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

Defense Minerals Administration
NOV 29 1954

224 New Customhouse
Denver 2, Colorado

November 26, 1954

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: Code 200

From: Executive Officer, DMEA Field Team, Region 1V

Subject: Docketing for Exploration Assistance

Enclosed herewith in duplicate is DMEA Form 3a and MF-103 and supporting data pertaining to the following applications for Government assistance in exploration work:

Maricopa Minerals Company (Columbium)

Nugget Coal & Timber Company (Uranium)

North West Development Company (Uranium)

for John F. Shaw
W. H. King

Enclosures

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

NOV 29 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. 3586
Metal or Mineral Columbium
Date Received
Estimated Cost $33,300
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: Maricopa Minerals Company, P.O.Drawer 988, Oklahoma City 1, Okla.
Oklahoma Corporation. Noland Smith, President, P.O.Drawer 271, El Reno, Okla.
John C. McConnell, Kenneth Richardson, Bill M. Bonebrake, all vice-presidents,
Blanton E. Hoover, Secy-treas. 701 1st Nat Bank Bldg., Oklahoma City, Okla.

(*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 Sections 14, 15, 21, 22 & 23, Tp 2 South, Range 4 West, Maricopa County, Arizona.

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner by right of mineral location to Secs 14 and 23; lessee under purchase option Secs 15,21, 23.

(*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. Copy of lease and option attached.

(*e*) If you own the land, describe any liens or encumbrances on it No encumbrances

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.
Book & page numbers in attached lease and option contract.

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.

16—66551-1

See attached sheet for description.

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Columbium, Tantalum, Uranium, Thorium, 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 Sheet 1A.

(*c*) The work will start within 30 days and be completed within 6 months from the date of an exploration project contract.

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

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.

See attached statement and maps

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 ☒ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

See attached sheet

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 16 November, 1954

Marion Minerals Company
(Applicant)

By Sewell Thomas

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

Sheet 1A-

Item 5 (b). DMEA aid is requested in the sum of 75% of a total estimated cost for exploration of $33,300.00, of which 25% will be furnished by Maricopa Minerals Company in "use value" of equipment to be furnished by them. This "use value" is in excess of the sum of $8,325.00 which will be Maricopa Minerals contribution to the project, leaving $24,975.00 to be applied for as aid under the terms provided in DMEA Order No. 1, of the Defense Production Act of 1950, as amended.

The exploration program Maricopa Minerals has planned is as follows: Drilling with churn drill using casing ahead of drilling to the extent of a total of 1400 feet of hole. The heavy mineral in the gravel will be all saved by washing, and that from each hole assayed by wet method. Water is obtainable from a well, 4 miles distant. Maricopa Minerals will furnish a tank truck and pump for service. Map No 1 shows the areas to be explored. Holes will be sunk on a gridwork at approximately 200 foot squares. It is shown on Map No 2, in red, where the work will start and how it will proceed for Block A. The same proceedure will be followed on Blocks B, C and D. It is estimated that the average depth of holes from surface to bedrock will be 15 feet.

Detailed estimates of the cost of the drilling, of water supply, moving in and out, use value of equipment, supervision, assaying, overhead, etc. will be found on Sheets 1 and 2, attached to this application.

It is planned to move drilling tools and equipment to the property and to start work and carry it on continuously as soon as this application may be approved and contract has been executed.

COPY

Item 4. Physical Description. (a) During the summer of 1954, 46 holes from 6 to 9.5 feet in depth were dug, large gravel samples were taken from each hole and washed for recovery of the heavy minerals of the gravels. The holes are shown on Map No 1, herewith. 30 of them were dug on a 200-ft checkerboard pattern; 16 of them were dug as location holes on Sections 14, 23. No other mine workings, nor production facilities. The Company interest lies in ownership of part of the property and as lessee of the rest.

(b). No past or current production. Ore reserves, proved by the above work, are estimated at 625,000 cubic yards of an average content of 0.52% combined tantalum-columbium pentoxide.

(c). The gravels are typical desert talus gravels, deposited by violent storms of short duration. They are made up from decomposition and weathering of a country rock of basic granite (probably diorite) that is traversed by innumerable pegmatite dikes that carry seggregations of euxenite, samarskite, polycrase, monazite, columbite. It has been found that these gravels contain from 12 to 30 lbs of heavy mineral per cubic yard; it is easily and cheaply recovered by open pit and simple washing techniques. We have explored only the upper portions of the gravel and now wish to get to bedrock on the areas already explored and to widen the proved up area for additional ore reserves, with a view to undertaking production operations. Map No 2, shows the area explored, assays for each hole, quantity of heavy mineral recovered and depths dug.

(d). The gravels are reached from Buckeye, Arizona, by road. One route, directly south of Buckeye, is 10 miles long; 3 miles good road, 7 miles poor road; a second route via U.S.80 for 21 miles, then 8 miles by pipeline road along El Paso Natural Gas lines. A car can be driven almost to the holes that have been dug. Residence point is Buckeye, 10 miles distant. That also is nearest rail point, and supply center.

(e). Necessary manpower is ample at Buckeye and Phoenix. This is true also for supplies, materials, equipment, etc. Power lines are not over 2 to 3 miles distant. Water is available in sufficient quantity from wells if drilled on Sections 27 and 28, also owned by the Company.

Item 5. The Exploration Project. (b) The proposed work will consist of holes drilled to bedrock, and spaced 200 feet apart in the areas shown in red on Map No 1, herewith. The heavy mineral from each hole will be collected and assayed, depth of hole recorded, and yardage calculated.

(d). Sewell Thomas, signing the application on behalf of the Maricopa Minerals Co by authority of a Board resolution, copy of which is attached hereto, is a graduate mining engineer, with 45 years experience in general mining of which a great deal has been with placer deposits. He is a registered Professional Engineer in the State of Colorado. He will supervise the operations, to be carried out by a driller with 25 years of experience drilling placers and aggregate deposits and dam locations.

Item 6. Estimate of Costs.

(a) We do not plan on contracting any of the work.

(b) Drill crew will consist of 2 drillers and 1 panner, 1 roustabout, driver for water truck. Drillers $2.50, panner $2.75, Roustabout $1.50 and truck driver $2.00 per hour. Total wages $91.00 per day.

The average days work for this kind of drilling is about 15 feet of hole. Casing has to be driven and pulled, the drill rig has to be moved from hole to hole, probably nearly every day since I estimate the average hole to be 14 to 15 feet.

Hence cost per foot, this item $6.07

(b)ctd.	Consultant	$30.00 per day	
	Supervisor	25.00	
		$55.00	
	Supervision per ft	$3.67	

(c) Operating Materials & Supplies.
Water supply for drilling is hauled by tank truck.

Gasolene for truck	$3.00 per day	
Oil & Grease	1.00	
Power for pump	1.50	$5.50
Pick-up truck, gas	$3.00	
Oil & grease	1.00	$4.00
Drill rig-		
Gasoline	$10.00	
Oil & grease	2.00	$12.00
Total Supplies		$21.50
Operating repairs		$ 5.00
Total (c)		$26.50
Per foot of hole		$1.77

(d) Operating Equipment.
Drill rig, consisting of churn drill truck-mounted, drill tools, casing, rocker, float for transportation, tractor-- Value $15,000.00

Water tank truck	7,500.00
Placer washer machine	750.00
Pickup truck	2,000.00
Miscellaneous screens, gas cans, tools, pipe, hoses, etc	500.00
	$25,750.00

Estimated rental, or use-allowance

Drill outfit, per day	$60.00
Tank truck	20.00
Pick-up	10.00
Other tools & machinery	5.00
	$95.00
Per foot of hole	$6.33
Moving equipment in and out, per foot	1.00

(e). Rehabilitation & Repairs.
No cost for this item.

(f) Installation of pump in water well	$300.00
Cost per foot of hole	$0.20

(g) Miscellaneous--

Repairs & Maintenance	$ 7.50
Assays, 1 sample per day	30.00
Accounting	5.00
Comp., empl liab., soc. sec. & payroll taxes	12.50
	$55.00
Per foot of hole	$3.66

(h) Contingencies--
Bulldozer for 5 days to make crossings of arroyos for drill rig $700.00

Per foot of hole	$0.50
Miscellaneous, per foot	.50

Grand total, per foot of hole $23.70

Item 7. Equipment listed above is furnished by Maricopa Minerals Co.

COPY

NOV 29 1954

STATE OF OKLAHOMA)
) ss
OKLAHOMA COUNTY)

Comes now BLANTON W. HOOVER and being first duly sworn, deposes and states:

(1) That he is the Secretary of Maricopa Minerals Co., an Oklahoma corporation qualified to do business in Arizona and is in charge of their corporate minutes and resolutions.

(2) That the following is a true and correct copy of a Resolution unanimously adopted by its Board of Directors at a lawfully called meeting thereof held on October 22, 1954, to-wit:

> "BE IT RESOLVED, that Sewell Thomas, on behalf of this company, be and is hereby authorized to prepare and submit its application to the Defense Minerals Exploration Administration of Denver, Colorado for an exploration loan in the amount of $25,000.00 and to do all things in connection therewith on behalf of the company as in his judgment should be done, provided only that if such an application be granted, that the final contract papers relative to such loan be submitted to the officers of this company for their approval and execution.
>
> "BE IT FURTHER RESOLVED, that the officers of the company are hereby authorized and directed to execute such contract and other instruments affecting said loan in the name of and on behalf of the company in such terms as they shall deem suitable and proper and without further authorization of this Board.
>
> "BE IT FURTHER RESOLVED, that the secretary of the company is authorized and directed to certify to the authorities herein granted in such manner as he shall deem proper and in such form as the interested parties may request or require."

FURTHER Affiant saith not.

Blanton W Hoover
Blanton W. Hoover, Secretary

(CORPORATE SEAL)

Subscribed and sworn to before me a Notary Public in and for said county and state, this 29th day of October, 1954.

Mrs. June Tate
Notary Public

My Commission expires:
9-3-56

STATE OF OKLAHOMA)
) ss
OKLAHOMA COUNTY)

Comes now BLANTON W. HOOVER and being first duly sworn, deposes and states:

(1) That he is the Secretary of Maricopa Minerals Co., an Oklahoma corporation qualified to do business in Arizona and is in charge of their corporate records.

(2) That there follows a description of the docket and page numbers at which certain placer claims now owned by the company are recorded in Maricopa County, Arizona, to-wit:

Names of Claims	Docket	Page	Location of Claim
Good Earth Placer #1	1279	494	Sec. 15, T2S, R4W
Good Earth Placer #2	1279	495	Sec. 15, T2S, R4W
Good Earth Placer #3	1279	496	Sec. 15, T2S, R4W
Good Earth Placer #4	1279	497	Sec. 15, T2S, R4W
Good Earth Placer #5	1279	498	Sec. 21, T2S, R4W
Good Earth Placer #6	1279	499	Sec. 21, T2S, R4W
Good Earth Placer #7	1279	500	Sec. 22, T2S, R4W
Good Earth Placer #8	1279	501	Sec. 22, T2S, R4W
Good Earth Placer #9	1279	502	Sec. 22, T2S, R4W
Good Earth Placer #10	1279	503	Sec. 22, T2S, R4W
Good Earth Placer #11	1279	504	Sec. 21, T2S, R4W
Good Earth Placer #12	1279	505	Sec. 21, T2S, R4W
Annabel Placer #1	1291	464	Sec. 14, T2S, R4W
Annabel Placer #2	1291	465	Sec. 14, T2S, R4W
Annabel Placer #3	1291	466	Sec. 14, T2S, R4W
Annabel Placer #4	1291	467	Sec. 14, T2S, R4W
Annabel Placer #5	1291	468	Sec. 23, T2S, R4W
Annabel Placer #6	1291	469	Sec. 23, T2S, R4W
Annabel Placer #7	1291	470	Sec. 23, T2S, R4W
Annabel Placer #8	1291	471	Sec. 23, T2S, R4W

(3) That the originals of said claims, indicating the above recording location, are in the possession of this Affiant and that all of them have been assigned to this company and are now owned by it, except that the Good Earth Placer claims above described are subject to a lease executed between Maricopa Minerals Co. and John L. Holt and Viola W. Holt on June 17, 1954, a true and correct copy of which is attached hereto.

(4) That the duly elected officers and addresses of the Maricopa Minerals Co., are this date as follows:

Name	Address	Office
Noland F. Smith	701 1st National Bldg. Okla. City, Okla.	President
John C. McConnell	701 1st National Bldg. Okla. City, Okla.	Vice-President
Kenneth Richardson	701 1st National Bldg. Okla. City, Okla.	Vice-President
Bill M. Benebrake	701 1st National Bldg. Okla. City, Okla.	Vice-President
Blanton W. Hoover	701 1st National Bldg. Okla. City, Okla.	Secretary-Treasurer

FURTHER Affiant saith not.

