xxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

RECEIVED
SEP 1 1956

September 6, 1956

Mr. Lee H. Scranton
2114 N. Wycoff
Bremerton, Washington

Re: Docket No. DMEA-4128 (Uranium)
Secs. 21 and 22, T. 36 N., R. 37 E.
Ferry County, Washington

Dear Mr. Scranton:

Thank you for your letter of August 20, 1956. Mr. Fryklund is now working on a different project. We regret that we are not permitted to give you the assays of the samples; all we can say is that they did not, in our opinion, indicate the presence of minable amounts of uranium ore.

I have delayed replying to your letter as the geologist who made the examination has been in the field. He first visited your property on April 4, 1956 and was disappointed by what he could see. However, in fairness to you and the property, he returned for a second inspection on April 9, 1956. It was on the occasion of his second visit that he expressed his feelings regarding the probable outcome of his two inspections. The fact that, in spite of his unfavorable impression following his first visit, he made a second visit in order to give you an opportunity to present more evidence, should indicate our desire to consider each property on its own merits, regardless of any opinion expressed by other geologists or engineers.

If you have done any additional work since April 9, 1956, that you believe might now indicate the presence of a uranium deposit of significant size on your property, you could submit a new application and we would be glad to make another examination.

Sincerely yours,

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

cc: DMEA (2)
USBM (2)
Alvord

RECEIVED
1956

xxxxxxxxxxxxxxxxxx
No. 9, Howard Street
Spokane 4, Washington

September 6, 1956

Mr. Lee H. Scranton
2114 N. Wycoff
Bremerton, Washington

Re: Docket No. DMEA-4128 (Uranium)
Secs. 21 and 22, T. 36 N., R. 37 E.
Ferry County, Washington

Dear Mr. Scranton:

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If you have done any additional work since April 9, 1956, that you believe might now indicate the presence of a uranium deposit of significant size on your property, you could submit a new application and we would be glad to make another examination.

Sincerely yours,

R. E. Weissenborn
Executive Officer, DMEA
Field Team, Region 1, BM District

cc: DMEA (2)
USBM (2)
Alvord

August 20, 1956

RECEIVED

Verne C. Fryklund
So. 157 Howard St
Spokane 4 Washington

Dear Mr. Fryklund:

Several months ago I asked to have a geogolist sent out to look at my property which is situated on Game Department land in Ferry county. and take samples for assaying purposes, also to make maps for your future refrences. Some time later a letter was written me asking for a spefic date when it would be convenient for me to meet this man. A date was made and we met at the Kelber hotel in Kettle Falls Wash.

There had at that time been two other men from your Dept. who had been out to look at the property. one in 1950 another in 1955. When the first engineer came out there was not too much to show him and he made an un-favorable report, but when the second came there was much more to show him, he didnot appear to be too much intrested in much of anything except the formation of the ground and didnot take much intrest in anything I had to show him. Then in April of this year 1956 you sent out another, with the same results.

Meeting the last one in Kettle falls I asked him in for a cup of coffee, which he accepted, but when I went to pay for it he said me I will pay for my own but would like for you to know I dont think there is much of a chance for a fever able report.

This all leads back to the first man who was sent out in 1950. His report was un-favorable and from his records an opinion was formed which was in my opinion an influence to make an un-favorable report by the last two who were sent out to make that survey.

When the last man came out, we went up to the point where the stock pile of ore came from. he asked me to fill up a small sack with samples from that place, which I did. But, from stock which had alBeady been hand picked over and been discarded as not of sufficient quality to be an commericial ore.

I am not complaining upon his ability as a geogolist, I firmly believe the man to be one of the best, but I do complain that his opinion was formed before he had ever seen what I had to offer, and from the previous reports of other geogolist's.

I have been asked to send in a true representave sample, What in your opinion would be one? Samples have been sent in ranging from .02 .16 .54 .74 .100 .212

Samples taken from the last time a man was sent up there were supposed to have been tested and I was assured that a report of that test would be mailed me, but as of to-day I have not received it.

I would like to know your personal opinion on this and thank you for all the trouble which I seem to have caused, but untill my convictions are satisfied I will always believe that I have been a victum of one geogolist making a report diffrent from the previous one.

Thank You.

Sincerly Yours

Lee H. Scranton
2114 N. Wycoff
Bremerton Wash.

August 20, 1956 dack
WW

RECEIVED

Verne C. Fryklund
So. 157 Howard St
Spokane 4 Washington

Schroeder
USBM (x) 8/22
Dmea (x)

Dear Mr. Fryklund:

Several months ago I asked to have a geogolist sent out to look at my property which is situated on Game Department land in Ferry county. and take samples for assaying purposes, also to make maps for your future refrences. Some time later a letter was written me asking for a spefic date when it would be convenient for me to meet this man. A date was made and we met at the Keller hotel in Kettle Falls Wash.

There had at that time been two other men from your Dept. who had been out to look at the property. one in 1950 another in 1955. When the first engineer came out there was not too much to show him and he made an un-favorable report, but when the second came there was much more to show him, he didnot appear to be too much intrested in much of anything except the formation of the ground and didnot take much intrest in anything I had to show him. Then in April of this year 1956 you sent out another, with the same results.

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I would like to know your personal opinion on this and thank you for all the trouble which I seem to have caused, but untill my convictions are satisfied I will always believe that I have been a victum of one geogolist making a report diffrent from the previous one.

Thank You.

Sincerly Yours

Lee H. Scranton
2114 N. Wycoff
Bremerton Wash.

700

FILE COPY

Surname:

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

MAY 23 1956

Mr. Lee H. Scranton
2114 North Wycoff
Bremerton, Washington

Re: Docket No. DMEA-4128 (Uranium)
Secs. 21-22, T. 36 N., R. 37 E.
Ferry County, Washington

Dear Mr. Scranton:

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 to us 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 Program and for bringing your property to our attention.

Sincerely yours,

G. O. Mittendorf

Administrator

MChing/izm 5-22-56
cc to: Docket
Code 700
Mr. Ching
Admr.'s Reading File
Operating Committee
DMEA Field Team, Region I (NW District) ~~(2)~~ (2)
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

Summary of Proposed Project

May 22, 1956

Object: Denial of application for an exploration project.

Docket No.: DMEA-4128

Commodity: Uranium

Applicant: Lee H. Scranton, 2114 N. Wycoff, Bremerton, Washington

Property: Sec. 21 and that part of sec. 22 lying westerly of the Kettle Falls Inchelon road, T. 36 N., R. 37 E., W. B. & M., Ferry County, Washington. Applicant, through an agreement with the Department of Game, State of Washington, has the right to explore for one year and, under certain conditions, to mine for 10 years from date of agreement. This date not given.

Date of Application: January 9, 1956

Amount of Application: $10,095.00

Work Proposed: Test, by bulldozer trenching and core drilling, a radioactive vein running through the property.

Estimated Costs:

Equipment purchases	$7,000.00
Expenses for labor and supervision	2,520.00
Repairs, supplies, etc.	575.00

Estimated Total Cost $10,095.00

Government Participation @ 75% ..... $ 7,571.25

Field Team Report; April 25, 1956, D. C. Alvord, USGS:
April 27, 1956, A.E.Weissenborn, USGS & W. G. Agnew, USBM:

The property is underlain by amphibole schist that is locally intruded by gneissic granodiorite and by pegmatitic dikes. Abnormally radioactive material is distributed erratically within the pegmatitic dikes. Selected samples from the two best showings on the property assayed 0.012 and 0.122 percent U_3O_8, respectively. A grab sample from a stockpile considered by the Applicant to be ore, assayed only 0.035 percent U_3O_8. As the radioactive occurrences are small and discontinuous and as careful selective sampling failed to show the presence of commercial grade material, a denial of the application is recommended.

Commodity Group Comments:

USBM, John E. Crawford, May 10, 1956:

Discussed the report of examination with the AEC representative. Concurs in the recommendation for denial.

USGS, N. E. Nelson, May 17, 1956:

The examiner found no place warranting exploratory work. Concurs in the recommendation that the application be denied.

Rare & Miscellaneous Metals Division, Michael Ching, May 22, 1956:

On the basis of the available information, the subject property has very little merit. The Applicant's proposed program was rather incomplete. He apparently was depending on the sale of ore on hand to meet his share of the cost, but a grab sample of such ore by the field examiner assayed only .035 percent U_3O_8. Mr. E. E. Thurlow, of the Salt Lake office of the AEC, believes that Government assistance in an exploration program on the property is not warranted.

Conclusions and Recommendations:

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

F. L. Knouse

F. L. Knouse, Acting Chief
Rare and Miscellaneous
Metals Division

5-18-56

IN REPLY REFER TO:

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

RECEIVED
MAY 18 1956

May 17, 1956

Re: DMEA 4128
Lee H. Scranton
Ferry Uranium Mines
Ferry County, Washington
$10,005.00 - Uranium

Memorandum

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

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

Subject: Review of Field report.

The applicant requested assistance in exploring by bulldozing and dry hole drilling a large area which he believed to be underlain by uranium-bearing material. In support of the application he claimed he had uncovered 16 tons of "good commercial ore," samples of which showed "0.10, 0.16, 0.212 and 0.74." It was assumed percentages of uranium were implied but the application did not say so.

The examiner selected a sample which assayed 0.122% U_3O_8, but a sample from the stockpile assayed only 0.035% U_3O_8. The radioactivity is associated with pegmatite dikes and at two places unusual radioactivity was noted, but no radioactive minerals were recognized. The flat to low dip pegmatite dikes or sills as uncovered present large, nearly flat surfaces and the applicant proposed drilling two such exposures. The examiner found no place warranting work and concludes that the exploratory work roughly outlined is not justified.

I concur with the recommendation of the Field Team that the application be denied.

N. E. Nelson

N. E. Nelson

IN REPLY REFER TO:

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

RECEIVED
MAY 18 1956

May 17, 1956

Re: DMEA 4128
Lee E. Scranton
Perry Uranium Mines
Perry County, Washington
$10,005.00 - Uranium

Memorandum

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

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

Subject: Review of Field report.

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The examiner selected a sample which assayed 0.122% U_3O_8, but a sample from the stockpile assayed only 0.035% U_3O_8. The radioactivity is associated with pegmatite dikes and at two places unusual radioactivity was noted, but no radioactive minerals were recognized. The flat to low dip pegmatite dikes or sills as uncovered present large, nearly flat surfaces and the applicant proposed drilling two such exposures. The examiner found no place warranting work and concluded that the exploratory work roughly outlined is not justified.

I concur with the recommendation of the Field Team that the application be denied.

N. E. Nelson

N. E. Nelson

NENelson:jeh
5/17/56
cc: Director's reading 4212
Branch reading 4212
DMEA (3)
Docket file
J.E.Crawford, 3541 Int.
J.O.Kosted, 3210 GMA

IN REPLY REFER TO:

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

RECEIVED
MAY 18 1956

May 17, 1956

Re: DMEA 4128
Lee M. Scranton
Ferry Uranium Mines
Ferry County, Washington
$10,005.00 - Uranium

Memorandum

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

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

Subject: Review of Field report.

