DMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

DMEA NO. 4723

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(~~Withdrawn~~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

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
APR 11 1957
U. S. G. S.
SPOKANE, WASH.

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. 4723
Metal or Mineral URANIUM
Date Received 4-15-57
Estimated Cost None Given
Participation (Government %)

RECEIVED APR 15 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.

HENRY SHAKNIS
Route 2, Box 471
Gold Hill, Oregon

and Betty C. SHAKNIS (wife)

(*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

S.E. 1/4 of N.W. 1/4 - Section 25, Township 35, Range 3W (40 acres or more)
Jackson County, Oregon
Excluding part containing home, chickenhouse, barn + pasture approx 5 acres)

(*b*) State any mine name by which the property is known. Henry and Betty's Diggings

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(*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.

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 April 8 1957, 195__

Henry Trakmis
(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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

OFFICIAL FILE COPY
DMEA
RECEIVED APR 15 1957

DATE	INITIALS	CODE

April 12, 1957

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: New Application (Uranium)
Henry Shaknis and Betty C. Shaknis
Henry and Betty's Diggings
Jackson County, Oregon

Dear Mr. Selfridge:

Enclosed are three copies of an application submitted by Henry Shaknis, Route 2, Box 471, Gold Hill, Oregon. We have retained one copy for our files.

We have no information on this property.

Sincerely yours,

D. R. MacLaren

D. R. MacLaren
For: Wing G. Agnew
Acting Executive Officer, DMEA
Field Team, Region I, NW Dist.

Enclosures

cc: USBM (2)
Geologist

April 8th 1957

REFER TO	ACTION	NOTED	DATE
OK Mac		Dead	
DMEA			
ANSWERED			

Mr. A. E. Weissenborn, Executive Officer DMEA
Region 1, Northwest District
Defense Minerals Exploration Administration
South 157 Howard St., Spokane 4, Wash.

Dear Sir:-

Thank you for your prompt reply regarding my inquiry about the DMEA program and requesting application forms.

Am herewith enclosing "Application for Aid in an Exploration Project" and have completed this questionnaire to the best of my knowledge.

My reason for wishing to explore are: In going over my property with a geiger counter, also a scintillator counter, have noticed a great deal of radio activity. This is not "mass effect" as I have gone over the property time and time again over a period of several months. Finally, I blocked off a spot that I believe is a logical location, as this spot has always registered the highest amount of radiation thru all my readings.

Before opening up the shaft for exploration, the readings at this spot was 1.52 allowing .20 for the background, the reading would then be 1.32 Also the reading was .05 background when I had the scintillator in the house — now its .2 thats since the Exploration shaft was opened.

My scintillator has been calibrated and checked, and found in perfect condition!

Have sunk a 9' x 16' Exploration Shaft and

II

its depth is approximately 5 feet at this time. However, due to rainy weather, have been unable to continue with this work as surface water entered the Exploration Shaft, this time of the year. (this location is not a creek bed or wash)

Regardless as to how I pumped out the water, it kept seeping in. Nevertheless I have been busy doing work getting ready to frame the Exploration Shaft, using material I have on hand.

I can still go ahead with the tools and equipment I have on hand, to another 5 feet. The structure of the Exploration Shaft being sandstone, some clay, some hard rock, all mineral bearing, well-bedded.

Am desirous of having the Shaft sunk to 110 ft for exploration, but then I'll need heavier equipment such as hoisting boom and bucket and the question is the prices on renting or leasing. Therefore am unable to give an accurate estimate.

Have contacted a Supply Company in Medford that carries mining equipment and have been advised that they don't rent out hoists. They would have to be purchased outright. The hoisting boom and bucket would have to be built. Compressors come in various sizes and air hoses, air breaker drills and air tools could be rented.

The property on which the Exploration Shaft is located is gentle rolling land and easily accessible being on a county road. Shipping distance about 6 1/2 miles to Gold Hill and the supply center would be Medford which is a distance of 18 miles. There is ample water on hand, also have electricity on the premises.

III

Regarding the property, I wish to exclude from exploration that part of the property that contains the home, barn chicken houses + small pasture - that used to approximately 5 acres, this is fenced off. allowing 35 acres or more to be explored. The (entire) property is completely fenced.

With regards to the unit cost of $30.00 per foot, what size shaft is this based on? Is this the shaft size or amount of material extracted therefrom?