Blanton W Hoover
Blanton W. Hoover, Secretary

(CORPORATE SEAL)

Subscribed and sworn to before me a Notary Public this 29th day of October, 1954.

Mrs. June Tate
Notary Public

My Commission expires:
9-3-56

6/21/55 gla

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

RECEIVED JUN 20 1955

224 New Customhouse
Denver 2, Colorado

June 14, 1955

Memorandum

To: Chairman of the Operating Committee, DMEA

From: Field Team, Region III

Subject: Report of Examination, Docket DMEA-3586 (Columbium, tantalum, thorium, uranium, rare earths), Maricopa Minerals, Inc., Maricopa County, Arizona

Enclosed are the original and three copies of the report pertaining to the above application.

The applicant's sample contained less than 0.02% U_3O_8 and less than 0.05% combined columbium and tantalum. Concentrates were analyzed for the rare metals but none were found. No evidence was submitted of the presence of thorium.

We recommend that the application be denied.

W. M. Traver

Enclosures

for D R MacKaren
E. N. Harshman

Reviewed by
DMEA OPERATING COMMITTEE
6-24-55
(date)

Surname copy

Ching
Huhon
Kiilsgaard
Selfridge
Johnson

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

Mr. Sewell Thomas
Maricopa Minerals Company
P. O. Drawer 988
Oklahoma City 1, Oklahoma

JUL - 8 1955

Re: Docket No. DMEA-3586 (Columbium, tantalum, uranium, thorium, rare earths)
Good Earth Placers
Maricopa County, Arizona

Dear Mr. Thomas:

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 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
7-7-55
cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. Horace T. Reno, Rm. 3641
T. H. Kiilsgaard, Rm. 5224
Code 700
Mr. Ching
DMEA Field Team, Region III (2)

R.A.S.

DOCKET COPY

Ching

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

WASHINGTON 25, D. C.

July 7, 1955

Summary of Proposed Project

Object: Denial of application for an exploration project.

Docket No. DMEA-3586

Commodity: Columbium, tantalum, uranium, thorium, rare earths.

Applicant: Maricopa Minerals Company, an Oklahoma corporation
P. O. Drawer 988
Oklahoma City 1, Oklahoma

Property: Good Earth Placers, consisting of 20 placer claims, Good Earth Placer Nos. 1-12 and Annabel Placer Nos. 1-8, occupying all of sections 14, 15, 21, 22 and 23, T. 2 S., R. 4 W., Maricopa County, Arizona. Applicant is owner by location of the 8 Annabel Placer claims and lessee of the 12 Good Earth Placer claims.

Date of Application: November 16, 1954

Amount of Application: $33,300.00

Work Proposed: 1400 feet of churn drilling on 200-foot squares on four blocks of ground within the subject property. Average depth about 15 feet. Estimated cost per foot hole - $23.70.

Field Team Report: June, 1955. W. R. Hardwick, USBM, and Leonid Bryner, USGS.

The gravels on the property form an extensive apron sloping about 3 degrees in a southerly direction from the foot of Buckeye Hills to Rainbow Wash. The Applicant had dug 30 test pits 6 to 8 feet deep with a hoe-type power shovel and taken and tested large samples from these pits. Based on these tests Applicant estimated the presence of 625,000 cubic yards of gravel containing 0.052% combined columbium-tantalum pentoxide.

The examining team cut 12 large samples from 12 of the pits mentioned above to check the Applicant's results. These samples were quartered and tabled to obtain a black sands concentrate. The concentrate was assayed in the laboratory of the Southwest Experiment Station in Tucson. When no columbium or tantalum was found, the samples were analyzed again and checked with a spectroscope. Some samples were also sent to the Intermountain Experiment station at Salt Lake City for further checking. No columbium or tantalum was found.

The examining team then returned to the property and took a 600-pound sample from a pit where one of the highest grade samples reported by the Applicant was taken. This large sample was carefully concentrated, but the concentrate showed only a trace of columbium-tantalum.

It was concluded that the proposed exploration project would not find significant amounts of columbium and tantalum, and that the application should be denied.

Commodity Committee Members' Comments:

Geological Survey - N. E. Nelson - July 1, 1955

The conclusions of the examining team are well supported and the recommendation of denial is justified and concurred in.

Bureau of Mines - Horace T. Reno - July 6, 1955

I agree with the Field Team recommendation that the application be denied.

Rare and Miscellaneous Metals Division - Michael Ching - July 6, 1955

The thorough manner in which the field examiners took samples to check the Applicant's results, the careful concentration of the samples and the results of the analyses, all prove rather conclusively that significant amounts of columbium and tantalum are not likely to be found on the subject property by the proposed exploration. The presence of uranium also appears to be insignificant.

Conclusions and Recommendations:

It is concluded that the reported results of preliminary work on the part of the Applicant were in error and that significant amounts of columbium and tantalum would not be found by the proposed exploration. It is recommended that the application be denied.

Michael Ching

Michael Ching
For: Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

7/6/55 gla

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

RECEIVED
JUL - 6 1955

July 6, 1955

Memorandum

To: E. W. Ellis, Director, Rare and Miscellaneous Metals Division, DMEA

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

Subject: Report of Examination. DMEA Docket No. 3586 (columbium, tantalum, thorium, uranium, rare earths)

I agree with the Field Team recommendation that the application be denied.

Horace T. Reno
Horace T. Reno

Enclosure

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

RECEIVED
JUL - 6 1955

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Enclosure

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

RECEIVED
JUL - 6 1955

July 5, 1955

Memorandum

To: E. . Ellis, Director, Rare and Miscellaneous Metals Division, DMEA

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

Subject: Report of Examination. DMEA Docket No. 3586 (columbium, tantalum, thorium, uranium, rare earths)

I agree with the Field Team recommendation that the application be denied.

Horace T. Reno

Enclosure

HTReno:jtmc

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

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

RECEIVED
JUL - 6 1955

July 6, 1955

Memorandum

To: F. A. Ellis, Director, Rare and Miscellaneous Metals Division, DMEA

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

Subject: Permit of Examination, DMEA Docket No. 3586 (columbium, tantalum, thorium, uranium, rare earths)

I agree with the Field Team recommendation that the application be denied.

Horace T. Reno

Enclosure

HTReno:jtmc

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

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

July 6, 1955

RECEIVED
JUL - 6 1955

Memorandum

To: [illegible] Ellis, Director, Rare and Miscellaneous Metals Division, DMTA

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

Subject: Report of Examination. DMTA Docket No. 3586 (columbium, tantalum, thorium, uranium, rare earths)

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Horace T. Reno

Enclosure

HTReno:jtmc

Copy to: Division of Minerals
Branch of Rare and Precious Metals
H. T. Reno
DMTA (3 copies)
FILE

7/6/55 gla

IN REPLY REFER TO:

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

RECEIVED
JUL - 6 1955

July 1, 1955

Re: DMEA 3586
Maricopa Minerals Co.
Good Earth Placers
Maricopa, Ariz.
Columbium-Tantalum

Memorandum

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

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

Subject: Review of Field Team report.

The conclusions of the Examining Team are well supported and the recommendation of denial is justified.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

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NENelson:iml
G-7/1/55

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

IN REPLY REFER TO:

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

RECEIVED
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IN REPLY REFER TO:

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

RECEIVED
JUL - 6 1955

July 1, 1955

Re: DMEA 3545
Maricopa Minerals Co.
Good Earth Placers
Maricopa, Ariz.
Columbium-Tantalum

Memorandum

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

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

Subject: Review of Field Team report.

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I concur with the recommendation.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-7/1/55

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

6/27/55 gla

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

RECEIVED
JUN 20 1955

224 New Customhouse
Denver 2, Colorado

June 14, 1955

Memorandum

To: Chairman of the Operating Committee, DMEA

From: Field Team, Region III

Subject: Report of Examination, Docket DMEA-3586 (Columbium, tantalum, thorium, uranium, rare earths), Maricopa Minerals, Inc., Maricopa County, Arizona

Enclosed are the original and three copies of the report pertaining to the above application.

The applicant's sample contained less than 0.02% U_3O_8 and less than 0.05% combined columbium and tantalum. Concentrates were analyzed for the rare metals but none were found. No evidence was submitted of the presence of thorium.

We recommend that the application be denied.

W. M. Traver

Enclosures

for D R MacLaren
E. N. Harshman

Reviewed by
DMEA OPERATING COMMITTEE
6-24-55
(date)

C O P Y

LEASE AND OPTION

THIS AGREEMENT made and entered into this 17th day of June, 1954, by and between JOHN L. HOLT and VIOLA W. HOLT, husband and wife, Maricopa County, Arizona, hereinafter called the LESSORS, and MARICOPA MINERALS COMPANY, a Corporation, organized and existing under the laws of the State of Oklahoma, hereinafter called the LESSEE, WITNESSETH:

That the lessors for and in consideration of the rents, royalties, covenants and agreements hereinafter expressly to be paid, kept and performed by the lessee, have leased, let and demised, and by these presents do lease, let and demise unto the lessee the following described mining property and premises situated in the Buckeye Mining District, Maricopa County, Arizona, to-wit:

NAMES OF CLAIMS	DOCKET	PAGE
Rare Earth Lode #1	1279	489
Rare Earth Lode #2	1279	490
Rare Earth Lode #3	1279	491
Rare Earth Lode #4	1279	492
Rare Earth Lode #5	1279	493
Good Earth Lode #6	1279	483
Good Earth Lode #7	1279	484
Good Earth Lode #8	1279	485
Good Earth Lode #9	1279	486
Good Earth Lode #10	1279	487
Good Earth Lode #11	1279	488
Good Earth Placer No. 1	1279	494
Good Earth Placer No. 2	1279	495
Good Earth Placer No. 3	1279	496
Good Earth Placer No. 4	1279	497
Good Earth Placer No. 5	1279	498
Good Earth Placer No. 6	1279	499
Good Earth Placer No. 7	1279	500
Good Earth Placer No. 8	1279	501
Good Earth Placer No. 9	1279	502
Good Earth Placer No. 10	1279	503
Good Earth Placer No. 11	1279	504
Good Earth Placer No. 12	1279	505
New Horizons Ext. No. 1	1342	565
New Horizons Ext. No. 2	1342	566
New Horizons No. 2	1342	567
New Horizons No. 3	1342	568
New Horizons No. 4	1342	569
New Horizons No. 5	1342	570
New Horizons No. 6	1342	571
New Horizons Lode	1295	339
New Horizons Placer No. 1	1295	340
New Horizons Placer No. 2	1295	343
New Horizons Placer No. 3	1295	344
New Horizons Placer No. 4	1295	345
New Horizons Placer No. 5	1295	346
New Horizons Placer No. 6	1295	347
New Horizons Placer No. 7	1295	348
New Horizons Placer No. 8	1295	349

There are now ten (10) un-recorded lode claims and four 160 acre placer claims located in the Jupiter Group all additional claims that are located shall become a part of this Jupiter Group and shall be recorded and shall be a part of this contract.

All of the above records being records in the office of the County Recorder of Maricopa County, Arizona.

TO HAVE AND TO HOLD the above described premises for the purpose of mining from the_____day of June 1954, until the_____day of June 1974, unless this lease is terminated by the lessee purchasing said mining claims by the payment to the lessors of the sum of One Hundred Thousand and no/100 ($100,000.00) Dollars by payment of the minimum payments and royalties hereinafter provided for in this agreement, or otherwise during the term of this lease, in which event the lessors shall transfer title to said claims to lessee as hereinafter provided.

The lessee in consideration of the premises has and does hereby covenants with the lessors and their executors, administrators and assigns as follows:

1. To enter upon said leased premises and to make such preliminary explorations and examinations as may be necessary to determine whether other and additional development and mining operations shall be carried on on said claims. To conduct any mining operations thereon in a miner-like fashion so as to maintain such property as a workable mining property.

2. To allow the lessors, or their agents, from time to time to enter upon and into all parts of the leased premises for the purpose of inspection and to render to lessors proper assistance in making such inspections of the property.

3. To occupy and hold as the property of the lessors all deposits of every kind which may be uncovered, disclosed and discovered within said leased premises by the lessee, or any person or persons in privity with the privilege to said lessee to work and mine the same as part and parcel of said premises.

4. To pay all taxes against said premises for any product mined, or shipped, or otherwise.

5. To assume all responsibility relating to the protection of the interests of the lessors regarding any and all annual assessment work required by law.