The applicant requested assistance in exploring by bulldozing and dry hole drilling a large area which he believed to be underlain by uranium-bearing material. In support of the application he claimed he had uncovered 16 tons of "good commercial ore," samples of which showed "0.10, 0.16, 0.812 and 0.74." It was assumed percentages of uranium were implied but the application did not say so.

The examiner selected a sample which assayed 0.12% U_3O_8, but a sample from the stockpile assayed only 0.035% U_3O_8. The radioactivity is associated with pegmatite dikes and at two places unusual radioactivity was noted, but no radioactive minerals were recognized. The flat to low dip pegmatite dikes or sills as uncovered present large, nearly flat surfaces and the applicant proposed drilling two such exposures. The examiner found no place warranting work and concludes that the exploratory work roughly outlined is not justified.

I concur with the recommendation of the Field Team that the application be denied.

N. E. Nelson

N. E. Nelson

NENelson:jeh
5/17/56
cc: Director's reading 4212
Branch reading 4212
DMEA (3)
Docket file
J.E.Crawford, 3641 Int.
J.O.Rested, 3210 GSA

IN REPLY REFER TO:

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

RECEIVED
MAY 18 1956

May 17, 1956

Re: DMEA 4123
Lee M. Scranton
Ferry Uranium Mines
Ferry County, Washington
$10,005.00 - Uranium

Memorandum

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

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

Subject: Review of Field report.

The applicant requested assistance in exploring by bulldozing and dry hole drilling a large area which he believed to be underlain by uranium-bearing material. In support of the application he claimed he had uncovered 15 tons of "good commercial ore," samples of which showed "0.10, 0.16, 0.212 and 0.74." It was assumed percentages of uranium were implied but the application did not say so.

The examiner selected a sample which assayed 0.122% U_3O_8, but a sample from the stockpile assayed only 0.035% U_3O_8. The radioactivity is associated with pegmatite dikes and at two places unusual radioactivity was noted, but no radioactive minerals were recognized. The flat to low dip pegmatite dikes or sills as uncovered present large, nearly flat surfaces and the applicant proposed drilling two such exposures. The examiner found no place warranting work and concludes that the exploratory work roughly outlined is not justified.

I concur with the recommendation of the Field Team that the application be denied.

N. E. Nelson

N. E. Nelson

NENelson:jsh
5/17/56
cc: Director's reading 4212
Branch reading 4212
DMEA (3)
Docket file
J.E.Crawford, 3541 Int.
J.O.Rosted, 3210 GSA

5-11-56

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

RECEIVED
MAY 11 1956

May 10, 1956

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

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

Subject: Report of Examination, DMEA Docket 4128, Lee Harold Scranton, Secs. 21 and 22, T. 36 N., R. 37 E., Ferry County, Washington

I have reviewed the report of examination, DMEA Docket 4128, Lee Harold Scranton, Secs. 21 and 22, T. 36 N., R. 37 E., Ferry County, Washington, dated April 27, and received in this office May 7, 1956. I have also discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The field examiners found that the property is underlain by amphibole schist that is locally intruded by pegmatitic dikes which contain some abnormally radioactive material. A grab sample from a stockpile considered by the applicant to be ore, assayed only 0.035 percent U_3O_8.

Inasmuch as the radioactive occurrences are too small and discontinuous for mining and sampling failed to show the presence of commercial-grade material, the field examiners recommend that the application be denied.

We concur in the recommendation.

John E. Crawford
John E. Crawford

RECEIVED
MAY 11 1956

May 10, 1956

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

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

Subject: Report of Examination, DMEA Docket 4128, Lee Harold Scranton, Secs. 21 and 22, T. 36 N., R. 37 E., Ferry County, Washington

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Inasmuch as the radioactive occurrences are too small and discontinuous for mining and sampling failed to show the presence of commercial-grade material, the field examiners recommend that the application be denied.

We concur in the recommendation.

John E. Crawford

5/8/56

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

April 27, 1956

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

Re: Docket No. DMEA-4128 (Uranium)
Lee Harold Scranton
Secs. 21 and 22, T. 36 N., R. 37 E.
Ferry County, Washington

Dear Mr. Selfridge:

Enclosed are 4 copies of a memorandum by D. C. Alvord, Geological Survey, recommending denial of an application by L. H. Scranton.

The applicant desires to explore weakly and erratically radioactive pegmatite rock. Only a very small volume of low-grade material was observed at the property. We agree that the application be denied.

E. E. Thurlow, in charge of the Salt Lake office of the Raw Materials Division of the AEC, is in agreement. In a letter dated March 21, 1956 (copies enclosed) he states, "* * * it appears that Government assistance in an exploration program on this property is not warranted."

By Field Team, Region I, NW Dist.

Reviewed by
DMEA OPERATING COMMITTEE
5-7-56
(date)

A. E. Weissenborn
A. E. Weissenborn, Exec. Officer
U. S. Geological Survey

Wing G. Agnew, Member
U. S. Bureau of Mines

Enclosures

cc: USBM (2)
Alvord
AEC, Salt Lake City
AEC, Spokane

RECEIVED
MAY 3 - 1956

(3)

UNITED STATES
ATOMIC ENERGY COMMISSION
DIVISION OF RAW MATERIALS
Salt Lake Exploration Branch

ADDRESS REPLY TO:
U. S. Atomic Energy Commission
P. O. Box 2190
Salt Lake City, Utah
AND REFER TO:

SLEB:EET:af

March 21, 1956

Mr. A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW Dist.
South 157 Howard Street
Spokane, Washington

Re: Docket DMEA -4128 (Uranium)
Lee Harold Scranton
Secs. 21, 22, T 36 N, R 37 E
Ferry County, Washington

DMEA

Dear Al:

The property described in the above-mentioned docket has been examined by AEC geologists (see PRR W-16 dated 10-22-52). It was revisited last summer by Dick Maise of our Spokane office in company with Mr. Scranton, but no supplemental report was submitted. On neither visit was any substantial quantity of ore observed, nor were possibilities for development of reserves considered likely. At the time of the last visit the diggings inspected had apparently been mined out at a depth of five to eight feet below the surface.

A small amount of ore has been stockpiled from one or two locations on the property, possibly 10 to 20 tons at the most, which might run about 0.20%. Secondary uranium minerals, uranophane and autunite, were identified.

The rock in the area is a coarse quartz-feldspar pegmatite containing some garnet, biotite, and muscovite. It is closely associated with, or part of, a border facies of the Chelan batholith and is in intrusive contact with Orient gneiss. The vein mentioned by Scranton in his application is probably a stringer of Orient gneiss in the pegmatite.

Reviewed by
DMEA OPERATING COMMITTEE
5-7-56
(date)

RECEIVED
MAR 23 1956
U. S. A. E. C.
SPOKANE, WASH.

RECEIVED
MAY 3 - 1956

On the basis of these examinations it appears that government assistance in an exploration program on this property is not warranted.

Thank you for the opportunity of reviewing the application.

Very truly yours,

Ernest E. Thurlow, Chief
Salt Lake Exploration Branch
Division of Raw Materials

cc: Donald L. Hetland, AEC, Spokane

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

April 25, 1956

MEMORANDUM

Reviewed by
DMEA OPERATING COMMITTEE
5-7-56
(date)

To: DMEA Field Team, Region I, Northwest District

From: D. C. Alvord, Geologist, U. S. Geological Survey

Subject: Field Examination Report, Docket No. DMEA-4128 (Uranium), L. H. Scranton, secs. 21 and 22, T. 36 N., R. 37 E., Ferry County, Washington

INTRODUCTION

The property was examined on April 4, 1956 with E. W. Parsons, Mining Engineer, U. S. Bureau of Mines. The information obtained during this examination indicated that the application should be denied, but in fairness to the applicant the property was again visited on April 9 in company with L. H. Scranton and his son, R. G. Scranton.

Summary

The property is underlain by amphibole schist that is locally intruded by gneissic granodiorite and by pegmatitic dikes. Abnormally radioactive material is distributed erratically within the pegmatitic dikes. Selected samples from the two best showings on the property assayed 0.012 and 0.122 percent U_3O_8, respectively. A grab sample from a stockpile considered by the applicant to be ore, assayed only 0.035 percent U_3O_8.

Recommendations

As the radioactive occurrences are too small and discontinuous for mining, and as careful, selective sampling failed to show the presence of commercial grade material (0.20 percent U_3O_8), a denial of the application is recommended.

APPLICANT

RECEIVED
MAY 3 - 1956

Lee Harold Scranton
2114 North Wycoff
Bremerton, Washington

Mr. Scranton has been prospecting intermittently since 1950 but he is otherwise inexperienced in mining. Mr. Scranton apparently would not be able to meet his share of the cost in a Government-supported program.

LOCATION

The Scranton Lease is in the Kettle Falls mining district, within the State of Washington Sherman Creek Game Range, and consists of secs. 21 and 22, T. 36 N., R. 37 E., W.M., Ferry County, Washington. It may be reached from Kettle Falls by proceeding on U. S. Highway 395 west about 3.5 miles across the Columbia River, thence on State Highway 3P (Inchelium-Republic road) south 1.3 miles to the north boundary line of section 22 (fig. 1).

Property Rights

The applicant has an exploration and mining lease with the State of Washington, Department of Game. The lease is for a period of ten years, beginning November 1, 1955, but it may be terminated at the option of the Game Department at the end of the first 12 months of effect, should exploration during this period indicate the presence of less than 60,000 tons of uranium-bearing ore.

Description of the Property

The property is bordered on the east by the Columbia River (Franklin D. Roosevelt Lake) and extends westward 2 miles up into the foothills of the Kettle River Range. From an altitude of about 3,400 feet at the northwest corner of section 21, the terrain slopes gently southeastward to about 1,300 feet at the banks of the Columbia River. Locally the terrain is precipitous. Glacial and fluvial sands and gravels cover much of the property but bedrock is well exposed along and on top of most of the ridges and knolls. In many places, where exposed, the bedrock has been polished and grooved by glacial action, the grooves trending southward.

Annual precipitation ranges between 16 and 20 inches, most of which falls during the winter months. The summers are hot and dry. Most of section 21 is covered with open forest and some underbrush whereas much of the lower part of the property (section 22) includes open meadowlands.

Most parts of the property may be reached from State Highway 3P and poorly maintained truck trails. The only working on the property is in section 21 and consists of a small 10-foot by 15-foot open cut about 4 feet deep.

History and Production

Unusual radioactivity was first detected in the Sherman Creek Game Range in section 22 by Mr. Scranton during a hunting trip in October 1951. At this time Mr. Scranton took samples from a "vein" exposed along State Highway 3P (fig. 1, Road Cut "Vein") in the hope

that it would contain lead or silver. The samples were subsequently shown to be radioactive but lacking in base metals. Since his discovery Mr. Scranton has revisited the area several times but did no development work until October 1955. At this time he broke out 16 tons of "ore" from the Scab Cut (figs. 1 and 2) and further exposed a "vein" in the SW¼ sec. 22. Mr. Scranton stockpiled about 6 tons of his "ore" on the east side of the highway by the Road Cut "Vein" and also dumped about 10 tons behind a deep freeze locker and meat market in Kettle Falls.

