Salt Lake AEC has requested Phoenix sub-office to make an exam. which results of an not available

no trace of mineralization - spectrographic analysis indicates no uranium present and little thorium.

Gold

2/25

1/26/55

Stand waiting report from Salt Lake City office

JN

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 30 1954

G. E. WOTKYNS
INVESTMENTS
HELENDALE RANCH
HELENDALE CALIFORNIA

December 22, 1954

United States Department of the Interior
Mr. W. E. King
Executive Officer
DMMA Field Team, Region IV
224 New Customhouse
Denver 2, Colorado

Dear Mr. King:

Pursuant to your letter of the 3rd instant regarding a Field Team examination of our twenty claims in the Queens Mining District, Mohave County, Arizona and outlining the procedures pertinent to such Field Team examination I enclose herewith Form MP-105 in quadruplicate, with accompanying explanatory Exhibit page, together with a claim map (map calls out named claims where "hot spots" at location holes indicate exploratory work should be done) and exact copies of documents by which we control the properties.

I would like at this time to mention that the adjoining property to the west, some sixteen claims, belonging to a Mr. C. L. Brant of Yucca, Arizona was inspected by an engineer, Mr. Olin Hart, who was either with the A.E.C. or Bureau of Mines. Mr. Hart made this examination as the result of Mr. Brant's request to an office, A.E.C. or Bureau of Mines, in Phoenix some five or six months ago. Perhaps you are already familiar with this work.

Awaiting your reply, I am

Very truly yours,

G. E. Wotkyns

G. E. Wotkyns

G. E. WOTKYNS
[illegible] BUILDING
NINTH & GRAND AVENUE
LOS ANGELES 15

1954
MINES
Colorado

November 29, 1954

United States Department of the Interior
Executive Officer, DMEA
224 New Customhouse Building
Denver 2, Colorado

Dear Sir:

My associates and I have recently completed all legal location work on twenty claims in the Queens Mining District of Mohave County, Arizona.

These claims adjoin the C. E. Brant claims on the north and east and the old McCracken Mine properties. It is my understanding that a field team from the Phoenix, Arizona office has made a preliminary examination of Mr. Brant's properties and is therefore somewhat familiar with the district.

I would like to have a field team examine our field as we are of the opinion that the properties definitely warrant immediate [illegible]tion due to the high thorium content and, so far, reasonable [illegible] values found on the surface and to a depth of ten feet. I am enclosing herewith a copy of a spectographic analysis which is self explanatory to a degree.

Should your office so indicate it is possible that we might request an application for exploration aid from the Government in proper sequence.

If it is necessary to have a principal at the property when you survey same kindly let me know the date of your planned trip and I will be there.

Very truly yours,

G. E. Wotkyns

Encls.

COPY

SMITH-EMERY COMPANY

CHEMICAL ENGINEERS AND CHEMISTS
METALLURGICAL AND TESTING ENGINEERS
920 SANTEE STREET
LOS ANGELES 15
CALIFORNIA

NEW ADDRESS
WASHINGTON BLVD.
CALIFORNIA

LABORATORY
No. 392500

Date November 15, 1954.

Sample Rock

Received 11-11-54 *Marked* "Specimen"

Submitted by E. S. Armstrong,
1201 Rives-Strong Building,
112 West 9th Street,
Los Angeles 15, California.

REPORT OF QUALITATIVE SPECTROGRAPHIC EXAMINATION

Element	*Approximate Quantity*
Silicon, Aluminum	Major Constituents.
Sodium, Potassium, Calcium, Zirconium	Intermediate Constituents.
	Minor Constituents:
Iron	1%
Barium	0.5%
Magnesium	0.5%
Titanium	0.5%
Manganese	0.0[illegible]%
Strontium	0.[illegible]%
Copper	0.00[illegible]%
Vanadium	0.00[illegible]%
Gallium	0.00[illegible]%
Lead	0.00[illegible]%
Boron	0.00[illegible]%
Chromium	0.00[illegible]%
Thorium	Present ?
Rare Earths	Present
Tungsten	None found
Columbium	None found
Nickel	None found
Cobalt	None found
Uranium	None found

Respectfully submitted,

Smith-Emery Co.

CHEMISTS AND ENGINEERS

All reports are submitted as the confidential property of clients. Authorization for publication of our reports, conclusions, or extracts from or regarding them is reserved pending our written approval as a mutual protection to clients, the public and ourselves.

(See statements on reverse side regarding qualitative spectrographic examination)

[illegible] Southeastern
[illegible], California

[illegible]

Mr. C. E. Wotkyns
1200 Rives-Strong Building
Ninth & Spring Streets
Los Angeles 15, California

Dear Mr. Wotkyns:

This will acknowledge receipt of your letter dated November 29, 1954, regarding your twenty claims in the Queens Mine, District of Mohave County, Arizona, and requesting that the Field [illegible] examine your property.

We are not permitted to make a field examination until the applicant has submitted a DMEA application. We are enclosing five copies of Form MF-103, Application for Exploration Assistance, a copy of DMEA Order-1 Amended, and a booklet containing questions and answers on the Defense Minerals Exploration Administration program.

If it is your desire to explore your property for uranium, and you believe the same is warranted, you may send your application to this office or direct to the Defense Minerals Exploration Administration, Department of the Interior, Interior Building, Washington 25, D. C.

An application consists of Form MF-103 completed in detail in quadruplicate, and the fifth copy is for your file. All copies of the completed application forms should be accompanied by a map or sketch showing the location of the proposed work with relation to the property lines.

Upon the receipt of your application the Regional Field Team will have field examiners make an examination of your property.

Very truly yours,

W. E. King
Executive Director
DMEA Field Team, Region [illegible]

Enclosures

MWS:[illegible]
cc: Subject
C.F.M.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Form Approved.
Budget Bureau No. 42-R1085.2
RECEIVED
DEC 30 1954

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. 3624
Metal or Mineral Uranium, Thorium, & Rare Earths
Date Received
Estimated Cost $37,600
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: E. S. Armstrong, 1201 Rives Strong Bldg., Los Angeles 15, Calif.
G. E. Watkyns Helendale Ranch, Helendale, California "
N. L. Goss 1000 East Green Street, Pasadena 1, California
Above three individuals comprise a partnership

(*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

(*b*) State any mine name by which the property is known. No name as yet.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner and purchaser under contract (See Map exhibit)

(*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. See exhibit

(*e*) If you own the land, describe any liens or encumbrances on it Unpatented claims subject to legal conditions only

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

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. Location holes only readily accessible.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None.

(*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. Gen'l. area pegmatite sill w/intrusions, hi radio-activity.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. County road adjoins property; pickup truck can traverse most all claims.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power. Manpower, materials, supplies, equipment readily available; water for domestic & drilling use presently consists of 2 wells (See map); nearest power line less than one mile south from nearest property line.

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Uranium, Thorium and rare earths.

(*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. See exhibit and Map

(*c*) The work will start within 20 days and be completed within six 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. See exhibit

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.). Aprox. 5000' contract drilling (all costs) about $6.00/ft.

(*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. Supervision, engr'g., $2,500.00

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

(*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. Contractor to furnish everything.

(*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. No bldg's. on property, 1 new pickup owned by us.

(*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. See exhibit

(*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. Analytical/Act'g. $1,000;Contractor assumes balance.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above. $3,000.00 allowed for contingencies; total estimated costs $37,600.00.