6. To pay to the lessors a minimum of Four Hundred and no/100 ($400.00) Dollars per month until the termination of this lease under any of the events herein set forth, such payments to be made in the following manner:

(a) Payment to the lessors of a royalty of five percent (5%) of the gross value of all uranium or other minerals mined or produced from said property. ~~PROVIDED, HOWEVER, that in calculating the gross value of such uranium, or other products, the cost of mining the same shall be deducted from the value thereof.~~ deleted (S) J.L.H. V.W.H.

(b) IT IS UNDERSTOOD that the payment of Four Hundred and No/100 ($400.00) Dollars per month minimum shall be paid to the lessors in any event, and; IT IS FURTHER UNDERSTOOD that in the event the royalties provided for herein shall exceed the sum of Four Hundred and no/100 ($400.00) Dollars in any month, the lessors shall be paid such additional sum as shall represent the amount by which such royalties shall exceed the sum of Four Hundred and no/100 ($400.00) Dollars.

(c) IT IS FURTHER UNDERSTOOD and AGREED that in the event the lessee exercises the option hereby given to it to purchase said property, all payments theretofore made, whether by way of guaranteed monthly payments, or royalty, shall be credited upon the agreed purchase price of One Hundred Thousand and no/100 ($100,000.00) Dollars.

The lessors in consideration of the premises have and do hereby covenant and agree with the lessee, its successors and assigns, that in the event the lessee exercises the option to purchase herein provided for, to convey all of the described property to the lessee by a good and sufficient Mining Deed, the said premises to be free and clear of all liens and encumbrances at the time of such conveyances.

The lessee agrees to post and keep posted such non-liability notices as the lessors may furnish to protect the lessors and the said property against any claims of creditors of the lessee.

Lessees agree to keep records of the shipments and sales of ores mined by lessee and to make all settlements with the lessors for royalties based upon such records.

IT IS FURTHER AGREED between the parties hereto that the lessee shall have the right and option of terminating this lease and surrendering the property to the lessors upon written notice to the lessors of such intention to terminate thirty (30) days prior to the date of such termination and that thereupon and thereafter the lessee shall have no further obligation or duty to the lessors except such as may have accrued and be unsettled at the time of such termination and surrender.

In the event of the termination of this lease, except by the purchase of the property by the lessee, the lessee shall have the right to remove from the premises all machinery, equipment and other improvements placed thereon by the lessee with ninety (90) days after the termination of such lease.

This agreement shall be binding upon the lessors and their respective heirs, executors, administrators and assigns and upon the lessee, its successors and assigns.

(Signed) JOHN L. HOLT
John L. Holt

(Signed) VIOLA W. HOLT
Viola W. Holt
LESSORS

MARICOPA MINERALS COMPANY,
a Corporation,

(SEAL)

By (Signed) NOLAND F. SMITH
President

ATTEST:

(Signed) BLANTON W. HOOVER
Secretary

STATE OF ARIZONA)
) ss.
COUNTY OF MARICOPA)

On this, the 17th day of June, 1954, before me, EVELYN CHRISTENSEN, the undersigned officer, personally appeared JOHN L. HOLT and VIOLA W. HOLT, known to me (or satisfactorily proven) to be the persons whose names are subscribed to the within instrument and that they executed the same for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

(Signed) EVELYN CHRISTENSEN
Notary Public

(SEAL)
My Commission Expires:
October 17, 1954

STATE OF OKLAHOMA)
) ss.
County of Oklahoma)

On this the 19th day of June, 1954, before me, MRS. JUNE TATE, the undersigned, a Notary Public, personally appeared Noland F. Smith and Blanton W. Hoover, who acknowledged themselves to be the President and Secretary, respectively, of MARICOPA MINERALS COMPANY, a corporation, and they, as such officers being authorized so to do, executed the foregoing instrument for the purposes therein contained, by signing the name of the corporation by himself as President and Secretary, respectively.

(SIGNED) MRS. JUNE TATE
Notary Public

(SEAL)
My Commission Expires:
9-3-56

INDEXED
PAGED

61057

STATE OF ARIZONA)
) ss
COUNTY OF MARICOPA)

I hereby certify that the within instrument was filed and recorded at request of SNELL & WILMER, 1954 June 28 2 48 in Docket 1380 on page 505 to 510 Inc.

Witness my hand and official seal the day and year aforesaid.

ROBERT O. LAVEEN
County Recorder

By L. R. MAHAFFEY
Deputy Recorder

4.35

703 Heard Bldg.

A G R E E M E N T

THIS AGREEMENT made and entered into this 14 day of November, 1954, by and between JOHN L. HOLT and VIOLA W. HOLT, husband and wife, Maricopa County, Arizona, as First Parties and MARICOPA MINERALS CO., an Oklahoma corporation qualified to do business in the State of Arizona, Second Party,

W I T N E S S E T H:

THAT WHEREAS, First Parties as Lessors leased unto Second Party by agreement dated June 17, 1954, the following described mining property and premises situated in the Buckeye Mining District, Maricopa County, Arizona, to-wit:

Names of Claims	Docket	Page
Good Earth Placer No. 1	1279	494
Good Earth Placer No. 2	1279	495
Good Earth Placer No. 3	1279	496
Good Earth Placer No. 4	1279	497
Good Earth Placer No. 5	1279	498
Good Earth Placer No. 6	1279	499
Good Earth Placer No. 7	1279	500
Good Earth Placer No. 8	1279	501
Good Earth Placer No. 9	1279	502
Good Earth Placer No. 10	1279	503
Good Earth Placer No. 11	1279	504
Good Earth Placer No. 12	1279	505

and,

WHEREAS, Second Party now desires to make application to the Defense Minerals Exploration Administration for a loan in the amount of Twenty-five Thousand Dollars ($25,000.00) for the purpose of further exploring said above described property and others, and

WHEREAS, Second Party has requested First Parties to consent to said loan for such purposes and to subordinate their rights therein where necessary for its purposes, to the rights of the said Defense Minerals Exploration Administration, which consent First Parties are willing to give.

NOW THEREFORE, in consideration of the mutual benefits to be derived therefrom, First Parties do hereby consent and agree that Second Party may file such application and execute such pledges, assignments, etc. affecting the above described property, to the said Defense Minerals Exploration Administration as Second Party may find necessary in connection with the application for an exploration loan in the amount of Twenty-five Thousand Dollars ($25,000.00) and in connection with the assignment, pledging or mortgaging of its interest therein to the said Defense Minerals Exploration Administration as appear proper if

said application for a loan is approved and a loan made, and for that purpose, the undersigned agree that their interest therein will thereby be subordinated to the interest of the claims, interest and liens of the Defense Minerals Exploration Administration.

IN WITNESS WHEREOF, the First Parties have hereunto set their hands the day and date first above written.

FIRST PARTIES:

John L. Holt
John L. Holt

Viola W. Holt
Viola W. Holt

SECOND PARTY:

Maricopa Minerals Co., an Oklahoma corporation

ATTEST:

By _____
President

_____
Secretary

STATE OF Arizona)
) ss
Maricopa COUNTY)

Before me, a Notary Public in and for said county and state, on this 5th day of November, 1954, personally appeared JOHN L. HOLT and VIOLA W. HOLT, husband and wife, to me known to be the identical persons who executed the within and foregoing instrument, and each for themselves acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purposes therein set forth.

Witness my hand and seal the day and year last above written.

My Commission expires:
5-14-56

Ruth S. Grunert
Notary Public

STATE OF _____)
) ss
_____ COUNTY)

Before me, a Notary Public in and for said county and state, on this _____ day of _____, 1954, personally appeared ROLAND F. SMITH, to me known to be the identical person who subscribed the name of the maker thereof to the foregoing instrument as its President and acknowledged to me that he executed the same as his free and voluntary act and deed and as the free and voluntary act and deed of such corporation for the uses and purposes therein set forth.

Witness my hand and seal the day and year last above written.

My Commission expires:
_____

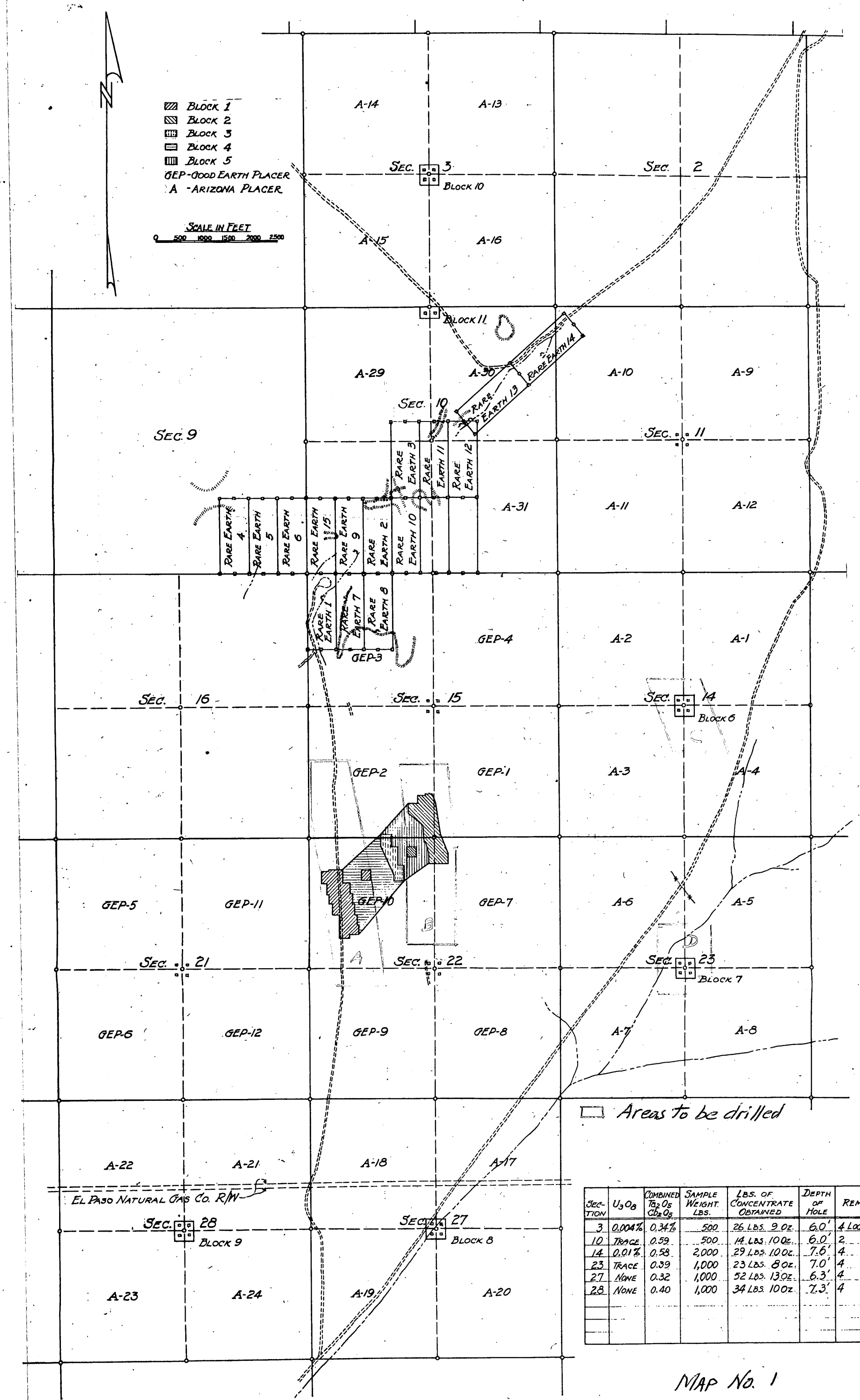
_____
Notary Public

PLAT OF SURVEY OF

ARIZONA AND GOOD EARTH PLACERS AND RARE EARTH LODE CLAIMS IN T.2S., R.4W., BUCKEYE MINING DISTRICT, MARICOPA COUNTY, ARIZONA.

SURVEY NO. 54-3-14 BY: HARRY E. JONES.