Trusting this application and information meet with your approval,

Sincerely yours,

Henry Shaknis

HENRY SHAKNIS
Route 2, Box 471
Gold Hill, Oregon

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DMEA
RECEIVED APR 15 1957

DATE	INITIALS	CODE

RECEIVED
APR 11 1957
U. S. G. S.
SPOKANE, WASH.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

OFFICIAL FILE COPY
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RECEIVED SEP 9 1957
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" | | 700
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September 6, 1957

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-4723 (Uranium)
Henry and Betty Shaknis
Jackson County, Oregon

Dear Mr. Selfridge:

Enclosed are two copies of a self-explanatory letter dated September 4, 1957, from Millard L. Reyner, Chief, Resource Appraisal Branch, Atomic Energy Commission, Salt Lake City, Utah.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I

Enclosures

cc: USBM (2) w/2 copies of encl.
Albee w/copy of encl.

Dyna 12

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8/28	Ching	700
8/28	Ellis	700
8/28	Selfridge	436
"	Johnson	110
"	Mittendorf	100
8/25	Kilsgaard	1300
8/29	O	220
		225

Mr. Henry Shaknis
Route 2, Box 471
Gold Hill, Oregon

AUG 28 1957

Re: Docket No. DMEA-4723 ~~(Uranium)~~
SE¼NW¼, sec. 25, T. 35 S., R. 3 W.
Jackson County, Oregon

8/28 Jones (130)

Dear Mr. Shaknis:

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 a small amount of 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,

O. O. Mittendorf

Administrator

MChing/izm 8-28-57
cc to: Mr. Ching
Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
DMEA FT Reg. I (2)

8623

Docket

Ching Ellis

August 28, 1957

Summary of Proposed Project

Object: Denial of application for an exploration project.

Docket No.: DMEA-4723

Commodity: Uranium

Applicant: Henry and Betty C. Shaknis
Route 2, Box 471
Gold Hill, Oregon

Property: The SE¼ of the NW¼ of sec. 25, T. 35 S., R. 3 W., W.M.&B., Jackson County, Oregon, except approximately 5 acres containing the home, chicken houses, barn and pasture. Applicant is the owner.

Date of Application: April 8, 1957

Amount of Application: None stated.

Referred to Region I: June 20, 1957

Field Examination Made: July 7, 1957

FT Report Received: August 19, 1957

Work Proposed: Sink a 110-foot shaft at a point showing the highest radioactivity. No estimate of cost.

Field Team Report: July 31, 1957 - Howard F. Albee, USGS:

The property is underlain by the Umpqua formation of Eocene age, which is predominantly a medium-grained sandstone with some shale and interbedded conglomerate lenses.

The property has been prospected by Geiger and scintillation counters and an open pit excavated in the vicinity of the highest readings to a depth of 7½ feet. A bed of conglomeratic sandstone at the bottom of the pit and a vertical channel in the wall were sampled. The assays ran 0.010 and 0.012% U_3O_8, respectively. Radioactivity was very slight. Such radioactivity in a sandstone associated with and containing some volcanic debris is not unexpected. There is no geologic reason to expect significantly better results if further work were done either laterally or at depth.

It is concluded that the chance of making a significant discovery on the property is poor. Denial of the application is recommended.

Commodity Group Comments:

USBM, James Paone, August 23, 1957:

Agrees with the Field Team and advises denial of the application.

USGS, W. P. Williams, August 27, 1957:

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

Div. of Rare & Misc. Metals, Michael Ching, August 28, 1957:

The property has no potential for uranium deposits and the Applicants are obviously not competent to carry out an exploration project.

Conclusions and Recommendations:

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

Ernest Wm. Ellis

Ernest Wm. Ellis, Director
Division of Rare and
Miscellaneous Metals

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DMEA
RECEIVED AUG 28 1957

DATE	INITIALS	CODE
8/28	Q	220
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IN REPLY REFER TO:

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

Memorandum

August 27, 1957

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

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

Subject: Review of field examination report, DMEA 4723 (uranium), Henry and Betty Shaknis, Jackson County, Oregon.

According to the examining geologist's report the applicant's property is not suitable for a DMEA project.

While some radioactivity was noted on the property by the examiners, it was of such low grade as to hardly be anomalous. Furthermore, there do not seem to be any geologic reasons for the radioactivity to be more intense either laterally or with depth. The applicant's work proposal is not applicable under the conditions involved.

The Field Team's recommendation for denial of the application seems justified, and I am in agreement.

W. P. Williams

W. P. Williams

OFFICIAL FILE COPY DMEA RECEIVED AUG 23 1957		
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UNITED STATES
ATOMIC ENERGY COMMISSION
DIVISION OF MINES
Washington 25, D. C.

Date August 23, 1957

DMEA Docket No. 4723
DMEA Contract No.
Commodity Uranium
Name of applicant Henry and Betty Shaknis
Name of property Henry and Betty's Diggings
Location of property Jackson County, Oregon
Estimated cost of project

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

From: James Paone, Bureau of Mines Member JP
Uranium Commodity Committee

Subject: Review of Examination Report
(Applicant's, Field Team's, or ?)

