feet, in T. 15 S., R. 71 E., M.D.B.&M.

The Blackrock group of claims are nearly adjacent to the south end of the Taglo Mining Corp., Santa Cruz Mine (now idle), Clark County, Nevada, DMEA-2717 - mica-beryl.

ACCESSIBILITY

The property is reached from Mesquite, Nev., by following the main county road 12 miles southerly and up Cabin Canyon. From this point there is no road or trail to the property, which is reached by hiking approximately two miles South 25° East. The Blackrock claim is located near the crest of the mountain range. Accessibility is very difficult because of the very steep slope of the mountain and dense growth of brush.

COMPETENCY OF APPLICANT

The competency of the applicant was not good. Mr. Daniel R. Kelly has had some mining and construction work experience but was unfamiliar with the location of the property or with the economics of a beryl deposit.

Mr. Clinton R. Kelly, Jr. is a dental technician employed at Los Angeles, Calif. He has no mining experience. His father, Mr. Clinton R. Kelly was reported to be a prospector.

The financial responsibility of the applicants appeared to be poor. They did not have sufficient capital to provide for their share of an exploration loan.

APPLICANTS PROPERTY RIGHTS

The claims were located and staked by Mr. Clinton R. Kelly, prospector, in September 1953 and were recorded at the County Recorders Office, Las Vegas, Nev.

DESCRIPTION OF PROPERTY

The claims cover an area along the general trend of pegmatite dikes which outcrop near the crest of the Virgin Mountains. The applicant claims to have completed location work and assessment work, however, only two shallow prospect pits, from 1 to 5 feet in depth, were observed.

There is no surface plant or equipment of any kind on the property.

GEOLOGY

The geology of the beryl deposits in this area has been described by Hall and Irwin 1/. Much of the following information has been taken from this earlier report.

Swarms of pegmatite bodies occur in a band of muscovite schist that is several hundred feet wide and at least three miles long. The foliation of the schist strikes northeast and dips steeply to the southeast. The pegmatite bodies are parallel to the foliation of the schist. They range from dikes 400 feet long and 20 feet thick to lenticular pods 25 feet long

1/ Hall, Wayne E., and Irwin, W. P., 1953, Report of Examination by Field Team Region III, DMEA-2717, Tagio Mining Corp., Santa Cruz Mine, Clark County, Nevada.

and 5 feet thick. They are fine- to medium-grained and consist principally of perthitic microcline, plagioclase, quartz, and muscovite. Beryl, chrysoberyl, garnet, and biotite are minor constituents.

Throughout most of the pegmatites, the minerals are not concentrated in specific zones. Zoning is most common in the smaller and coarser grained bodies.

ORE DEPOSITS

Beryl occurs in the pegmatites as pale bluish-green crystals that range from 1/8 to 1/2 inch in diameter. On the Blackrock claim, beryl crystals were exposed at only one location, where along a strike length of 15 feet and across a width of 3 feet, a few beryl crystals were observed. The beryl content of the pegmatites in the area, established by 26 mineral counts, ranges from a trace to 2.5 pounds per ton with an average content of 0.4 pounds. A mineral count of the best exposure on the Blackrock claim is estimated at less than 1 pound of beryl per ton. A selected sample by the applicants contained 0.31 percent BeO, and a sample of the best material exposed on the Blackrock claim taken by the examining engineer, contained 0.05 percent BeO by chemical assay.

There has been no production of beryl from this area.

ORE RESERVES

None of the pegmatite bodies contain sufficient amounts of beryllium bearing minerals to be termed "ore". The beryl content of the peg-

matite bodies in this area is of mineralogic interest only.

PAST OPERATION

There have been no past operations at the property. The occurrence of beryl in pegmatite dikes of the Virgin Mountains, Clark County, Nevada, has been known for many years.

LABOR AND SUPPLIES

Mesquite, Nevada, located 14 miles north of the property, is the nearest source of labor and supplies. The nearest source of water is in Cabin Canyon, one mile north of the claims and nearly 1500 feet in elevation below the property.

APPLICANTS PROPOSAL

The applicants propose to build 1-1/2 miles of access road to the property, to bench the face of the dike and to drift 200 feet in the dike at a total estimated cost of $12,000.

There is no geologic evidence to indicate that the subsurface content of the pegmatite body in the area to be explored will be of higher grade than what is known from exposures on the surface or on adjoining claims.