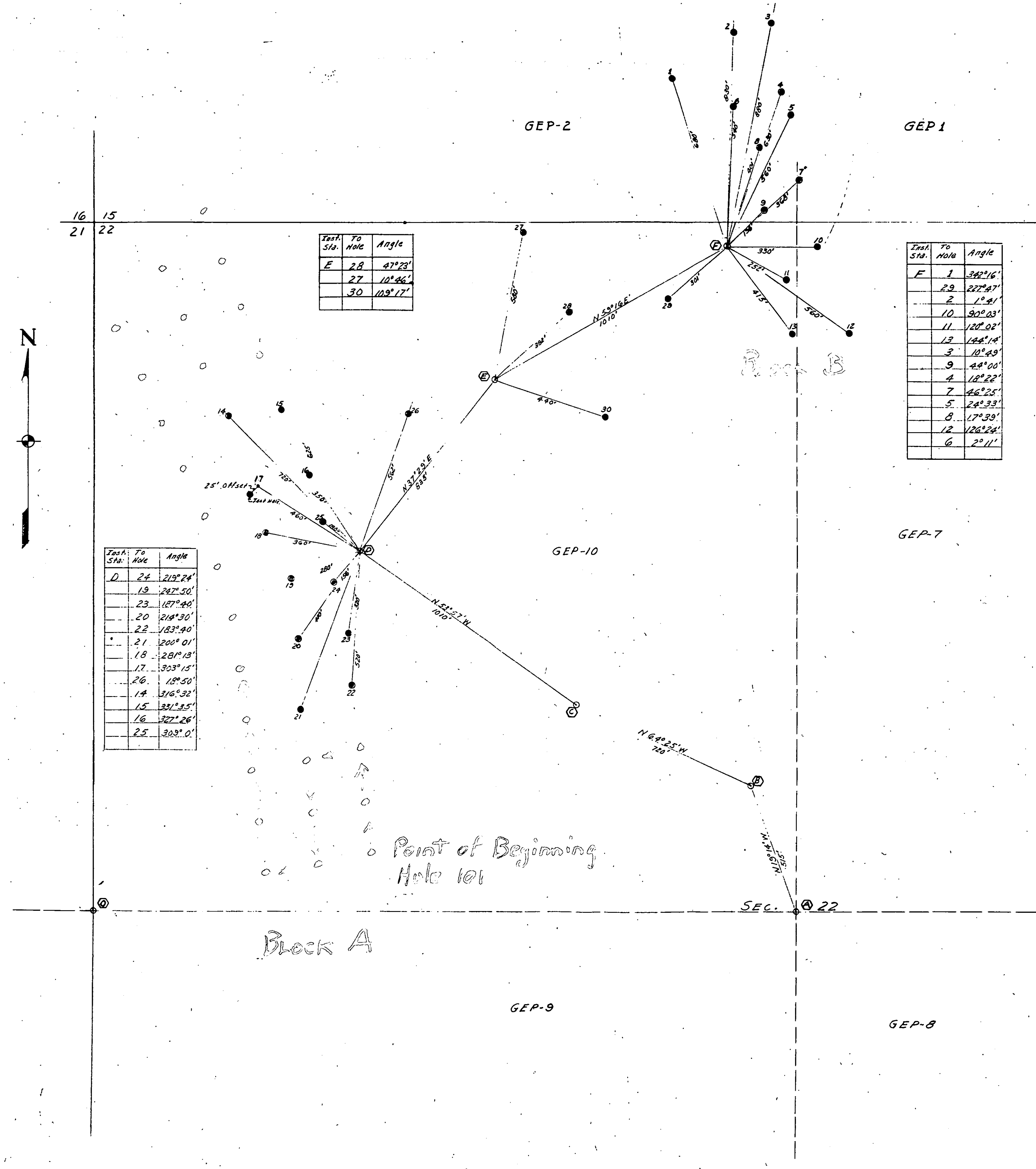
FOR: MARICOPA MINERALS CO.



SECTION	U_3O_8	COMBINED Ta_2O_5 Cb_2O_5	SAMPLE WEIGHT LBS.	LBS. OF CONCENTRATE OBTAINED	DEPTH OF HOLE	REMARKS
3	0.004%	0.34%	500	26 LBS. 9 OZ.	6.0'	4 LOCATION HOLES
10	TRACE	0.59	500	14 LBS. 10 OZ.	6.0'	2 " "
14	0.01%	0.58	2,000	29 LBS. 10 OZ.	7.6'	4 " "
23	TRACE	0.39	1,000	23 LBS. 8 OZ.	7.0'	4 " "
27	NONE	0.32	1,000	52 LBS. 13 OZ.	6.3'	4 " "
28	NONE	0.40	1,000	34 LBS. 10 OZ.	7.3'	4 " "

MAP NO. 1

SEPT. 1, 1954



Inst. Sta.	To Hole	Angle
E	28	47°23'
	27	10°46'
	30	109°17'

Inst. Sta.	To Hole	Angle
F	1	342°16'
	29	227°47'
	2	1°41'
	10	90°03'
	11	120°02'
	13	144°14'
	3	10°49'
	9	44°00'
	4	18°22'
	7	46°25'
	5	24°33'
	8	17°39'
	12	126°24'
	6	2°11'

Inst. Sta.	To Hole	Angle
D	24	219°24'
	19	247°50'
	23	187°40'
	20	214°30'
	22	183°40'
	21	200°01'
	18	281°13'
	17	303°15'
	26	18°50'
	14	316°32'
	15	331°35'
	16	327°26'
	25	309°0'

Hole No.	U_3O_8%	Combined % $Ta_2O_5Cb_2O_5$	Sample Weight Lb.	Lb. of Concentrate Obtained	Depth of Hole	Remarks
1	0.004	2.44	1,580	14 lb. 12 oz.	6.5'	
2	0.003	2.53	1,420	40 lb. 13.5 oz.	8.0'	
3	0.010	3.07	590	35 lb. 0 oz.	8.0'	
4	0.007	0.92	1,325	20 lb. 2 oz.	8.0'	
5	0.009	0.58	1,050	49 lb. 0 oz.	8.0'	
6	Trace	0.52	1,000	36 lb. 4 oz.	8.0'	
7	Trace	0.54	743	23 lb. 3 oz.	8.0'	
8	Trace	0.20	1,000	26 lb. 9 oz.	8.9'	
9	0.010	0.45	1,000	26 lb. 14 oz.	7.2'	
10	0.010	1.15	1,000	20 lb. 15 oz.	8.2'	
11	0.010	3.58	786	20 lb. 12 oz.	8.4'	
12	None	0.50	1,000	28 lb. 5 oz.	8.5'	
13	0.003	0.22	1,000	26 lb. 14 oz.	9.0'	
14	0.003	0.35	1,337	66 lb. 7 oz.	6.2'	
15	0.002	0.32	727	21 lb. 7 oz.	5.6'	
16	0.003	0.34	1,000	25 lb. 13 oz.	5.5'	
17	0.010	0.72	1,000	38 lb. 5 oz.	9.0'	
18	0.017	0.56	1,000	46 lb. 0 oz.	8.5'	
19	0.006	1.41	1,000	36 lb. 15 oz.	8.0'	
20	Trace	0.19	1,000	43 lb. 15 oz.	7.9'	
21	0.004	0.28	1,000	32 lb. 2 oz.	9.4'	
22	Trace	0.53	1,000	26 lb. 12 oz.	9.2'	
23	0.006	0.39	1,000	21 lb. 15 oz.	6.2'	
24	0.006	0.81	1,000	38 lb. 11 oz.	7.7'	
25	None	0.46	733	24 lb. 3 oz.	6.6'	
26	0.010	0.28	1,000	39 lb. 0 oz.	5.2'	
27	0.003	0.48	1,000	38 lb. 1 oz.	7.6'	
28	None	0.14	1,000	29 lb. 11 oz.	8.2'	
29	0.010	0.24	1,000	48 lb. 14 oz.	9.1'	
30	None	0.12	944	28 lb. 6 oz.	7.4'	

T. 2S., R. 4W. MAP No 2

GEP - GOOD EARTH PLACER

SCALE IN FEET

0 100 200 300 400 500 600 700 800 900 1000

MARICOPA MINERALS, INC.

MAP OF SAMPLE PITS & ASSAYS OF CONCENTRATE

WORK DONE JULY 1954

BUREAU OF MINES

(PMGC)

OFFICIAL BUSINESS

U. S. Bureau of Mines
Custom House
Sansome Street
San Francisco 11, California

Defense Minerals Exploration Administration
Interior Building
Washington 25, D. C.

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

Defense Minerals Administration
NOV 29 1954

224 New Customhouse
Denver 2, Colorado

November 26, 1954

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: Code 200

From: Executive Officer, DMEA Field Team, Region 1V

Subject: Docketing for Exploration Assistance

Enclosed herewith in duplicate is DMEA Form 3a and MF-103 and supporting data pertaining to the following applications for Government assistance in exploration work:

Maricopa Minerals Company (Columbium)

Nugget Coal & Timber Company (Uranium)

North West Development Company (Uranium)

for John F. Shaw
W. H. King

Enclosures

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

NOV 29 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. 3586
Metal or Mineral Columbium
Date Received
Estimated Cost $33,300
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: Maricopa Minerals Company, P.O.Drawer 988, Oklahoma City 1, Okla.
Oklahoma Corporation. Noland Smith, President, P.O.Drawer 271, El Reno, Okla.
John C. McConnell, Kenneth Richardson, Bill M. Bonebrake, all vice-presidents,
Blanton E. Hoover, Secy-treas. 701 1st Nat Bank Bldg., Oklahoma City, Okla.

(*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 Sections 14, 15, 21, 22 & 23, Tp 2 South, Range 4 West, Maricopa County, Arizona.

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner by right of mineral location to Secs 14 and 23; lessee under purchase option Secs 15,21, 23.

(*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. Copy of lease and option attached.

(*e*) If you own the land, describe any liens or encumbrances on it No encumbrances

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.
Book & page numbers in attached lease and option contract.

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.

16—66551-1

See attached sheet for description.

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Columbium, Tantalum, Uranium, Thorium, 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 Sheet 1A.

(*c*) The work will start within 30 days and be completed within 6 months from the date of an exploration project contract.

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

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.

See attached statement and maps

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 ☒ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

See attached sheet

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 16 November, 1954

Marion Minerals Company
(Applicant)

By Sewell Thomas

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

Sheet 1A-

Item 5 (b). DMEA aid is requested in the sum of 75% of a total estimated cost for exploration of $33,300.00, of which 25% will be furnished by Maricopa Minerals Company in "use value" of equipment to be furnished by them. This "use value" is in excess of the sum of $8,325.00 which will be Maricopa Minerals contribution to the project, leaving $24,975.00 to be applied for as aid under the terms provided in DMEA Order No. 1, of the Defense Production Act of 1950, as amended.

The exploration program Maricopa Minerals has planned is as follows: Drilling with churn drill using casing ahead of drilling to the extent of a total of 1400 feet of hole. The heavy mineral in the gravel will be all saved by washing, and that from each hole assayed by wet method. Water is obtainable from a well, 4 miles distant. Maricopa Minerals will furnish a tank truck and pump for service. Map No 1 shows the areas to be explored. Holes will be sunk on a gridwork at approximately 200 foot squares. It is shown on Map No 2, in red, where the work will start and how it will proceed for Block A. The same proceedure will be followed on Blocks B, C and D. It is estimated that the average depth of holes from surface to bedrock will be 15 feet.

Detailed estimates of the cost of the drilling, of water supply, moving in and out, use value of equipment, supervision, assaying, overhead, etc. will be found on Sheets 1 and 2, attached to this application.

It is planned to move drilling tools and equipment to the property and to start work and carry it on continuously as soon as this application may be approved and contract has been executed.

COPY

Item 4. Physical Description. (a) During the summer of 1954, 46 holes from 6 to 9.5 feet in depth were dug, large gravel samples were taken from each hole and washed for recovery of the heavy minerals of the gravels. The holes are shown on Map No 1, herewith. 30 of them were dug on a 200-ft checkerboard pattern; 16 of them were dug as location holes on Sections 14, 23. No other mine workings, nor production facilities. The Company interest lies in ownership of part of the property and as lessee of the rest.

(b). No past or current production. Ore reserves, proved by the above work, are estimated at 625,000 cubic yards of an average content of 0.52% combined tantalum-columbium pentoxide.

(c). The gravels are typical desert talus gravels, deposited by violent storms of short duration. They are made up from decomposition and weathering of a country rock of basic granite (probably diorite) that is traversed by innumerable pegmatite dikes that carry seggregations of euxenite, samarskite, polycrase, monazite, columbite. It has been found that these gravels contain from 12 to 30 lbs of heavy mineral per cubic yard; it is easily and cheaply recovered by open pit and simple washing techniques. We have explored only the upper portions of the gravel and now wish to get to bedrock on the areas already explored and to widen the proved up area for additional ore reserves, with a view to undertaking production operations. Map No 2, shows the area explored, assays for each hole, quantity of heavy mineral recovered and depths dug.

(d). The gravels are reached from Buckeye, Arizona, by road. One route, directly south of Buckeye, is 10 miles long; 3 miles good road, 7 miles poor road; a second route via U.S.80 for 21 miles, then 8 miles by pipeline road along El Paso Natural Gas lines. A car can be driven almost to the holes that have been dug. Residence point is Buckeye, 10 miles distant. That also is nearest rail point, and supply center.