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. We will deposit money in Bank. in-advance

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

[X] Money [ ] 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 15, 1954

E.S.Armstrong, G.E.Wotkyns, N.L.Goss
(Applicant)

By G. E. Wotkyns
G. E. Wotkyns

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
Minerals Administration
RECEIVED
DEC 30 1954

E X H I B I T S

ACCOMPANYING APPLICATION FOR AID
EXPLORATION PROJECT, DMEA ORDER 1

BY

E.S.ARMSTRONG
C.L.WATKINS
H.L.GOSS

3.-(a) Subject to formal survey the following is land under location:
T13N,R14W, Mohave County, Arizona
Sec. 29 - [illegible]
Sec. 30 - [illegible]
Sec. 31 - [illegible]
Sec. 32 - [illegible]
T12N,R14W, Mohave County, Arizona
Sec. 6 - [illegible]
See Claim Map attached.

(c) See Claim Map attached.

(d) Reference copy of recorded document.

(f) Book 4-H of Mines, Pages 5,6,7,8,256,257,258,259,260,261,262, 263 & 264; Book 4-G of Mines, Pages 147.148,149,150.151-152,153.

4.-(e) Yucca, Arizona on ATSF RR (siding available) 35 miles northwesterly over good graded and county maintained road; Kingman, Arizona or Needles, California equidistant from Yucca on Hwy. 66.

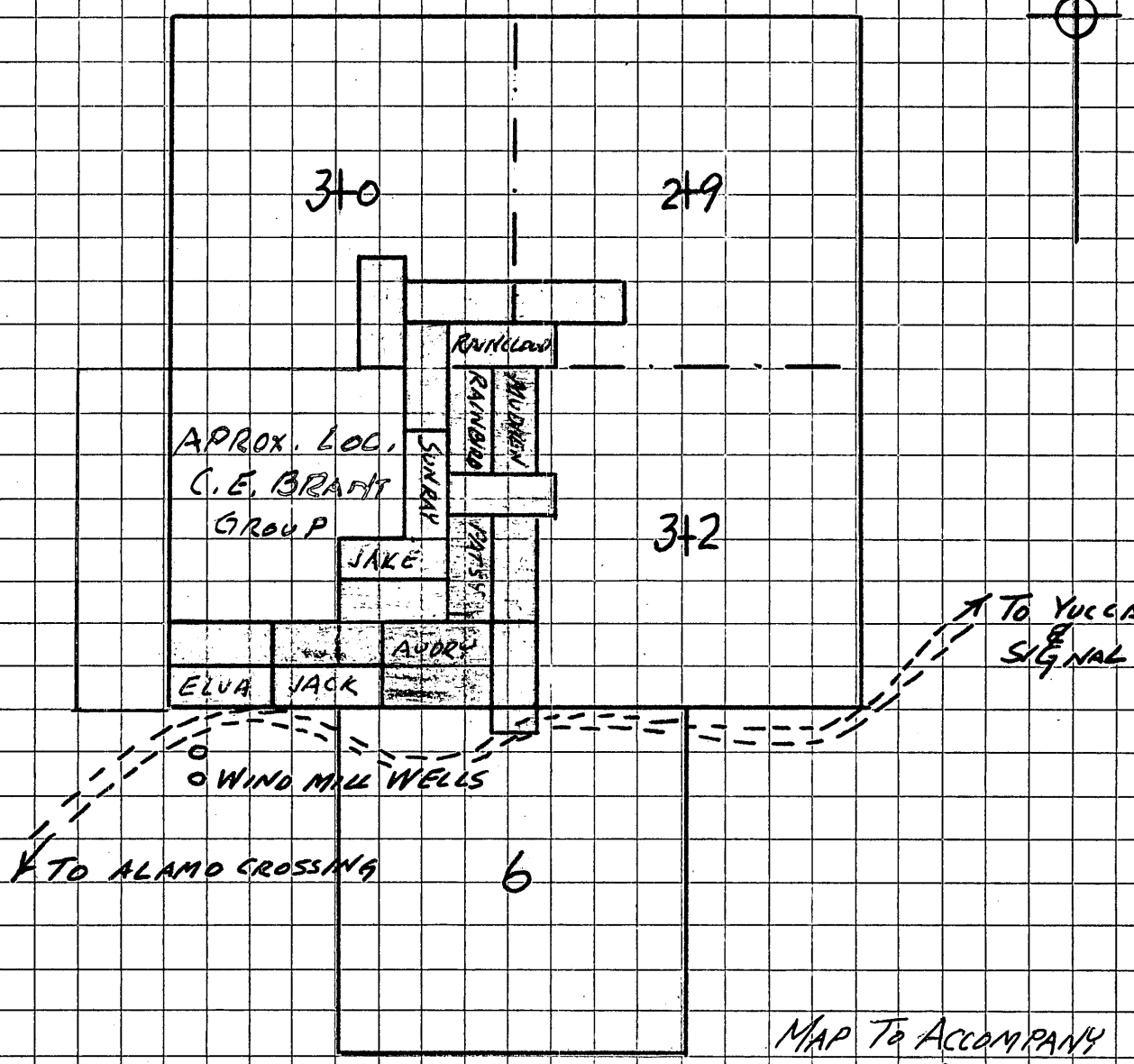
5.-(b) Prospect drilling to locate underground ore-bodies as presently indicated by "hot spots" in various location holes. Particularly on the Patsy, Audry, Hudhon claims owned by us (unpatented); Elva Jack, Jake claims of the Noblitt Group (unpatented) under option to us and the Sun Ray, Rainbird, Rain Cloud claims of the Miller Group under option to us (unpatented). Option copies enclosed.

(d) E. S. Armstrong has had over forty years of mining and oil exploration experience in the United States, Mexico, Alaska and in South America and will supervise the operators. He was assistant to Jasper McCaskill in the first examination of the Braden Copper Mine in Chile in 1908, was General Manager of Jerome Bol Monte Mine, and examination of the Premier Mine in Alaska for The First Boston Group and was former owner of the Trench Mine in Arizona, Deer Trail Mine in Utah, etc.

6.-(e) New pickup truck cost $1,700.00, will charge $600.00 for use of same during six months operation.

(f) Only new building will be combination Office, Storage and Change Room to cost $1,500.00.

CONTROLLED CLAIMS - SUBJECT TO FORMAL SURVEY
SECS. 29-30-31 & 32, T13N, R14W & SEC. 6 T12N, R14W.
MOHAVE COUNTY, ARIZONA
APROX ELEV. 3000'



MAP TO ACCOMPANY
DMEA ORDER 1
EXPLOR. APPLICATION
BY
E.S. ARMSTRONG
G.E. WOTKYNS
N.L. GOSS

WOTKYNS - GOSS

E.S. ARMSTRONG (MILLER GROUP)

WOTKYNS - GOSS (NOBLITT-GROUP)

OPTION TO PURCHASE

THIS AGREEMENT made this 21st day of October, 1954 by and between Henrietta E. Miller, First Party, of Parker, Arizona and E. S. Armstrong, Second Party, of Los Angeles, California.

WHEREAS First Party is owner of certain mining properties hereinafter described and is desirous of giving an exclusive option to sell said mining properties, and

WHEREAS Second Party is desirous of entering into an exclusive option to purchase said mining properties upon completion and his receipt of the Recorded Notices of Location.

NOW THEREFORE, in consideration of Second Party doing or causing to have done the location work on the herein described mining properties, provided, however, that said mining claims have been located legally and are valid, First Party agrees to option to Second Party said claims located in the so-called Queens Mining District, Mohave County, Arizona and upon his receipt of the above-mentioned recorded Notices of Location Second Party will hand Five Hundred Dollars ($500.00) to First Party and eighteen months from date hereof will pay an additional Two Thousand Dollars ($2,000.00) as payment in full for the following described mining properties, to wit:

> Ten mining claims namely, Teddy Bear, Saddle Bag, Don No. 1, Rain Bird, Rain Cloud, Don Lee, Bob, Kookie, Butterfly & Sun Ray in the Queens Mining District on the Alamo-Kingman Road about seven miles southwesterly of Signal, Arizona and in Sections 29, 30, 31 & 32 T13N, R14W.