Literature

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The applicant cut a chip sample from the most radioactive portions of the cut that assayed 0.122 U_3O_8 and 0.11 eU_3O_8. A grab sample of the ore taken from this cut (stockpile near the Road Cut "Vein") ran only 0.035 U_3O_8 and 0.045 eU_3O_8.

APPLICANT'S PROPOSAL

The applicant proposes drilling and dozer work to explore uranium-bearing pegmatitic dikes at depth and to expose their near-surface tracings.

Conclusions

The uranium occurrences are too small and too low grade for mining. Even if an ore potential was attributable to the property, the applicant apparently could not meet his share of costs in a Government-supported program.

Attachments 2

Distribution:

DMEA (4)	**AEC, Salt Lake**
USBM (2)	**Docket**
USGS(SRO)	**Alvord**

Docket No. DMEA 4128

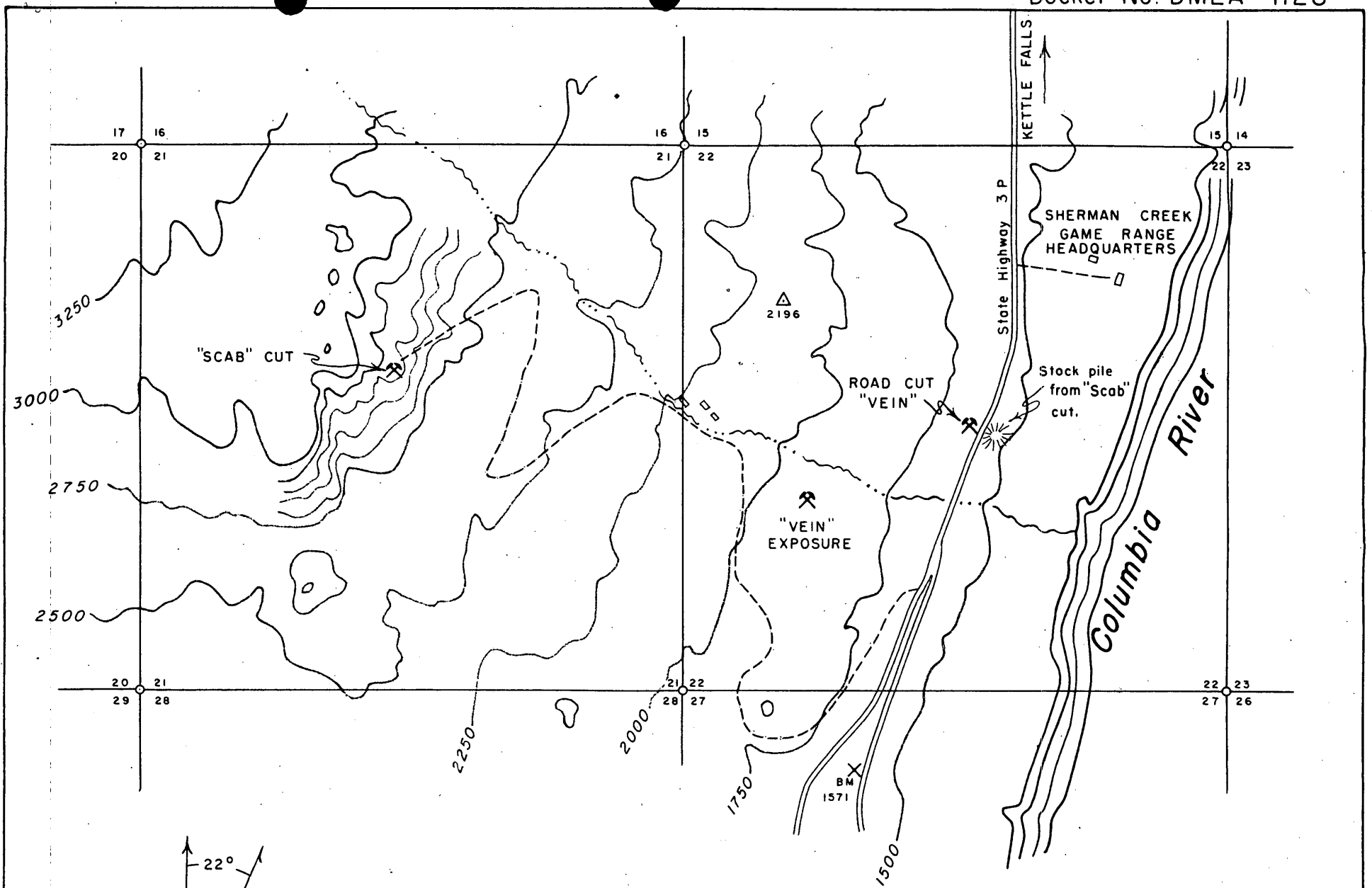

FIGURE 1, SCRANTON LEASE
SHERMAN CREEK GAME RANGE
Ferry County, Washington
Sec. 21 and 22, T. 36 N., R. 37 E., W. M.

DATUM MEAN SEA LEVEL
Scale 1" = 1320'

5-4-56

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

~~RECEIVED~~
~~MAY 1 3 1956~~

April 27, 1956

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

Re: Docket No. DMEA-4128 (Uranium)
Lee Harold Surenton
Secs. 21 and 22, T. 36 N., R. 37 E.
Ferry County, Washington

Dear Mr. Selfridge:

Enclosed are 4 copies of a memorandum by D. C. Alvord, Geological Survey, recommending denial of an application by L. H. Surenton.

The applicant desires to explore weakly and erratically radioactive pegmatite rock. Only a very small volume of low-grade material was observed at the property. We agree that the application be denied.

E. E. Thurlow, in charge of the Salt Lake office of the Raw Materials Division of the AEC, is in agreement. In a letter dated March 21, 1956 (copies enclosed) he states, "* * * it appears that Government assistance in an exploration program on this property is not warranted."

By Field Team, Region I, NW Dist.

Reviewed by
DMEA OPERATING COMMITTEE
5-7-56
(date)

A. E. Weissenborn, Exec. Officer
U. S. Geological Survey

Wing G. Agnew, Member
U. S. Bureau of Mines

Enclosures

cc: USGS (2)
Alvord
AEC, Salt Lake City
AEC, Spokane

RECEIVED
MAY 3 - 1956

UNITED STATES
ATOMIC ENERGY COMMISSION
DIVISION OF RAW MATERIALS
Salt Lake Exploration Branch

ADDRESS REPLY TO:
U. S. Atomic Energy Commission
P. O. Box 2550
Salt Lake City, Utah
AND REFER TO:

SLEB:EET:af

March 21, 1956

Mr. A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW Dist.
South 157 Howard Street
Spokane, Washington

Re: Docket DMEA -4128 (Uranium)
Lee Harold Scranton
Secs. 21, 22, T 36 N, R 37 E
Ferry County, Washington

Dear Al:

The property described in the above-mentioned docket has been examined by AEC geologists (see PRR W-16 dated 10-22-52). It was revisited last summer by Dick Maise of our Spokane office in company with Mr. Scranton, but no supplemental report was submitted. On neither visit was any substantial quantity of ore observed, nor were possibilities for development of reserves considered likely. At the time of the last visit the diggings inspected had apparently been mined out at a depth of five to eight feet below the surface.

A small amount of ore has been stockpiled from one or two locations on the property, possibly 10 to 20 tons at the most, which might run about 0.20%. Secondary uranium minerals, uranophane and autunite, were identified.

The rock in the area is a coarse quartz-feldspar pegmatite containing some garnet, biotite, and muscovite. It is closely associated with, or part of, a border facies of the Chelan batholith and is in intrusive contact with Orient gneiss. The vein mentioned by Scranton in his application is probably a stringer of Orient gneiss in the pegmatite.

RECEIVED
MAR 23 1956
U.S.G.S.
SPOKANE, WASH.

Reviewed by
DMEA OPERATING COMMITTEE
5-7-56
(date)

On the basis of these examinations it appears that government assistance in an exploration program on this property is not warranted.

Thank you for the opportunity of reviewing the application.

Very truly yours,

Ernest E. Thurlow, Chief
Salt Lake Exploration Branch
Division of Raw Materials

cc: Donald L. Hetland, AEC, Spokane

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

April 25, 1956

MEMORANDUM

Reviewed by
DMEA OPERATING COMMITTEE
5-7-56
(date)

To: DMEA Field Team, Region I, Northwest District

From: D. C. Alvord, Geologist, U. S. Geological Survey

Subject: Field Examination Report, Docket No. DMEA-4128 (Uranium)
L. H. Scranton, secs. 21 and 22, T. 36 N., R. 37 E.,
Ferry County, Washington

INTRODUCTION

The property was examined on April 4, 1956 with E. W. Parsons, Mining Engineer, U. S. Bureau of Mines. The information obtained during this examination indicated that the application should be denied, but in fairness to the applicant the property was again visited on April 9 in company with L. H. Scranton and his son, R. G. Scranton.

Summary

The property is underlain by amphibole schist that is locally intruded by gneissic granodiorite and by pegmatitic dikes. Abnormally radioactive material is distributed erratically within the pegmatitic dikes. Selected samples from the two best showings on the property assayed 0.012 and 0.122 percent U_3O_8, respectively. A grab sample from a stockpile considered by the applicant to be ore, assayed only 0.035 percent U_3O_8.

Recommendations

As the radioactive occurrences are too small and discontinuous for mining, and as careful, selective sampling failed to show the presence of commercial grade material (0.20 percent U_3O_8), a denial of the application is recommended.

APPLICANT

Lee Harold Scranton
2114 North Wycoff
Bremerton, Washington

RECEIVED
MAY 3 - 1956

Mr. Scranton has been prospecting intermittently since 1950 but he is otherwise inexperienced in mining. Mr. Scranton apparently would not be able to meet his share of the cost in a Government-supported program.

LOCATION

The Scranton Lease is in the Kettle Falls mining district, within the State of Washington Sherman Creek Game Range, and consists of secs. 21 and 22, T. 36 N., R. 37 E., W.M., Ferry County, Washington. It may be reached from Kettle Falls by proceeding on U. S. Highway 395 west about 3.5 miles across the Columbia River, thence on State Highway 3P (Inchelium-Republic road) south 1.3 miles to the north boundary line of section 22 (fig. 1).

Property Rights

The applicant has an exploration and mining lease with the State of Washington, Department of Game. The lease is for a period of ten years, beginning November 1, 1955, but it may be terminated at the option of the Game Department at the end of the first 12 months of effect, should exploration during this period indicate the presence of less than 60,000 tons of uranium-bearing ore.