(e). Necessary manpower is ample at Buckeye and Phoenix. This is true also for supplies, materials, equipment, etc. Power lines are not over 2 to 3 miles distant. Water is available in sufficient quantity from wells if drilled on Sections 27 and 28, also owned by the Company.

Item 5. The Exploration Project. (b) The proposed work will consist of holes drilled to bedrock, and spaced 200 feet apart in the areas shown in red on Map No 1, herewith. The heavy mineral from each hole will be collected and assayed, depth of hole recorded, and yardage calculated.

(d). Sewell Thomas, signing the application on behalf of the Maricopa Minerals Co by authority of a Board resolution, copy of which is attached hereto, is a graduate mining engineer, with 45 years experience in general mining of which a great deal has been with placer deposits. He is a registered Professional Engineer in the State of Colorado. He will supervise the operations, to be carried out by a driller with 25 years of experience drilling placers and aggregate deposits and dam locations.

Item 6. Estimate of Costs.

(a) We do not plan on contracting any of the work.

(b) Drill crew will consist of 2 drillers and 1 panner, 1 roustabout, driver for water truck. Drillers $2.50, panner $2.75, Roustabout $1.50 and truck driver $2.00 per hour. Total wages $91.00 per day.

The average days work for this kind of drilling is about 15 feet of hole. Casing has to be driven and pulled, the drill rig has to be moved from hole to hole, probably nearly every day since I estimate the average hole to be 14 to 15 feet.

Hence cost per foot, this item $6.07

(b)ctd.	Consultant	$30.00 per day	
	Supervisor	25.00	
		$55.00	
	Supervision per ft	$3.67	

(c) Operating Materials & Supplies.
Water supply for drilling is hauled by tank truck.

Gasolene for truck	$3.00 per day	
Oil & Grease	1.00	
Power for pump	1.50	$5.50
Pick-up truck, gas	$3.00	
Oil & grease	1.00	$4.00
Drill rig-		
Gasoline	$10.00	
Oil & grease	2.00	$12.00
Total Supplies		$21.50
Operating repairs		$ 5.00
Total (c)		$26.50
Per foot of hole		$1.77

(d) Operating Equipment.
Drill rig, consisting of churn drill truck-mounted, drill tools, casing, rocker, float for transportation, tractor-- Value $15,000.00

Water tank truck	7,500.00
Placer washer machine	750.00
Pickup truck	2,000.00
Miscellaneous screens, gas cans, tools, pipe, hoses, etc	500.00
	$25,750.00

Estimated rental, or use-allowance

Drill outfit, per day	$60.00
Tank truck	20.00
Pick-up	10.00
Other tools & machinery	5.00
	$95.00
Per foot of hole	$6.33
Moving equipment in and out, per foot	1.00

(e). Rehabilitation & Repairs.
No cost for this item.

(f) Installation of pump in water well	$300.00
Cost per foot of hole	$0.20

(g) Miscellaneous--

Repairs & Maintenance	$ 7.50
Assays, 1 sample per day	30.00
Accounting	5.00
Comp., empl liab., soc. sec. & payroll taxes	12.50
	$55.00
Per foot of hole	$3.66

(h) Contingencies--
Bulldozer for 5 days to make crossings of arroyos for drill rig $700.00

Per foot of hole	$0.50
Miscellaneous, per foot	.50

Grand total, per foot of hole $23.70

Item 7. Equipment listed above is furnished by Maricopa Minerals Co.

COPY

NOV 29 1954

STATE OF OKLAHOMA)
) ss
OKLAHOMA COUNTY)

Comes now BLANTON W. HOOVER and being first duly sworn, deposes and states:

(1) That he is the Secretary of Maricopa Minerals Co., an Oklahoma corporation qualified to do business in Arizona and is in charge of their corporate minutes and resolutions.

(2) That the following is a true and correct copy of a Resolution unanimously adopted by its Board of Directors at a lawfully called meeting thereof held on October 22, 1954, to-wit:

> "BE IT RESOLVED, that Sewell Thomas, on behalf of this company, be and is hereby authorized to prepare and submit its application to the Defense Minerals Exploration Administration of Denver, Colorado for an exploration loan in the amount of $25,000.00 and to do all things in connection therewith on behalf of the company as in his judgment should be done, provided only that if such an application be granted, that the final contract papers relative to such loan be submitted to the officers of this company for their approval and execution.
>
> "BE IT FURTHER RESOLVED, that the officers of the company are hereby authorized and directed to execute such contract and other instruments affecting said loan in the name of and on behalf of the company in such terms as they shall deem suitable and proper and without further authorization of this Board.
>
> "BE IT FURTHER RESOLVED, that the secretary of the company is authorized and directed to certify to the authorities herein granted in such manner as he shall deem proper and in such form as the interested parties may request or require."

FURTHER Affiant saith not.

Blanton W Hoover
Blanton W. Hoover, Secretary

(CORPORATE SEAL)

Subscribed and sworn to before me a Notary Public in and for said county and state, this 29th day of October, 1954.

Mrs. June Tate
Notary Public

My Commission expires:
9-3-56

STATE OF OKLAHOMA)
) ss
OKLAHOMA COUNTY)

Comes now BLANTON W. HOOVER and being first duly sworn, deposes and states:

(1) That he is the Secretary of Maricopa Minerals Co., an Oklahoma corporation qualified to do business in Arizona and is in charge of their corporate records.

(2) That there follows a description of the docket and page numbers at which certain placer claims now owned by the company are recorded in Maricopa County, Arizona, to-wit:

Names of Claims	Docket	Page	Location of Claim
Good Earth Placer #1	1279	494	Sec. 15, T2S, R4W
Good Earth Placer #2	1279	495	Sec. 15, T2S, R4W
Good Earth Placer #3	1279	496	Sec. 15, T2S, R4W
Good Earth Placer #4	1279	497	Sec. 15, T2S, R4W
Good Earth Placer #5	1279	498	Sec. 21, T2S, R4W
Good Earth Placer #6	1279	499	Sec. 21, T2S, R4W
Good Earth Placer #7	1279	500	Sec. 22, T2S, R4W
Good Earth Placer #8	1279	501	Sec. 22, T2S, R4W
Good Earth Placer #9	1279	502	Sec. 22, T2S, R4W
Good Earth Placer #10	1279	503	Sec. 22, T2S, R4W
Good Earth Placer #11	1279	504	Sec. 21, T2S, R4W
Good Earth Placer #12	1279	505	Sec. 21, T2S, R4W
Annabel Placer #1	1291	464	Sec. 14, T2S, R4W
Annabel Placer #2	1291	465	Sec. 14, T2S, R4W
Annabel Placer #3	1291	466	Sec. 14, T2S, R4W
Annabel Placer #4	1291	467	Sec. 14, T2S, R4W
Annabel Placer #5	1291	468	Sec. 23, T2S, R4W
Annabel Placer #6	1291	469	Sec. 23, T2S, R4W
Annabel Placer #7	1291	470	Sec. 23, T2S, R4W
Annabel Placer #8	1291	471	Sec. 23, T2S, R4W

(3) That the originals of said claims, indicating the above recording location, are in the possession of this Affiant and that all of them have been assigned to this company and are now owned by it, except that the Good Earth Placer claims above described are subject to a lease executed between Maricopa Minerals Co. and John L. Holt and Viola W. Holt on June 17, 1954, a true and correct copy of which is attached hereto.

(4) That the duly elected officers and addresses of the Maricopa Minerals Co., are this date as follows:

Name	Address	Office
Noland F. Smith	701 1st National Bldg. Okla. City, Okla.	President
John C. McConnell	701 1st National Bldg. Okla. City, Okla.	Vice-President
Kenneth Richardson	701 1st National Bldg. Okla. City, Okla.	Vice-President
Bill M. Benebrake	701 1st National Bldg. Okla. City, Okla.	Vice-President
Blanton W. Hoover	701 1st National Bldg. Okla. City, Okla.	Secretary-Treasurer

FURTHER Affiant saith not.

Blanton W Hoover
Blanton W. Hoover, Secretary

(CORPORATE SEAL)

Subscribed and sworn to before me a Notary Public this 29th day of October, 1954.

Mrs. June Tate
Notary Public

My Commission expires:
9-3-56

6/21/55 gla

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

RECEIVED JUN 20 1955

224 New Customhouse
Denver 2, Colorado

June 14, 1955

Memorandum

To: Chairman of the Operating Committee, DMEA

From: Field Team, Region III

Subject: Report of Examination, Docket DMEA-3586 (Columbium, tantalum, thorium, uranium, rare earths), Maricopa Minerals, Inc., Maricopa County, Arizona

Enclosed are the original and three copies of the report pertaining to the above application.

The applicant's sample contained less than 0.02% U_3O_8 and less than 0.05% combined columbium and tantalum. Concentrates were analyzed for the rare metals but none were found. No evidence was submitted of the presence of thorium.

We recommend that the application be denied.

W. M. Traver

Enclosures

for D R MacKaren
E. N. Harshman

Reviewed by
DMEA OPERATING COMMITTEE
6-24-55
(date)

Surname copy

Ching
Huhon
Kiilsgaard
Selfridge
Johnson

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

Mr. Sewell Thomas
Maricopa Minerals Company
P. O. Drawer 988
Oklahoma City 1, Oklahoma

JUL - 8 1955

Re: Docket No. DMEA-3586 (Columbium, tantalum, uranium, thorium, rare earths)
Good Earth Placers
Maricopa County, Arizona

Dear Mr. Thomas:

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 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
7-7-55
cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. Horace T. Reno, Rm. 3641
T. H. Kiilsgaard, Rm. 5224
Code 700
Mr. Ching
DMEA Field Team, Region III (2)

R.A.S.

DOCKET COPY

Ching

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

WASHINGTON 25, D. C.

July 7, 1955

Summary of Proposed Project

Object: Denial of application for an exploration project.

Docket No. DMEA-3586

Commodity: Columbium, tantalum, uranium, thorium, rare earths.

Applicant: Maricopa Minerals Company, an Oklahoma corporation
P. O. Drawer 988
Oklahoma City 1, Oklahoma

Property: Good Earth Placers, consisting of 20 placer claims, Good Earth Placer Nos. 1-12 and Annabel Placer Nos. 1-8, occupying all of sections 14, 15, 21, 22 and 23, T. 2 S., R. 4 W., Maricopa County, Arizona. Applicant is owner by location of the 8 Annabel Placer claims and lessee of the 12 Good Earth Placer claims.

Date of Application: November 16, 1954

Amount of Application: $33,300.00

Work Proposed: 1400 feet of churn drilling on 200-foot squares on four blocks of ground within the subject property. Average depth about 15 feet. Estimated cost per foot hole - $23.70.

Field Team Report: June, 1955. W. R. Hardwick, USBM, and Leonid Bryner, USGS.

The gravels on the property form an extensive apron sloping about 3 degrees in a southerly direction from the foot of Buckeye Hills to Rainbow Wash. The Applicant had dug 30 test pits 6 to 8 feet deep with a hoe-type power shovel and taken and tested large samples from these pits. Based on these tests Applicant estimated the presence of 625,000 cubic yards of gravel containing 0.052% combined columbium-tantalum pentoxide.

The examining team cut 12 large samples from 12 of the pits mentioned above to check the Applicant's results. These samples were quartered and tabled to obtain a black sands concentrate. The concentrate was assayed in the laboratory of the Southwest Experiment Station in Tucson. When no columbium or tantalum was found, the samples were analyzed again and checked with a spectroscope. Some samples were also sent to the Intermountain Experiment station at Salt Lake City for further checking. No columbium or tantalum was found.

The examining team then returned to the property and took a 600-pound sample from a pit where one of the highest grade samples reported by the Applicant was taken. This large sample was carefully concentrated, but the concentrate showed only a trace of columbium-tantalum.

It was concluded that the proposed exploration project would not find significant amounts of columbium and tantalum, and that the application should be denied.

Commodity Committee Members' Comments:

Geological Survey - N. E. Nelson - July 1, 1955

The conclusions of the examining team are well supported and the recommendation of denial is justified and concurred in.

Bureau of Mines - Horace T. Reno - July 6, 1955

I agree with the Field Team recommendation that the application be denied.

Rare and Miscellaneous Metals Division - Michael Ching - July 6, 1955

The thorough manner in which the field examiners took samples to check the Applicant's results, the careful concentration of the samples and the results of the analyses, all prove rather conclusively that significant amounts of columbium and tantalum are not likely to be found on the subject property by the proposed exploration. The presence of uranium also appears to be insignificant.

Conclusions and Recommendations:

It is concluded that the reported results of preliminary work on the part of the Applicant were in error and that significant amounts of columbium and tantalum would not be found by the proposed exploration. It is recommended that the application be denied.