1. Date of subject document: 8/15/57. 2. Date received by reviewer: 8/22/57

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 [ ]
   d. Geology [ ]
   e. Proposed exploration method [ ]
   f. Alternate exploration method [ ]
   g. Costs [ ]
   h. _____ [ ]

9. Action advised:
   a. Obtain information from applicant [ ]
   b. Refer to Field Team [ ]
   c. Denial [x]
   d. Agree with Field Team [x]
   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)

DMEA

No. 157 Howard Street
Spokane 8, Washington

August 19, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 22 1957

DATE	INITIALS	CODE
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Mr. Arthur H. Granger, Manager
Salt Lake Area Office
U. S. Atomic Energy Commission
P. O. Box 2106
Salt Lake City, Utah

Re: Docket No. WMA-4723 (Uranium)
Henry and Betty Thaknis
Henry and Betty's Diggings
Jackson County, Oregon

Dear Mr. Granger:

Enclosed are copies of an application for aid in an exploration project, the referral from our Washington office to examine this property, and other pertinent data together with an examination report and the Field Team letter transmitting it to Washington concurring with the examiners that the application be denied.

We would appreciate any comments you may have to offer on this denial.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I

Enclosures
cc: DMEA(2)
USBM(2)
Albee

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

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DMEA
RECEIVED AUG 19 1957

DATE	INITIALS	CODE
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August 15, 1957

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-4723 (Uranium)
Henry and Betty Shaknis
Henry and Betty's Diggings
Jackson County, Oregon

Dear Mr. Selfridge:

Enclosed are three copies of an examination report by Howard F. Albee, Geologist, U. S. Geological Survey, on the above referenced application.

Rocks in the area are medium-grained sandstone and shale with interbedded lenses of conglomerate. The highest radioactivity count was twice background, and two samples of what the applicant claimed was the best material assayed 0.010 percent and 0.012 percent cU_3O_8, respectively.

Albee concludes that the chance of making a significant discovery of uranium ore on this property is poor and recommends that the application be denied. We concur with this conclusion and recommendation.

We are sending a copy of this report and of the application to the AEC area office at Salt Lake City asking for their comments. We will forward them to you as soon as we receive them.

By Field Team, Region I

Wing G. Agnew, Acting Exec. Officer
U. S. Bureau of Mines

Donald R. MacLaren, Acting Member
U. S. Geological Survey

Enclosures

cc: USBM (2)
USGS (SRO)
Albee
AEC, SLC w/copy encl.

Reviewed by
DMEA OPERATING COMMITTEE
8-23-57
(date)

ON-SITE EXAM

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 19 1957

DATE	INITIALS	CODE
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		220

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
So. 157 Howard Street
Spokane 4, Washington

July 31, 1957

MEMORANDUM

To: DMEA Field Team, Region I

From: Howard F. Albee, Geologist, U. S. Geological Survey

Subject: Field examination report, Docket No. DMEA-4723 (uranium), Henry and Betty Shaknis, Henry and Betty's Diggings, Jackson County, Oregon

DMEA (3)

INTRODUCTION AND SUMMARY

An application for exploration assistance was received from Mr. Henry Shaknis and Mrs. Betty C. Shaknis on April 11, 1957. The property was examined by Howard F. Albee and Donald C. Alvord, geologists, U. S. Geological Survey, on July 7, 1957, accompanied by Mr. and Mrs. Shaknis.

The examination consisted of mapping and sampling an open pit which was the only exposure of bedrock on the property.

Two samples were taken from the pit where the highest radioactivity was indicated (fig. 2). The samples assayed 0.010 and 0.012 percent U_3O_8. The pit exposed lenses of sandstone and conglomerate of the Tertiary Umpqua formation that showed only a slight radioactivity anomaly by geiger counter. There is no geologic reason to expect significantly better results if further work were done either laterally or at depth.

RECOMMENDATION

Denial of the application is recommended.

APPLICANT

The applicant, Mr. and Mrs. Shaknis, own and operate a small farm in the Gold Hill district on which a slight radioactivity anomaly was detected. As is indicated by the present work and the proposed work, the applicant has no background in either mining or prospecting. There is no basis for the type of exploration proposed nor would the applicant be competent to complete the program if there were.

Reviewed by
DMEA OPERATING COMMITTEE
8-23-57
(date)

LOCATION AND ACCESSIBILITY

The property is in the SE¼ of the NW¼ of sec. 25, T. 35 S., R. 3 W., Jackson County, Oregon. It is reached by traveling five miles northeasterly from Gold Hill on State Highway No. 234, thence north one mile on a paved road toward Sam's Valley, thence westerly one mile by graveled county road (fig. 1). The property lies north of and adjacent to this road. The property is on a very gentle, southerly slope near the western edge of a broad valley and would be accessible throughout the year.