Description of the Property

The property is bordered on the east by the Columbia River (Franklin D. Roosevelt Lake) and extends westward 2 miles up into the foothills of the Kettle River Range. From an altitude of about 3,400 feet at the northwest corner of section 21, the terrain slopes gently southeastward to about 1,300 feet at the banks of the Columbia River. Locally the terrain is precipitous. Glacial and fluvial sands and gravels cover much of the property but bedrock is well exposed along and on top of most of the ridges and knolls. In many places, where exposed, the bedrock has been polished and grooved by glacial action, the grooves trending southward.

Annual precipitation ranges between 16 and 20 inches, most of which falls during the winter months. The summers are hot and dry. Most of section 21 is covered with open forest and some underbrush whereas much of the lower part of the property (section 22) includes open meadowlands.

Most parts of the property may be reached from State Highway 3P and poorly maintained truck trails. The only working on the property is in section 21 and consists of a small 10-foot by 15-foot open cut about 4 feet deep.

History and Production

Unusual radioactivity was first detected in the Sherman Creek Game Range in section 22 by Mr. Scranton during a hunting trip in October 1951. At this time Mr. Scranton took samples from a "vein" exposed along State Highway 3P (fig. 1, Road Cut "Vein") in the hope

that it would contain lead or silver. The samples were subsequently shown to be radioactive but lacking in base metals. Since his discovery Mr. Scranton has revisited the area several times but did no development work until October 1955. At this time he broke out 16 tons of "ore" from the Scab Cut (figs. 1 and 2) and further exposed a "vein" in the SW¼ sec. 22. Mr. Scranton stockpiled about 6 tons of his "ore" on the east side of the highway by the Road Cut "Vein" and also dumped about 10 tons behind a deep freeze locker and meat market in Kettle Falls.

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Attachments 2

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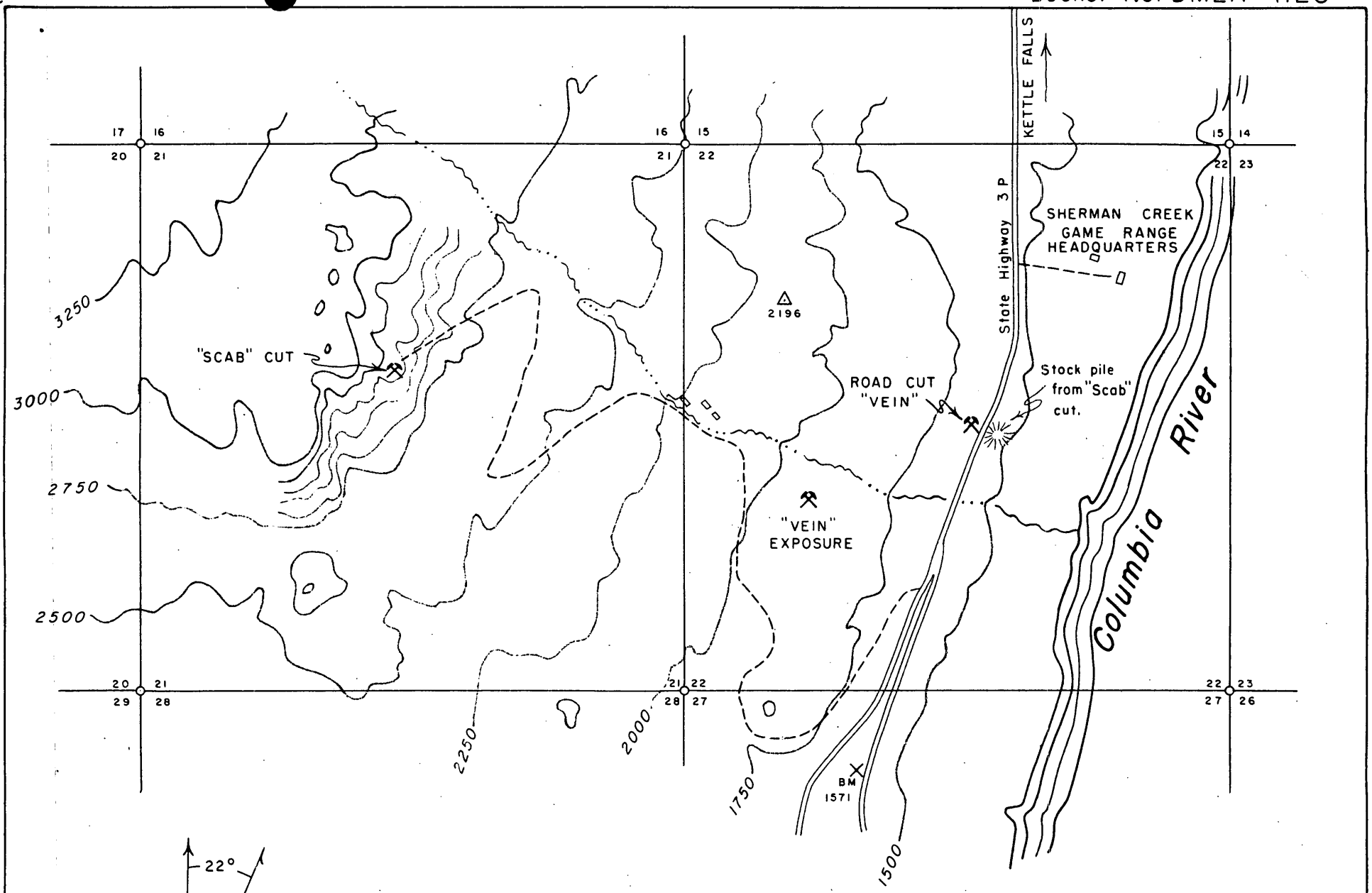
DMEA (4)	AEC, Salt Lake
USBM (2)	Docket
USGS(SRO)	Alvord



22°

DATUM MEAN SEA LEVEL
Scale 1" = 1320'

FIGURE 1, SCRANTON LEASE
SHERMAN CREEK GAME RANGE
Ferry County, Washington
Sec. 21 and 22, T. 36 N., R. 37 E., W. M.

2/17/56 lgm

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

RECEIVED
FEB 17 1956

February 13, 1956

Ernest E. Thurlow, Chief
Salt Lake Expl. Branch
Div. of Raw Materials
U. S. Atomic Energy Commission
P. O. Box 2196
Salt Lake City, Utah

Re: Docket No. DMEA -4125 (Uranium)
Northwest Uranium Mines, Inc.
SW¼ Sec. 35, T. 28 N., R. 37 E.,
Stevens County, Washington
and
Docket No. DMEA -4128 (Uranium)
Lee H. Scranton
Secs. 21-22, T. 36 N., R. 37 E.,
Ferry County, Washington

Dear Ernie:

Enclosed are two applications for DMEA assistance to explore for uranium.

We would appreciate receiving any comment you might have relative to the programs proposed by each.

We will have to examine both of these properties but of course the snow cover precludes an examination in the near future.

Sincerely yours,

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

Enclosures

cc: DMEA (4)
USBM (2)
Kellum
Alvord

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON, D.C.~~
No. 157 Howard Street
Spokane 4, Washington

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Executive Officer, DMEA
Field Team, Region I, NW Dist.

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Alvord

2-14-56 cfm

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

So. 157 Howard Street
Spokane 4, Washington

RECEIVED
FEB 13 1956

February 9, 1956

Mr. Lee M. Scranton
2114 N. Wyncoff
Bremerton, Washington

Re: Docket No. DMEA-4128 (Uranium)
Secs. 21-22, T. 36 N., R. 37 E.,
Ferry County, Washington

Dear Mr. Scranton:

Thank you for your letter of February 6.

I think the snow cover should be less than it is now before we try an examination. We may be able to make an examination, weather permitting, toward the end of the month. We will notify you in advance.

Sincerely yours,

Verne C. Fryklund, Jr.
for: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW Dist.

cc: DMEA (2)
USBM (2)
Alvord

C O P Y

RECEIVED
FEB 13 1956

February 6, 1956

Re: DOCKET No. DMEA-4128 (Uranium)
Secs. 21-22, T. 36 N., R. 37 E.,
Ferry County, Washington

Dear Mr. Fryklund:

In reply to your letter of January 31, 1956. I do not believe it possible at this time of the year to go in on the above mentioned property and make the survey you mentioned. The snow is exceptionally deep this year and since a map of the entire 1200 acres would have to be made I do not believe it could be done to your satisfaction.

However the state Hi-way goes directly through the eastern end of it and it is there that our first detection of Uranium was found, The samples we sent in from there was not of a commercial grade, but the vein is well exposed and can be seen readily from the Hi-way.

This vein is the one we wish to explore, it goes the entire length of the property, East to West, and I believe it will become richer as it goes to a higher level.

I only have seven months from the 1st of April to complete my survey and wish to co-operate with you in any way possible.

There is about ten or eleven ton of very good ore stock-piled beside the Hi-way at this same point, which I moved from the eastern part of the property to enable me to ship, if and when I received my license, I have that license now #P-2879.

If a person believes the old adage that if there is smoke there is fire, there is sure to be a very likely deposit somewhere on that acreage.

Would you please advise me as to when it would be feasible for your engineers to make this survey.

Sincerely yours,

/s/

Lee H. Scranton
2114 North Wycoff
Bremerton, Washington

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

RECEIVED
FEB 13 1956

So. 157 Howard Street
Spokane 4, Washington

February 9, 1956

Mr. Lee H. Burnston
2114 N. Wycoff
Bremerton, Washington

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Executive Officer, DMEA
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cc: DMEA (2)
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Bremerton, Washington

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
Sc. 157 Howard Street
Spokane 4, Washington

RECEIVED
FEB - 3 1956

January 31, 1956

Mr. Lee H. Scranton
2114 N. Wyceff
Bremerton, Washington

Re: Docket No. DMEA-4128 (Uranium)
Secs. 21-22, T. 36 N., R. 37 E.,
Ferry County, Washington

Dear Mr. Scranton:

We have been asked to make an examination of your property in connection with your DMEA application. Will you please inform us when the property will be accessible for mapping and sampling.

Sincerely yours,

Verne C. Fryklund, Jr.
for: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW Dist.

cc: DMEA (2)
USBM (2)
Alvord

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D.C.
So. 157 Howard Street
Spokane 4, Washington

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Executive Officer, DMEA
Field Team, Region I, NW Dist.

cc: DMEA (2)
USBM (2)
Alvord

Surname copy

700

Ching
Selfridge
Weissenborn

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

JAN 26 1956

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

Re: Docket No. DMEA-4128 (Uranium)
Lee E. Scranton
Secs. 21-22, T. 36 N., R. 37 E.,
Ferry County, Washington

Dear Mr. Weissenborn:

The subject application is being referred to you for investigation, a field examination if warranted, and recommendation. A copy of the application was forwarded to you on January 17.

Enclosed are two copies each of memoranda, dated January 19 and 20, 1956, from N. E. Nelson, USGS, and John E. Crawford, USBM, respectively.

