DMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

DMEA NO. 466

Application (Denied ✓
(Withdrawn
(After disposition, delete items not applicable)

Contract (Terminated - not Certified
(Cancelled
(Terminated - Certified
(Royalty Agreement

This is the official contract file containing all official records of the project. The records contained in the files are checked and are arranged in this order:

Left Side

Interim Royalty Audits
Reports of Royalty Review
Certification of Discovery
Certificate of Audit (Final)
Interim Audit(s)
Report of Review
Termination Notice or Agreement
Recision Notice
Assignment of Contract
Contract Amendments (latest on top)
Contract with all exhibits and annexes
Owner's Consent to Lien
Subordination Agreement
Leases and assignments of leases
✓Application and attachments
(3) Envelope for maps

Right Side

Project summary
Work completed analysis
All other material is filed in chronological order with correspondence including the following reports as checked:

Final Field Team Report (Tab)
Operator's Final Report
(2R) Interim Reports
(2R) Operator's monthly reports and all attachments (latest on top)
On-site Exam Report(s) (Tab)
(4) Settlement Sheets

When the volume of records is expected to warrant additional folders, or when convenience of reference warrants separate folders for certain records, they should be set up in this order:

Left Side

Folder No. 2: (In chron. order) Interim Summary Reports by W. O. Engineers

Right Side

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

Folder No. 3: Maps (Use pocket folder or envelope. Fold maps with title block out and show reference to related document or correspondence.)

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

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

224 New Customhouse
Denver 2, Colorado

February 26, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 1 1957

DATE	INITIALS	CODE

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Application for DMEA Aid (Uranium) L. R. Bloom, Lester W. Schonder, E. B. Hubbard and Colman O'Shea; a Partnership (Stony Peak # 6 claim) Graham County, Arizona

Enclosed are the original and two copies of the subject application in the amount of $21,012.50. One copy of the application is being retained in our file.

The applicant proposes a limited program consisting of 2,250 feet of core drilling to explore a reported mineralized target area. No drilling bids were submitted to substantiate the cost of drilling estimated at $6.50 per foot.

Please return two copies of the application to this office with your comments regarding this proposed work.

DMEA Field Team, Region III

E. N. Harshman

By E. N. Harshman
Acting Executive Director

Enclosures

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DMEA

DEPARTMENT OF THE INTERIOR

FEB 25 1957

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

Not to be filled in by applicant

Docket No. 4666
Metal or Mineral uranium
Date Received 3-1-57
Estimated Cost $21,012.50
Participation (Government %)

RECEIVED MAR 1 1957 D.M.E.A.

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: L. R. Bloom Safford, Arizona Partnership
Lester W. Schonder Tucson, Arizona
E. B. Hubbard Safford, Arizona
Colman O'Shea Safford, Arizona P.O. Box 490

(*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 See attached sheet number 1.

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owners by right of location

(*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. Owner

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

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. Stony Peak #6, Docket 41, Pg. 277, Graham County Courthouse, Safford, Arizona. June 23, 1956.

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. See attached sheet 2.

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

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you. See attached sheet 3.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. See attached sheet 4.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power. For the present water would have to be hauled a distance of about 2 miles. Water could probably be developed on or close to the property. All other essentials, manpower, materials, etc., are available in Safford.

16—66551-1

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

(*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 No. 5.

(*c*) The work will start within 10 days and be completed within 3 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations. See sheet No. 6.

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.). See sheet No. 7.

(*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. See sheet No. 8

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel. Included in paragraph 6(b).

(*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. Jeeps, compressor, and we have use of a tractor.

(*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. None

(*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. None

(*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. Included in paragraph 6(b) above.

(*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 sheet No. 9.

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? We will supply equipment, labor, and supervision as required and money when necessary.

[✓] Money [✓] Use of equipment owned by you [✓] Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated February 20, 1957

Colman O'Shea
(Applicant)

By

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

3(a) We wish to explore one claim known as Stony Peak # 6 located in the Stockton Pass mining district, Graham County, Arizona, in R. 25 E., T 10 S. approximately 1 mile south of the point where Cove Canyon crosses the Stockton Pass road as shown in the U.S.G.S. Mt. Graham quadrangle. The area is not surveyed. We have adjoining claims located and monumented but not recorded. Apart from the Stony Peak claims we have two other groups of claims which would undoubtedly benefit by the development of ore on the Stony Peak claims but the Stony Peak is our best showing.

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DATE	INITIALS	CODE

4(a) The work on the property consists of location holes and a trench or cut about 100 ft. long. This work was performed by present owners and is continuing. The property is accessible by county road and there is a jeep road to the outcrops.

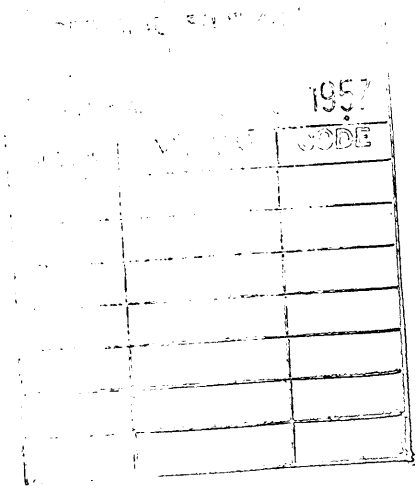
Our reason for wishing to explore our claims is the outcrop of Uranium minerals. We have one cut or trench 100 ft. long which shows continuous mineralization and has not yet reached the end of the mineralization. From this cut we could probably hand sort a small shipment of ore which would run better than .20% chemical. We have had several samples to justify this estimate. The samples taken were grab samples. We do not have the assay certificates as they were loaned to a third party and have not been returned. The ore is autunite. This cut is across a draw and for a 1000 ft up the draw the mineralization shows intermittently. A large part of this area is covered with a few feet of overburden and we do not know what is there. The country rock is granite highly fractured and faulted. The ore makes along the fracture planes and does not appear to be disseminated through the rock. We do not think the autunite we now have is the ore body. We think it is a ? surface indication of underlying primary ore.

We are still working in the cut and the rock is changing. We now have dark colored rock with brownish stain and high count. The autunite has almost disappeared. We have not yet identified the minerals but are sending samples for identification and assay. We think the rock exposed in the last few days is the best we have encountered. We are judging by the count. The values seem to be disseminated and not making along the fracture planes. Two sides of the draw are rather steep faces suggesting fault escarpments. We wish to core drill the area.

About a mile from the Stony Peak claim there is a small spring which is highly radioactive. There are other outcrops in the area.