Michael Ching

Michael Ching
For: Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

7/6/55 gla

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

RECEIVED
JUL - 6 1955

July 6, 1955

Memorandum

To: E. W. Ellis, Director, Rare and Miscellaneous Metals Division, DMEA

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

Subject: Report of Examination. DMEA Docket No. 3586 (columbium, tantalum, thorium, uranium, rare earths)

I agree with the Field Team recommendation that the application be denied.

Horace T. Reno
Horace T. Reno

Enclosure

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

RECEIVED
JUL - 6 1955

July 6, 1955

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

Subject: Report of Examination. DMEA Docket No. 3586 (columbium, tantalum, thorium, uranium, rare earths)

I agree with the Field Team recommendation that the application be denied.

Horace T. Rano

Enclosure

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

RECEIVED
JUL - 6 1955

July 5, 1955

Memorandum

To: E. . Ellis, Director, Rare and Miscellaneous Metals Division, DMEA

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

Subject: Report of Examination. DMEA Docket No. 3586 (columbium, tantalum, thorium, uranium, rare earths)

I agree with the Field Team recommendation that the application be denied.

Horace T. Reno

Enclosure

HTReno:jtmc

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

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

RECEIVED
JUL - 6 1955

July 6, 1955

Memorandum

To: F. A. Ellis, Director, Rare and Miscellaneous Metals Division, DMEA

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

Subject: Permit of Examination, DMEA Docket No. 3586 (columbium, tantalum, thorium, uranium, rare earths)

I agree with the Field Team recommendation that the application be denied.

Horace T. Reno

Enclosure

HTReno:jtmc

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

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

July 6, 1955

RECEIVED
JUL - 6 1955

Memorandum

To: [illegible] Ellis, Director, Rare and Miscellaneous Metals Division, DMTA

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

Subject: Report of Examination. DMTA Docket No. 3586 (columbium, tantalum, thorium, uranium, rare earths)

I agree with the Field Team recommendation that the application be denied.

Horace T. Reno

Enclosure

HTReno:jtmc

Copy to: Division of Minerals
Branch of Rare and Precious Metals
H. T. Reno
DMTA (3 copies)
FILE

7/6/55 gla

IN REPLY REFER TO:

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

RECEIVED
JUL - 6 1955

July 1, 1955

Re: DMEA 3586
Maricopa Minerals Co.
Good Earth Placers
Maricopa, Ariz.
Columbium-Tantalum

Memorandum

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

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

Subject: Review of Field Team report.

The conclusions of the Examining Team are well supported and the recommendation of denial is justified.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

IN REPLY REFER TO:

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

RECEIVED
JUL - 6 1955

July 1, 1955

Re: DMEA 3586
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Good Earth Placers
Maricopa, Ariz.
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I concur with the recommendation.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-7/1/55

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

IN REPLY REFER TO:

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

RECEIVED
JUL - 6 1955

July 1, 1955

Re: DMEA 3586
Maricopa Minerals Co.
Good Earth Placers
Maricopa, Ariz.
Columbium-Tantalum

Memorandum

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

Subject: Review of Field Team report.

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I concur with the recommendation.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-7/1/55

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

IN REPLY REFER TO:

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

RECEIVED
JUL - 6 1955

July 1, 1955

Re: DMEA 3545
Maricopa Minerals Co.
Good Earth Placers
Maricopa, Ariz.
Columbium-Tantalum

Memorandum

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

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

Subject: Review of Field Team report.

The conclusions of the Examining Team are well supported and the recommendation of denial is justified.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-7/1/55

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

6/27/55 gla

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

RECEIVED
JUN 20 1955

224 New Customhouse
Denver 2, Colorado

June 14, 1955

Memorandum

To: Chairman of the Operating Committee, DMEA

From: Field Team, Region III

Subject: Report of Examination, Docket DMEA-3586 (Columbium, tantalum, thorium, uranium, rare earths), Maricopa Minerals, Inc., Maricopa County, Arizona

Enclosed are the original and three copies of the report pertaining to the above application.

The applicant's sample contained less than 0.02% U_3O_8 and less than 0.05% combined columbium and tantalum. Concentrates were analyzed for the rare metals but none were found. No evidence was submitted of the presence of thorium.

We recommend that the application be denied.

W. M. Traver

Enclosures

for D R MacLaren
E. N. Harshman

Reviewed by
DMEA OPERATING COMMITTEE
6-24-55
(date)

C O P Y

LEASE AND OPTION

THIS AGREEMENT made and entered into this 17th day of June, 1954, by and between JOHN L. HOLT and VIOLA W. HOLT, husband and wife, Maricopa County, Arizona, hereinafter called the LESSORS, and MARICOPA MINERALS COMPANY, a Corporation, organized and existing under the laws of the State of Oklahoma, hereinafter called the LESSEE, WITNESSETH:

That the lessors for and in consideration of the rents, royalties, covenants and agreements hereinafter expressly to be paid, kept and performed by the lessee, have leased, let and demised, and by these presents do lease, let and demise unto the lessee the following described mining property and premises situated in the Buckeye Mining District, Maricopa County, Arizona, to-wit:

NAMES OF CLAIMS	DOCKET	PAGE
Rare Earth Lode #1	1279	489
Rare Earth Lode #2	1279	490
Rare Earth Lode #3	1279	491
Rare Earth Lode #4	1279	492
Rare Earth Lode #5	1279	493
Good Earth Lode #6	1279	483
Good Earth Lode #7	1279	484
Good Earth Lode #8	1279	485
Good Earth Lode #9	1279	486
Good Earth Lode #10	1279	487
Good Earth Lode #11	1279	488
Good Earth Placer No. 1	1279	494
Good Earth Placer No. 2	1279	495
Good Earth Placer No. 3	1279	496
Good Earth Placer No. 4	1279	497
Good Earth Placer No. 5	1279	498
Good Earth Placer No. 6	1279	499
Good Earth Placer No. 7	1279	500
Good Earth Placer No. 8	1279	501
Good Earth Placer No. 9	1279	502
Good Earth Placer No. 10	1279	503
Good Earth Placer No. 11	1279	504
Good Earth Placer No. 12	1279	505
New Horizons Ext. No. 1	1342	565
New Horizons Ext. No. 2	1342	566
New Horizons No. 2	1342	567
New Horizons No. 3	1342	568
New Horizons No. 4	1342	569
New Horizons No. 5	1342	570
New Horizons No. 6	1342	571
New Horizons Lode	1295	339
New Horizons Placer No. 1	1295	340
New Horizons Placer No. 2	1295	343
New Horizons Placer No. 3	1295	344
New Horizons Placer No. 4	1295	345
New Horizons Placer No. 5	1295	346
New Horizons Placer No. 6	1295	347
New Horizons Placer No. 7	1295	348
New Horizons Placer No. 8	1295	349

There are now ten (10) un-recorded lode claims and four 160 acre placer claims located in the Jupiter Group all additional claims that are located shall become a part of this Jupiter Group and shall be recorded and shall be a part of this contract.

All of the above records being records in the office of the County Recorder of Maricopa County, Arizona.

TO HAVE AND TO HOLD the above described premises for the purpose of mining from the_____day of June 1954, until the_____day of June 1974, unless this lease is terminated by the lessee purchasing said mining claims by the payment to the lessors of the sum of One Hundred Thousand and no/100 ($100,000.00) Dollars by payment of the minimum payments and royalties hereinafter provided for in this agreement, or otherwise during the term of this lease, in which event the lessors shall transfer title to said claims to lessee as hereinafter provided.

The lessee in consideration of the premises has and does hereby covenants with the lessors and their executors, administrators and assigns as follows:

1. To enter upon said leased premises and to make such preliminary explorations and examinations as may be necessary to determine whether other and additional development and mining operations shall be carried on on said claims. To conduct any mining operations thereon in a miner-like fashion so as to maintain such property as a workable mining property.

2. To allow the lessors, or their agents, from time to time to enter upon and into all parts of the leased premises for the purpose of inspection and to render to lessors proper assistance in making such inspections of the property.

3. To occupy and hold as the property of the lessors all deposits of every kind which may be uncovered, disclosed and discovered within said leased premises by the lessee, or any person or persons in privity with the privilege to said lessee to work and mine the same as part and parcel of said premises.

4. To pay all taxes against said premises for any product mined, or shipped, or otherwise.

5. To assume all responsibility relating to the protection of the interests of the lessors regarding any and all annual assessment work required by law.

6. To pay to the lessors a minimum of Four Hundred and no/100 ($400.00) Dollars per month until the termination of this lease under any of the events herein set forth, such payments to be made in the following manner:

(a) Payment to the lessors of a royalty of five percent (5%) of the gross value of all uranium or other minerals mined or produced from said property. ~~PROVIDED, HOWEVER, that in calculating the gross value of such uranium, or other products, the cost of mining the same shall be deducted from the value thereof.~~ deleted (S) J.L.H. V.W.H.

(b) IT IS UNDERSTOOD that the payment of Four Hundred and No/100 ($400.00) Dollars per month minimum shall be paid to the lessors in any event, and; IT IS FURTHER UNDERSTOOD that in the event the royalties provided for herein shall exceed the sum of Four Hundred and no/100 ($400.00) Dollars in any month, the lessors shall be paid such additional sum as shall represent the amount by which such royalties shall exceed the sum of Four Hundred and no/100 ($400.00) Dollars.

(c) IT IS FURTHER UNDERSTOOD and AGREED that in the event the lessee exercises the option hereby given to it to purchase said property, all payments theretofore made, whether by way of guaranteed monthly payments, or royalty, shall be credited upon the agreed purchase price of One Hundred Thousand and no/100 ($100,000.00) Dollars.

The lessors in consideration of the premises have and do hereby covenant and agree with the lessee, its successors and assigns, that in the event the lessee exercises the option to purchase herein provided for, to convey all of the described property to the lessee by a good and sufficient Mining Deed, the said premises to be free and clear of all liens and encumbrances at the time of such conveyances.

The lessee agrees to post and keep posted such non-liability notices as the lessors may furnish to protect the lessors and the said property against any claims of creditors of the lessee.

Lessees agree to keep records of the shipments and sales of ores mined by lessee and to make all settlements with the lessors for royalties based upon such records.

IT IS FURTHER AGREED between the parties hereto that the lessee shall have the right and option of terminating this lease and surrendering the property to the lessors upon written notice to the lessors of such intention to terminate thirty (30) days prior to the date of such termination and that thereupon and thereafter the lessee shall have no further obligation or duty to the lessors except such as may have accrued and be unsettled at the time of such termination and surrender.

In the event of the termination of this lease, except by the purchase of the property by the lessee, the lessee shall have the right to remove from the premises all machinery, equipment and other improvements placed thereon by the lessee with ninety (90) days after the termination of such lease.

This agreement shall be binding upon the lessors and their respective heirs, executors, administrators and assigns and upon the lessee, its successors and assigns.

(Signed) JOHN L. HOLT
John L. Holt

(Signed) VIOLA W. HOLT
Viola W. Holt
LESSORS

MARICOPA MINERALS COMPANY,
a Corporation,

(SEAL)

By (Signed) NOLAND F. SMITH
President

ATTEST:

(Signed) BLANTON W. HOOVER
Secretary

STATE OF ARIZONA)
) ss.
COUNTY OF MARICOPA)

On this, the 17th day of June, 1954, before me, EVELYN CHRISTENSEN, the undersigned officer, personally appeared JOHN L. HOLT and VIOLA W. HOLT, known to me (or satisfactorily proven) to be the persons whose names are subscribed to the within instrument and that they executed the same for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

(Signed) EVELYN CHRISTENSEN
Notary Public

(SEAL)
My Commission Expires:
October 17, 1954

STATE OF OKLAHOMA)
) ss.
County of Oklahoma)

On this the 19th day of June, 1954, before me, MRS. JUNE TATE, the undersigned, a Notary Public, personally appeared Noland F. Smith and Blanton W. Hoover, who acknowledged themselves to be the President and Secretary, respectively, of MARICOPA MINERALS COMPANY, a corporation, and they, as such officers being authorized so to do, executed the foregoing instrument for the purposes therein contained, by signing the name of the corporation by himself as President and Secretary, respectively.

(SIGNED) MRS. JUNE TATE
Notary Public

(SEAL)
My Commission Expires:
9-3-56

INDEXED
PAGED

61057

STATE OF ARIZONA)
) ss
COUNTY OF MARICOPA)

I hereby certify that the within instrument was filed and recorded at request of SNELL & WILMER, 1954 June 28 2 48 in Docket 1380 on page 505 to 510 Inc.

Witness my hand and official seal the day and year aforesaid.