The application is rather incomplete, but it is from the type of applicant from whom the desired information can best be secured through direct contact. If he has mined 16 tons of commercial-grade ore from the property, it may warrant a field examination.

Your attention is called to the following deficiencies or weaknesses in the application:

1. The agreement with the Department of Game, State of Washington, is not a conformed copy and bears no date.

2. The Department of Game, State of Washington, may, at its option, terminate the agreement if, after a 12-month exploratory period, less than 60,000 tons of ore reserves are indicated.

3. The Applicant appears to be in no position to finance the work initially, and is depending on the sale of ore on hand, which may be of doubtful value, to meet his share of the cost.

R.C.L.

It is presumed that an Owner's Consent to Lien would not be obtainable from the State of Washington. In the event a contract is recommended, the Applicant should be advised that we usually require a Performance Bond or third-party guarantee in lieu of an Owner's Consent to Lien in such cases.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JHB)

Enclosures

APPROVED:

/s/ Robert W. Geehan (JHB)
Member, Bureau of Mines

Thor H. Kiilsgaard (JHB)
Member, Geological Survey

MChing/gla
1-24-56
cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700
Mr. Ching

Surname copy

700

Ching
Ellis
Gehan
Kilsgaard
Selfridge
Johnson

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

JAN 26 1956

Mr. Lee H. Scranton
211½ N. Wyckoff
Bremerton, Washington

Re: Docket No. DMEA-4128 (Uranium)
Secs. 21-22, T. 36 N., R. 37 E.,
Ferry County, Washington

Dear Mr. Scranton:

The application for assistance in exploring the subject property in Ferry County, Washington, 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 the Executive Officer of Region I at the following address:

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

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

The following documents, attached to your application, are being returned herewith in accordance with your request:

1. Letter dated November 10, 1955, from Charles A. Razor, of the AEC, to you.

2. Letter dated November 15, 1955, from Ernest E. Thurlow, of the AEC, to you.

3. Report of Radioactive Analysis, dated October 26, 1955.

Sincerely yours,

C. O. Hummel (for)

Administrator

MChing/gla 1-24-56
cc to: Admr.'s Reading File
Docket
Code 700
Mr. Ching
DMEA Field Team, Region I, NW District (2)

Enclosures

R.C.G.

1/20/56 gla

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

RECEIVED
JAN 20 1956

January 20, 1956

Memorandum

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

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

Subject: Application for assistance, DMEA Docket 4128, Lee H. Scranton, Sherman Creek Game Refuge, Ferry County, Washington

I have reviewed the attached application of Lee H. Scranton, DMEA Docket 4128, dated January 9 and received in this office January 17. I have also discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The applicant has requested Federal assistance in exploring for uranium on two sections located in the Sherman Creek Game Refuge in Ferry County, Washington. A definite exploration plan has not been indicated and the applicant proposes to buy a drill and a bulldozer and do his own work. The estimated cost of the project is $10,095.

Sixteen tons of ore have been uncovered on subject property, but no evidence was presented as to the type and grade of ore.

Perhaps the Field Team has information regarding the area and the subject property; therefore, referral to the field is recommended. It is suggested that the Field Team consult with E. E. Thurlow, Atomic Energy Commission, Salt Lake City.

John E Crawford
John E. Crawford

Attachment

1-20-56 ofm

IN REPLY REFER TO:

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

RECEIVED
JAN 20 1956

January 19, 1956

Re: DMEA 4128
Lee H. Scranton
Ferry Co. Uranium Mines
Ferry County, Washington
$10,095.00 - Uranium

Memorandum

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

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

Subject: Review of application.

The applicant requests assistance in exploring something over a section of land under lease from the Game Department of Washington, by bulldozing and drilling 3/4 inch dry holes.

The applicant claims he has uncovered about 16 tons of material samples of which show 0.16, 0.74, 0.10 and 0.212 percent uranium. No other definitive data, such as vein widths, are furnished and no drilling layout is given. The overburden is said to be 2 to 4 feet thick, but the vein is said to be from 20 to 40 feet below the overburden.

In general, the application makes little sense, but the applicant may have found uranium-bearing material of some sort. An interview might obviate an examination.

Referral to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

January 17, 1956
Subject: DMEA-4128
Re: Exploration Assistance
Ferry County Uranium Mine

Mr. Lee H. Scranton
2114 N. Wycoff
Bremerton, Washington

My dear Mr. Scranton:

The receipt of your application dated January 9, 1956, for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4128 and referred to the Rare & Misc. Metals Division.

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

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
JAN 16 1956

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. DMEA-4128
Metal or Mineral Uranium
Date Received 1-16-56
Estimated Cost $10,095.00
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Leigh Harold Scranton
2114 N Wycoff
Bremerton
Washington

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Sections 21-22 - T 36N, R 37E EWM except about 40 acres lying between Hi-Way and Columbia River in Ferry County

(*b*) State any mine name by which the property is known. Ferry County uranium mine

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

(*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

(*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

(*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 (4) (C)

(*c*) The work will start within 10 days and be completed within 7 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.). none

(*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. none

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

(*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. see (6) estimate of Costs

(*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 except normal breakdowns in future

(*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. none

(*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. Through sale of ore now on hand

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 January 9, 1956

Lee H Scranton
(Applicant)

By Lee H Scranton

2114 N. Wycoff

Bremerton Washington

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

Lee.H. Scranton
2114 N. Wycoff
Bremerton, Wash.

RECEIVED
JAN 16 1956

Lease as received from the Dept. of Game, State of Washington

(2D) Whereas, the state of Washington, Department of Game does own as part of the Sherman Creek Game Range, Section 21 and that part of section 22 lying westerly of the Kettle Falls Inchelem road in township 36 north, range 37 east of the willamette meridian in Ferry county, Washington, and does have control of mineral rights ther con. and whereas, Lee H. Scranton was the first person to notify the State of Washington detartment of game of the apparent presence of uranium bearing ore on these properties, and whereas it is the desire of both parties to explore and if feasible to develope such ore deposits without causing undue damage to the primary value of these lands for Game managment purposes, Therefore, the State of Washington department of game, hereinafter refered to as the department, acting under the authority of R.C.W. Section 77. 12. 210 and Lee H. Scranton, do hereby freely and voluntary enter into the following agreement to provide for an orderly exploration of the above describ ed lands to determine the size and quality of any uranium bearing ore deposits thereon, and for the removal and sale of such deposits during a period of ten years, begining with the date of acceptance of this agreement by the director of game, subject to the following listed terms and conditions.

(1) During the twelve month period begining with the effective date of this aggeement, Lee H. Scranton shall have the exclusive rights to and shall cause to be made a detailed and systematic survey of the lands herein described to determine the size and quality of any uranium bearing ore deposits, This survey shall exclude:
(A) A grid survey of the surface area of said lands with a radioactive detection instrument on a spacing of not less than-------- feet. The amount of feet has been left blank.
(B) Test drilling in any area which have a surface reading on such radioactive detection instrument of more than three times the background count reading for the area being surveyed.
(C) The making of excavations or trenches with a bulldozer or trenching equiptment to facilitate the exploitation wherever it is deemed necessary and advisable.

(2) During the exploration period mentioned in paragraph 1 above. Lee H. Scranton shall have the exclusive right to remove from the above described property any uranium bearing ore and sell the same,remitting to the department of game any payments and reports herein-after required; provided that the xxxxxxk prior to the removal of any uranium bearing ore, Lee H. Scranton shall secure from the Atomic Energy Commission the necessary permits and licences for the removal of such ore.

(3) At the end of the twelve month period mentioned in paragraph 1 above, or at any ti time prior thereto that such exploration is completed, Lee H, Scranton shall furnish to the department of game a copy of all data and indermation gained during the course of exploration, including a map of the land explored, showing instrument readings location of any test drillings, and a report of analsys of any core samples taken, and a report of the findings of any trench explorations.

(4) If at any time during the above mentioned twelve month period, the data gained as a result of the exploration progress indicates the presence of 60,000 ton or more of uranium bearing ore on the above described lands, after the department shall have reviewed the data furnished to judge the accuracy of the determination of the ore deposits, Lee H. Scranton shall have the exclusive rights to continue the removal and sale of uranium ore for the remainder of the ten year period. However on the other hand, if at the end of the above mentioned twelve month period, the data gained as the result of the exploration program indicates the presence of less than 60,000 ton of uranium bearing ore on the above described lands, this agreement may be terminated by the game department at its option.

(5) During the effective period of this agreement, Lee H. Scranton shall have the right to free entry to travel over the above described lands; Provided however, that he shall keep the gxxxx resident game keeper advised as to the times he is present and working on the project, and provided also that any licensee of the department shall have the right of free entry to travel over the desvribed lands.

(6) Lee H. Scranton shall have the right to construct any and all roads necessary for the transportation of equipment during the effective period of this agreement; Provided, however that before any road work is undertaken, he shall go over the proposed road location with the resident game keeper and gain his approval of such road location in writing. And provided further, that any such road or roads shall be non exclusive and may be used by licensees of the department. bu t any commericial users licensed by the department shall co-ordinate their use of said road or roads with Lee. H. Scranton.

(7) Lee H. Scranton shall par or reimburse the department of the state of Washington for any expenses or damages incurred as a result of any operation under this agreement.

(8) In the event that in the aggregate more that five acres are damaged or disturbed during the period of exploration with the exception of road construction work, Lee H. Scranton shall reimburse the department $100.00 per. acre or any fraction thereof for such damaged acreage in excess of five (5) acres to compensate for such damage resulting from such exploration.

(9) If Lee. H. Scranton shall fail to conduct such orderly search and exploration during the twelve month period a s outlined in paragraph 1 above, he shall at the end of such period lose all right and intrest in and to any uranium deposits on the said lands or any right for further prospecting, exploration, or removal of the same.

(10) If at any time after the commencment of removal and sale of uranium ore. Lee H. Scranton shall fail to pay to the department a minnium of $3,000.00 per year either through royalty payments or payments in lieu of royalty, or should the exploration or removal and sale of any uranium ore by L.. H. Scranton cease for six (6) months this agreement shall become null and void.

(11) Lee. H. Scranton shall have the right to use the timber found on the above described lands for the operations mentioned herein and for no other purpose; provided however, that he may remove and sell the timber cut as a result of these operations, but he shall remitte the department the full sale value if such timber, and provided further, that any timber removed and not used be Lee H. Scranton shall remain the property of the department.

(12) Lee H. Scranton shall have the right to contract with others to carry on the op operations provided for under this agreement and shall have the right to assign his rights under this agreement, and such others shall be bound by the terms of this agreement in the same respect as Lee. H. Scranton.

(13) If the department wishes to renew this agreement upon its expiration, Lee H. Scranton or his assignees shall have first option of such renewal.

(14) The department shall receive the following percentages of any payments for uranium bearing ore based on dry ton mine values and a similiar percentage of any permit or royalty payments received by Lee. H. Scranton or his assignees; payments shall be sent to the department at its Seattle address after every shipment, accompanied by slips or statements from who ever receives the ore shipment showing the quality, quanity and price paid for the ore.