PROPERTY RIGHTS

The property consists of about 40 acres of unincumbered farm land owned by the applicant.

DESCRIPTION OF THE PROPERTY

The property has been prospected by geiger and scintillation counters and an open pit dug in the vicinity of the highest readings. The pit is approximately 9 feet wide, 16 feet long and, in part, 4½ feet deep. A 6- by 9-foot area within the pit has been extended to 7½ feet deep. Buildings on the property include a farmhouse, barn, and the several utility buildings common to most farms.

GEOLOGY

The general geology of the area is described by F. G. Wells and others in the "Preliminary geologic map of the Medford quadrangle, Oregon."

The property is underlain by the Umpqua formation of Eocene age. The Umpqua formation is predominantly a medium-grained sandstone with some shale and interbedded conglomerate lenses. The color of the sandstone ranges from white to light brown and is most commonly pale yellowish brown to buff. The grains of the sandstone range from fine to coarse and are angular to subrounded. The sandstone is poorly cemented and can be dug with a pick. The sandstone contains much volcanic material and some of it could properly be called tuff. Muscovite is a common constituent and is conspicuously abundant in places. Conglomerate lenses are commonly interbedded in the sandstone and consist of poorly-sorted, well-rounded pebbles to cobbles of granitic, metamorphic, and volcanic rocks.

The country rock in the open pit (fig. 2) is a gray to brown-colored, medium-grained, calcareous, arkosic sandstone with sparse, well-rounded pebbles of both quartzite and granitic rocks.

The quartzite pebbles are unaltered whereas the granitic pebbles are strongly kaolinized and soft. The bedding ranges in thickness from about 6 inches to 2 feet with some interbedded thin lenses of conglomerate. Small scale, low angle scour and fill structure is apparent with some thin iron and carbonate banding parallel to the bedding. Dark, nearly black zones, possibly manganese oxides, are present locally.

A bed of conglomeratic sandstone is exposed in the bottom of the pit (fig. 2). The applicant termed this "hot" when it showed one and a half to two times background, and indicated it to be the best showing on the property. One sample was cut across the conglomeratic sandstone and one sample was taken from a vertical channel in the wall. The bottom sample assayed 0.010 percent U_3O_8 and the wall sample assayed 0.012 percent U_3O_8.

CONCLUSIONS

There is no geologic reason to infer a change in character of the sandstone or an increase in the slight radioactivity anomaly either laterally or vertically from the open pit. Slight radioactivity in a sandstone associated with and containing some volcanic debris is not unexpected as pointed out by Aaron C. Waters and Harry C. Granger in U. S. Geological Survey Circ. 224, (1953) entitled "Volcanic debris in uraniferous sandstones, and its possible bearing on the origin and precipitation of uranium." Radioactivity at the property, however, was very slight and no structures or other criteria were seen to infer a change in radioactivity or in the character of the sandstone laterally or at depth. Therefore, it is concluded that the chance of making a significant discovery of uranium ore on this property is poor.

APPLICANT'S PROPOSAL

The applicant proposes to sink a shaft 110 feet. There are no good outcrops for observation in the vicinity of the property and the applicant's reasoning for sinking to that particular depth could not be clearly ascertained. Such a proposal is obviously the wrong approach, but inasmuch as the property does not warrant exploration an alternate proposal will not be discussed.