ROBERT O. LAVEEN
County Recorder

By L. R. MAHAFFEY
Deputy Recorder

4.35

703 Heard Bldg.

A G R E E M E N T

THIS AGREEMENT made and entered into this 14 day of November, 1954, by and between JOHN L. HOLT and VIOLA W. HOLT, husband and wife, Maricopa County, Arizona, as First Parties and MARICOPA MINERALS CO., an Oklahoma corporation qualified to do business in the State of Arizona, Second Party,

W I T N E S S E T H:

THAT WHEREAS, First Parties as Lessors leased unto Second Party by agreement dated June 17, 1954, the following described mining property and premises situated in the Buckeye Mining District, Maricopa County, Arizona, to-wit:

Names of Claims	Docket	Page
Good Earth Placer No. 1	1279	494
Good Earth Placer No. 2	1279	495
Good Earth Placer No. 3	1279	496
Good Earth Placer No. 4	1279	497
Good Earth Placer No. 5	1279	498
Good Earth Placer No. 6	1279	499
Good Earth Placer No. 7	1279	500
Good Earth Placer No. 8	1279	501
Good Earth Placer No. 9	1279	502
Good Earth Placer No. 10	1279	503
Good Earth Placer No. 11	1279	504
Good Earth Placer No. 12	1279	505

and,

WHEREAS, Second Party now desires to make application to the Defense Minerals Exploration Administration for a loan in the amount of Twenty-five Thousand Dollars ($25,000.00) for the purpose of further exploring said above described property and others, and

WHEREAS, Second Party has requested First Parties to consent to said loan for such purposes and to subordinate their rights therein where necessary for its purposes, to the rights of the said Defense Minerals Exploration Administration, which consent First Parties are willing to give.

NOW THEREFORE, in consideration of the mutual benefits to be derived therefrom, First Parties do hereby consent and agree that Second Party may file such application and execute such pledges, assignments, etc. affecting the above described property, to the said Defense Minerals Exploration Administration as Second Party may find necessary in connection with the application for an exploration loan in the amount of Twenty-five Thousand Dollars ($25,000.00) and in connection with the assignment, pledging or mortgaging of its interest therein to the said Defense Minerals Exploration Administration as appear proper if

said application for a loan is approved and a loan made, and for that purpose, the undersigned agree that their interest therein will thereby be subordinated to the interest of the claims, interest and liens of the Defense Minerals Exploration Administration.

IN WITNESS WHEREOF, the First Parties have hereunto set their hands the day and date first above written.

FIRST PARTIES:

John L. Holt
John L. Holt

Viola W. Holt
Viola W. Holt

SECOND PARTY:

Maricopa Minerals Co., an Oklahoma corporation

ATTEST:

By _____
President

_____
Secretary

STATE OF Arizona)
) ss
Maricopa COUNTY)

Before me, a Notary Public in and for said county and state, on this 5th day of November, 1954, personally appeared JOHN L. HOLT and VIOLA W. HOLT, husband and wife, to me known to be the identical persons who executed the within and foregoing instrument, and each for themselves acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purposes therein set forth.

Witness my hand and seal the day and year last above written.

My Commission expires:
5-14-56

Ruth S. Grunert
Notary Public

STATE OF _____)
) ss
_____ COUNTY)

Before me, a Notary Public in and for said county and state, on this _____ day of _____, 1954, personally appeared ROLAND F. SMITH, to me known to be the identical person who subscribed the name of the maker thereof to the foregoing instrument as its President and acknowledged to me that he executed the same as his free and voluntary act and deed and as the free and voluntary act and deed of such corporation for the uses and purposes therein set forth.

Witness my hand and seal the day and year last above written.

My Commission expires:
_____

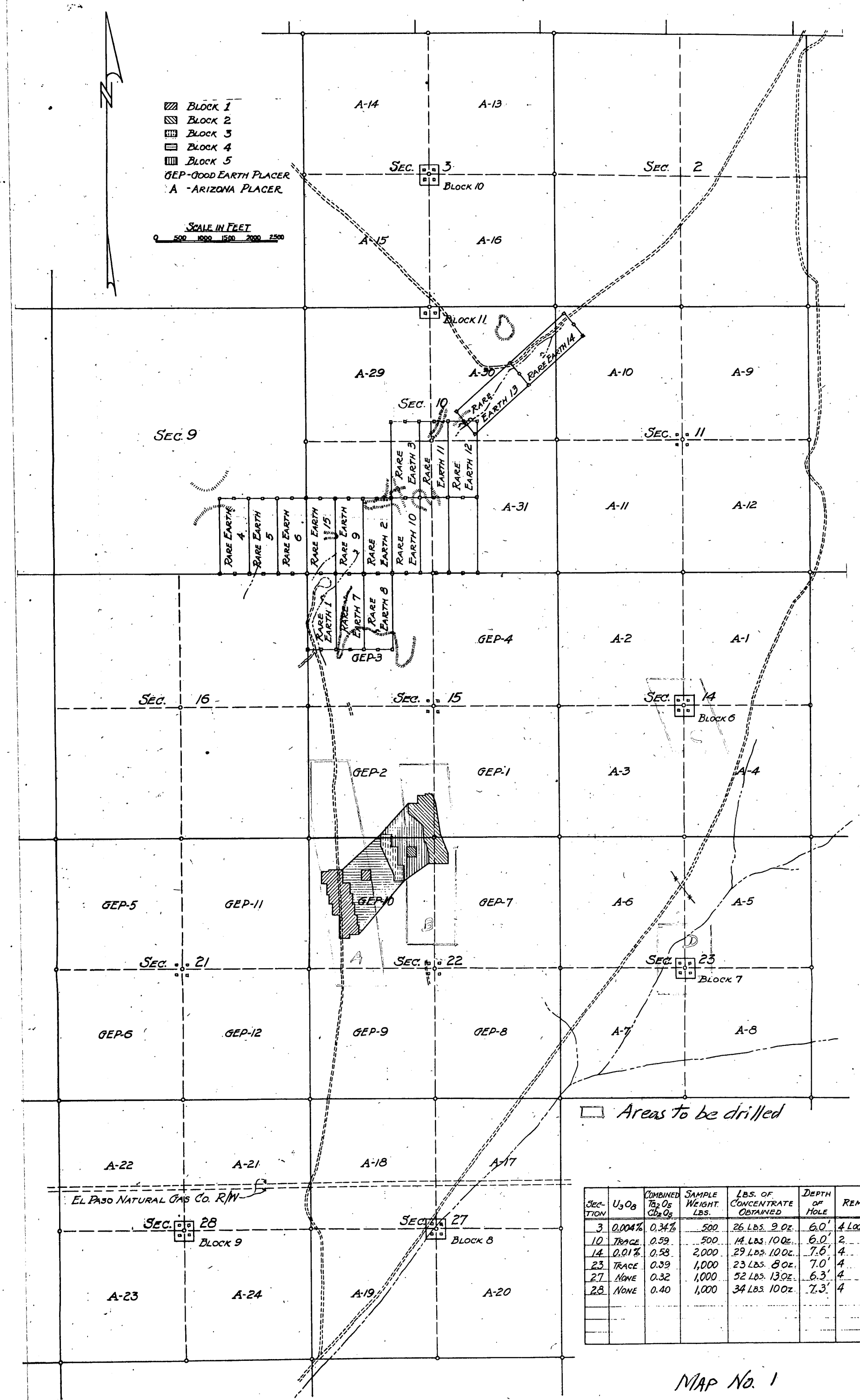
_____
Notary Public

PLAT OF SURVEY OF

ARIZONA AND GOOD EARTH PLACERS AND RARE EARTH LODE CLAIMS IN T.2S., R.4W., BUCKEYE MINING DISTRICT, MARICOPA COUNTY, ARIZONA.

SURVEY NO. 54-3-14 BY: HARRY E. JONES.

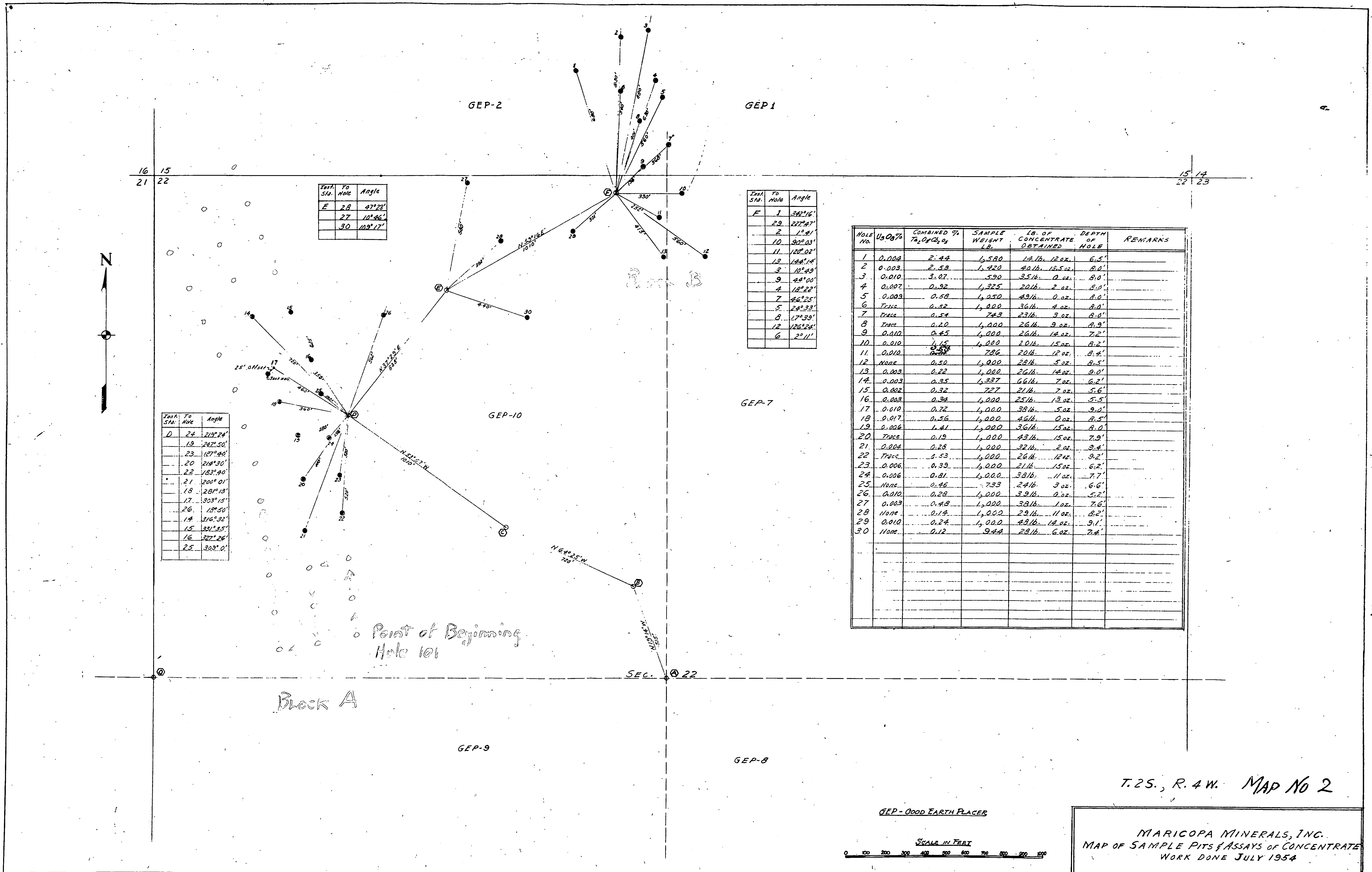
FOR: MARICOPA MINERALS CO.