$0	to	$19--per-ton	4%
$20	to	$29	6%
$30	to	$39	8%
$40	to	$49	10%
$50	to	$59	12%
$60	to	$69	14%
$70	to	$79	16%
$80	to	$89	18%
$90 Plus			20%

(15) The department shall, in addition to the payments set forth in paragraph 14 above, receive six (6) percent of any other minerals sold from the subject property; however no other minerals shall be removed from said property unless it is impossible to separate such minerals from the uranium ore.

Signed by John Bigge Director

Sanctioned by the att. Gen office/.

Lee H. Scranton
2114 N. Wycoff
Bremerton, Washington.

(4) (A) We have been drilling and blasting in some of the most likely spots and have uncovered about sixteen ton of good commericial ore, which have assayed at the bureau of mines at Salt Lake City and At Albany Oregon the following; .16 .74 .100 and one we sent to the north west uranium mines in Wallace Idaho gave the uranium content of.212 . We had other samples tested at the Washington testing laboratories in Spokane, more for their mineral content than for uranium and am enclosing a copy of its return. The contents are varied, but there are positive indications of there being quite an amount to be uncovered if finiancial aid is obtained. the whole twelve hundred hundred acres have been gone over with a geiger counter and indications show that there must be enormous quanites to be found by drilling. The structure of the earth and a promising vein which by the way is radioactive show that the ore is there. But where it is exposed not in quanities sufficient to be commericial grade. that is the reason I want ot expolre further, to determine if the vein gets hotter further away from the river, the ore we have is about a mile and a quarter west of where the vein is exposed and I firmly believe it to be connected in some way or another.

All the work that has been done so far has been done by my son and myself. We have rented the necessary equipment with the exception of a truck to carry on the exploration so far but that is a very expensive proceedure, with everything going out and nothing coming in.

The property is only seven miles from a raiboad. A paved Hi-way, for four mi. and from there what used to be an old logging grade, now converted into a passable road leads to within one half mile of the place we have been working. there are no obstacles in the way of transportaiion and supply. We have been over the entire route with both the truck and the jeep. hauled our compressor in and the ore out.

(B) We have removed to a lower level about sixteen ton which I had hoped to get shipped before the snow came but at that time I had no license. I have it now. The number is P2879 About the last of march or the first of April I will be able to move it and in that way from its proceeds minus the royalty payments I will be able to furnish a percentage of the costs and equipment myself.

(C) See attached copy

(D) There is a paved Hi-way for four miles, from there it consists of an old logging grade which has been converted into a passable road. for the next half mile it is over fields and onto another logging grade, but is accesable as we have been over it a number of times with both the jeep and the truck. It is about seven miles to the nearest shipping point, which would also be the place of residence and supply. which would be Kettle Falls Washington.

(E) Everything needed in this paragraph would be available at any time.

(5) (B) I propose to start drilling at the highest level where indications are the best a and gradually work down to the place where the vein has been exposed. this vein runs the entire length of the property and is from twenty to fourty feet beneath the overburden. it is not and expensive venture when you consider the amount of drilling which has to be done on most of these exploration projects. The overburden is from two to four feet thick in most of the places and much time and expense can be saved by doing some trench work with the bull-dozer. I do not expect at the time to be sinking any shafts or tunnels untill the test drilling and exploration work is completed. however if ore is found in sufficient quanities to warrant mining along with the exploration we will begin that too. At which time you will be consulted and your opinion will govern that part of it.

(D) I have been doing this kind of prospecting since 1950. I know what I am looking for and how to go about looking for it. I know how to drill and blast and how to test drill. How to prepare my samples and how to be economical in my operations. The project will be supervised by myself.

Lee H. Scranton
2114 N. Wycoff
Bremerton, Washington.

(6) ESTIMATE OF COSTS

There is a new type drill which is cheap and practical for this kind of work. I have seen it work at the halliday mine in Nevada in rock similiar to which we are working and it goes down six feet in three minutes. It has a depth of two hundred feet and does not require water as it works on the same system as the common vaccum cleaner. All the dust is brought to the surface and deposited in a glass jug which can be tested at any depth desired. The cost of this machine with carboroid drill is about $3,600 In event a diamond drill would be more practical the cost would exceed that price a little. This machine will also take care of any drilling you might have to do in sinking a shaft or driving a tunnell. The compressor and its burdensome jack hammer and burley gun are no longer a necessity. The hole is three quarters of an inch in size which is plenty big to accomidate blasting powder.

You can pick up a used bull dozer in good repair for about $3,000 suitable for road building and trench work.

Gasoline and oil	$325.00
Drills	$400.00
Repairs and normal breakage	$250.00
Living Expenses for two people	$2,520.00
Core drill	$3,600.00
Bull Dozer	6$3,000.00
	$10,095.00

1 International Truck owned by myself Value $700.00

I will need a loan of ten thousand dollars, from the sale of ore on hand the few dollars I have left I will be able to carry on this program to its completion.

PHONE
R 1611

Washington Testing Laboratories, Inc.

N. 118 BROWNE SPOKANE 1, WASHINGTON

Date: 10-24-55

Lab. No. 1124

Report to: L.H. Scranton

Report on: Samples submitted

Sample identification: No. 2

Tests performed and results: QUALITATIVE SPECTROGRAPHIC ANALYSIS

by: Norman S. Bhacca, chemist

.01% or Less	.01% to 1%	1% to 5%	5% to 30%	Over 30%
Bismuth	Chromium	Calcium	Aluminum	Silicon
Cobalt	copper	Sodium	Iron	
Nickel	Lead			
Silver	Magnesium			
Tin	Manganese			
Vanadium	Molybdenum			
Zinn	Potassium			
	Titanium			

US
AEC
Division of Raw Materials
Salt Lake Exploration Branch

Address reply to:

U.S. Atomic Energy Commission
P.O. Box 2196
Salt Lake City, Utah

and refer to
SLEB:vh

November 15, 1955

Mr. Lee Scranton
2114 N. Wycoff
Bremerton, Wash.

Dear Mr. Scranton

We have received a copy of the radioactive sample report furnished you by Mr. H. D. Hess, U. S. Bureau of Mines, dated September 16, 1955.

The sample which was analyzed for you is of interest to the Atomic Energy Commission, and we would appreciate receiving further information regarding the location of the property from which the sample was taken and the approximate tonnage that it might represent. Enclosed for your convenience in supplying this information is our Form 95 and a self-addressed franked envelope which requires no postage.

We will be glad to answer any questions concerning the raw materials program.

Very truly yours,

/s/s Ernest E. Thurlow,

Ernest E. Thurlow, Chief
Salt Lake Exploration Branch
Division of Raw Materials

Enclosure
1. Form 95 w/envelope

cc: DRM, Washington

COPY

U. S. A. E. C.
Div. of Raw Materials
Salt Lake Exploration Branch

Address reply to:

U. S. Atomic Energy Commission
Spokane Project Office
P. O. Box 1805
Spokane, Washington

October 26, 1955

and refer to: SLEB;DLH:mn

REPORT ON RADIOACTIVE ANALYSIS

Sample submitted by: Mr. Scranton
Keller Hotel
Kettle Falls, Wash.

Date: Oct. 17, 1955

Name of property:
Sec. 21 and 22
T. 36 N., R. 37 E.

Percent Uranium Oxide	
(radiometric)	(chemical)
	0.100

Sample number: 143

Uranium minerals identified:

Remarks:

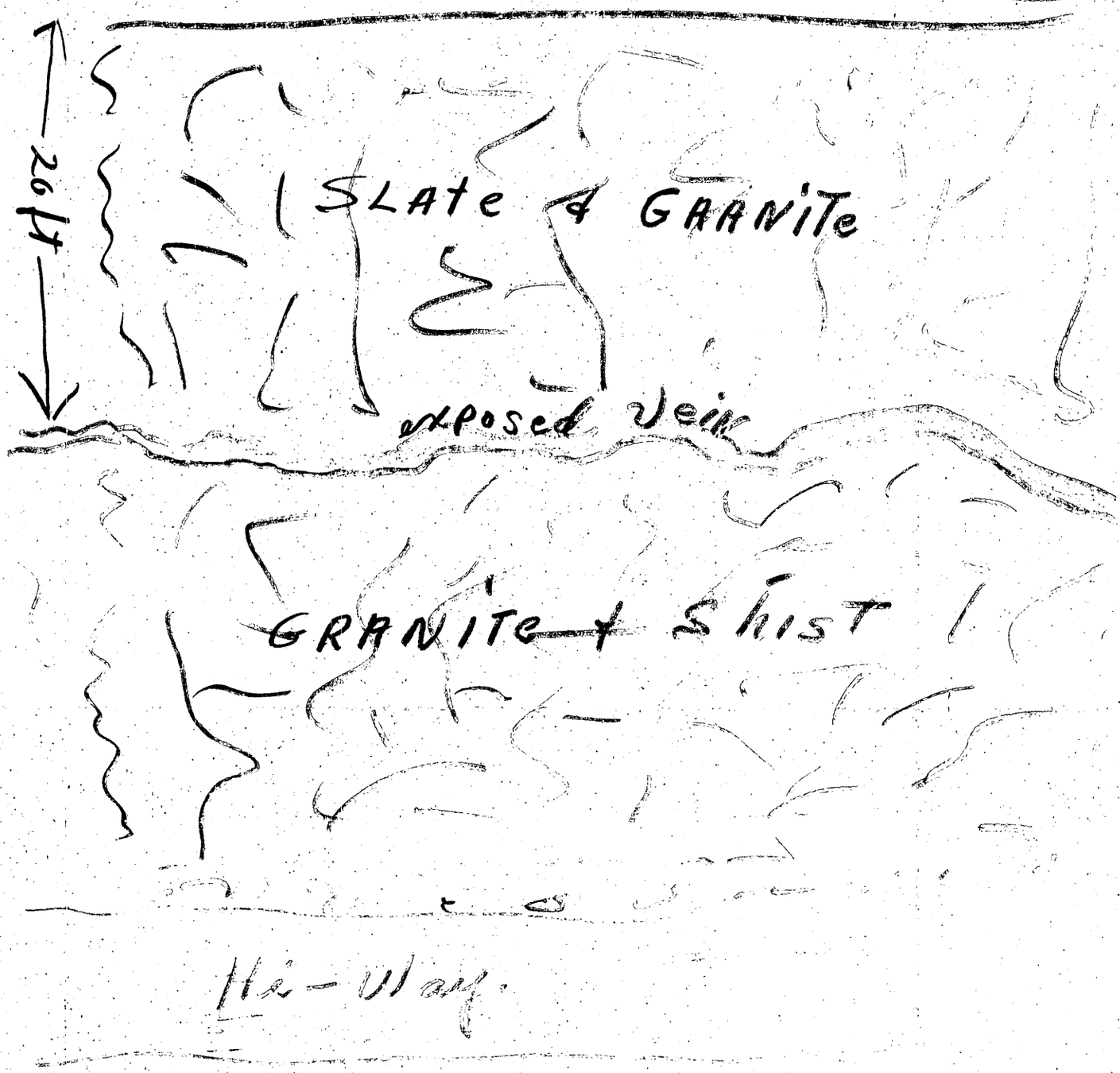
Very truly yours,

/s/ Donald L. Hetland

Donald L. Hetland
Project Geologist
Northwest District

C O P Y

(C)



Begining at the Hi-way which is about ninety Feet above the Columbia River there is a gradual slope, which goes directly west for about a mile and three quarters to a height of approximately 2,000 feet. That is the place where the hottest of our samples were obtained. (on the surface) there is a distinct count at the exposed vein through which the Hi-way has been cut. and shows that the vein will continue to run at app. the same depth throughout the two sections I have leased. The vein is deffinately of the same structure as the ore we have already mined, which is velds spar and quartz Caused by a volcanic action. There is a good show here and throughout the lease for test drilling and I am sure the ~~fa~~ higher we go the better the count will be.