Attachments 2

Distribution:
- DMEA (3)
- USBM (2)
- USGS (SRO)
- AEC, SLC
- Docket
- Albee

DMEA 4723

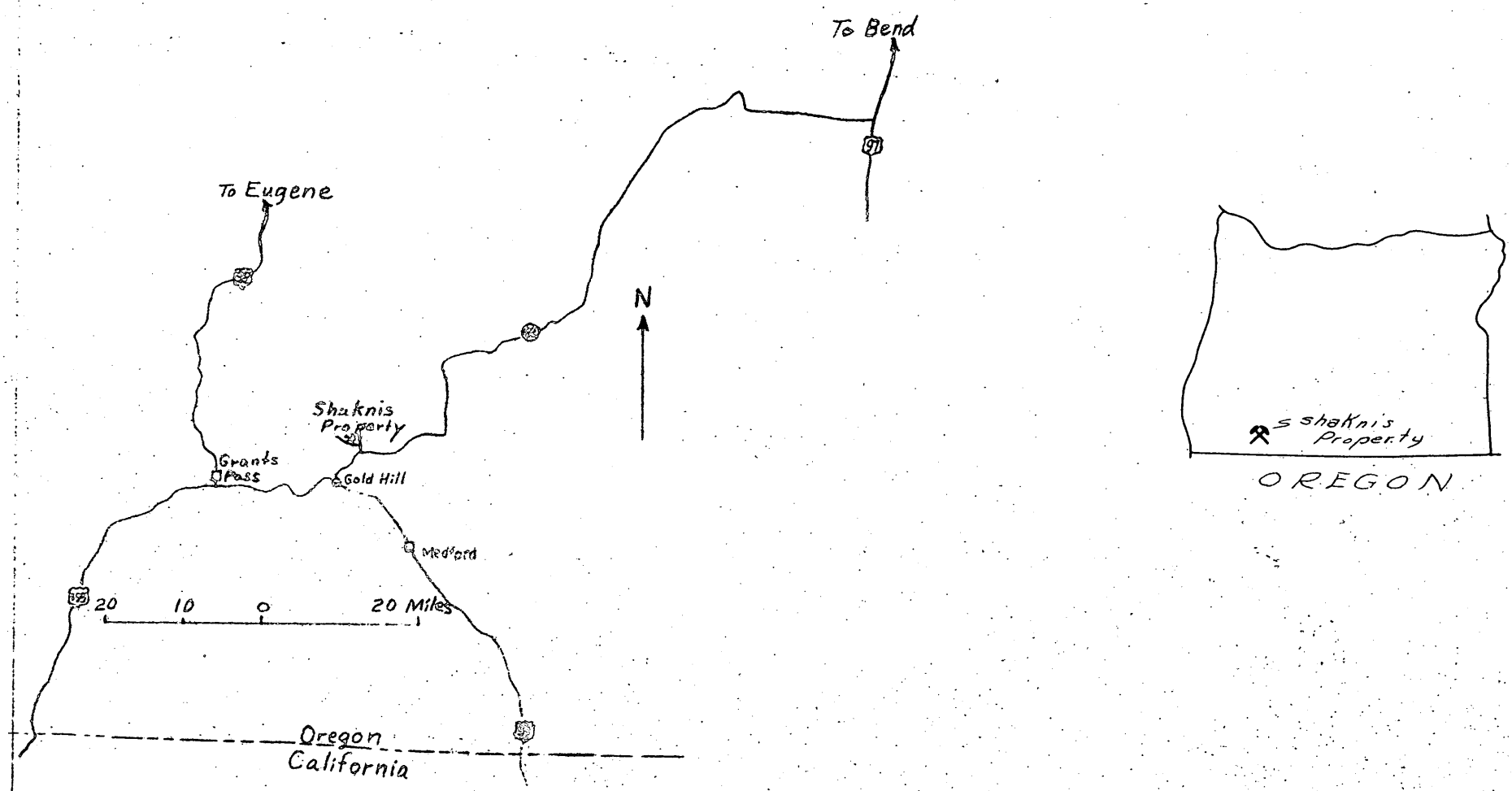

Figure 1. Index map, Shaknis property, Jackson County, Oregon

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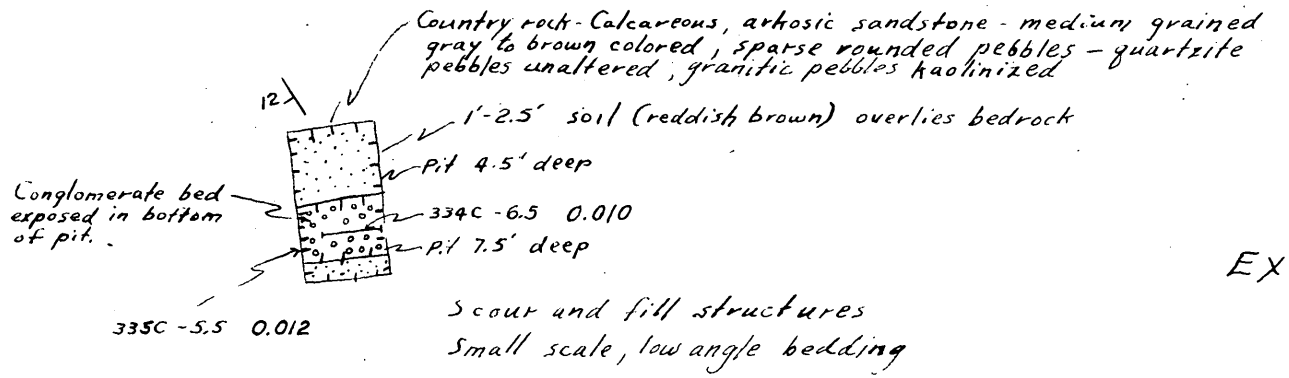
DATE	INITIALS	CODE



EXPLANATION

Sandstone

Conglomerate

Samples

Sample No	length (feet)	Chemical Assay (% U_3O_8)
334 C	6.5	0.010

Geologic map of prospect pit on the
SHAKNIS PROPERTY
SE ¼ of NW ¼, Section 25, T. 35 S., R. 3 W.,
Jackson County, Oregon