An A.E.C. geologist, Mr.Robert Miller, recently visited the property and reported to the Phoenix office, favorably we think.

4(d) The property is located about 26 miles south of Safford and is accessible by county road. Safford would be base of supplies and residence point. Elevation about 5500 feet.



5(b) We propose to core drill the area as shown in the accompanying sketch. The proposed footage amounts to a total of 2250 feet as follows 3 holes to a depth of 250 feet, 3 holes to 500 feet each. The access road is approximately 5000 ft. long and needs work in several places a probable total of 1000 ft.

1957
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5(d) We propose to contract the work to an established drilling contractor here in Arizona. I have had long experience in mine operations both large and small, as superintendent, foreman, etc., and am well qualified and competent to supervise the operation.

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DATE	INITIALS	CODE

6(a)

Drilling contract at $6.50 per foot, 2250 ft.total	$14,625.00
225 assays @ $7.50	1,687.50
access road repairs	1,000.00
supervision 60 days @ $20 per day	1,200.00
jeep rental 60 days @ $10 per day	600.00
contingencies	1,000.00
hauling water,materials,etc.,	900.00
Total cost	$21,012.50

$9.34 per foot

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RECEIVED MAR 1 19
DATE | INITIALS | CO

6(b) We will supply labor and equipment for hauling water, road repairs, supervise the work, look after the cores, file and record them, haul material as may be necessary for cementing holes etc., assaying if and when we recover cores showing good count, keep the books and records. These services and labor should make the overall cost $9.34 per foot.

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6(h) Covered by over-all cost of $9.34 per foot of drilling accomplished.

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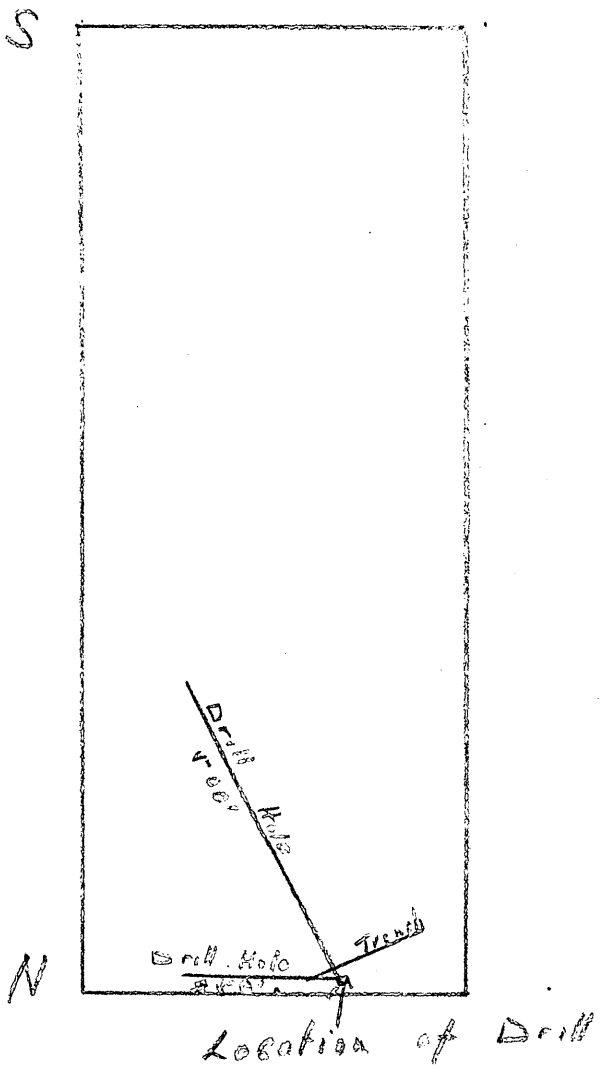
RECEIVED MAR 1 1957

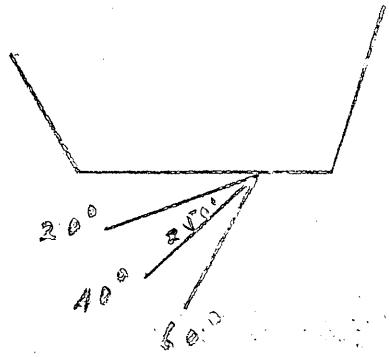
DATE	INITIALS	CODE

Stony Peak #6 Claim

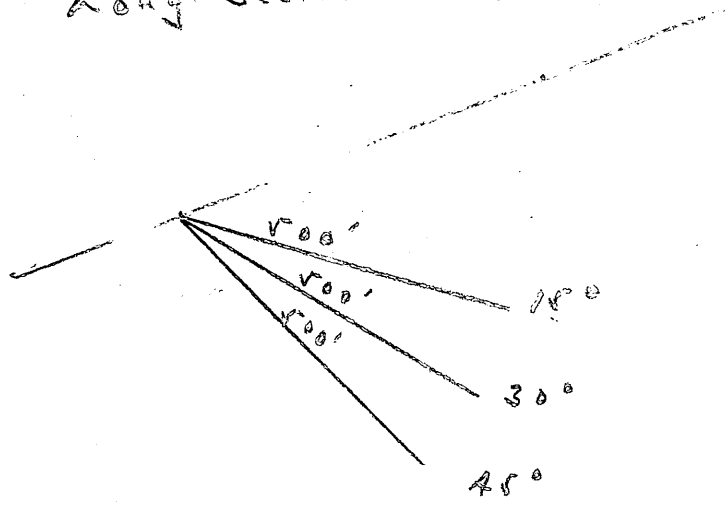
Plan



Cross Section E-W



Long Section S 60° E



Proposed Drill holes
Stony Peak #6 claim

Scale 1" = 300'

Total footage proposed

3 holes 250' = 750'

3 holes 1500' 1500'

Total = 2250'

EXTRA-COPY

[redacted]