Time being the essence of this contract as to the hereinabove mentioned payment in full, and upon the tender of such payment the First Party will execute, acknowledge and deliver at his own cost good and sufficient deeds to the Second Party or such person or company as Second Party shall nominate conveying the said premises clear of encumberance.

In the event Second Party desires to enter into a contract necessitating First Party's written consent to a lien upon said property and production therefrom First Party herewith agrees to furnish a full and complete consent.

It is distinctly understood that this is an option to purchase only and that Second Party may at any time for any reason whatsoever abandon and surrender this option to First Party, provided Second Party has incurred no indebtedness against the property, Second Party shall thereupon be relieved of any further obligation or liability in connection therewith.

It is understood and agreed that in the event Second Party abandons and surrenders this option to purchase the mining properties he shall have thirty (30) days in which to remove from the property any machinery and equipment which he has placed thereon.

This option to purchase shall be binding upon the parties thereto, their heirs, successors and assigns.

IN WITNESS WHEREOF the parties hereto have set their hands and seals the day and year first above written.

(Signed) Henrietta E. Miller
First Party

(Signed) E. S. Armstrong
Second Party

(SEAL) STATE OF ARIZONA
COUNTY OF YUMA

Before me, Arnold J. Pfeifer, personally appeared Henrietta E. Miller this 21st day of October, 1954.

My Commission Expires Dec. 9, 1955

MINING LEASE AND BOND

THIS AGREEMENT made this first day of April, 1955, by and between Lolon Noblitt of Brawley, California, Lessor and G. S. Wotkyns and Norman L. Goss of Helendale, California, Walter M. Sim of Duarte, California, Lessees.

W I T N E S S E T H

That the said lessor for and in consideration of the sum of Six Thousand Dollars ($6,000.00), receipt of which is hereby acknowledged, and of the royalties hereinafter expressed, and by the said lessees to be kept and performed, have granted demised and let, and by these presents do grant, demise and let unto the said lessees, all the following described mine and mining property situated in the Queens/Owens Mining District, County of Mohave, Arizona, to wit:

> Six mining claims namely, Elva, Ann, Jake, Ethel, Lida and Jack all in the Queens/Owens Mining District at Two Windmills on the Alamo-Kingman Road and about seven miles south of Signal, Arizona in Secs. 31 &32, T13N, R14W.

Together with appurtenances to have and to hold unto the said lessees for the term of five (5) years, expiring at noon on the first day of April, 1960, unless sooner forfeited or determined thru the violation of any covenant hereinafter reserved, and in consideration of said demise the said lessees do covenant and agree with the said lessor as follows, to wit:

Commencing May 1, 1955 lessees agree to make monthly payments of $1,000.00, covering all six claims, or a 10% royalty whichever sum is the greatest; all royalty payments to be figured after first deducting freight and smelter charges. All monthly payments or royalty payments to be applied on the purchase price of said properties as hereinafter outlined.

The lessees agree to abide by all laws and regulations of the United States and the State of Arizona concerning the operation herein provided and to hold the lessor free and clear of any and all debts, liens or labor claims or other obligations by reason of said operations by said lessees.

It is understood and agreed that lessees reserve the right at any time when not in default hereunder to surrender and quit-claim to lessor all of lessees' right, title and interest, and upon such surrender and quit-claim the lessees shall be relieved of any further liabilities or obligations in connection with the demised premises.

And in consideration of the foregoing lease and expenditures to be made thereunder, and the well and faithful keeping of the covenants thereof, said lessees shall have the right to purchase the said premises, together with all improvements, for the sum of One Hundred Thousand Dollars ($100,000.00) which sum includes the abovementioned Six Thousand Dollars ($6,000.00) and any and all monies paid as royalties as hereinbefore expressed.

Time being the essence of this contract as to such payment, and upon the tender of such payment the lessor will execute, acknowledge and deliver at his own cost good and sufficient deeds to the lessees or such person or company as lessees shall have nominated conveying the said premises clear of encumberance.

The forfeiture, surrender or termination of the above lease for any cause shall render the option void and the above mentioned payments may not thereafter be tendered.

It is expressely agreed and understood that this agreement shall be considered as an option to purchase only and not as obliging the said lessees to purchase said property.

It is further understood and agreed that in the event the lessees abandon this lease and surrender this option to purchase the mining property they shall have thirty (30) days in which to remove from the property any machinery and equipment which he has placed thereon, provided there has incurred no indebtedness against the property.

This indenture shall be binding upon the parties hereto, their heirs, successors and assigns.

IN WITNESS WHEREOF the parties hereto have set their hands and seals the day and year first above written.

(Signed) Lelon Noblitt
Lessor

(Signed) G. E. Watkyns

" _____

" _____

Lessees

OPTION AGREEMENT

In consideration of the sum of TEN DOLLARS ($10.00), receipt of which is hereby confessed and acknowledged and of other good and valuable considerations, Lelon Noblitt of Parker, Arizona hereby gives to G. E. Wotkyns and Norman L. Goss of Holendale, California and Walter N. Six of Duarte, California an option to purchase the herein described mining claims, to wit:

1. The property subject to this option is

   Six mining claims namely, Elva, Ann, Jake, Ethel, Lida and Jack all in Queens/Owens Mining District at Two Windmills on the Alamo-Kingman Road and about seven miles south of Signal, Arizona in Secs. 31 & 32, T13N, R14W.

2. This option shall be in full force and effect for a period of six (6) months from date hereof and shall expire at six o'clock P.M. on April 1, 1955.

3. The purchase price, terms, covenants and conditions of this option are set forth in detail in the Mining Lease and Bond attached herewith and made a part hereof.

4. It is understood and agreed that this is an option only, and that you shall have the right at any time to withdraw and is not an obligation to purchase said property.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this first day of October, 1954.

(Signed) Lelon Noblitt

Lelon Noblitt

QUITCLAIM DEED

Walter N. Sim of 1810 Wardell Street, Duarte, California in consideration of FOUR HUNDRED DOLLARS ($400.00) to him in hand paid, the receipt of which is hereby acknowledged, does hereby remise, release and forever quitclaim to G. E. Wotkyns all that real property situated in Sections 29, 30, 31 and/or 32, T13N, R14W, County of Mohave, State of Arizona, described as follows:

Twenty mining claims, to wit:

Audry	Ethel	Rain Cloud
Patsy	Ann	Rain Bird
Mudhen	Jake	Don Lee
Eureka	Jack	Koogie
Elva	Lida	Bear
Saddle Bag	Don No. 1	Sun Ray
Bob		Butterfly

TO HAVE AND TO HOLD to the said grantee his heirs or assigns.

WITNESS myhand this tenth day of November, 1954.

(Signed) Walter N. Sim

224 New Customhouse
Denver 2, Colorado

December 28, 1954

Mr. G. E. Wotkyns
Helendale Ranch
Helendale, California

Dear Mr. Wotkyns:

This will acknowledge receipt of your letter dated December 22, 1954 and your application for exploration aid.

Your application is being forwarded to the Washington office for their appropriate action.

Very truly yours,

W. H. KING

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

HMC:jp
cc Subject
Chron

Surname copy

Ching
Ellis
Hedges
Kulsgaard
Selfridge
Johnson

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

MAR 21 1955

Messrs. E. S. Armstrong, G. E. Wetkyns,
and N. L. Coss, Partners
1201 Rives Strong Building
Los Angeles 15, California

Re: Docket No. DMEA-3624
(Uranium, thorium, and rare earths)
Noblitt-Miller Claims
Mohave County, Arizona

Gentlemen:

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

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

Careful study of all our information, although noting a small amount of uranium and thorium mineralization on your property, indicates to us that the probability of disclosing minable ore reserves 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

MChing/gla
3-17-55
cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. J. E. Crawford, Rm. 3641
T. H. Kiilsgaard, Rm. 5224
J. O. Hosted, Rm. 3210, GSA
Code 700
Mr. Ching
DMEA Field Team, Region III (2)

R.C.