20 10 5 0 20 FEET

By. Howard F. Albee. July 1957

Fig 2

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DATE	INITIALS	CODE

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(12-56)

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Date	Surname	Code
6/18	Ching	700
6/18	Ellis	700
6/19	GCS	130
"	Johnson	110
20	Mullaney	100
		220
		700

JUN 20 1957

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region I,
Northwest District
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA-4723 (Uranium)
Henry and Betty C. Shaknis
SE¼NW¼ sec. 25, T. 35 S., R. 3 W.
Jackson County, Oregon

Dear Mr. Weissenborn:

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

Enclosed for your information are memoranda, dated June 13 and 14, 1957, by N. E. Nelson, USGS, and James Paone, USBM, respectively, relating to the application. Also enclosed is a copy of the application and two copies of supplemental information recently submitted by the Applicant, for the use of the Field Team.

While it is evident that the application is lacking in cost estimates, a proper exploration target, and a logical reason for sinking a 100-foot shaft, it is apparent that we have received about all the information that the Applicant is capable of giving; hence referral of the subject application to the field.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GCS)

Enclosures

APPROVED:

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

N. E. Nelson (GCS)
Member, Geological Survey

MChing/izm 6-18-57
cc to: Mr. Ching
Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
6/18	Ching	700
6/18	Ellis	700
6/19	Lebsen	130
6/19	Lamb	130
6/19	Selfridge	130
"	[illegible]	110
6/20	Mittendorf	100
		220
6/21	C	700

JUN 20 1957

Mr. Henry Shaknis
Route 2, Box 471
Gold Hill, Oregon

Re: Docket No. DMEA-4723 (Uranium)
SE¼NW¼ sec. 25, T. 35 S., R. 3 W.
Jackson County, Oregon

Dear Mr. Shaknis:

Your letter of June 6, 1957, and attached sketch have been received. Your application is now being referred to Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region I, Northwest District, South 157 Howard Street, Spokane 4, Washington, for further consideration and possibly a field examination.

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

MChing/izm 6-18-57
cc to: Mr. Ching
Admr.'s Reading File
DMEA FT Reg. I, NW Dist. (2)

8623

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DMEA
RECEIVED JUN 17 1957

DATE	INITIALS	CODE
6/17	JWR	220
"	Ellis	700
"	Chrny	

Comments Complete

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

Date June 14, 1957

DMEA Docket No. 4723
DMEA Contract No.
Commodity Uranium
Name of applicant Henry Shaknis & Betty C. Shaknis
Name of property Henry & Betty's Diggings
Location of property Jackson County, Oregon
Estimated cost of project -

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

From: James Paone, Bureau of Mines Member
Uranium Commodity Committee JP

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

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

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 ☐
   d. Geology ☐
   e. Proposed exploration method ☐
   f. Alternate exploration method ☐
   g. Costs ☐
   h. _____ ☐

9. Action advised:
   a. Obtain information from applicant ☐
   b. Refer to Field Team ☐
   c. Denial [x] without prejudice
   d. Agree with Field Team ☐
      1. Consult with Mr. _____ at _____ AEC office.
   e. Disagree with Field Team ☐
   f. Suggest alternate plan ☐
   g. Request another examination ☐
   h. Approval ☐

10. Remarks: (Use back of page if necessary)
No mineralized target is apparent.

IN REPLY REFER TO:

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

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DMEA
RECEIVED JUN 14 1957

DATE	INITIALS	CODE
6/14	JWG	220
"		700

June 13, 1957

Re: DMEA 4723
Henry & Betty Shaknis
Henry & Betty's Diggings
Jackson County, Oregon
No cost est. - uranium

Memorandum

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

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

Subject: Review of application

The applicants request assistance in sinking a shaft 100 feet.

The information given in support of the application is indefinite. The readings of the counter may mean something, but the work seems to have been done by an amateur who has little idea of what he is doing and less of what he is proposing to do.

Perhaps the applicants should be requested to send to the Spokane office some of the radioactive material he thinks he has.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

June 6th 1957

U. S. Department of the Interior
DMEA, Washington, 25, D.C.

June 6th 1957

OFFICIAL FILE COPY
RECEIVED JUN 10 1957

DATE	INITIALS	CODE
6/10	C	220
"	~~[illegible]~~	700
	Cling	

RE: - Docket No. DMEA - 4723 (Uranium)
S.E. 1/4 of N.W. 1/4 Sec. 25, T. 35 S. - R. 2 W.
Jackson County, Oregon.

Attention: - Mr. Ernest Wm. Ellis, Director
Division of Rare and Miscellaneous Metals.

Dear Mr. Ellis,

With reference to your letter of May 21st. Am herewith enclosing sketch of property as to location of shaft and radio activity readings at present date.