F-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
JAN 16 1956

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. DMEA-4128
Metal or Mineral Uranium
Date Received 1-16-56
Estimated Cost $10,095.00
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Leigh Harold Scranton
2114 N. Wycoff
Bremerton Washington

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Sections 21-22- T36- R37-EWM except about 40 acres lying between Hi-way and Columbia River in Ferry County Washington

(*b*) State any mine name by which the property is known. Ferry County Uranium Mines

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

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

(*e*) If you own the land, describe any liens or encumbrances on it

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

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being ducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such rations. 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 ons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part t) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each her 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 s.

(*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

(*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 (4) (c)

(*c*) The work will start within 10 days and be completed within 7 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.). none

(*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. none

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

(*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. see (6) estimate of costs

(*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 except normal breakdowns in future

(*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. none

(*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. through sale of ore now on hand

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 January 9, 1956

Lu H Scanton
(Applicant)

By Lu H Scanton

2114 N. Wycoff

Bremerton Washington

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

Lee H. Scranton
2114 N. Wycoff
Bremerton, Washington.

(6) ESTIMATE OF COSTS

There is a new type drill which is cheap and practical for this kind of work. I have seen it work at the halliday mine in Nevada in rock similiar to which we are working and it goes down six feet in three minutes. It has a depth of two hundred feet and does not require water as it works on the same system as the common vaccum cleaner. All the dust is brought to the surface and deposited in a glass jug which can be tested at any depth desired. The cost of this machine with carboreid drill is about $3,600 In event a diamond drill would be more practical the cost would exceed that price a little. This machine will also take care of any drilling you might have to do in sinking a shaft or driving a tunnell. The compressor and its burdensome jack hammer and burley gun are no longer a necessity. The hole is three quarters of an inch in size which is plenty big to accomidate blasting powder.

You can pick up a used bull dozer in good repair for about $3,000 suitable for road building and trench work.

Gasoline and oil	$325.00
Drills	$400.00
Repairs and normal breakage	$250.00
Living Expenses for two people	$2,520.00
Core drill	$3,600.00
Bull Dozer	$3,000.00
	$10,095.00

1 International Truck owned by myself Value $700.00

I will need a loan of ten thousand dollars, from the sale of ore on hand the few dollars I have left I will be able to carry on this program to its completion.

Lee.HH.SScranton
2114 N. Wycoff
Bremerton, Wash.

RECEIVED
JAN 16 1958

Lease as received grom the Dept. of Game, State of Washington.

(2D) Whereas, the state of Washington, Department of Game does own as part of the Sherman Creek Game Range, Section 21 and that part of section 22 lying westerly of the Kettle Falls Inchelen road in township 36 north, range 37 east of the willamette meridian in Ferry county, Washington, and does have control of mineral rights thereon. and whereas, Lee H. Scranton was the first person to notify the State of Washington detartment of game of the apparent presence of uranium bearing ore on these properties, and whereas it is the desire of both parties to explore and if feasible to develope such ore deposits without causing undue damage to the primary value of these lands for Game managment purposes, Therefore, the State of Washington department of game, hereinafter refered to as the department, acting under the autherity of R.C.W. Section 77. 12. 210 and Lee H. Scranton, do hereby freely and voluntary enter into the following agreement to provide for an orderly exploration of the above described lands to determine the size and quality of any uranium bearing ore deposits thereon, and for the removal and sale of such deposits during a period of ten years, begining with the date of acceptance of this agreement by the director of game, subject to the following listed terms and conditions.

(1) During the twelve month period begining with the effective date of this aggeement, Lee H. Scranton shall have the exclusive rights to and shall cause to be made a detailed and systematic survey of the lands herein described to determine the size and quality of any uranium bearing ore deposits, This survey shall enclude:
(A) A grid survey of the surface area of said lands with a radioactive detection instrument on a spacing of not less than-------- feet. The amount of feet has been left blank.
(B) Test drilling in any area which have a surface reading on such radioactive detection instrument of more than three times the background count reading for the area being surveyed.
(C) The making of excavations or trenches with a bulldozer or trenching equiptment to facilitate the explotation whereever it is deemed necessary and advisable.

(2) During the exploration period mentioned in paragraph 1 above. Lee H. Scranton shall have the exclusive right to remove from the above described property any uranium bearing ore and sell the same,remitting to the department of game any payments and reports herein-after required; provided that the xxxxxxx prior to the removal of any uranium bearing ore, Lee H. Scranton shall secure from the Atomic Energy Commission the necessary permits and licences for the removal of such ore.

(3) At the end of the twelve month period mentioned in paragraph 1 above, or at any ti time prior thereto that such exploration is completed, Lee H, Scranton shall furnish to the department of game a copy of all data and indormation gained during the course of exploration, including a map of the land explored, showing instrument readings location of any test drillings, and a feport of analsys of any core samples taken, and a report of the findings of any trench explorations.

(4) If at any time during the above mentioned twelve month period, the data gained as a result of the exploration progress indicates the presence of 60,000 ton or more of uranium bearing ore on the above described lands, after the department shall have reviewed the data furnished to judge the accuracy of the determination of the ore deposits, Lee H. Scranton shall have the exclusive rights to continue the removal and sale of uranium ore for the remainder of the ten year period. However on the other hand, if at the end of the above mentioned twelve month period, the data gained as the result of the exploration program indicates the presence of less than 60,000 ton of uranium bearing ore on the above described lands, this agreement may be terminated by the game department at its option.

(5) During the effective period of this agreement, Lee H. Scranton shall have the right to free entry to travel over the above described lands; Provided however, that he shall keep the xxxx resident game keeper advised as to the times he is present and working on the project, and provided also that any licensee of the department shall have the right of free entry to travel over the desvribed lands.

(6) Lee H. Scranton shall have the right to construct any and all roads necessary for the transportation of equipment during the effective period of this agreement; Provided, however that before any road work is undertaken, he shall go over the proposed road location with the resident game keeper and gain his approval of such road location in writing. And provided further, that any such road or roads shall be non exclusive and may be used by licensees of the department. bu t any commericial users licensed by the department shall co-ordinate their use of said road or roads with Lee. H. Scranton.

(7) Lee H, Scranton shall par or reimburse the department of the state of Washington for any expenses or damages incurred as a result of any operation under this agreement.

(8) In the event that in the aggregate more that five acres are damaged or disturbed during the period of exploration with the exception of road construction work, Lee H. Scranton shall reimburse the department $100.00 per. acre or any fraction thereof for such damaged acreage in excess of five (5) acres to compensate for such damage resulting from such exploration.

(9) If Lee. H. Scranton shall fail to conduct such orderly search and exploration during the twelve month period a s outlined in paragraph 1 above, he shall at the end of such period lose all right and intrest in and to any uranium deposits on the said lands or any right for further prospecting, exploration, or removal of the same.

(10) If at any time after the commencment of removal and sale of uranium ore. Lee H, Scranton shall fail to pay to the department a minnium of $3,000.00 per year either through royalty payments or payments in lieu of royalty, or should the exploration or removal and sale of any uranium ore by L.. H. Scranton cease for six (6) months this agreement shall become null and void.

(11) Lee. H. Scranton shall have the right to use the timber found on the above described lands for the operations mentioned herein and for no other purpose; provided however, that he may remove and sell the timber cut as a result of these operations, but he shall remitto the department the full sale value if such timber, and provided further, that any timber removed and not used be Lee H. Scrantón shall remain the property of the department.

(12) Lee H. Scranton shall have the right to contract with others to carry on the operations provided for under this agreement and shall have the right to assign his rights under this agreement, and such others shall be bound by the terms of this agreement in the same respect as Lee. H. Scranton.

(13) If the department wishes to renew this agreement upon its expiration, Lee H. Scranton or his assignees shall have first option of such renewal.

(14) The department shall receive the following percentages of any payments for uranium bearing ore based on dry ton mine values and a similiar percentage of any permit or royalty payments received by Lee. H. Scranton or his assignees; payments shall be sent to the department at its Seattle address after every shipment, accompanied by slips or statements from who ever receives the ore shipment showing thee quality, quanity and price paid for the ore.

$0 to $19--per-ton-------4%
$20 to $29----------6%
$30 to $39----------8%
$40 to $49----------10%
$50 to $59----------12%
$60 to $69----------14%
$70 to $79----------16%
$80 to $89----------18%
$90 Plus----------20%

(15) The department shall, in addition to the payments set forth in paragraph 14 above, receive six (6) percent of any other minerals sold from the subject property; however no other minerals shall be removed from said property unless it is impossible to separate such minerals from the uranium ore.

Signed by joh Biggs Director
Sanctioned by the att. Gen office/.

Begining at the Hi-way which is about ninety Feet above the Columbia River there is a gradual slope, which goes directly west for about a mile and three quarters to a height of approximately 2,000 feet. That is the place where the hottest of our samples were obtained. (on the surface) there is a distinct count at the exposed vein through which the Hi-way has been cut. and shows that the vein will continue to run at app. the same depth throughout the two sections I have leased. The vein is deffinately of the same structure as the ore we have already mined, which is velds spar and quartz caused by a volcanic action. There is a good show here and throughout the lease for test drilling and I am sure the ~~fm~~ higher we go the better the count will be.

Lee H. Scranton
2114 N. Wycoff
Bremerton, Washington.

(4) (A) We have been drilling and blasting in some of the most likely spots and have uncovered about sixteen ton of good commericial ore, which have assayed at the bureau of mines at Salt Lake City and At Albany Oregon the following; .16 .74 .100 and one we sent to the north west uranium mines in Wallace Idaho gave the uranium content of.212 . We had other samples tested at the Washington testing laboratories in Spokane, more for their mineral content than for uranium and am enclosing a copy of its return. The contents are varied, but there are positive indications of there being quite an amount to be uncovered if finiancial aid is obtained. the whole twelve hundred acres have been gone over with a geiger counter and indications show that there must be enormous quanites to be found by drilling. The structure of the earth and a promising vein which by the way is radioactive show that the ore is there. But where it is exposed not in quanities sufficient to be commericial grade. that is the reason I want ot expolre further, to determine if the vein gets better further away from the river, the ore we have is about a mile and a quarter west of where the vein is exposed and I firmly believe it to be connected in some way or another.