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

DOCKET COPY

Ching

March 17, 1955

Summary of Proposed Project

Object: Denial of application for an exploration project.

Docket No.: DMEA-3624

Commodity: Uranium, thorium, and rare earths.

Applicant: E. S. Armstrong, G. E. Wotkyns, N. L. Goss, Partners.
1201 Rives Strong Building
Los Angeles 15, California

Property: 20 mining claims in Sections 29, 30, 31 and 32 in T. 13 N., R. 14 W., and Section 6, T. 12 N., R. 14 W. Mohave County, Arizona
Applicant owns 4 claims and has options to purchase the remaining 16 claims.

Date of Application: December 15, 1954.

Amount of Application: $38,600.00

Work Proposed: 5000 feet of diamond drilling to locate underground ore bodies indicated by "hot spots" in various location holes.
Estimated Cost:

5000 ft. diamond drilling @ $6.00/ft.	$30,000.00
Other costs	8,600.00
Total	$38,600.00

Field Team Report: The application was not referred to the field for investigation and is being recommended for denial on the basis of information submitted with the application and comments by Walter R. Ashwill and Millard L. Reyner of the Phoenix, Arizona, Sub-Office of the A.E.C.

Ashwill inspected the subject property on February 2, 1955, and took scintillometer readings at mine discovery pits. With a background of .007 MR/hr., the highest reading was .15 and the average .057. The most radioactive pit was found on an adjacent property where a selected specimen assayed .185 per cent U_3O_8 radiometrically. The reddish granite and associated pegmatites carry an

"anomalous" amount of thorium and some uranium, and Ashwill noted that interesting amounts of rare earths are reported to be present. He thought that the uranium might be extracted as a by-product in a rare earth-thorium operation.

Reyner inspected the Taylor property and part of the Brant property, adjoining the property covered by the present application. He reported that anomalous radioactivity in the area is more or less confined to small scattered spots, rather than a broad zone. Most of the radioactivity is due to the presence of thorium and is associated with pegmatite dikes, a little fluorite, and some chalcedonic quartz. He believed that unless the owners can delineate a fairly broad area of anomalous radioactivity of such extent that it could contain several million tons if it persisted to a depth of three or four hundred feet, the property does not warrant Government participation in exploration. ?

Commodity Committee Members' Comments:

Geological Survey - E. L. Newcomb, January 5, 1955:

Notes lack of supporting data in application outlining the objectives of the drilling program or justifying the proposed work. A spectrographic analysis attached to the application includes a long list of metals, but uranium was not found in the specimen analyzed, and thorium and rare earths are reported only as "present." It is reasonable to assume that thorium and rare earths are present in such small amounts as to be indeterminable by the spectrographic method.

On March 14, 1955, after reviewing the recently received reports on the property by Ashwill and Reyner, Newcomb recommended orally to M. Ching that the application be denied without further investigation.

Bureau of Mines - John E. Crawford, March 14, 1955:

Discussed application with Washington representative of the A.E.C. and with the rare earth specialist for the Bureau of Mines. All agreed that the application should be denied. The spectrographic analysis of a selected sample from the claim indicated only a trace of thorium and no uranium. No other favorable data was provided by the Applicant.

Rare and Miscellaneous Metals Division:
Michael Ching - March 14, 1955:

The Applicant does not appear competent to adequately carry out an exploration project. His description of the land under 3(a) of the application is unintelligible. The total estimated cost, stated as $37,600.00, does not check with the total of listed costs, which amounts to $38,600.00.

The application as a whole is obviously inadequate, but there may be some significance in the fact that the only specific information regarding mineralization on the property, a spectrographic analysis of a selected specimen, reveals only a trace of thorium and no uranium.

Examinations of this and neighboring properties by A.E.C. field men indicate that anomalous radioactivity, due mostly to the presence of thorium, is confined to small, scattered spots. Scintillometer readings at nine discovery pits failed to show the presence of ore grade material.

Conclusions and Recommendations:

The possibility of making a significant discovery on this property is poor. It is recommended that the application be denied.

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

3/15/55-gla

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 15 1955

March 14, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: Bureau of Mines Member
Uranium Commodity Committee

Subject: DMEA Docket 3624, E. S. Armstrong, G. E. Wotkyns, and N. L. Goss; Queens Mining District, Mohave County, Arizona

I have reviewed the application of Armstrong, Wotkyns, and Goss, DMEA Docket 3624; and I have discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission, and Frank D. Lamb, rare earths specialist for the Bureau of Mines.

We agree that the application be denied. The results of spectrographic analyses of selected sample material from the claims of Armstrong, Wotkyns, and Goss indicate that only a trace of thorium was present in the material and no uranium was found at all. No other data was provided by the applicant which would indicate an examination of the property is warranted.

Because Mr. Wotkyns has inferred that an Atomic Energy Commission representative may have made an examination of mineralization on adjacent claims, Mr. Hosted has requested Ernest Thurlow, Atomic Energy Commission, Salt Lake City, Utah, to have AEC, Phoenix, Arizona, sub-office personnel, make an examination of the Armstrong, Wotkyns, Goss properties. Results of the examination have not been made available to Mr. Hosted.

J. E. Crawford

J. E. Crawford

Attachment

Copy to: Branch of Rare and Precious Metals
Division of Minerals
J. O. Hosted (2)
J. E. Crawford (2)

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

March 14, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: Bureau of Mines Member
Uranium Commodity Committee

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J. E. Crawford

Attachment

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Division of Minerals
J. O. Hosted (2)
J. E. Crawford (2)

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

March 14, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: Bureau of Mines Member
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J. E. Crawford

Attachment

Copy to: Branch of Rare and Precious Metals
Division of Minerals
J. O. Hosted (2)
J. E. Crawford (2)

Joseph O. Hosted, Geologist
Division of Raw Materials, Washington

March 2, 1955

Ernest E. Thurlow, Chief
Salt Lake Exploration Branch

DMEA-3624 - - QUEENS MINING DISTRICT, MOHAVE COUNTY, ARIZONA

Symbol: SLEB:EET;af

Reference is made to your letter of February 10, 1955 on the subject.

The attached copies of correspondence from Millard Reyner and Walter Ashwill are self-explanatory. You will note that the only possibility here appears to be a tremendous tonnage, low-grade proposition.

Enclosures:
Cy memos as above dtd 2/23 and 2/28/55, w/cy map

cc: M. L. Reyner, Chief, Phoenix Sub-Office

C 3730

Dudley L. Davis, Assistant Chief
SLEB, DRM, Salt Lake City, Utah

28 Feb 1955

Millard L. Reyner, Chief
PSO, SLEB, DRM, Phoenix, Arizona

DMEA-3624 - QUEENS MINING DISTRICT, MOHAVE COUNTY, ARIZONA

SUMBOL: PSO:SLEB:MLR:flo

Mr. Ashwill's comments on the subject area are attached. I have been over the Taylor property and part of the Brant property. I presume that the owners of the Watkyns property are applying for a loan to try to develop a large low-grade producer of uranium ore.

The anomalous radioactivity in the area under consideration is more or less confined to small, scattered spots, rather than a broad zone. Most of the radioactivity is due to the presence of thorium and is associated with pegmatite dikes, a little fluorite, and some chalcedonic quartz.

It is my opinion that unless the owners can delineate a fairly broad area of anomalous radioactivity of such an extent that it could contain several million tons if it persisted to a depth of three or four hundred feet, the property does not warrant Government participation in exploration.