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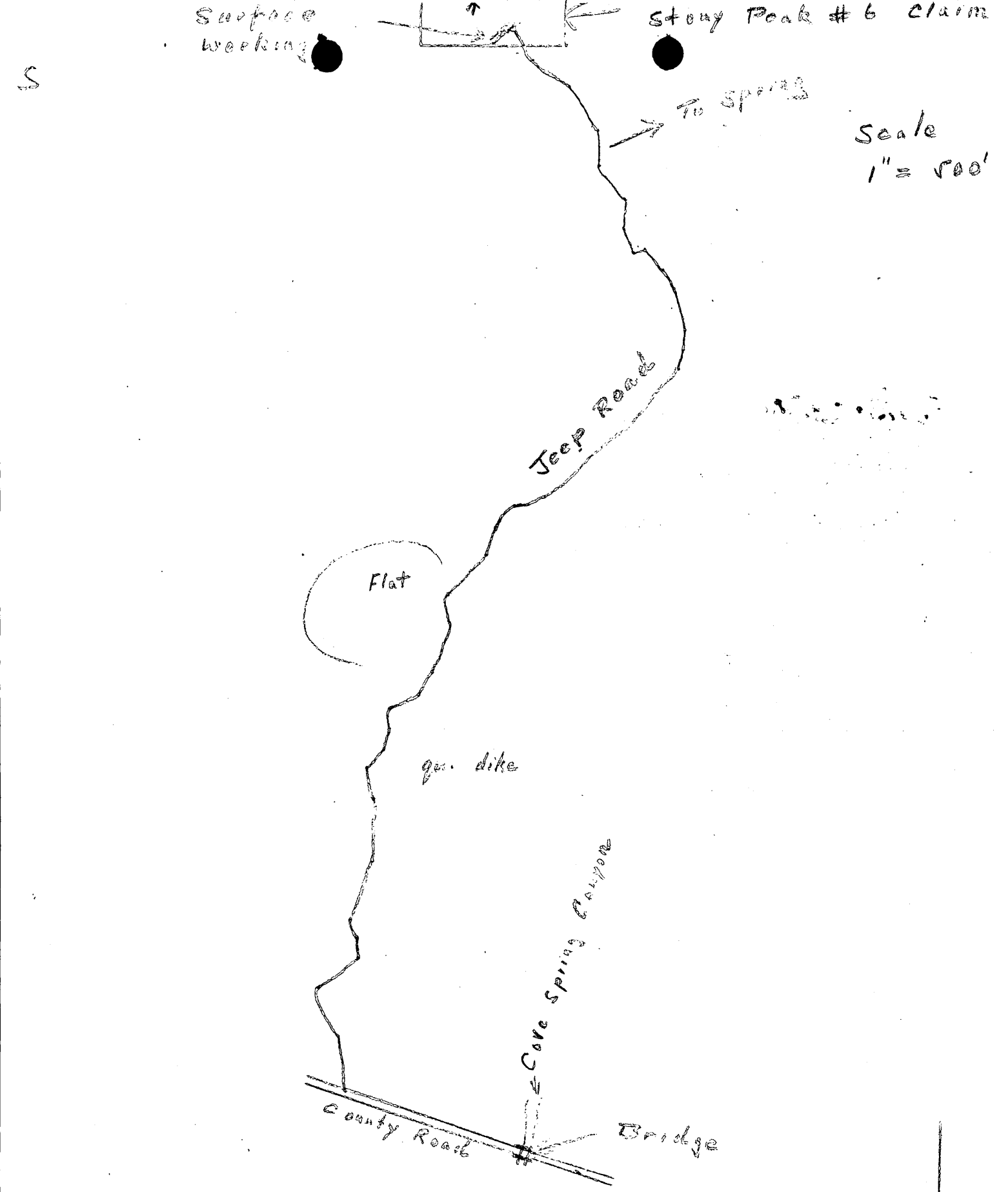
RECEIVED MAR 1 1957

DATE	INITIALS	CODE



Drawing of Jeep Road from Stockton Pass Road to Stony Peak #6 claim

Colman O'Shea

R 25 E
T 10 S
Graham County, Arizona

EXTR-COPY

[redacted]

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DATE	INITIALS	COPY

DMEA Form 7
(12-56)

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Date	Surname	Code
5-16	Ching	700
5-16	Ellis	700
5/17	Selfridge	130
	Lenk	
	Kiilsgaard	
5/17	Bloom	110
	" Mittendorf	100
5/20		220

225

MAY 20 1957

Mr. Colman O'Shea
L. R. Bloom, et al.
Safford, Arizona

Re: Docket No. DMEA-4666 (Uranium)
Stony Peak No. 6 Claim
Graham County, Arizona

Dear Mr. O'Shea:

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

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

Careful study of all our information, although noting some uranium mineralization on your property, indicates that the probability of disclosing significant ore reserves is not sufficiently promising to justify Government participation. We regret to advise you that, under these circumstances, your application for exploration assistance is denied.

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

Sincerely yours,

C. O. Mittendorf

Administrator

MChing/izm 5-15-57
cc to: Mr. Ching
Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
DMEA FT Reg. 3 (2)

8623

Docket

Ching

May 15, 1957

Summary of Proposed Project

Object: Denial of application for an exploration project.

Docket No.: DMEA-4666

Commodity: Uranium

Applicant: L. R. Bloom, Lester W. Schoner, E. B. Hubbard, & Colman O'Shea, a partnership, Safford, Arizona.

Property: Stony Peak No. 6 claim, in an unsurveyed area in sec. 21, R. 25 E., T. 10 S., G.&S.R.M.&B., Stockton Pass mining district, Graham County, Arizona. Applicant is the owner.

Date of Application: February 20, 1957

Amount of Application: $21,012.50

Referred to Region III: March 21, 1957

Field Examination made: April 17, 1957

Field Team Report received: May 6, 1957

Work Proposed: Prepare access road and drill three inclined core drill holes 250 feet deep and three inclined holes 500 feet deep from an existing cut in a mineralized outcrop.

Estimated Costs:

2,250 ft. core drilling @ $6.50/ft.	$14,625.00	
Access road	1,000.00	
Supervision, 60 days	1,200.00	
Jeep rental, 60 days	600.00	
Miscellaneous	2,587.50	
Contingencies	1,000.00	
Total		$21,012.50
Government Participation @ 75%		$15,759.37

Field Team Report: April 30, 1957, W.L. Emerick, USGS & T.M. Romslo, USBM:

The property lies in an exposed mass of Precambrian granite which is characterized structurally by a complex of joints. Uranium mineralization occurs along some of the joints as thin coatings. Such occurrences are probably present elsewhere in the granite of the district. Minerals present are probably uranophane and uraninite. Radioactive occurrences are spotty, running 2 to 3½ times background near yellow oxide coatings in a stripped area and in a pit.

A very small area containing thin coatings of probable uraninite at the bottom of the pit gave readings 5 to 6 times background.

Two chip samples across representative showings in the pit and one across a mineralized zone in the stripped area gave radiometric assays of 0.01, 0.01, and 0.03 percent U_3O_8, respectively.

Mineralized coatings along joint planes are intermittent and enclosed by a preponderance of barren granite. Improvement in occurrence or in quantity with depth does not appear probable. It is unlikely that significant deposits could be developed from occurrences of this nature in the granite. It is recommended that the application be denied.