All the work that has been done so far has been done by my son and myself. We have rented the necessary equipment with the exception of a truck to carry on the exploration so far but that is a very expensive proceedure, with everything going out and nothing coming in.

The property is only seven miles from a railroad. A paved Hi-way, for four mi. and from there what used to be an old logging grade, now converted into a passable road leads to within one half mile of the place we have been working. there are no obstacles in the way of transportaiion and supply. We have been over the entire route with both the truck and the jeep. hauled our compressor in and the ore out.

(B) We have removed to a lower level about sixteen ton which I had hoped to get shipped before the snow came but at that time I had no license. I have it now. The number is P2879 About the last of march or the first of April I will be able to move it and in that way from its proceeds minus the royalty payments I will be able to furnish a percentage of the costs and equipment myself.

(C) See attached copy

(D) There is a paved Hi-way for four miles, from there it consists of an old logging grade which has been converted into a passable road. for the next half mile it is over fields and onto another logging grade, but is accesable as we have been over it a number of times with both the jeep and the truck. It is about seven miles to the nearest shipping point, which would also be the place of residence and supply. which would be Kettle Falls Washington.

(E) Everything needed in this paragraph would be available at any time.

(5) (B) I propose to start drilling at the highest level where indications are the and gradually work down to the place where the vein has been exposed. this vein runs the entire length of the property and is from twenty to fourty feet beneath the overburden. it is not and expensive venture when you consider the amount of drilling which has to be done on most of these exploration projects. The overburden is from two to four feet thick in most of the places and much time and expense can be saved by doing some trench work with the bull-dozer. I do not expect at the time to be sinking any shafts or tunnels untill the test drilling and exploration work is completed. however if ore is found in sufficient quanities to warrant mining along with the exploration we will begin that too. At which time you will be consulted and your opinion will govern that part of it.

(D) I have been doing this kind of prospecting since 1950. I know what I am looking for and how to go about looking for it. I know how to drill and blast and how to test drill. How to prepare my samples and how to be economical in my operations. The project will be supervised by myself.

US
AEC
Grand Junction Operations Office
Grand Junction, Colorado

Refer to: MD:CAR

November 10, 1955

Note: This request has been granted. I received my license Dec. 20 - 55 # P2879

Mr. Lee H. Scranton
2114 N. Wycoff
Bremerton, Washington

Dear Mr. Scranton:

In compliance with your request concerning an AEC license to ship uranium source material, enclosed are three copies of Form AEC-2. Complete this form and forward two copies to the Atomic Energy Commission, Division of Civilian Application, Washington 25, D. C. The third copy is for your files.

Please note that the recently-enacted Atomic Energy Act of 1954 (Section 182) provides that "all applications and statements shall be signed by the applicant or licensee under oath or affirmation".

Also enclosed is a copy of the Code of Federal Regulations Title 10 - Atomic Energy, which deals with the control of source material.

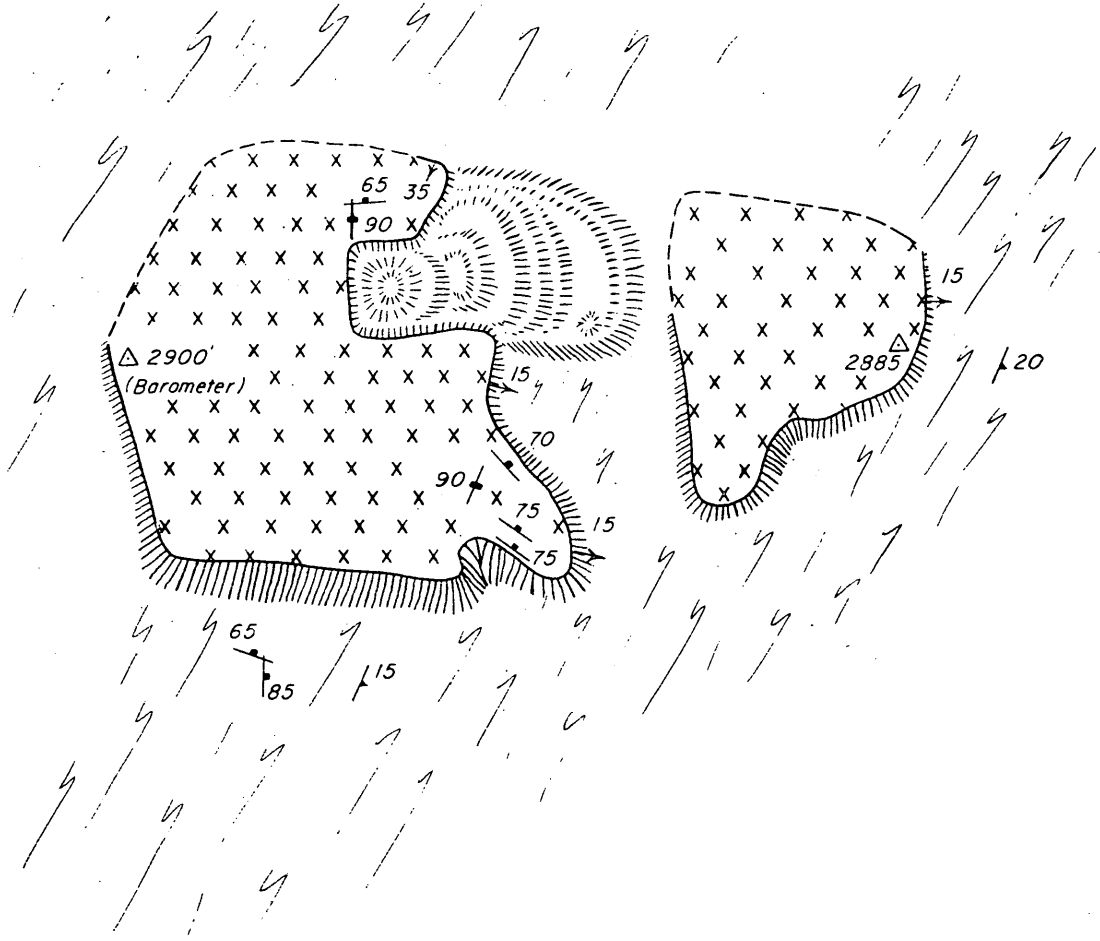
Very truly yours,

/s/ Charles A. Rasor

Charles A. Rasor, Chief
Ore Procurement Branch
Mining Division

Enclosures
AEC-2 (3)
Title 10

C O P Y



EXPLANATION

Amphibole schist

Pegmatite

Soil

15

Contact showing dip
(dashed where inferred)

15

Strike and dip of foliation

75

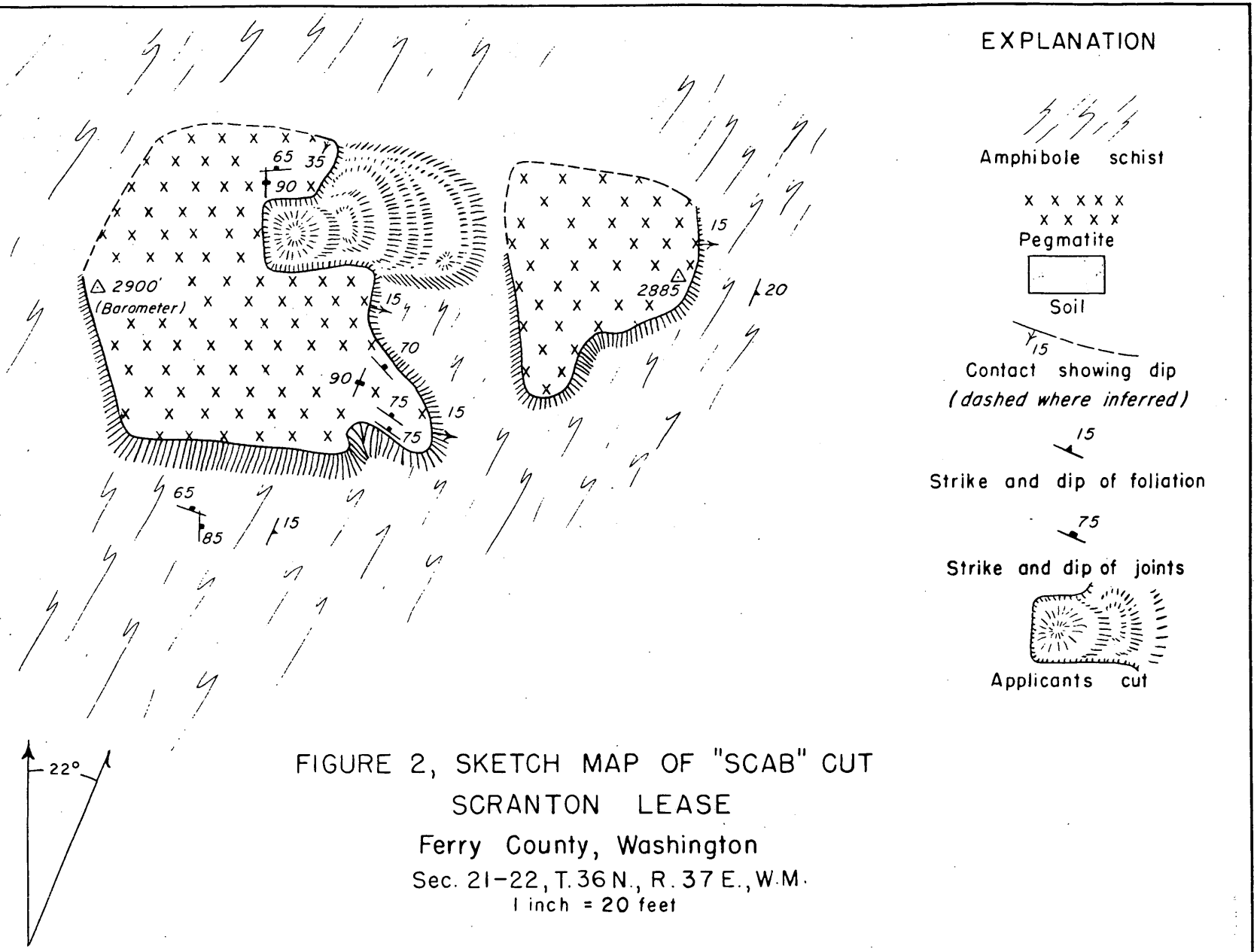
Strike and dip of joints

Applicants cut

22°

FIGURE 2, SKETCH MAP OF "SCAB" CUT
SCRANTON LEASE
Ferry County, Washington
Sec. 21-22, T. 36 N., R. 37 E., W.M.
1 inch = 20 feet

RECEIVED
MAY 3 - 1956



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