Encl.
As above

c
o
p
y

Dudley L. Davis, Assistant Chief
SLEB, DRM, Salt Lake City, Utah

23 Feb 1955

Walter R. Ashwill, Assistant Chief
PSO, SLEB, DRM, Phoenix, Arizona

DMEA-3624 - QUEENS MINING DISTRICT, MOHAVE COUNTY, ARIZONA

SYMBOL: PSO:SLEB:WRA:flo

In reply to your memorandum dated February 15, 1955, subject as above, you are advised that I looked over the Watkyns property in Mohave County, Arizona, in company with Mr. C. E. Watkyns and Mr. B. S. Armstrong, on February 2, 1955.

The following scintillometer (LaRoe FV-6S) readings were recorded:

Background - .007 MR/hr.

Maximum	- .08	- Lyda Discovery Pit
"	- .03	- Euryka Discovery Pit
"	- .10	- Audry Discovery Pit
"	- .03	- Patsy Discovery Pit
"	- .03	Don #1 Discovery Pit
"	- .055	- Rainbird Surface
"	- .02	- Rainbird Discovery Pit
"	- .018	- Butterfly Discovery Pit
"	- .15	- Elva Discovery Pit

The most radioactive pit found was on the adjacent C. E. Brant property. A select specimen, Sample #A-2978, assayed .185% radiometrically.

The reconnaissance report (A-P-307) on the Taylor property, just south of Watkyns', gives more complete assays. The two areas are similar as to rock types and amount of radioactivity and its occurence. The approximate location of the Taylor property is shown on the enclosed map.

The reddish granite and associated pegmatites carry an anomalous amount of thorium and some uranium. Interesting amounts of rare earths are reported to be present.

The uranium might be extracted as a by-product in a rare-earth-thorium operation.

c
o
p
y

3/2/55 gla

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

Defense Minerals Administration
RECEIVED
MAR 2 - 1955

March 1, 1955

Memorandum

To: Ernest W. Ellis, DMEA Member
Uranium Commodity Committee

From: Bureau of Mines Member
Uranium Commodity Committee

Subject: DMEA Docket 3624, E. S. Armstrong, G. E. Wotkyns, and N. L. Goss, Mohave County, Arizona

I am holding the application of Armstrong, Wotkyns, and Goss, DMEA Docket 3624, pending receipt of comments from Ernest Thurlow, Atomic Energy Commission, Salt Lake City, Utah. Joseph O. Hosted, Washington representative of the AEC, requested a report from Mr. Thurlow several weeks ago on the area included in the claims of Armstrong, Wotkyns, and Goss.

John E. Crawford

John E. Crawford

Copy to: Branch of Rare and Precious Metals
Division of Minerals
J. O. Hosted (2)
J. E. Crawford (2)

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

March 1, 1955

Memorandum

To: Ernest W. Ellis, DMEA Member
Uranium Commodity Committee

From: Bureau of Mines Member
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John E. Crawford

Copy to: Branch of Rare and Precious Metals
Division of Minerals
J. O. Hosted (2)
J. E. Crawford (2)

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

March 1, 1955

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Uranium Commodity Committee

From: Bureau of Mines Member
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John E. Crawford

Copy to: Branch of Rare and Precious Metals
Division of Minerals
J. O. Hosted (2)
J. E. Crawford (2)

1/7/55 gla

IN REPLY REFER TO:

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

Defense Minerals Administration
RECEIVED
JAN 6 1955

January 5, 1955

Re: DMEA-3624
Armstrong, Wotkyns, & Goss
(Noblitt-Miller Claims)
$37,600
Uranium-Thorium

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

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

Subject: Review of application

The applicant describes his proposed exploration as "prospect drilling to locate underground ore bodies as presently indicated by 'hot spots' in various location holes."

There is no supporting data which either outlines the objectives of the drilling program or justifies the applicant's request for DMEA exploration assistance. The one map submitted merely indicates the location of the claims. The spectrographic analysis attached to the application includes a long list of metals, but uranium was not found in the specimen which was analyzed, and thorium and rare earths are reported only as 'present'. It is reasonable to assume that thorium and rare earths are present in such small amounts as to be indeterminable by the spectrographic method.

The description of the proposed drilling as "prospect drilling" probably is an accurate expression of the nature of the work; however, he mentions 'hot spots' in location holes. A request should be made for more information about the results obtained in these previous holes.

We do not have any information available in our files on the applicant's claim groups.

The application in its present form does not provide sufficient data for a geological evaluation.

I noted in the Field Team letter of December 3, 1954 to Mr. G. E. Wotkyns that the last paragraph stated "Upon the receipt of your application the Region IV Field Team will have field

December 31, 1954
Subject: DMEA-3624
Re: Exploration Assistance

Mr. E. S. Armstrong, et al.
1201 Rives Strong Bldg.
Los Angeles 15, Calif.

Gentlemen:

The receipt of your application dated December 15, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3624 and referred to the Rare and Miscellaneous Metals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

60932

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 30 1954

224 New Customhouse
Denver 2, Colorado

December 28, 1954

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Application of G. E. Wotkyns, E. S. Armstrong, and N. L. Goss (Uranium), Mohave County, Arizona

Enclosed are four copies of the subject application in the amount of $37,600.00, together with copies of our previous correspondence with Wotkyns.

The applicants request "Prospect drilling", but no mention is made of a definite geologic target, or number, location and depth of proposed drill holes. They are most desirous of obtaining a field examination but have failed to submit enough information to warrant it.

The application is not acceptable in its present form and is forwarded to you for appropriate action.

W H King
W. H. King

Enclosures

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 30 1954

224 New Customhouse
Denver 2, Colorado

December 28, 1954

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Application of G. E. Wotkyns, D. S. Armstrong, and N. L. Goss (Uranium), Mohave County, Arizona

Enclosed are four copies of the subject application in the amount of $37,600.00, together with copies of our previous correspondence with Wotkyns.

The applicants request "Prospect drilling", but no mention is made of a definite geologic target, or number, location and depth of proposed drill holes. They are most desirous of obtaining a field examination but have failed to submit enough information to warrant it.

The application is not acceptable in its present form and is forwarded to you for appropriate action.

W H King
W. H. King

Enclosures

DEC 30 1954

224 New Customhouse
Denver 2, Colorado

December 28, 1954

Mr. G. E. Wotkyns
Helendale Ranch
Helendale, California

Dear Mr. Wotkyns:

This will acknowledge receipt of your letter dated December 22, 1954 and your application for exploration aid.

Your application is being forwarded to the Washington office for their appropriate action.

Very truly yours,

W. H. KING

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

HHC:jp
cc Subject
Chron

G. E. WOTKYNS
INVESTMENTS
HELENDALE RANCH
HELENDALE CALIFORNIA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 30 1954
Mining Division
Date Rec'd.
DEC 27 1954
BUREAU OF MINES
Denver, Colorado

December 22, 1954

United States Department of the Interior
Mr. W. H. King
Executive Officer
DMEA Field Team, Region IV
224 New Customhouse
Denver 2, Colorado

Dear Mr. King:

Pursuant to your letter of the 3rd instant regarding a Field Team examination of our twenty claims in the Queens Mining District, Mohave County, Arizona and outlining the procedures pertinent to such Field Team examination I enclose herewith Form MF-103 in quadruplicate, with accompanying explanatory Exhibit page, together with a claim map (map calls out named claims where "hot spots" at location holes indicate exploratory work should be done) and exact copies of documents by which we control the properties.

I would like at this time to mention that the adjoining property to the west, some sixteen claims, belonging to a Mr. C. E. Brant of Wenden, Arizona was inspected by an engineer, Mr. Olin Heart, who was either with the A.E.C. or Bureau of Mines. Mr. Heart made this examination as the result of Mr. Brant's request to an office, A.E.C. or Bureau of Mines, in Phoenix some five or six months ago. Perhaps you are already familiar with this work.