Commodity Group Comments:

USGS, N. E. Nelson, May 8, 1957:

Concurs with the Field Team recommendation that the application be denied.

USBM, James Paone, May 9, 1957:

Agrees with the Field Team that the application should be denied.

Rare & Miscellaneous Metals Div., Michael Ching, May 15, 1957:

The potential of the property is quite limited. There is nothing to indicate that greater mineralization will be found in depth than on the surface.

Conclusions and Recommendations:

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

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

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comments complete.

May 9, 1957

4666

Uranium
L. R. Bloom, et al
Stony Peak No. 6 claim
Graham County, Arizona
$21,012.50

Ernest William Ellis, DMEA Member
Uranium Commodity Committee
James Paone, Bureau of Mines Member JP
Uranium Commodity Committee

Field Team Report

4/30/57 5/6/57

x

x

IN REPLY REFER TO:

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

DMEA-4666

May 8, 1957
Re: L. R. Bloom, et al
Stony Peak No. 6 Claim
Graham County, Arizona
Goodam County, Arizona
$21,012.50 - Uranium

Memorandum

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

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

Subject: Review of Field Team Report

The applicants requested assistance in exploring by drilling one claim, in a cut on which they report the presence of autunite and another mineral which gives a high count.

The examiners found the mineralization to consist of thin coatings of radioactive material, intermittently distributed in joint planes in granite. As estimated by eye and checked by sampling, the ratio of radioactive material to barren granite is very low. Only spots in the open cut show marked radioactivity, and the quantity of radioactive material in sight and that may be inferred is not such as to justify the proposed drilling.

Therefore, the examiners and the Field Team recommend that the application be denied.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

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5/9	Chng	700

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

May 3, 1957

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Report of Examination, Docket DMEA 4666 (Uranium) L. R. Bloom, et al (Stony Peak No. 6 Claim) Graham County, Arizona

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

The field examiners conclude that the probability for making a significant discovery is not sufficiently promising to justify Government participation. Accordingly they recommend that the Applicant's work proposal be denied to which the Field Team concurs.

E. N. Harshman

By E. N. Harshman
Acting Executive Officer

Enclosures

ON-SITE EXAM.

Reviewed by
DMEA OPERATING COMMITTEE
5/8/57
(date)

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DMEA
RECEIVED MAY 6 1957

DATE	INITIALS	CODE
5/6	JWS	220
	es	130
5/8	J.	220
5/9	Chrg	300

MINERAL DEPOSITS
DMEA
RECEIVED
MAY 2 1957
U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

TRANSMITTED
MAY 3 1957

Box 4126 University Station
Tucson, Arizona

DMEA
DEPARTMENT OF THE INTERIOR
MAY 2 - 1957
REGION III
DENVER, COLORADO

April 30, 1957

Memorandum

To: E. N. Harshman, Acting Executive Officer, DMEA Field Team, Region III

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

Through: E. N. Harshman
W. R. Storms

Subject: Docket DMEA-4666 (Uranium) L. R. Bloom, et al. (Stony Peak No. 6 Claim), Graham County, Arizona.

Enclosed are the original and 10 copies of a joint field examination report on the above property, recommending denial of the application.

Also enclosed is the Bureau copy of the docket, as instructed. The Survey copy of the docket is being sent under separate cover to E. N. Harshman's office.

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

T. M. Romslo, Mining Engineer
U. S. Bureau of Mines

WLE:TMR:mc

cc: Acting Executive Officer (10)
E. N. Harshman
W. R. Storms
W. H. King
W. L. Emerick

Reviewed by
DMEA OPERATING COMMITTEE
5/8/57
(date)

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DMEA
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DATE | CODE

FOR UNITED STATES GOVERNMENT USE ONLY

SITS
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1957
U. S.
SURVEY
DENVER, COLORADO

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

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

TRANSMITTED
MAY 3 1957

DMEA-4666 (Uranium) L. R. Bloom, et al.

Stony Peak No. 6 Claim

Graham County, Arizona

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

T. M. Romslo, Mining Engineer
U. S. Bureau of Mines

April 30, 1957

Reviewed by
DMEA OPERATING COMMITTEE
5/8/57
(date)

SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

The Defense Minerals Exploration Administration received an application from L. R. Bloom, et al, for aid in uranium exploration on the Stony Peak No. 6 claim, sec. 21 of unsurveyed T. 10 S., R.25 E., Graham County, Arizona. The application was received on March 1, 1957, given docket number DMEA 4666, and examined in the field on April 17, 1957. Proposed exploration of the application consisted of 2,250 feet of diamond drilling in 6 holes, assaying of samples, and the repairing of an access road. The total cost of the work was estimated at $21,012.50.

Uranium was first discovered on the property in December 1955, by Mr. Bloom. Work done on the property since discovery includes the building of a jeep trail and exploration of the best uranium showings by outcrop stripping and shallow open pits. Equipment consists of a jeep, compressor, slusher, and gasoline engine. Production from the workings has been a few hundred pounds of material the owners believe contains 0.2 to 0.3 percent U_3O_8. The mineralized rock is stockpiled on the property.

The Stony Peak No. 6 claim lies in an exposed mass of Precambrian granite that covers a fairly extensive area in this part of the Graham Mountains. Structurally, the granite is characterized

by a complex of joints. Uranium mineralization occurs along some of the joints, principally the flatter-lying or more longitudinal ones, as thin coatings. Occurrences of uranium mineralization of this type are probably present elsewhere in the granite of the district.

The uranium minerals that form thin coatings along the joints are the yellow oxide, uranophane, and a black mineral, probably uraninite. Some fluorite is associated in places with the uranium minerals.

Geiger counter readings on exposures of the yellow oxide coatings registered 2 to $3\frac{1}{2}$ times background in the stripped area and pit. At the bottom of the pit geiger counter readings registered 5 to 6 times background in a very small area containing thin coatings of probable uraninite along joint planes. Present work on the claim shows that the radioactive occurrences are spotty. The depth extension is unknown.

Applicant's assay return in application suggests a specimen and not a sample. Two samples collected by the field examiners across representative showings in the pit and one across a mineralized zone in the stripped area gave radiometric determinations of U_3O_8 of 0.01 percent, 0.01 percent, and 0.03 percent respectively.