SECTION	U_3O_8	COMBINED Ta_2O_5 Cb_2O_5	SAMPLE WEIGHT LBS.	LBS. OF CONCENTRATE OBTAINED	DEPTH OF HOLE	REMARKS
3	0.004%	0.34%	500	26 LBS. 9 OZ.	6.0'	4 LOCATION HOLES
10	TRACE	0.59	500	14 LBS. 10 OZ.	6.0'	2 " "
14	0.01%	0.58	2,000	29 LBS. 10 OZ.	7.6'	4 " "
23	TRACE	0.39	1,000	23 LBS. 8 OZ.	7.0'	4 " "
27	NONE	0.32	1,000	52 LBS. 13 OZ.	6.3'	4 " "
28	NONE	0.40	1,000	34 LBS. 10 OZ.	7.3'	4 " "

MAP NO. 1

SEPT. 1, 1954



Inst. Sta.	To Hole	Angle
E	28	47°23'
	27	10°46'
	30	109°17'

Inst. Sta.	To Hole	Angle
F	1	342°16'
	29	227°47'
	2	1°41'
	10	90°03'
	11	120°02'
	13	144°14'
	3	10°49'
	9	44°00'
	4	18°22'
	7	46°25'
	5	24°33'
	8	17°39'
	12	126°24'
	6	2°11'

Inst. Sta.	To Hole	Angle
D	24	219°24'
	19	247°50'
	23	187°40'
	20	214°30'
	22	183°40'
	21	200°01'
	18	281°13'
	17	303°15'
	26	18°50'
	14	316°32'
	15	331°35'
	16	327°26'
	25	309°0'

Hole No.	U_3O_8%	Combined % $Ta_2O_5Cb_2O_5$	Sample Weight Lb.	Lb. of Concentrate Obtained		Depth of Hole	Remarks
1	0.004	2.44	1,580	14 lb.	12 oz.	6.5'	
2	0.003	2.53	1,420	40 lb.	13.5 oz.	8.0'	
3	0.010	3.07	590	35 lb.	0 oz.	8.0'	
4	0.007	0.92	1,325	20 lb.	2 oz.	8.0'	
5	0.009	0.58	1,050	49 lb.	0 oz.	8.0'	
6	Trace	0.52	1,000	36 lb.	4 oz.	8.0'	
7	Trace	0.54	743	23 lb.	3 oz.	8.0'	
8	Trace	0.20	1,000	26 lb.	9 oz.	8.9'	
9	0.010	0.45	1,000	26 lb.	14 oz.	7.2'	
10	0.010	1.15	1,000	20 lb.	15 oz.	8.2'	
11	0.010	0.58	786	20 lb.	12 oz.	8.4'	
12	None	0.50	1,000	28 lb.	5 oz.	8.5'	
13	0.003	0.22	1,000	26 lb.	14 oz.	9.0'	
14	0.003	0.35	1,337	66 lb.	7 oz.	6.2'	
15	0.002	0.32	727	21 lb.	7 oz.	5.6'	
16	0.003	0.34	1,000	25 lb.	13 oz.	5.5'	
17	0.010	0.72	1,000	38 lb.	5 oz.	9.0'	
18	0.017	0.56	1,000	46 lb.	0 oz.	8.5'	
19	0.006	1.41	1,000	36 lb.	15 oz.	8.0'	
20	Trace	0.19	1,000	43 lb.	15 oz.	7.9'	
21	0.004	0.28	1,000	32 lb.	2 oz.	9.4'	
22	Trace	0.53	1,000	26 lb.	12 oz.	9.2'	
23	0.006	0.39	1,000	21 lb.	15 oz.	6.2'	
24	0.006	0.81	1,000	38 lb.	11 oz.	7.7'	
25	None	0.46	733	24 lb.	3 oz.	6.6'	
26	0.010	0.28	1,000	39 lb.	0 oz.	5.2'	
27	0.003	0.48	1,000	38 lb.	1 oz.	7.6'	
28	None	0.14	1,000	29 lb.	11 oz.	8.2'	
29	0.010	0.24	1,000	49 lb.	14 oz.	9.1'	
30	None	0.12	944	28 lb.	6 oz.	7.4'	

T. 2S., R. 4W. MAP No 2

GEP - Good Earth Placer

Scale in Feet: 0 100 200 300 400 500 600 700 800 900 1000

MARICOPA MINERALS, INC.
MAP OF SAMPLE PITS & ASSAYS OF CONCENTRATE
WORK DONE JULY 1954

BUREAU OF MINES

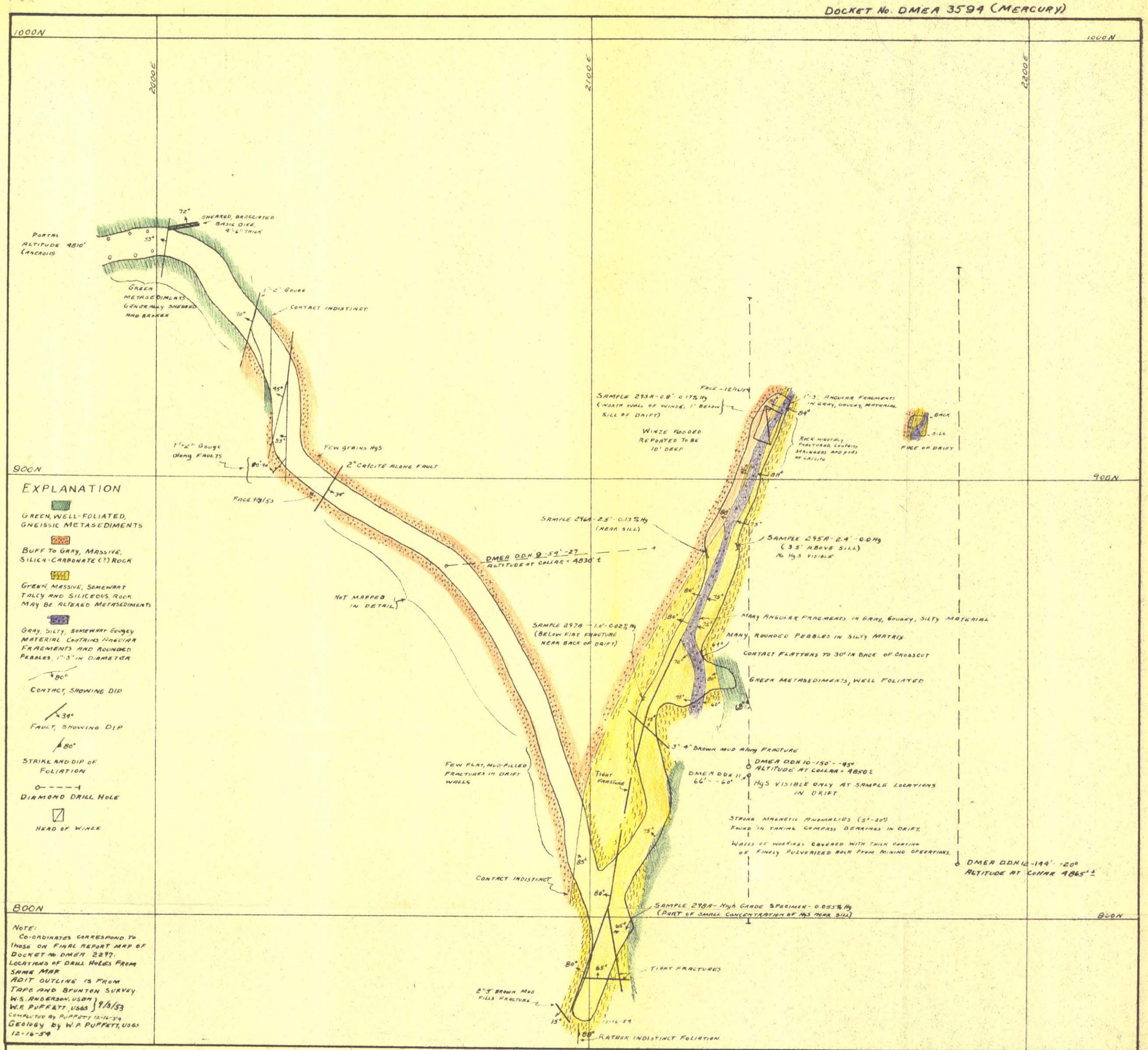
(PMGC)

OFFICIAL BUSINESS

U. S. Bureau of Mines
Custom House
Sansome Street
San Francisco 11, California

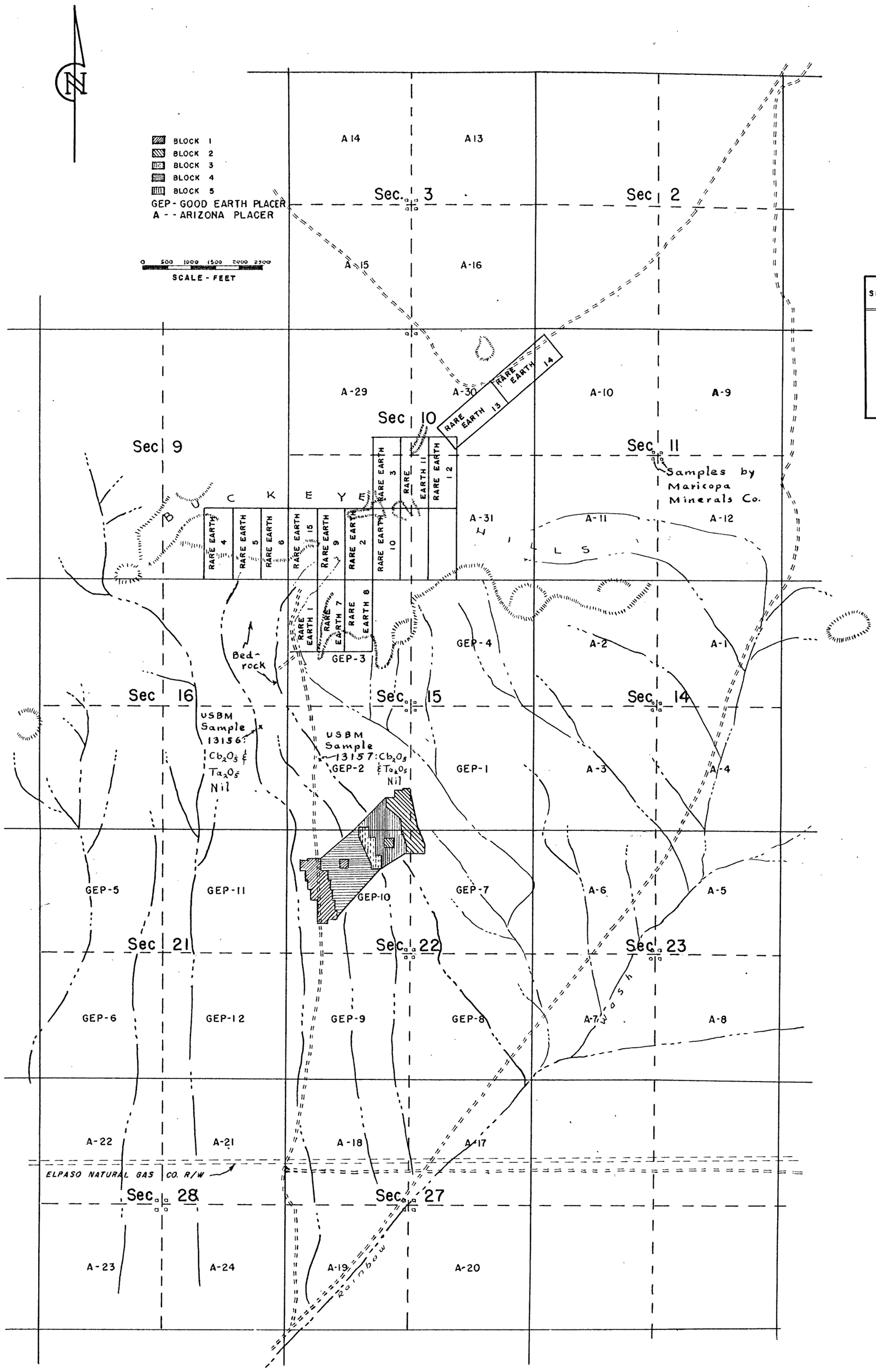
Defense Minerals Exploration Administration
Interior Building
Washington 25, D. C.

DOCKET No. DMEA 3594 (MERCURY)



PLAN MAP OF ADIT ON DENNY RAY CLAIM, INDIAN CREEK MERCURY MINES, INCORPORATED
R. 12 E., T. 14 N., YAKIMA COUNTY, WASHINGTON

ARIZONA AND GOOD EARTH PLACERS AND RARE EARTH LODE CLAIMS IN T2S - R4W BUCKEYE MINING DISTRICT, MARICOPA CO. ARIZONA



SAMPLES BY MARICOPA MINERALS CO.

SECTION	U_3O_8	COMBINED Ta_2O_5 Cb_2O_5	SAMPLE WEIGHT LBS	LBS OF CONCENTRATE OBTAINED	DEPTH OF HOLE	REMARKS
3	0.004	0.34%	500	26 LBS. 9 OZ	8'	4 LOC. HOLES
10	TRACE	0.59%	500	14 LBS. 10 OZ	6.0'	2 " "
14	0.01%	0.58%	2000	29 LBS 10 OZ.	7.6'	4 " "
23	TRACE	0.39%	1000	23 LBS 8 OZ.	7.0'	4 " "
27	NONE	0.32%	1000	52 LBS 13 OZ.	6.3'	4 " "
28	NONE	0.40%	1000	34 LBS 10 OZ	7.3'	4 " "

— NOTE —

Basic data from plat survey No. 54-3-14 by Harry F. Jones, for Maricopa Minerals Co.

FIGURE - 2

DMEA 3586