Awaiting your reply, Iam

Very truly yours,

G. E. Wotkyns

G. E. Wotkyns

[illegible] New Customhouse
Denver 2, Colorado

December [illegible]

Mr. G. B. Wotkyns
1200 Rives-Strong Building
Ninth & Spring Streets
Los Angeles 15, California

Dear Mr. Wotkyns:

This will acknowledge receipt of your letter dated November 29, 1954, regarding your twenty claims in the Queens Mining District of Mohave County, Arizona, and requesting that the Field Team examine your property.

We are not permitted to make a field examination until the applicant has submitted a DMEA application. We are enclosing five copies of Form MF-103, Application for Exploration Assistance, a copy of DMEA Order-1 Amended, and a booklet containing questions and answers on the Defense Minerals Exploration Administration program.

If it is your desire to explore your property for tungsten, and you believe the same is warranted, you may send your application to this office or direct to the Defense Minerals Exploration Administration, Department of the Interior, Interior Building, Washington 25, D. C.

An application consists of Form MF-103 completed in full in quadruplicate, and the fifth copy is for your file. All copies of the completed application forms should be accompanied by a map or sketch showing the location of the proposed work with relation to the property lines.

Upon the receipt of your application the Region IV Field Team will have field examiners make an examination of your property.

Very truly yours,

W. E. King

W. E. King
Executive Officer
DMEA Field Team, Region IV

Enclosures

WEK:dn
cc: Subject
Green

VANDIKE 0734

G. E. WOTKYNS
1200 RIVES-STRONG BUILDING
NINTH & SPRING STREETS
LOS ANGELES 15

Mining Division
Mine Inv.
2 - 1954
OF MINES
Denver, Colorado

November 29, 1954

United States Department of the Interior
Executive Officer, DMEA
224 New Customhouse Building
Denver 2, Colorado

Dear Sir:

My associates and I have recently completed all legal location work on twenty claims in the Queens Mining District of Mohave County, Arizona.

These claims adjoin the C. E. Brant claims on the north and east and the old McCracken Mine properties. It is my understanding that a field team from the Phoenix, Arizona office has made a preliminary examination of Mr. Brant's properties and is therefore somewhat familiar with the district.

I would like to have a field team examine our find as we are of the opinion that the properties definitely warrant immediate action due to the high thorium content and, so far, reasonable U_3O_8 values found on the surface and to a depth of ten feet. I am enclosing herewith a copy of a spectographic analysis which is self explanatory to a degree.

Should your office so indicate it is possible that we might request an application for exploration aid from the Government in proper sequence.

If it is necessary to have a principal at the property when you survey same kindly let me know the date of your planned trip and I will be there.

Very truly yours,

G. E. Wotkyns

Encls.

COPY

CHEMICAL ENGINEERS AND CHEMISTS
METALLURGICAL AND TESTING ENGINEERS
920 SANTEE STREET
LOS ANGELES 15
CALIFORNIA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 30 1954

LABORATORY No. 892500

Date [illegible] 15, 1954.

Sample Rock

Received 11-11-54 Marked "S[illegible]

Submitted by E. S. Armstrong,
1201 Rives-Strong Building,
112 West 9th Street,
Los Angeles 15, California.

REPORT OF QUALITATIVE SPECTROGRAPHIC EXAMINATION

Element	Approximate Quantity
Silicon, Aluminum	Major Constituents.
Sodium, Potassium, Calcium, Zirconium	Intermediate Constituents.
	Minor Constituents:
Iron	[illegible]
Barium	0.[illegible]%
Magnesium	0.3%
Titanium	0.5%
Manganese	0.05%
Strontium	0.01%
Copper	0.005%
Vanadium	0.005%
Gallium	0.005%
Lead	[illegible].05%
Boron	0.005%
Chromium	[illegible]
Thorium	Not found —
Rare Earths	Not found —
Tungsten	Not found —
Columbium	Not found —
Nickel	Not found —
Cobalt	Not found —
Uranium	Not found —

Respectfully submitted,

CHEMICALS AND ENGINEERING.

All reports are submitted as the confidential property of clients. Authorization for publication of any reports, conclusions, or extracts from or regarding them is reserved pending our written approval as a mutual protection to the public and ourselves.

(See statements on reverse side regarding qualitative spectrographic [illegible])

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
DEC 30 1954

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. 3624
Metal or Mineral Uranium, Thorium, & Rare Earths
Date Received
Estimated Cost $37,600
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: E. S. Armstrong, 1201 Rives Strong Bldg., Los Angeles 15, Calif.
G. E. Wotkyns Helendale Ranch, Helendale, California "
N. L. Goss 1000 East Green Street, Pasadena 1, California
Above three individuals comprise a partnership

(*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

(*b*) State any mine name by which the property is known. No name as yet.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner and purchaser under contract (See Map exhibit)

(*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. See exhibit

(*e*) If you own the land, describe any liens or encumbrances on it Unpatented claims subject to legal conditions only.

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

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. Location holes only readily accessible.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None.

(*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. Gen'l. area pegmatite sill w/intrusions, hi radio-activity.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. County road adjoins property; pickup truck can traverse most all claims.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power. Manpower, materials, supplies, equipment readily available; water for domestic & drilling use presently consists of 2 wells (See map); nearest power line less than one mile south from nearest property line.

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Uranium, Thorium and rare earths

(*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. See exhibit and Map

(*c*) The work will start within 20 days and be completed within six 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. See exhibit

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.). Aprox. 5000' contract drilling (all costs) about $6.00/ft.

(*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. Supervision, engr'g., $2,500.00

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

(*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. Contractor to furnish everything.

(*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. No bldg's. on property, 1 new pickup owned by us.

(*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. See exhibit

(*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. Analytical/Act'g. $1,000; Contractor assumes balance.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above. $3,000.00 allowed for contingencies; total estimated costs $37,600.00.

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. We will deposit money in Bank. ~~in advance~~

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

[X] Money [ ] 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 15, 1954

E. S. Armstrong, G. E. Wotkyns, N. L. Goss
(Applicant)

By G. E. Wotkyns
G. E. Wotkyns

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
DEC 30 1954

EXHIBITS

ACCOMPANYING APPLICATION FOR AID
EXPLORATION PROJECT, DMEA ORDER 1

BY

E.S.ARMSTRONG
G.E.WOTKYNS
N.L.GOSS

3.-(a) Subject to formal survey the following is land under location:
T13N,R14W, Mohave County, Arizona
Sec. 29 - N½SWSW, SW, SWSW, W½NWSESW.
Sec. 30 - SESE, E½SWSE, E½W½SWSE, SESWNWSE, SWSENWSE.
Sec. 31 - S½SW, SE, E½NE, E½NWNE, E½SWNE.
Sec. 32 - W½W½NWNW, W½W½SWNW, SENWSWNW, NESWSWNW, W½W½NWSW, W½W½SWSW.
T12N,R14W, Mohave County, Arizona
Sec. 6 - NWNWNWNE, NENENENW.
See Claim Map attached.

(c) See Claim Map attached.

(d) Reference copy of recorded document.

(f) Book 4-H of Mines, Pages 5,6,7,8,256,257,258,259,260,261,262, 263 & 264; Book 4-G of Mines, Pages 147,148,149,150,151-152,153.

4.-(e) Yucca, Arizona on AT&SF RR (siding available) 35 miles northwesterly over good graded and county maintained road; Kingman, Arizona or Needles, California equidistant from Yucca on Hwy. 66.