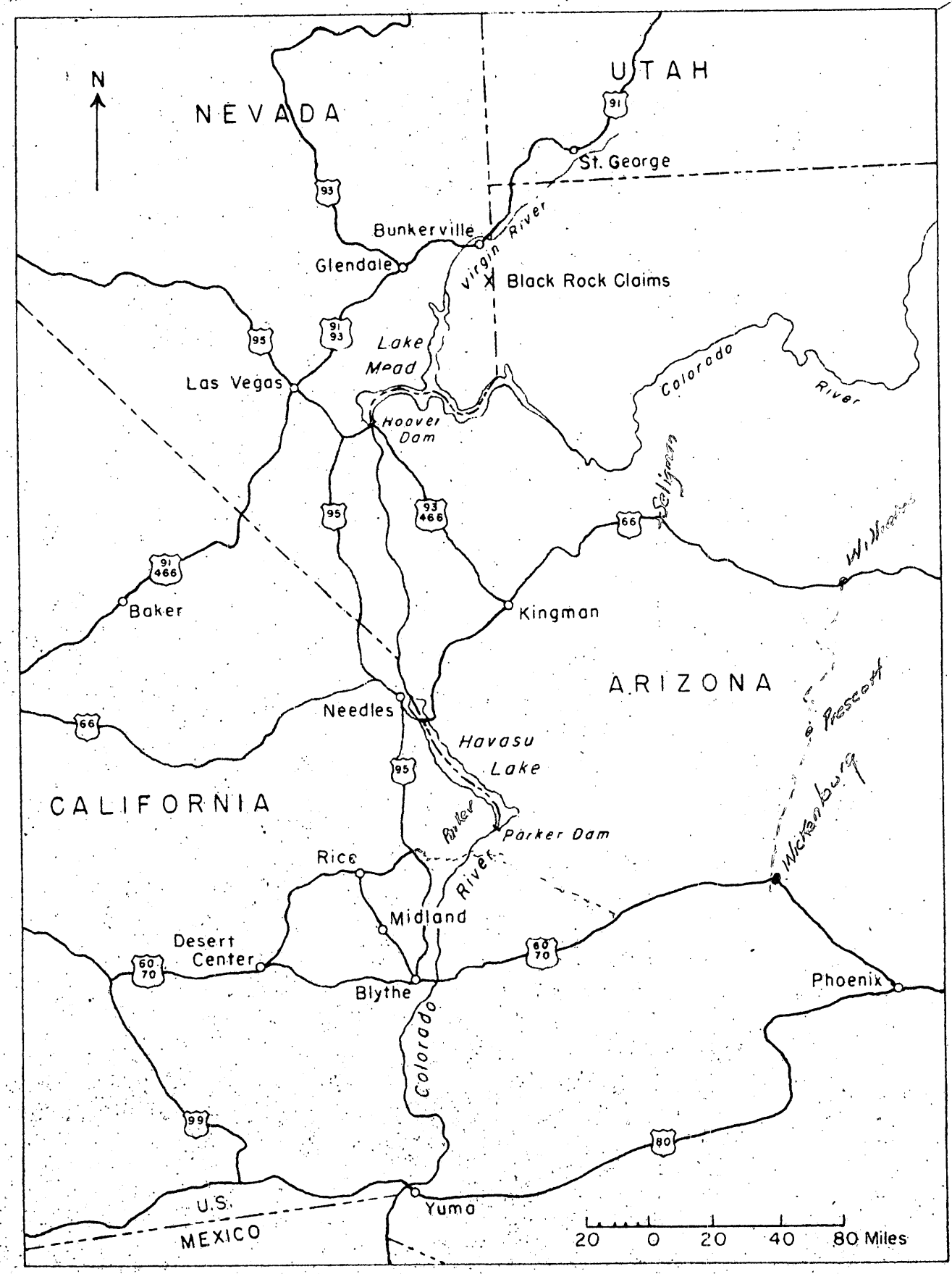

Figure 1: Index map showing location of Black Rock beryl Claims, Clark County, Nevada.

NOV 3 - 1954

600

Mr. Spangler Ricker
Executive Officer, DMEA
Field Team, Region III
U. S. Bureau of Mines
420 Custom House
555 Battery Street
San Francisco 11, California

Subject: Docket No. DMEA-3544 - Beryl
Daniel R. Kelly, et al.
Blackrock No.1 Claim
Clark County, Nevada

Dear Mr. Ricker:

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

Copies of memoranda from the Geological Survey, dated October 26, 1954, and from the Bureau of Mines, dated October 22, 1954, are enclosed for your information.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

Enclosures 4

JHopkins:gad 11/1/54
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Reno, 3641A
Mr. Houk