Before opening up the shaft, the reading at that "spot" was 1.52, background .20 - making the reading 1.32 Now since opening shaft the reading however is only .05

Also, before opening shaft, 100 ft. north of shaft the reading was 1.25 - and 150' south of shaft, the reading was 1.25 at that time.

In working my shaft, the shaft has been reduced to the required size, namely, 6'x9' and to a depth of 7½ ft at this time. The body of the shaft is well-bedded, with mineral bearing rocks.

Besides checking with a scintillator, I also checked with a mineralight at night. I found that with the violet shield removed from the mineralight the walls of the shaft, in my estimation appeared to be streaked apple-green - or yellowish green. Likewise, rocks removed from the shaft at 7½' when checked with the ultra light, have the same color.

With the shield on, some of the rocks from

7½ foot level, fluorescence and some [illegible] phosphorescence.

I trust the information being submitted will meet with your approval.

Again thank you for your kindness,

Sincerely yours,

Henry Shaknis

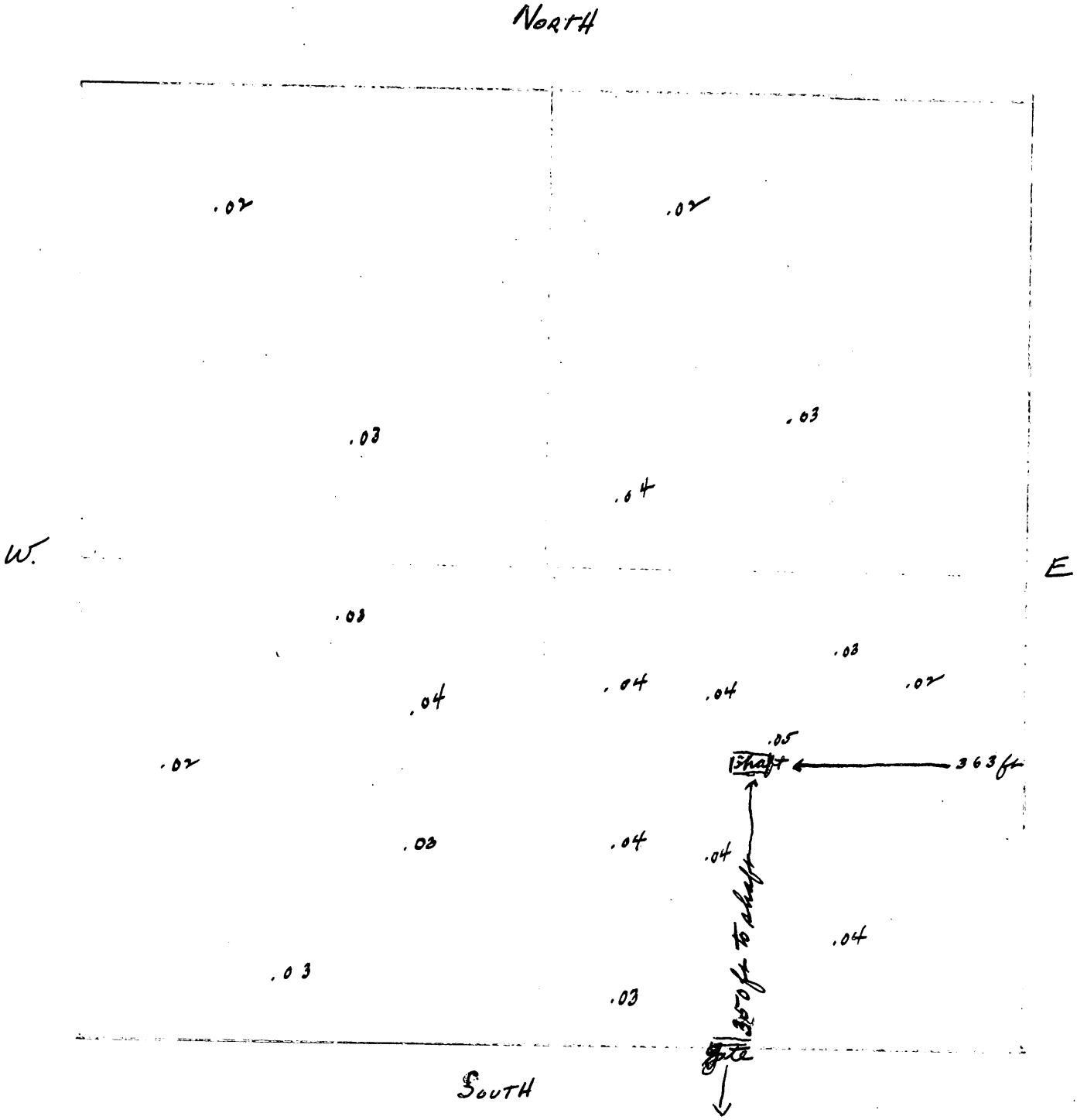
HENRY SHAKNIS
Route 2, Box 471
Gold Hill, Oregon

HENRY and Betty C. SHAKNIS

E ¼ of N.W ¼

40 Acres - Section 25 Twp 35 S. Range 3 West

Jackson County, Oregon



county road fronts property.
Electricity and telephone

HENRY SHAKNIS
Route 2, Box 471
Gold Hill, Oregon

it so the shaft is 6x9 for prospecting.