5.-(b) Prospect drilling to locate underground ore-bodies as presently indicated by "hot spots" in various location holes. Particularly on the Patsy, Audry, Mudhen claims owned by us (unpatented); Elva Jack, Jake claims of the Noblitt Group (unpatented) under option to us and the Sun Ray, Rainbird, Rain Cloud claims of the Miller Group under option to us (unpatented). Option copies enclosed.

(d) E. S. Armstrong has had over forty years of mining and oil exploration experience in the United States, Mexico, Alaska and in South America and will supervise the operators. He was assistant to Jasper McCaskill in the first examination of the Braden Copper Mine in Chile in 1908, was General Manager of Jerome Del Monte Mine, made examination of the Premier Mine in Alaska for The First Boston Group and was former owner of the Trench Mine in Arizona, Deer Trail Mine in Utah, etc.

6.-(e) New pickup truck cost $1,700.00, will charge $600.00 for use of same during six months operation.

(f) Only new building will be combination Office, Storage and Change Room to cost $1,500.00.

OPTION TO PURCHASE

THIS AGREEMENT made this 21st day of October, 1954 by and between Henrietta E. Miller, First Party, of Parker, Arizona and E. S. Armstrong, Second Party, of Los Angeles, California.

WHEREAS First Party is owner of certain mining properties hereinafter described and is desirous of giving an exclusive option to sell said mining properties, and

WHEREAS Second Party is desirous of entering into an exclusive option to purchase said mining properties upon completion and his receipt of the Recorded Notices of Location.

NOW THEREFORE, in consideration of Second Party doing or causing to have done the location work on the herein described mining properties, provided, however, that said mining claims have been located legally and are valid, First Party agrees to option to Second Party said claims located in the so-called Queens Mining District, Mohave County, Arizona and upon his receipt of the above-mentioned recorded Notices of Location Second Party will hand Five Hundred Dollars ($500.00) to First Party and eighteen months from date hereof will pay an additional Two Thousand Dollars ($2,000.00) as payment in full for the following described mining properties, to wit:

> Ten mining claims namely, Teddy Bear, Saddle Bag, Don No. 1, Rain Bird, Rain Cloud, Don Lee, Bob, Kookie, Butterfly & Sun Ray in the Queens Mining District on the Alamo-Kingman Road about seven miles southwesterly of Signal, Arizona and in Sections 29, 30, 31 & 32 T13N, R14W.

Time being the essence of this contract as to the hereinabove mentioned payment in full, and upon the tender of such payment the First Party will execute, acknowledge and deliver at his own cost good and sufficient deeds to the Second Party or such person or company as Second Party shall nominate conveying the said premises clear of encumberance.

In the event Second Pabty desires to enter into a contract necessitating First Party's written consent to a lien upon said property and production therefrom First Party herewith agrees to furnish a full and complete consent.

It is distinctly understood that this is an option to purchase only and that Second Party may at any time for any reason whatsoever abandon and surrender this option to First Party, provided Second Party has incurred no indebtedness against the property, Second Party shall thereupon be relieved of any further obligation or liability in connection therewith.

It is understood and agreed that in the event Second Party abandons and surrenders this option to purchase the mining properties he shall have thirty (30) days in which to remove from the property any machinery and equipment which he has placed thereon.

This option to purchase shall be binding upon the parties thereto, their heirs, successors and assigns.

IN WITNESS WHEREOF the parties hereto have set their hands and seals the day and year first above written.

(Signed) Henrietta E. Miller
First Party

(Signed) E. S. Armstrong
Second Party

(SEAL) STATE OF ARIZONA
COUNTY OF YUMA

Before me, Arnold J. Pfeifer, personally appeared Henrietta E. Miller this 21st day of October, 1954.

My Commission Expires Dec. 9, 1955

MINING LEASE AND BOND

THIS AGREEMENT made this first day of April, 1955, by and between Lelon Noblitt of Brawley, California, Lessor and G. E. Wotkyns and Norman L. Goss of Helendale, California, Walter N. Sim of Duarte, California, Lessees.

W I T N E S S E T H

That the said lessor for and in consideration of the sum of Six Thousand Dollars ($6,000.00), receipt of which is hereby acknowledged, and of the royalties hereinafter expressed, and by the said lessees to be kept and performed, have granted demised and let, and by these presents do grant, demise and let unto the said lessees, all the following described mine and mining property situated in the Queens/Owens Mining District, County of Mohave, Arizona, to wit:

> Six mining claims namely, Elva, Ann, Jake, Ethel, Lida and Jack all in the Queens/Owens Mining District at Two Windmills on the Alamo-Kingman Road and about seven miles south of Signal, Arizona in Secs. 31 &32, T13N, R14W.

Together with appurtenances to have and to hold unto the said lessees for the term of five (5) years, expiring at noon on the first day of April, 1960, unless sooner forfeited or determined thru the violation of any covenant hereinafter reserved, and in consideration of said demise the said lessees do covenant and agree with the said lessor as follows, to wit:

Commencing May 1, 1955 lessees agree to make monthly payments of $1,000.00, covering all six claims, or a 10% royalty whichever sum is the greatest; all royalty payments to be figured after first deducting freight and smelter charges. All monthly payments or royalty payments to be applied on the purchase price of said properties as hereinafter outlined.

The lessees agree to abide by all laws and regulations of the United States and the State of Arizona concerning the operation herein provided and to hold the lessor free and clear of any and all debts, liens or labor claims or other obligations by reason of said operations by said lessees.

It is understood and agreed that lessees reserve the right at any time when not in default hereunder to surrender and quit-claim to lessor all of lessees' right, title and interest, and upon such surrender and quit-claim the lessees shall be relieved of any further liabilities or obligations in connection with the demised premises.

And in consideration of the foregoing lease and expenditures to be made thereunder, and the well and faithful keeping of the covenants thereof, said lessees shall have the right to purchase the said premises, together with all improvements, for the sum of One Hundred Thousand Dollars ($100,000.00) which sum includes the abovementioned Six Thousand Dollars ($6,000.00) and any and all monies paid as royalties as hereinbefore expressed.

Time being the essence of this contract as to such payment, and upon the tender of such payment the lessor will execute, acknowledge and deliver at his own cost good and sufficient deeds to the lessees or such person or company as lessees shall have nominated conveying the said premises clear of encumberance.

The forfeiture, surrender or termination of the above lease for any cause shall render the option void and the above mentioned payments may not thereafter be tendered.

It is expressely agreed and understood that this agreement shall be considered as an option to purchase only and not as obliging the said lessees to purchase said property.

It is further understood and agreed that in the event the lessees abandon this lease and surrender this option to purchase the mining property they shall have thirty (30) days in which to remove from the property any machinery and equipment which he has placed thereon, provided there has incurred no indebtedness against the property.

This indenture shall be binding upon the parties hereto, their heirs, successors and assigns.

IN WITNESS WHEREOF the parties hereto have set their hands and seals the day and year first above written.

(Signed) Lelon Noblitt
Lessor

(Signed) G. E. Wotkyns

" _____

" _____

Lessees

OPTION AGREEMENT

In consideration of the sum of TEN DOLLARS ($10.00), receipt of which is hereby confessed and acknowledged and of other good and valuable considerations, Lelon Noblitt of Parker, Arizona hereby gives to G. E. Wotkyns and Norman L. Goss of Helendale, California and Walter N. Sim of Duarte, California an option to purchase the herein described mining claims, to wit:

1. The property subject to this option is

   Six mining claims namely, Elva, Ann, Jake, Ethel, Lida and Jack all in Queens/Owens Mining District at Two Windmills on the Alamo-Kingman Road and about seven miles south of Siganl, Arizona in Secs. 31 & 32, T13N, R14W.

2. This option shall be in full force and effect for a period of six (6) months from date hereof and shall expire at six o'clock P.M. on April 1, 1955.