600

NOV 3 - 1954

Mr. Daniel R. Kelly, et al.
5106 Chester Street
Los Angeles 32, California

Re: Docket No. DMEA-3544 - Beryl
Blackrock No.1 Claim
Clark County, Nevada

Dear Mr. Kelly:

Your application for assistance in exploring the subject property has been reviewed by the Nonmetallic Minerals Division of the Defense Minerals Exploration Administration and has been referred to Mr. Spangler Rieker, Executive Officer, DMEA Field Team, Region III, U. S. Bureau of Mines, 420 Custom House, 555 Battery Street, San Francisco 11, California, 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 that you may give the members of the field team during the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

JHopkins:gad 11/1/54
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region III
Mr. Hillsgaard, 5222
Mr. Reno, 3641A
Mr. Houk

IN REPLY REFER TO:

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

RECEIVED
Defense Minerals
REGE
OCT 27 1954

October 26, 1954

Re: DMEA-3544
Blackrock No. 1 Claim
Key West District
Clark County, Nevada
$12,090 - Beryl

Memorandum

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

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of application

The applicant plans to build a one and one half mile access road, to bench the face of the vein and to follow the vein by drifting at least 200 feet.

We do not have any available information in our files on this property. From the brief geological description given in the application, the deposit may be in metamorphic rocks, such as mica schist or gneiss.

The operator mentions that samples have been tested. However, the analysis by the Smith-Emery Company is not very informative. We know nothing about the size of the sample or how it was collected. If this represents selected best grade material, it falls far short of a minable grade.

DMEA has some other projects in the area and I recommend the application be referred to the field for an examination at their convenience when they are next in the general vicinity.

E. L. Newcomb

ELNewcomb:hlm
G-10/26/54

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
R. F. Griffith, 3641A

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

Defense Minerals Exploration Adm.
RECEIVED
OCT 22 1954

October 22, 1954

Memorandum

Hook Non metals

To: ~~Ernest W. Ellis, Chief, Rare and Miscellaneous Metals~~ Division, Defense Minerals Exploration Administration

From: Horace T. Reno, Commodity-Industry Analyst, Rare and Precious Metals Branch

Subject: Application for Exploration Aid, DMEA Docket No. 3544 (Beryl)

It is recommended that the property described in subject application be examined by a field team.

Horace T. Reno

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
RECEIVED
OCT 22 1954

Reno

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. 3544
Metal or Mineral Beryl
Date Received
Estimated Cost $12,090
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: Clinton R. Kelly 5106 Chester St.
Daniel R. Kelly Los Angeles, 32 Calif.
Clinton R. Kelly Jr. "
"

(*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 Claim located in the mountains 14 miles south of the town of Mesquite Nevada in the Key West mining district in Clark County, in upper part of Cabin Canyon near the top of the mountain.

(*b*) State any mine name by which the property is known. Blackrock # 1.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Recorded Claim

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

(*e*) If you own the land, describe any liens or encumbrances on it None

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. # 18671 Record Book # 20 Clark County, Nevada-- Las Vegas

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 Mainly Beryl possibilities of Mica (Strategic) Chromium Manganese Titanium

(*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 90 days and be completed within 6 months from the date of an exploration project contract.

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

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)? Yes

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

[x] Money [ ] Use of equipment owned by you [x] Other own Labor

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 10-16, 1954

Daniel R. Kelly (Applicant)

By Partner

SAN FRANCISCO, CALIFORNIA

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 22 1954

IV. Physical Description

A. The only exploration done as yet is assessment work, moving dirt at the vein lead, and acquiring ore samples. This has all been done by the claimholders. At present the claim is only accessible by foot as it is approximately 1 mile from the road in the canyon. We expect to build the road in first with a bulldozer to the claim.

B, The only production made so far is the taking of samples which we have had tested.

C. Geologically the claim is an outcropping of the vein on the slight slope of the mountain which rises sharply in back of the claim to an elevation lf 1000 feet higher than claim elevation. Berrylstones of all sizes ranging from 1/2" to 6" in diameter appear plentifully in this outcropping. All the surrounding vicinity has much loose sheet Mica and flaked Mica on the surface as the entire mountain is composed chiefly of Mica. Titanium also appears in the tests.

D. The nearest town to the claim is Mesquite Nevada; 12 miles away on the main highway. Supplies and residence could be obtained here. The railroad is connected by main highway from Mesquite 35 miles away. The County road up the canyon from Mewquite towards the claim is good with no steep grades. From this road the claim is located 1 mile off up a wash.