In summary, the occurrences of radioactive material on this property are characteristically thin coatings intermittently deposited along joint planes, and they are enclosed by a preponderance of barren granite. Improvement in occurrence or in quantity with depth in the granite does not appear probable. Assay results of samples from representative occurrences of the radioactive material on the prospect are not encouraging. Also, the property is in the prospect stage. In conclusion, the field examiners do not feel it is geologically probable that any significant amounts of radioactive material could be developed from occurrences of this nature in the granite, and therefore recommend denial of the application.

DMEA-4666 (URANIUM) L. R. BLOOM, ET AL.
(STONY PEAK NO. 6 CLAIM)
GRAHAM COUNTY, ARIZONA

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Geology	4
Summary and Conclusions	7

ILLUSTRATIONS

Figure No.			
1	Location map	Following page	2
2	Geology map	" "	3

INTRODUCTION

The Defense Minerals Exploration Administration received an application from L. R. Bloom, et al, for aid in exploring for uranium on the Stony Peak No. 6 claim, Graham County, Arizona. The application was received and given docket number DMEA-4666 March 1, 1957. It was reviewed by the Operating Committee and forwarded to the Field Team, Region III for a field examination and a suitable report.

The proposed explorations of the poorly documented application comprise the diamond drilling of a total of 2,250 feet in 6 holes, the assaying of samples, and the repairing of an access road. The total cost of the work was estimated at $21,012.50.

The field examination was made April 17, 1957, by W. L. Emerick, geologist, U. S. Geological Survey, and T. M. Romslo, mining engineer, U. S. Bureau of Mines. They were accompanied by Messrs. L. R. Bloom and Colman O'Shea, 2 of the 4 owners of the property.

ACKNOWLEDGMENT

Appreciation is extended to members of the Atomic Energy Commission, principally R. A. Miller of the Phoenix office, and R. J. Schwartz of the Globe office, who very generously discussed the subject property with the field examiners prior to examination.

LOCATION AND ACCESSIBILITY

The Stony Peak No. 6 claim is about 20 air-miles southwest of Safford, Arizona, in sec. 21 of unsurveyed T. 10 S., R. 25 E., Graham County, Arizona (fig. 1). Safford, the County seat of Graham County, is located on U. S. Highways 70 and 666, and is a station on a branch line of the Southern Pacific railroad.

The claim is accessible from Safford by driving south 16.8 miles on paved U. S. 666 to its junction with the Stockton Pass dirt road. Proceed westerly 7.2 miles on the dirt road to a trail that branches to the left. Follow the southerly winding trail about 1 mile to its end at the mine workings. The trail is too rough and steep for other than 4-wheel drive vehicles.

TOPOGRAPHY, PHYSICAL FEATURES AND CLIMATE

The Stony Peak claims are at an average altitude of about 5,250 feet in the south-central portion of the Graham Mountains. The topography in the vicinity of the claims is rugged. Granite as boulders and bold outcropping rocks covers much of the area of the moderate to steep mountain slopes. Drainage is northwesterly to Cove Canyon at about 1 mile from the claims.

The principal vegetation is forage grasses and scrub oak trees.

Summers are mild and winters are not severe.

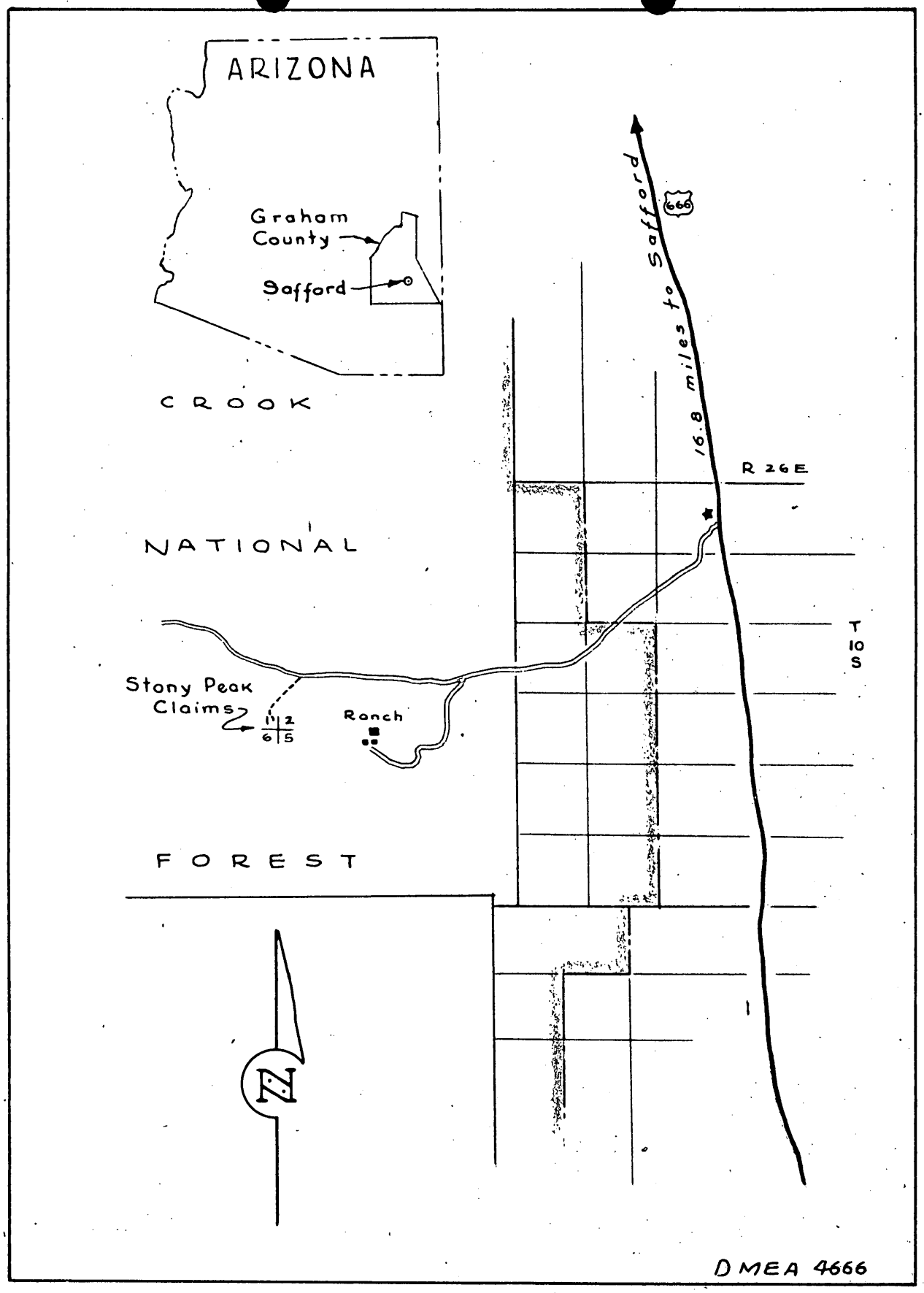

Fig. 1 Location map, L.R. Bloom et al
Graham County, Arizona

Annual precipitation of about 15 inches mainly occurs as heavy rainfalls in the summer and light rain and snowfalls in the winter.