3. The purchase price, terms, covenants and conditions of this option are set forth in detail in the Mining Lease and Bond attached herewith and made a part hereof.

4. It is understood and agreed that this is an option only, and that you shall have the right at any time to withdraw and is not an obligation to purchase said property.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this first day of October, 1954.

(Signed) Lelon Noblitt
Lelon Noblitt

QUITCLAIM DEED

Walter N. Sim of 1810 Wardell Street, Duarte, California in consideration of FOUR HUNDRED DOLLARS ($400.00) to him in hand paid, the receipt of which is hereby acknowledged, does hereby remise, release and forever quitclaim to G. E. Wotkyns all that real property situated in Sections 29, 30, 31 and/or 32, T13N, R14W, County of Mohave, State of Arizona, described as follows:

Twenty mining claims, to wit:

Audry	Ethel	Rain Cloud
Patsy	Ann	Rain Bird
Mudhen	Jake	Don Lee
Eureka	Jack	Koogie
Elva	Lida	Bear
Saddle Bag	Don No. 1	Sun Ray
Bob		Butterfly

TO HAVE AND TO HOLD to the said grantee his heirs or assigns.

WITNESS myhand this tenth day of November, 1954.

(Signed) Walter N. Sim

OFFICIAL BUSINESS

MINNEAPOLIS DEC 1 7 PM 1954 MINN.

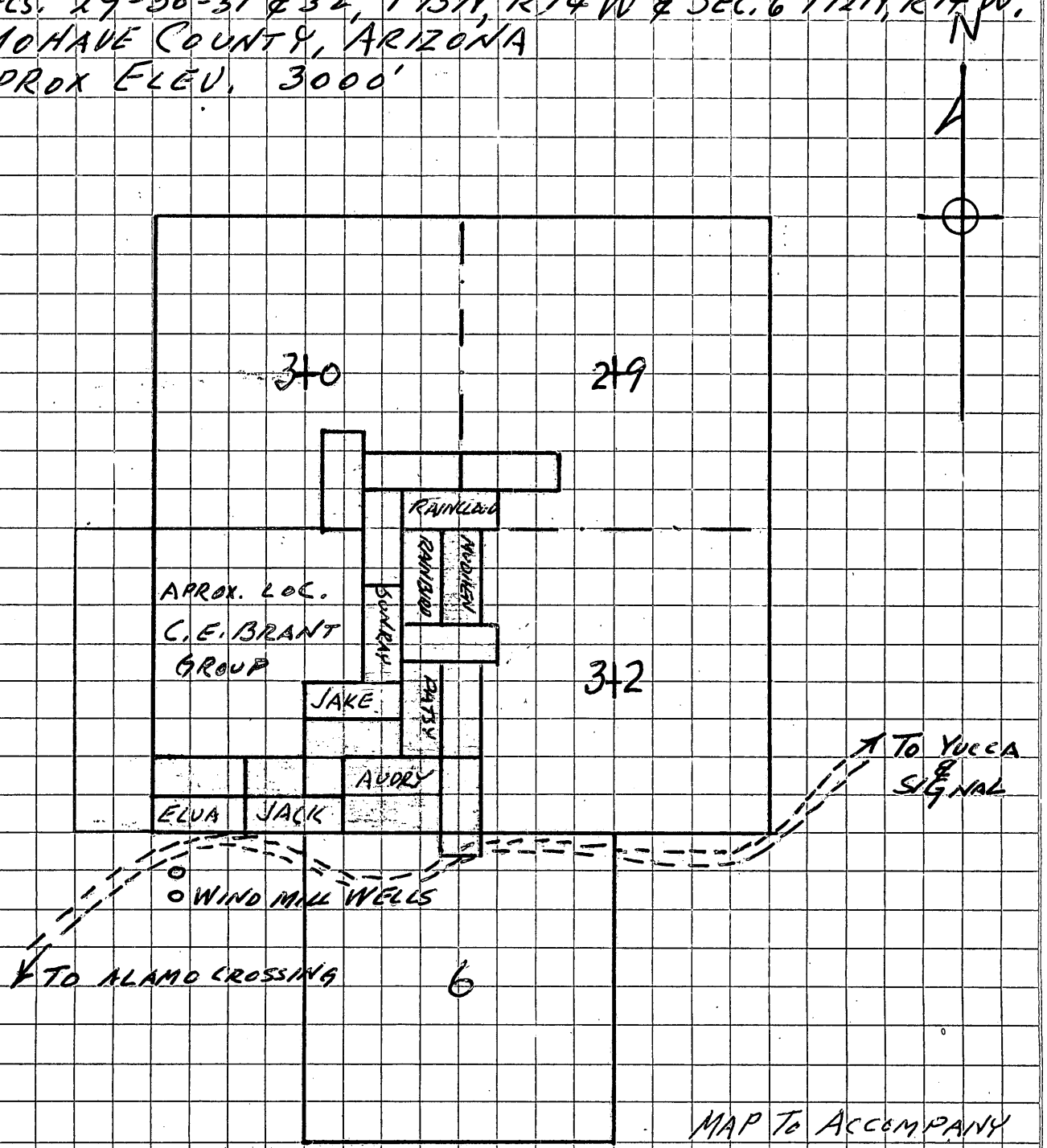
MINNEAPO DEC 1 7 PM 1954 MINN.

MINNEAPOLIS 1 7 PM 1954 MINN.

Operating Committee
Defense Minerals Exploration Administration
Washington, D. C.

FIRST CLASS MAIL

CONTROLLED CLAIMS - SUBJECT TO FORMAL SURVEY
SECS. 29-30-31 & 32, T13N, R14W & SEC. 6 T12N, R14W.
MOHAVE COUNTY, ARIZONA
APROX ELEV. 3000'



MAP TO ACCOMPANY
DMEA ORDER 1
EXPLOR. APPLICATION
BY
E.S. ARMSTRONG
G.E. WOTKYNS
N.L. GOSS

WOTKYNS - GOSS

E.S. ARMSTRONG (MILLER GROUP)

WOTKYNS - GOSS (NOBLITT - GROUP)

IN REPLY REFER TO:

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

Defense Min
JAN 6 1955

January 5, 1955

Re: DMEA-3624
Armstrong, Wotkyns,
& Goss
(Noblitt-Miller
Claims)
$37,600
Uranium-Thorium

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

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

Subject: Review of application

The applicant describes his proposed exploration as "prospect drilling to locate underground ore bodies as presently indicated by 'hot spots' in various location holes."

There is no supporting data which either outlines the objectives of the drilling program or justifies the applicant's request for DMEA exploration assistance. The one map submitted merely indicates the location of the claims. The spectrographic analysis attached to the application includes a long list of metals, but uranium was not found in the specimen which was analyzed, and thorium and rare earths are reported only as present. It is reasonable to assume that thorium and rare earths are present in such small amounts as to be indeterminable by the spectrographic method.

The description of the proposed drilling as "prospect drilling" probably is an accurate expression of the nature of the work; however, he mentions 'hot spots' in location holes. A request should be made for more information about the results obtained in these previous holes.

We do not have any information available in our files on the applicant's claim groups.

The application in its present form does not provide sufficient data for a geological evaluation.

I noted in the Field Team letter of December 3, 1954 to Mr. G. E. Wotkyns that the last paragraph stated "Upon the receipt of your application the Region IV Field Team will have field

examiners make an examination of your property." Although a field examination may ultimately be warranted, on basis of the present application this procedure is not a foregone conclusion.

I recommend further substantiating information, i.e. geologic maps, results from previous drilling, objectives of proposed program, etc. be requested from the applicant before a field referral is made.

E. L. Newcomb

ELNewcomb:hlm
G-1/5/55

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641 Interior

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DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
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