E. Two of the claimholders are experienced underground miners and Shaft-Tunnel men who intend to do their own exploration work. They will hire extra muckers and rent equipment such as compressors, jack-hammers, drilling equipment, blower, light plant, mine cars and rails, shovels, etc. Other materials and necessary supplies will be purchased. The only water available is the runoff in the wash near the claim for a period of 2 months during the Spring season! However water could be obtained as nearby mine has water. The power lines at present are about 5 miles away.

V. The Exploration Project

B. First of all it is necessary to build an access road 1½ miles to get in the necessary equipment and supplies. Then we plan to bench off at the face of the vein and follow the vein in with a drift 5 X 7 feet using timber if necessary for a distance of at least 200 feet. We will follow whichever angle the vein runs. From the plentiful showing of Berrylstones on the outcropping we expect to find a thicker concentration of them deeper in the vein. Also could find deposits of the other minerals as mentioned.

Daniel R. Kelly
5106 Chester St.
Los Angeles 32, Calif.

D. The claimholder who will supervise work was a Shaft and Tunnel Supervisor for the Los Angeles Water and Power Dept. He has also worked in mines and tunnels for the past 25 years and is well qualified to carry out the exploration work. The other claimholder (also locator) has been prospecting for 30 years and understands geology and minerals thoroughly.

VI. Estimates of costs-- Total... $ 12090.00

First Step--Cost of road

Rental of tractor.....	$ 900.00
Hiring of men.....	540.00
Powder.....	100.00
Compressor and Drill.....	300.00
Truck	1500.00

Second Step-- Facing bench off vein

Compressor.....	100.00
Men and labor.....	300.00
Powder.....	50.00

Third Step-- Drifting on the vein

200 foot drift at $30.00 per ft.....	6000.00
Miscellaneous expenses.....	1000.00

B. Supervision will be by claimholders

2 Miners at $16.00 per day
2 Muckers at $15.00 per day
Labor cost is included in cost of $30 per ft. of Drift
Geological Consultant..... 500.00

C. Cost of water and transporting..... 500.00
Gasolines and Oils..... 300.00

D. Bulldozer with operator
Light plant
Jack hammer
Blower-- these items figured in costs above as will be rented
Truck-- purchased and listed above

E. None

F. None

G. These items are included in section VI # 3 as cost per ft.

H. Listed as Miscellaneous expenses above

Daniel R. Kelly
5106 Chester St.
Los Angeles, Cal

(COPY)

SMITH EMERY COMPANY
781 E. Washington Blvd.
Los Angeles 21, Calif

July 2, 1954

No. 386401

Sample— Rock

Received 6-29-54

Department of the Interior
Defense Minerals Exploration Administration
OCT 22 1954

Submitted by
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REPORT OF QUALITATIVE SPECTROGRAPHIC EXAMINATION

ELEMENT	APPROXIMATE QUANTITY
Silicon	Major Constituent
Aluminum, Sodium, Potassium	Intermediate Constituents

Minor Constituents:

Iron	0.5%
Beryllium	0.1%
Calcium	0.1%
Manganese	0.05%
Magnesium	0.05%
Barium	0.01%
Strontium	0.01%
Boron	0.005%
Gallium	0.005%
Chromium	0.005%
Titanium	0.005%
Vanadium	0.001%
Copper	0.001%
Tungsten	None found