HISTORY AND PRODUCTION

Mr. L. R. Bloom reported that he discovered uranium on the property and located the Stony Peak claims im December 1955. Since then he and 3 partners have built a jeep trail to the property and explored the best uranium showings by outcrop stripping and the open pit excavations shown on figure 2. At the present time they are deepening the pit. Equipment in use consists of a jeep, a home-made compressor, a jackhammer and a slusher powered by a gasoline engine.

Production from the above workings is confined to a few hundred pounds of material which the owners believe contains 0.2 to 0.3 percent U_3O_8. The mineralized rock is stockpiled on the property.

EXTENT AND OWNERSHIP OF THE PROPERTY

The proposed explorations are confined to the Stony Peak No. 6 claim that the owners say is recorded under Docket 41, page 277, at the Graham County Courthouse, Safford, Arizona. The owners also report that they have 5 adjoining claims located and monumented but not recorded.

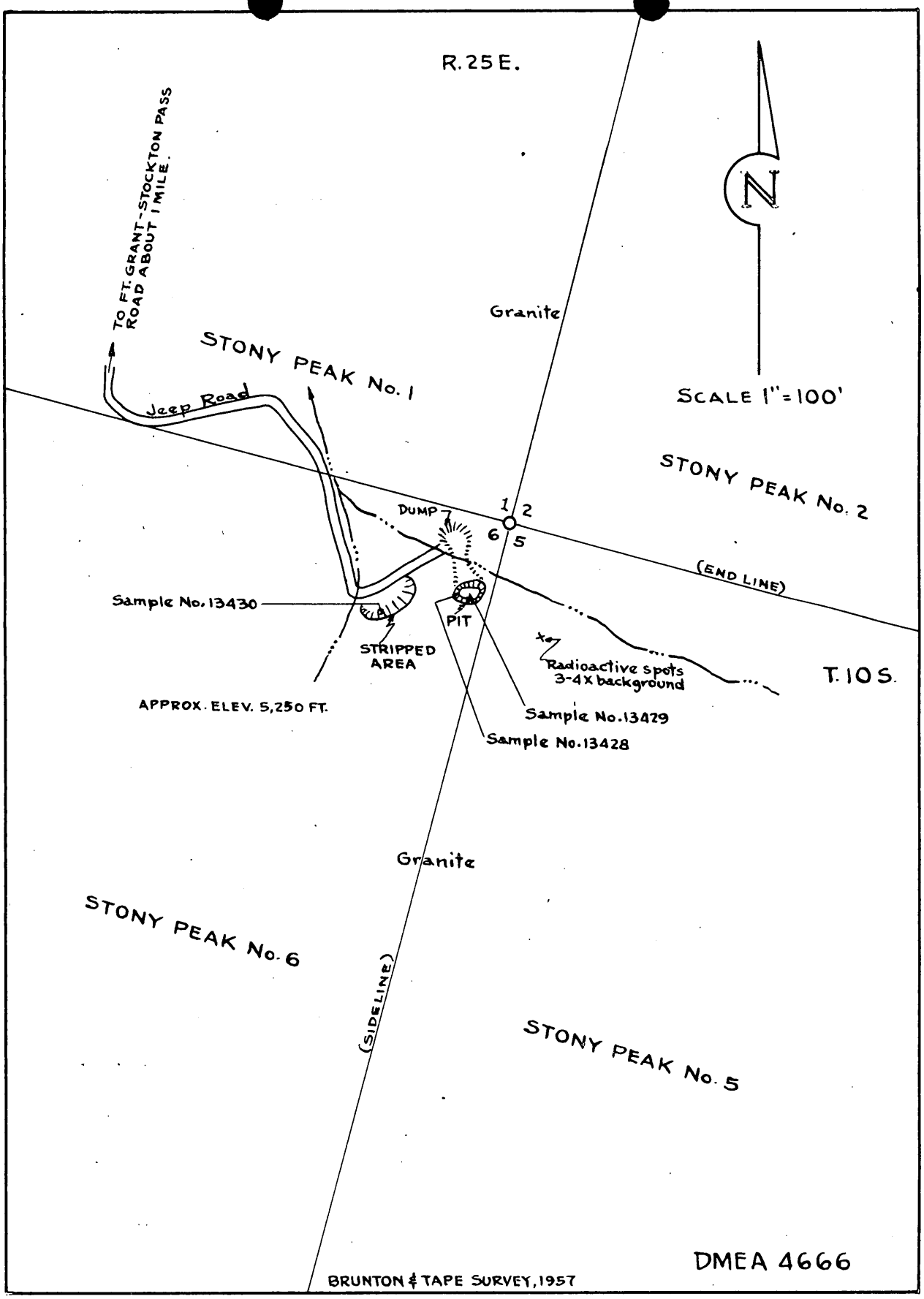

FIGURE 2.- GEOLOGY OF STONY PEAK No. 6 CLAIM, L.R. BLOOM ET AL., GRAHAM CO., ARIZONA.

OFFICIAL FILE COPY
D M E A
RECEIVED MAY 6 1957

DATE	INITIALS	CODE

The owners of the claims are 4 partners: L. F. Bloom, E. B. Hubbard, and Colman O'Shea, all of Safford, Arizona; and Lester W. Schonder, Tucson, Arizona.

GEOLOGY

The Stony Peak No. 6 claim lies in the southern end of the Graham Mountains, Graham County, Arizona, in an exposed mass of medium-grained Precambrian granite that covers a fairly extensive area in this part of the Graham Mountains. Structurally, the granite is characterized by a complex of joints. Uranium mineralization occurs along some of the joints, principally the flatter-lying or more longitudinal ones, as thin coatings. Coatings of various hydrothermal minerals[1/] along primary joints in granite is not uncommon, and it is certain the radioactive minerals occurring on the applicant's property occupy these. The applicant stated that occurrences of radioactive minerals similar to the ones on the Stony Peak No. 6 claim could be found elsewhere in the granite of the district.