The formation and strata I have encountered so far are encouraging. However, with a pick and shovel this has been slow going.

Thank you for your patience.

Sincerely yours,

Henry Shakris

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D M E A
RECEIVED MAY 31 1957
DATE | INITIALS | CODE
5/31 | | P30
MPO

No action required
MR.

Henry Shaknis
Route 2 Box 471
Gold Hill, Oregon May 28, 1957

U. S. Department of the Interior
D. M. E. A., Washington, 25, D.C.

Re: Docket No. DMEA-4723
(Uranium)
SE 1/4 NW 1/4 Sec. 25 T. 35 S. - R. 3W.
Jackson Country, Oregon.

Attn: Mr. Ernest Wm. Ellis, Director,
Division of Rare and Miscellaneous
Metals

Dear Mr. Ellis,

Am in receipt of your letter of May 21st relating to the captioned docket.

My application will be submitted very shortly for your approval. The delay being due to the rainy weather and my working to the desired depth in the shaft. Have worked

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
5-21	Ching	700
5-21	Ellis	700
"	Mattesday	100
5/21	C	220
/		700

MAY 21 1957

Mr. Henry Shaknis
Route 2, Box 471
Gold Hill, Oregon

Re: Docket No. DMEA-4723 (Uranium)
SE¼NW¼, sec. 25, T. 35S, R. 3 W.
Jackson County, Oregon

Dear Mr. Shaknis:

Reference is made to our letter dated April 17, 1957, relating to the captioned docket.

Action on your application is pending receipt of the information requested in above-mentioned letter. If you are no longer interested in the processing of this application, please advise us.

Sincerely yours,

SIGNED
Ernest M. Ellis, Director
Division of Rare and
Miscellaneour Metals

MChing/dlm 5-21-57
cc to : Mr. Ching
Admr.'s Reading File
THKiilsgaard, 5224
Region I NW Dist. (2)

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4-17	Hiring	700
4-17	Ellis	700
"	Mullen	100
		700
4-17	C	220

APR 17 1957

Mr. Henry Shaknis
Route 2, Box 471
Gold Hill, Oregon

Re: Docket No. DMEA-4723 (Uranium)
SE¼NW¼, sec. 25, T. 35S, R. 3 W.
Jackson County, Oregon

Dear Mr. Shaknis:

A review of your application under the subject docket number indicates that the information submitted is too incomplete for further processing.

Enclosed is some literature which explains the functions and requirements of the DMEA program. A careful reading of the material will give you an idea as to the information required.

You must first show that your property is worth further investigation by the DMEA. This usually involves the presentation of the following material:

1. A map or sketch, drawn to scale, of the property, showing the area to be included in the application, the area to be excluded, and the location of the shaft and of other areas of high radioactivity; and

2. If there are mineralized exposures, you should take representative samples of the mineral-bearing material, have the samples assayed chemically by a reliable commercial assayer, and submit certified copies of the assay reports to this office. If there are no mineralized exposures from which to take samples and your proposed exploration is based solely on high radioactivity readings, you should submit a complete record of your radiometric survey and relate the readings to the anomalous radioactivity areas shown on the map.

Based upon the information thus far submitted, your property is still in a prospecting stage. The DMEA does not participate in prospecting work and will require evidence that there

C

8623

is a geologic probability of making a significant discovery before an exploration project is considered. Under these circumstances, it may be necessary for you to continue sinking your shaft for your own account until you can prove that there is ore-grade material present on the property. Incidentally, we cannot see any justification for a shaft of such large dimensions as that proposed by you.

We shall hold your application in abeyance pending receipt of the additional information requested.

Sincerely yours,

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

MChing/dlm 4-17-57
cc to: Mr. Ching
Admr.s' Reading File
THKiilsgaard, 5224
Region I NW Dist. (2)

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

April 15, 1957

Mr. Henry Shaknis,
Route 2, Box 471,
Gold Hill, Oregon.

Subject: DMEA 4723
Re: Exploration Assistance

Dear Mr. Shaknis:

Your application for exploration assistance, dated April 8, 1957, submitted to our office at Spokane, Washington, has been assigned Docket Number DMEA 4723 and referred to the Rare & Miscellaneous Metals 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 I-NW.

3571