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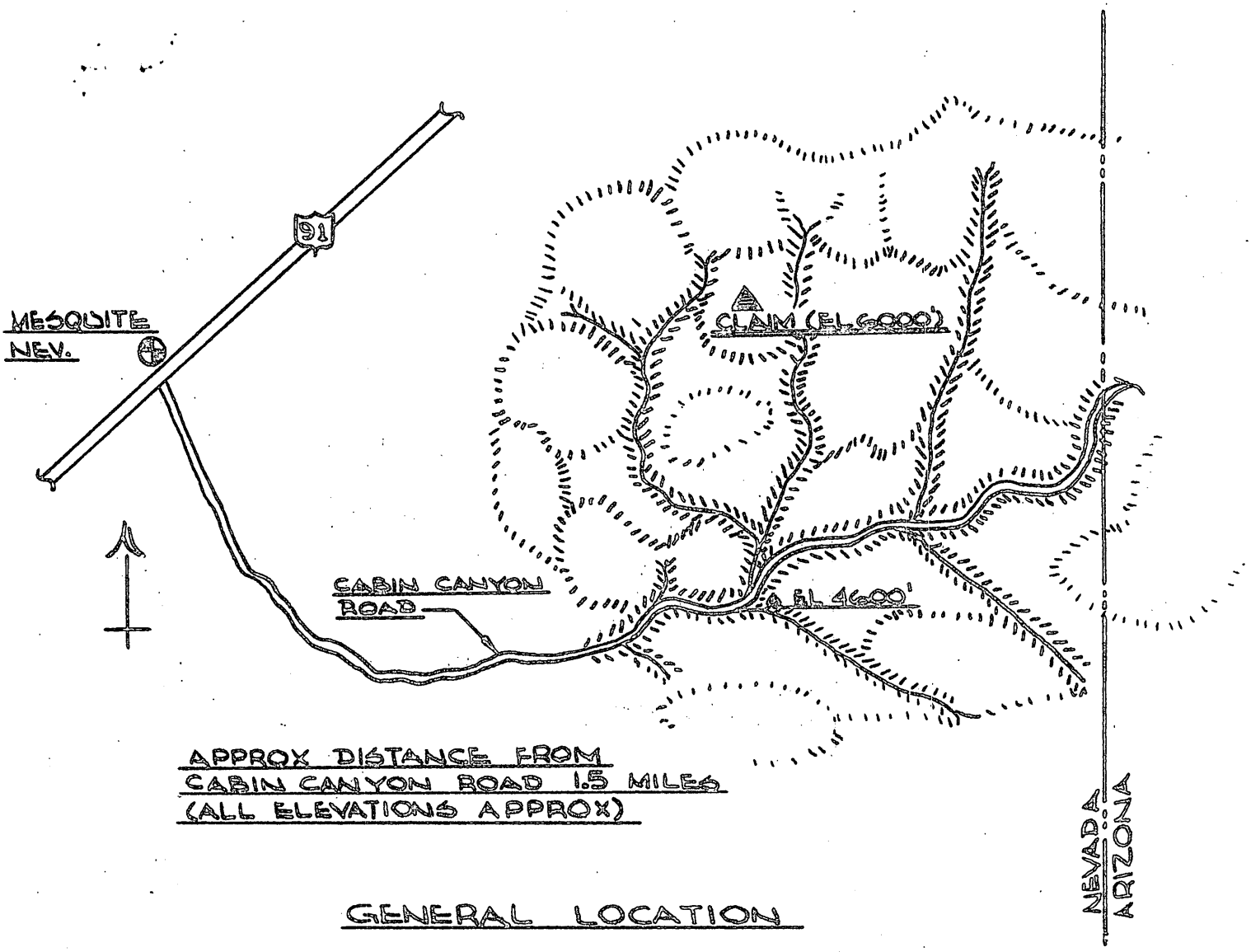
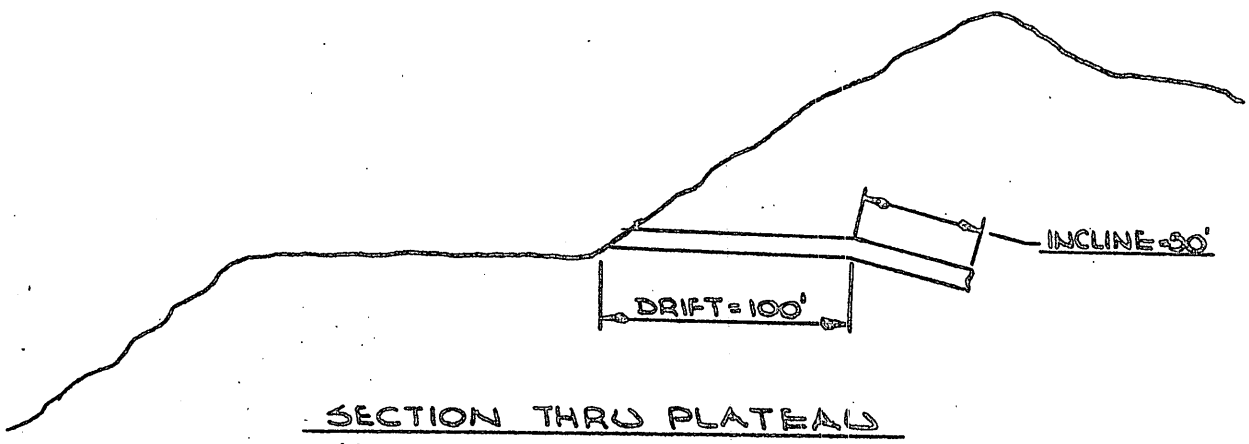
CHEMICAL DETERMINATION

Beryllium Oxide (BeO)..... 0.31%



APPROX DISTANCE FROM
CABIN CANYON ROAD 1.5 MILES
(ALL ELEVATIONS APPROX)

GENERAL LOCATION



SECTION THRU PLATEAU
SHOWING APPROX SHAFT

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