The uranium minerals present on the Stony Peak No. 6 claim as thin coatings consist of the yellow oxide, uranophane, and a black mineral, probably uraninite. Some fluorite stringers were

---

1/ Billings, M. P., Structural Geology: Prentice-Hall, Inc., New York, pp. 303-305, 1942.

reported by Miller[2/] of the AEC in association with the uranium minerals.

Workings on the Stony Peak No. 6 claim consist of a 20 by 40 foot stripped area and a 15 by 20 foot circular pit about 15 feet deep (Fig. 2) at the end of a rough, winding jeep road. The stripped area exposes several longitudinal or flat-lying joints in the granite that are coated in places with a yellow uranium oxide mineral. Geiger counter readings on the yellow oxide mineral registered from 2 to $3\frac{1}{2}$ times background. In the pit yellow uranium oxides were present in places along some of the joint planes. These gave geiger counter readings from 2 to $3\frac{1}{2}$ times background. At the point of lowest excavation (about 15 feet) in the bottom of the pit, a thin black coating of a radioactive mineral, probably uraninite, occurring along a flat-lying joint plane, gave Geiger counter readings from 5 to 6 times background. Fifty feet southeast, up the slope, some surface exposures of the yellow oxide coatings gave geiger counter readings 3 to 4 times background. All of the present work on the claim is essentially of a prospecting nature and shows that the radioactive occurrences are spotty. The depth extension, if any, is unknown. It is doubtful if significant amounts of ore could be developed from occurrences of this nature, inasmuch as the mineralization is thinly spread, appears to be

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2/ Miller, R. A., oral communication, 1957.

intermittently deposited, and is enclosed by a preponderance of barren granite. Improvement or increase in occurrence or quantity in the granite does not appear geologically probable with depth.

Applicant submitted an assay return showing 0.67 percent U_3O_8 in one sample. The applicant's statement in regard to this assay return, during examination of the prospect, suggests that this "sample" was in reality a hand-picked specimen. Results of other assays are mentioned, but not included in the application. Three samples, located as shown on Fig. 2, were taken by the field examiners from material considered representative of the prospect by the applicant. The three samples were assayed by the U.S. Bureau of Mines, Tucson, Arizona, with the following results:

Sample No.	Percent U_3O_8 Radiometric	Description
13428	0.01	Chip sample cut across a 2-foot width in mineralized zone said to contain uraninite.
13429	0.01	Chip sample cut across 2-foot mineralized zone in pit.
13430	0.03	Chip sample in 20x40 foot stripped area across zone of yellow uranium oxides along joints in granite.

SUMMARY AND CONCLUSIONS

In summary, the occurrences of radioactive material on this property are characteristically thin coatings intermittently deposited along joint planes, and they are enclosed by a preponderance of barren granite. Improvement in occurrence or in quantity with depth in the granite does not appear probable. Assay results of samples from representative occurrences of the radioactive material on the prospect are not encouraging. Also, the property is still in the prospect stage. In conclusion, the field examiners do not feel it is geologically probable that any significant amounts of radioactive material could be developed from occurrences of this nature in the granite, and therefore recommend denial of the application.

DMEA
PARTMENT OF THE INTERIOR

MAR 28 1957
REGION III
DENVER, COLORADO

March 28, 1957

Memorandum

To: W. R. Storms

From: Superintendent, Denver Experiment Station, Reg. III

Subject: Docket DMEA 4666 (Uranium) L. R. Bloom, et al.
(Stony Peak No. 6 Claim) Graham County, Arizona

Enclosed please find the application for L. R. Bloom, et al Docket DMEA 4666, in the amount of $21,012.50.

A field examination and suitable report are required. The completed report should be forwarded directly to the Executive Officer with a copy of the memorandum of transmittal to this office.

W. H. KING

W. H. King

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cc: Executive Officer (3)
E. N. Harshman
W. L. Emerick

W012

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224 New Customhouse
Denver 2, Colorado

March 27, 1957

Memorandum

To: W. H. King, W. L. Emerick } W/enclosures, Items 1-5

From: DMEA Field Team, Region III

Subject: Docket DMEA 4666 (Uranium) L. R. Bloom, et al. (Stony Peak No. 6 Claim) Graham County, Arizona

Enclosed is the following material relating to the subject docket.

1. Copy of application for Government assistance in exploration work under the DMEA program.
2. Memorandum of Review by John E. Crawford, USBM.
3. Memorandum of Review by W. P. Williams, USGS.
4. Letter of transmittal of the foregoing to this office, dated March 21, 1957, from the Chairman, Operating Committee, DMEA.
5. Routing control sheet.

You are requested to submit either a joint report of recommendations based on available information or to examine the property and submit a joint report of the findings and recommendations.

If the field examiners view the work proposal favorably, the applicant should be instructed to submit to this office a bid for the drilling recommended from each of three independent drilling contractors. The field examiners should also inform the applicant to include for subordination any adjoining land which the field examiners believe might benefit from the proposed exploration work.

Twelve extra copies of each map used in the joint report which show the land to be subordinated and the location and extent of recommended work, relative to property boundaries, should be submitted if Government participation is recommended.

The Bureau of Mines' copy of the application should be returned to this office with the joint report of examination. The Survey's copy of the application is to be returned to Mr. Harshman's office.

Original signed by
E. N. HARSHMAN

By E. N. Harshman
Acting Executive Officer

Enclosures

MEM:eh
cc: Sec. Op. Comm. (2)
Harshman W/enclosures, Items 2-4
King
Docket
Chron.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/19	Ching	700
"	[illegible]	700
3/20	Selfridge	130
"	[illegible]	110
"	[illegible]	100
3/21	[illegible]	220
		700

Mr. E. N. Harshman
Acting Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

MAR 21 1957

Re: Docket No. DMEA-4666 (Uranium)
L. R. Bloom, et al.
Stony Peak No. 6 Claim
Graham County, Arizona

Dear Mr. Harshman:

The subject application is being referred to you for investigation, a field examination if warranted, and recommendations.

Enclosed for your information are memoranda, dated March 12 and 15, 1957, by John E. Crawford, USFM, and W. P. Williams, USGS, respectively, relating to the application. Also enclosed are two copies of the application for the use of the Field Team.

The application is poorly documented, but the most practicable approach appears to be to examine the property, and if found favorable, to request the Applicant to supply drill bids and include any adjoining land that might benefit from the proposed exploration work.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Enclosures

APPROVED:

Frank D. Lamb

Member, Bureau of Mines (GCS)

Thor H. Kiilsgaard

Member, Geological Survey (GCS)

MChing/gla
3-19-57
cc to: Admr.'s Reading File
Operating Committee
Mr. Ching, Code 700
THKiilsgaard, Rm. 5224
Jack Kratchman - AEC

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/19	Ching	700
"	[illegible]	700
3/20	Selfridge	130
"	[illegible]	110
"	Mittendorf	100
		220

700

MAR 21 1957

Mr. Colman O'Shea
L. R. Bloom, et al.
Safford, Arizona

Re: Docket No. DMEA-4666 (Uranium)
Stony Peak No. 6 Claim
Graham County, Arizona

1 Filegoard
Lamb

Dear Mr. O'Shea:

The application for assistance in exploring your claim, under the captioned docket number, has been reviewed by the Rare and Miscellaneous Metals Division of the Defense Minerals Exploration Administration. It has been referred to:

Mr. E. N. Harshman
Acting Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

The Regional Office will contact you in regard to your project if additional information is required.

Sincerely yours,

C. O. Mittendorf

Administrator

MChing/gla 3-19-57
cc to: Admr.'s Reading File
Mr. Ching, Code 700
DMEA Field Team, Region III (2)

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

March 19, 1957

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RECEIVED MAR 21 1957

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"	~~Chng~~	700
	J	

Memorandum

To: Secretary to the Operating Committee, ~~DMEA~~

From: DMEA Field Team, Region III

Subject: Docket DMEA 4666 (Uranium) L. R. Bloom, Lester W. Schonder, E. B. Hubbard and Colman O'Shea; a Partnership (Stony Peak #6 claim) Graham County, Arizona

Enclosed are three copies of a Chemical Assay Certificate with transmittal letter dated March 14, 1957, from the applicant with reference to the subject application.

E. N. Harshman

By E. N. Harshman
Acting Executive Officer

Enclosures

Tucson, Arizona,
Mar. 14th 1957.

Bureau of Mines,
224 New Customhouse Building,
Denver, (2) Colo.

An application was sent to you about Feb 15-1957 requesting an explosion loan, to be used in the area of Stony Peak Claims Stockton Pass. Near Safford Ariz.
Partnership of
L. R. Bloom,
Emory Hubbard,
L. W. Schonder.
At the time we did not have our Chemical assay, recently received on above property.
Chemical assay enclosed.
Respectfully.
L. W. Schonder

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DMEA
DEPARTMENT OF THE INTERIOR
MAR 18 1957
REGION III
DENVER, COLORADO

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DOCKET 4666

ARIZONA TESTING LABORATORIES

A DIVISION OF CLAUDE E. McLEAN & SON LABORATORIES, INC.
PHONE AL 3-6272 817 WEST MADISON ST. P O. BOX 1888 PHOENIX

Chemists . . . Engineers

For Mr. L. W. Schonder
852 South Eli Drive
Tucson, Arizona

Date February 23, 1957

Sample of ore

Received: 2-20-57

Submitted by: same

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DATE	INITIALS	CODE

ASSAY CERTIFICATE

Gold figured at $ 35.00 per ounce. Silver figured at $ 0.90 per ounce.

Lab. No.	Identification	Gold		Silver		Percentages
		Oz. per Ton	Value	Oz. per Ton	Value	~~URANIUM~~ (U_3O_8)
T-2929-P	no mark					0.67

CERTIFIED ASSAYER CLAUDE E. McLEAN DEC 31 1967 ARIZONA U.S.A.

DMEA
DEPARTMENT OF THE INTERIOR
MAR 18 1957
REGION III
DENVER, COLORADO

Respectfully submitted,
ARIZONA TESTING LABORATORIES

Charges: $ ~~7.50 PAID~~
10M 3-56 AMPCO 95591 Mail

PCY TO
WD 32
EMERICK
Shaw 2

DOCKET

CHEMICAL • RESEARCH • ASSAY • ORE TESTING • PHYSICAL TESTING

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

IN REPLY REFER TO:

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 18 1957

DATE	INITIALS	CODE
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"	~~E Ellis~~	700
	Chrisy	

comments complete

March 15, 1957

Memorandum

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

From: W. P. Williams, U. S. Geological Survey

Subject: Review of application, DMEA 4666, L. R. Bloom, et al., Stockton Pass claims, Graham County, Arizona, (uranium).

The applicant proposes to explore for uranium ore on one mining claim located about 26 miles south of Safford, Arizona. The proposed project would consists of 2,250 feet of core drilling and about 1,000 feet of road work, all at a total project cost of $21,013.

Past work on the claim consists of 'location holes' and a trench about 100 feet long. The applicant gives no factual information concerning the results of the work. He states that several samples were taken for assay but furnishes no assay returns. He does not say what was found in the drill holes. Two crude sketch maps are non-informative.

Uranium minerals appear to be present on the claim in fractures in granite. If so, the chances of developing large tonnages of ore are very likely slight.

The application is poorly documented. Neither county recordation of the claim nor contractor's bids are submitted. The applicant could justifiably be asked to supplement the application. On the other hand the site is near and readily accessible to the Tucson field office. Perhaps the most expeditious approach would be to ask the Field Team to examine the property and submit recommendations. The latter course is recommended. — Given

W. P. Williams

W. P. Williams

OFFICIAL FILE COPY DMEA RECEIVED MAR 12 1957		
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"	Ellis	700

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

Date March 12, 1957

DMEA Docket No. 4666
DMEA Contract No.
Commodity Uranium
Name of applicant Bloom, Schonder, Hubbard, et.al.
Name of property Stockton Pass claims
Location of property Graham Co., Arizona
Estimated cost of project $21,012.50

Memorandum

To: ~~Ernest William~~ Ellis, DMEA Member
Uranium Commodity Committee

From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee JEC

Subject: Review of Application
(Application, Field Team Report, etc.)

1. Date of subject document: 2/20/57. 2. Date received by reviewer: 3/6/57

3. Prior reports on this property known to reviewer: Yes ☐ No ☐

4. Prior reports on nearby properties known to reviewer: Yes ☐ No ☐

5. Information available on past production: Yes ☐ No ☐

6. Other pertinent factors known to reviewer: Yes ☐ No ☐

7. Explain items marked yes above:

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

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

10. Remarks: (Use back of page if necessary)

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

March 5, 1957

Mr. Colman O'Shea,
P. O. Box 490
Safford, Arizona

Subject: DMEA-4666
Re: Exploration Assistance

Dear Mr. O'Shea:

Your application for exploration assistance, dated February 20, 1957 submitted to our office at Denver, Colorado has been assigned Docket Number DMEA-4666 and referred to the Rare & Miscellaneous Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Chief
Operations Control and
Statistics Division

Copy to: Region III

3571